

5. MIDLOCK VALLEY

5.1 Introduction

An area of around 0.8 ha was stripped of topsoil across Midlock Valley (Illus 5.1) in relation to the construction of an access track, a substation, and the installation of electrical cables. On the southern side of the valley a combination of evaluation and monitored topsoil stripping during groundworks took place followed by targeted excavation of identified sites. The topsoil strip for the access track was up to 100m wide and was monitored up to the 400m contour. At the base of the access track an area 300m by 150m was stripped for construction of the substation. Cable routes for the original wind farm and extension ran down the northern slope of the valley and across the valley floor to this substation. These were subject to monitored topsoil strips and targeted excavation, as the route ran through the known site of an unenclosed platform settlement.

Midlock Valley ranges from 300m AOD on the floor up to 470m AOD along the ridgelines to the south and 420m AOD along the ridgelines to the north. It is narrower than Camps Valley with noticeably steeper slopes. These are currently used as rough pasture with some areas on the lower northern slope recently used for fodder crops. Midlock Water runs through the valley from east to west joining the River Clyde some 2.5km downstream. The excavations revealed evidence of multi-phase occupation from the Neolithic through to the medieval period on the northern side of Midlock Valley. A small cluster of features was located on a gravel knoll on the valley floor just north of Midlock Water, and an Iron Age settlement was located on a gravel terrace south of the river, with four additional features further up the less precipitous southern side of the valley, three of which were located on a natural plateau (Illus 5.2).

5.1.1 Radiocarbon Dates and Dating

The chronological framework for the sites has been produced using spot dates of finds and a programme of radiocarbon dating of material recovered from features. A total of 26 radiocarbon dates were obtained for 24 features across the valley (Table 5.1). One sample was obtained from burnt residue on a fragment of pottery, and one from a fragment

of unidentified burnt bone; the remaining samples were from charcoal fragments, some of which were recovered from gullies and post-holes and are likely to have been incorporated into those features through natural processes such as erosion in the case of gullies or forming part of the material used to backfill a post-hole. It has been made clear in the descriptions of the features below which of the radiocarbon samples are secure and which are less so. The shallow depth of the features located on the gravel terrace and the fact that the fills were the result of water action indicate that the contextuality of the material recovered and dated in that location is unlikely to be secure. Despite this, the dates obtained provide an outline chronological framework for the various phases of activity. Comparing the dates in this table with those for Camps Valley a similar gap between 3300 BC and 2500 BC is noted.

5.1.2 Background

Midlock Valley contains a large number of recorded sites (Illus 5.3), mostly of either prehistoric or post medieval date and generally domestic in nature. It is notable for its Bronze Age unenclosed platform settlements – four settlements are located on the northern slopes of the valley and one on the southern. A total of nearly 60 individual house platforms are known within the valley which attests to extensive occupation on the slopes overlooking the river in the 2nd millennium BC.

By the entrance to the valley, three clusters of house platforms form the Normangill Rig UPS (Canmore ID [47402](#)), the largest UPS in Lanarkshire (RCAHMS 1978: 23), spread out over 560m on the northern slope. The most westerly cluster is formed of two platforms, the central cluster eight platforms, and the most easterly cluster 12 platforms. At least 14 cairns are recorded on a terrace above the central cluster. On the opposite side of the valley to the central cluster of Normangill Rig is Corbury Hill UPS (Canmore ID [47391](#)). This comprises 11 platforms with five cairns located to the southeast. About 900m south-east of the eastern platform cluster of Normangill Rig on the northern slope of the valley lies Mossy Dod UPS (Canmore ID [47399](#)) comprising five platforms. Just over 500m to the south-east and still on the northern side of the valley is Whelphill UPS (Canmore ID [47401](#))



Illus 5.1 Location of sites in Midlock Valley. (© Headland Archaeology (UK) Ltd)

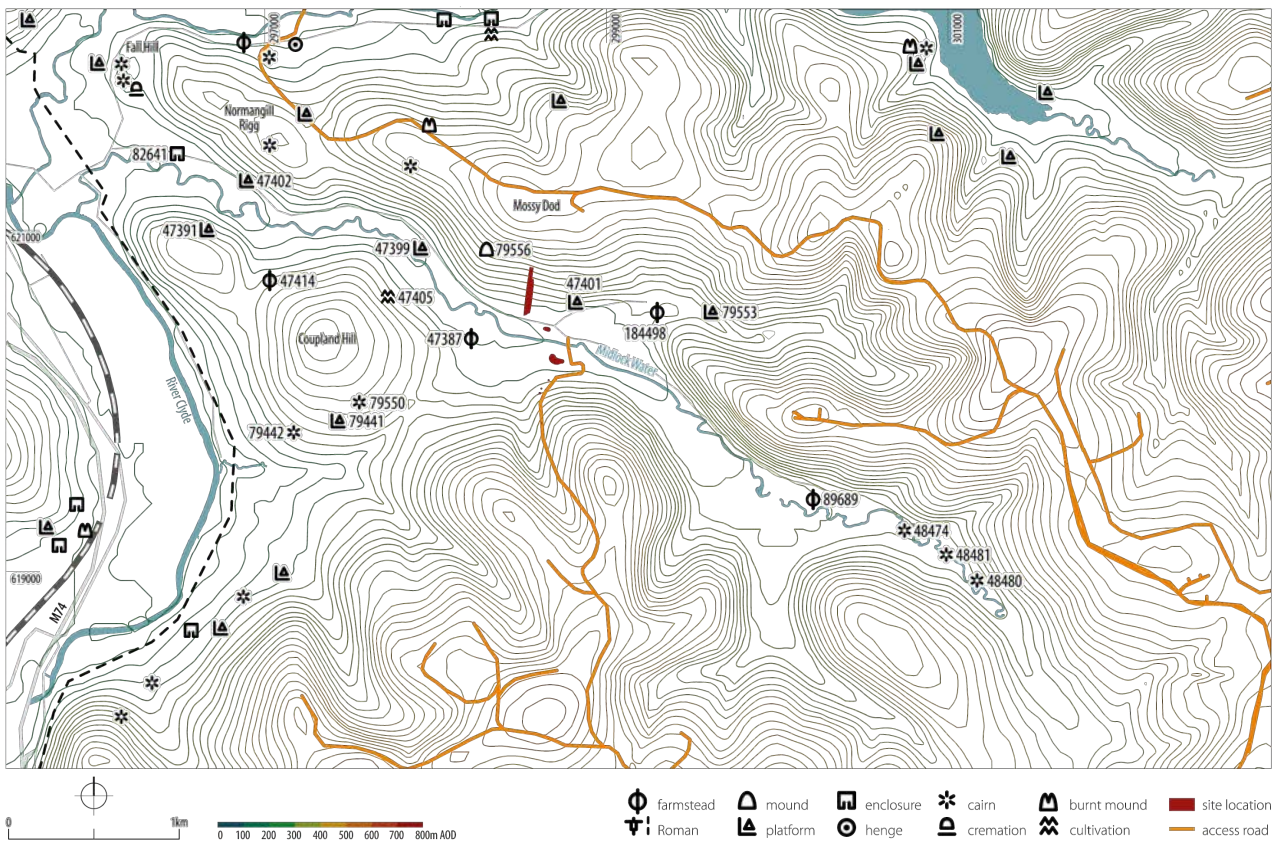
comprising 19 platforms spread over 600m. Five hundred metres south-east of the eastern extent of Whelphill UPS is Whelphill Hope UPS (Canmore ID [79553](#)) comprising 4 platforms. Another UPS (Canmore ID [79441](#)) comprising 4 platforms is recorded on the southern slopes of Coupland Hill



Illus 5.2 Monitoring topsoil stripping for access track on southern slopes of Midlock Valley. (© Headland Archaeology (UK) Ltd)

just beyond the watershed and therefore outwith Midlock Valley. Like Normangill Rig and Corbury Hill UPS it is associated with two possible clearance cairns (Canmore IDs [79442](#) and [79550](#)).

Whelphill UPS is formed of three clusters of platforms, an eastern group of six located to the west of Whelphill farm on a steep slope, a central group of seven also on a steep slope, and a western group of six either side of a drystone dyke. Whelphill UPS was designated a scheduled monument in 1988 (SM4531); the designation covered the central and eastern clusters of platforms which were located on unimproved grassland. These upstanding features would be expected to have excellent preservation of environmental remains and even structural elements below ground as they have not been as disturbed by ploughing. The western cluster which was not included in the designation was only recorded during the survey for the M74 (Ward 1992: 113), where severe erosion of the platforms by cultivation was observed. This ploughing out appears to have taken place fairly recently as the area to the east of the drystone dyke is not shown under cultivation



Illus 5.3 Plan of known heritage assets around Midlock Valley. (© Headland Archaeology (UK) Ltd)

Table 5.1 Radiocarbon determinations from Midlock Valley

Lab Code	Context No	Material	Radiocarbon Age BP	Radiocarbon Date (95% probability)
SUERC-58820	03-0184	Charcoal: <i>Corylus avellana</i>	4930±31	3770–3650 cal BC
SUERC-70769	05-1133	Charcoal: Non-Oak	4895±30	3750–3640 cal BC
SUERC-70772	05-0018	Charcoal: Non-Oak	4762±30	3640–3385 cal BC
SUERC-70758	05-1100	Charcoal: Non-Oak	4706±30	3630–3375 cal BC
SUERC-70759	05-1235	Charcoal: Non-Oak	4625±30	3515–3350 cal BC
SUERC-70753	05-1299	Charcoal: Non-Oak	3927±30	2550–2300 cal BC
SUERC-70749	05-1072	Charcoal: <i>Corylus avellana</i>	3704±30	2200–1985 cal BC
SUERC-58829	09-0018	Burnt bone	3468±27	1880–1695 cal BC
SUERC-70763	05-1347	Charcoal: Non-Oak	3453±30	1880–1690 cal BC
SUERC-58830	09-0016	Charcoal: <i>Corylus avellana</i>	3417±30	1870–1630 cal BC
SUERC-70760	05-1074	Charcoal: Non-Oak	3350±30	1740–1535 cal BC
SUERC-70770	05-1106	Charcoal: Non-Oak	3300±30	1645–1505 cal BC
SUERC-70771	03-0292	Charcoal: Non-Oak	3296±30	1640–1500 cal BC
SUERC-70764	05-1108	Charcoal: Non-Oak	3265±30	1620–1460 cal BC
SUERC-58831	05-3226	Charcoal: <i>Betula</i> sp	3230±30	1610–1430 cal BC
SUERC-58822	05-0078	Charcoal: <i>Betula</i> sp	3222±30	1605–1425 cal BC
SUERC-70768	05-1031	Charcoal: Non-Oak	3212±30	1600–1420 cal BC
SUERC-70754	05-1055	Charcoal: Non-Oak	3157±30	1500–1320 cal BC
SUERC-58818	03-0366	Residue on pot	3129±30	1495–1300 cal BC
SUERC-58819	05-0091	Charcoal: <i>Alnus glutinosa</i>	3123±30	1490–1295 cal BC
SUERC-70750	05-1153	Charcoal: Non-Oak	2491±30	780–510 cal BC
SUERC-58824	05-3122	Charcoal: <i>Corylus avellana</i>	1838±29	cal AD 85–245
SUERC-58832	05-3206	Charcoal: <i>Corylus avellana</i>	1846±27	cal AD 85–240
SUERC-58828	05-3148	Charcoal: <i>Betula</i> sp	1806±29	cal AD 130–320
SUERC-58823	12-0250	Charcoal: <i>Corylus avellana</i>	1510±29	cal AD 430–620
SUERC-58821	03-0298	Charcoal: <i>Corylus avellana</i>	659±25	cal AD 1280–1390

on the OS first edition surveyed between 1856 and 1859 (OS 1864) but is depicted as such on the survey of 1896 (OS 1898). The cable routes for the Clyde Wind Farm and Wind Farm extension were designed to run between the central cluster of platforms and the western cluster, adjacent to the western boundary of the scheduled monument.

Evidence of agriculture was visible within the valley. The cairns noted above in association with the platform settlements of Corbury Hill and Normangill Rig may well relate to clearance for

agriculture and may be contemporary with the settlements. Two abandoned farmsteads or crofts (Canmore IDs [47387](#), [47414](#)) are noted on the southern side of the valley along with sporadic evidence of cultivation in the form of upstanding banks and rig and furrow (Canmore IDs [47405](#), [47414](#)). Further upstream two post medieval farms, Whelphill (Canmore ID [184498](#)) and Harecleugh (Canmore ID [89689](#)), indicate an area well used for agriculture. At the head of the valley, upstream from Harecleugh, two cairns (Canmore IDs [48480](#),

[48481](#)) and a cluster of three cairns (Canmore ID [48474](#)) are recorded – their date and function are unknown but they may relate to clearance. Other recorded features within the valley are an enclosure (Canmore ID [82641](#)) and three mounds (Canmore ID [79556](#)) of unknown date and function.

Prior to the wind farm construction these archaeological sites were known only through field survey and had not been investigated by intrusive means.

5.2 Archaeological results

The features recorded fit broadly into seven chronological categories: Early to Middle Neolithic activity, Late Neolithic to Early Bronze Age activity, a Middle Bronze Age UPS, two four-post structures of likely Early Iron Age date, a Late Iron Age settlement, an early historic metal-working site, and a medieval structure with associated enclosures. The results that follow will be discussed in ascending chronological order within each period. The majority of the features were located on the northern side of Midlock Valley where the UPS was the main focus of excavation, but there were a number of features which predated the settlement. Given the complexity of phasing within the structures, the different periods of activity are keyed by colour on the plans for clarity (Illus 5.4).

None of the platforms discovered during the investigation on the northern side of Midlock Valley were visible prior to excavation. The slope of the hill appeared to be fairly smooth, however, during the topsoil stripping it became apparent that there were several places where deep, stratified layers of soils were identified. These could usually be seen in the trench sections (one section is recorded in Illus 5.17 another in Illus 5.41 below). In some cases, the buried soils can be related to the location of individual platforms. These deposits illustrate the dynamic nature of the sediments on this part of the hillside where agriculture and the steep slope caused widespread movement of soils especially where the cuts of the platforms created sediment traps.

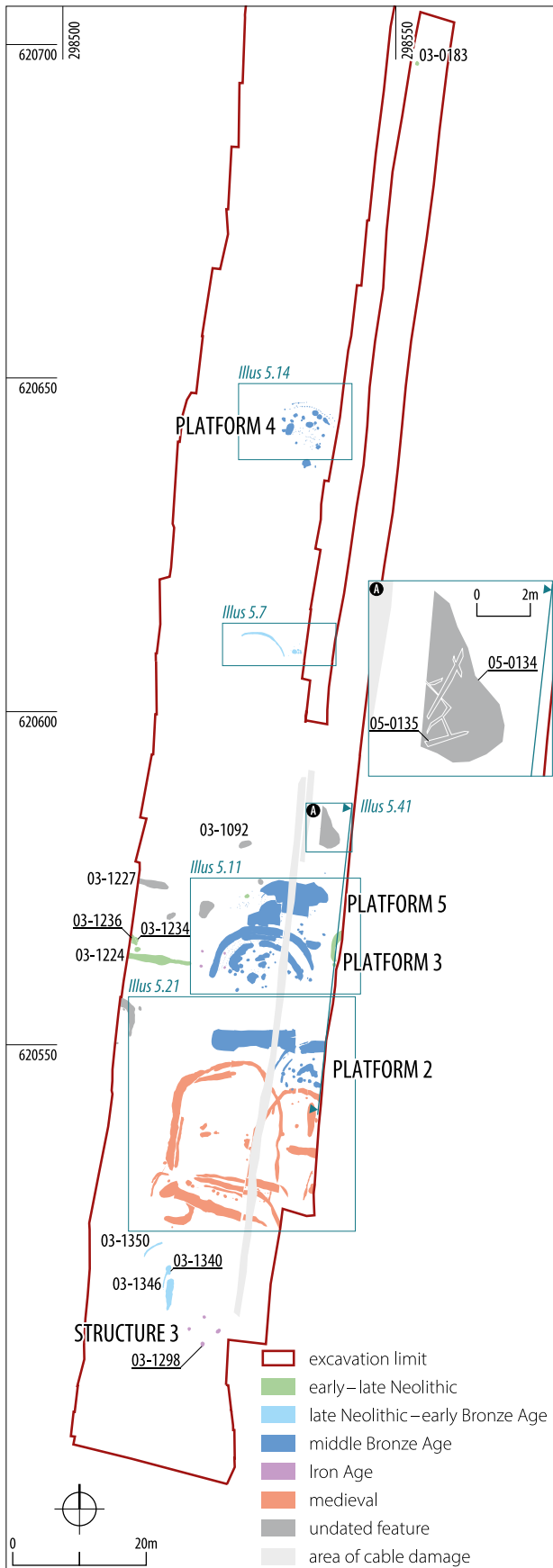
The section of cable route which ran between the central and western clusters of the Whelphill UPS was subject to targeted excavation ahead of the original wind farm construction, with a sufficient corridor cleared of archaeology to allow the cables

to be ploughed into the backfilled ground. In practice, the soft nature of the backfilled ground caused some of the cables to be ploughed into virgin ground, outwith the cleared corridor. This necessitated an extension to the original excavation area to investigate the damage and record any extant remains. When the time came for the construction of the wind farm extension, another targeted excavation took place, this time rather than a single long strip the cable route was excavated in a succession of small areas, each backfilled once the archaeology had been recorded before the next area was opened. The route for the cables for the Clyde Wind Farm extension ran immediately parallel to the original route, with the result that in total an area over 30m wide on the northern side of the valley was excavated. The excavation to the east of the cable trench relates to the original wind farm and most of the excavation to the west relates to the wind farm extension works. Differences between the level of detail in the recording east and west of the cable route are accounted for by the narrow character of the initial trench affecting both the expectation and interpretation of the archaeology.

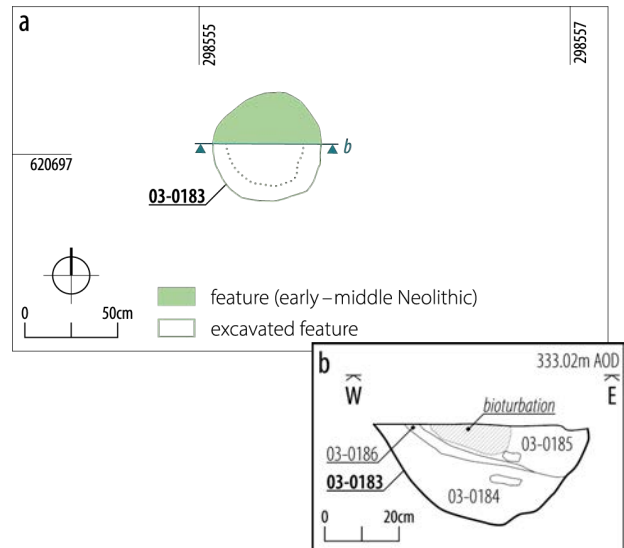
5.2.1 Early to Middle Neolithic Period

An isolated pit, C03-0183, was identified and recorded at the northern extent of the excavation (Illus 5.4), at 340m AOD, measuring 0.75m by 0.65m and 0.25m deep (Illus 5.5). It contained three fills from which a possible chert core, occasional fragments of oak charcoal, and significant quantities of charred hazelnut shell were recovered. The combination of material recovered was characteristic of the Early Neolithic period, and hazel charcoal from the primary fill C03-0184 produced a radiocarbon date of 3770–3650 cal BC (95% probability; SUERC-58820) supporting the interpretation. The pit is similar to some of the features seen within the Camps Valley (see Chapter 4).

A small group of features was identified during excavation of the platform settlement (see below) and are shown in green on Illus 5.11 below. The group consisted of two pits, C05-1134 and C05-1202, and two post-holes, C05-1124 and C05-1126, which lay in close proximity to each other and were sealed below deposit C05-1097 (which relates to Platform 5). Two of the features were also truncated by a ditch



Illus 5.4 Plan of features on the northern side of Midlock Valley. (© Headland Archaeology (UK) Ltd)



Illus 5.5 Plan and section of pit C03-0183. (© Headland Archaeology (UK) Ltd)

relating to another platform (Platform 3) further confirming their association with an earlier phase. The post-holes both contained quartz-tempered pot sherds identified as Neolithic Carinated Bowl pottery (see finds synthesis, this chapter). The other two features contained no artefactual evidence and little in the way of environmental material, however a fragment of non-oak charcoal from an in situ deposit was retrieved from pit C05-1134 and produced a radiocarbon date of 3750–3640 cal BC (95% probability; SUERC-70769).

A fragment of non-oak charcoal from the lower charcoal-rich fill of pit C05-1101 (Illus 5.6), located a short distance north-west of the cut for Platform 5, produced a radiocarbon date of 3630–3375 cal BC (95% probability; SUERC-70758).

A further cluster of features was recorded 12m to the east of the features described in the paragraph above, close to the limit of excavation (see Illus 5.11). A curvilinear feature, C05-0020, and two pits, C05-0033 and C05-0029, contained no datable artefacts or evidence to suggest whether or not they were contemporary with the platforms. A radiocarbon date of 3640–3385 cal BC (95% probability; SUERC-70772) was obtained from non-oak charcoal retrieved from feature C05-0020; however, the material is likely to have washed into the feature. These features have been assigned to the Early to Middle Neolithic period on the basis of the radiocarbon date, although it is noted that



Illus 5.6 View of charcoal-rich fill in pit C05-1101. (© Headland Archaeology (UK) Ltd)

the similarity of C05-0020 to the ring gullies of the Middle Bronze Age roundhouses may suggest that another roundhouse exists just beyond the limit of the excavation.

Four ditches and three pits were identified on the northern slope of the valley approximately 80m above the flood plain (Illus 5.4). One of the ditches, C03-1236, contained large fire-cracked stones and small fragments of non-oak charcoal, one of which produced a radiocarbon date of 3515–3350 cal BC (95% probability; SUERC-70759); it is possible that this material may have washed into the ditch. There was no other evidence to suggest a date or function of the other features and they are assigned to the Early to Middle Neolithic period on the basis of the radiocarbon date.

Further evidence of Neolithic activity was present in the form of a fragment of a polished Neolithic axe-head, which was recovered from the fill of gully C05-0076 in Platform 3 (Illus 5.11). The axe-head is interpreted as a residual artefact, but further attests to significant Neolithic activity in the immediate locale.

5.2.1.1 Early to Middle Neolithic Summary

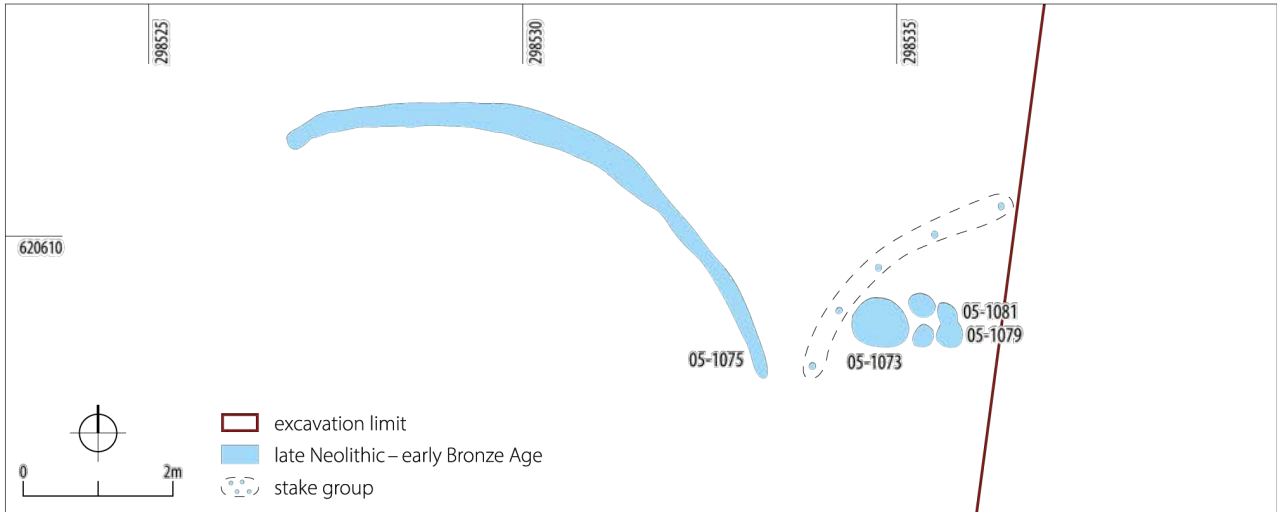
The activities that formed the features assigned to this period appear to be one-off events like the events in Camps Valley taking place at the same time. There is however an impression of a difference in the nature of these events; the scarcity of features dating to this period even allowing for the possibility of later activities eroding earlier evidence, points to a contrast with Camps Valley.

5.2.2 Late Neolithic / Early Bronze Age Period

Evidence of activity during the Late Neolithic and Early Bronze Age was found in isolated features and small clusters of features spread across both the northern and southern slopes of the valley. The features were dated by radiocarbon determinations and the artefacts recovered from the fills, although some of the material used for dating was less than secure.

An isolated group of features was uncovered on the northern slope of the valley roughly 140m north above the flood plain (Illus 5.4). The features comprised a curving gully and a cluster of five pits to the east surrounded by a curving line of stake-holes (Illus 5.7). The group of five pits was densely clustered. The largest, C05-1073, was sub-oval in plan and measured 0.8m by 0.7m. It was up to 0.2m deep and filled by dark brown gravelly sand, C05-1072, which contained abundant quantities of hulled barley grain, a lens of charcoal-rich sand, fragments of burnt bone and several small pottery fragments, and is interpreted as resulting from deliberate deposition. A radiocarbon date of 2200–1985 cal BC (95% probability; SUERC-70749) was obtained from hazel charcoal recovered from this fill. The remaining pits were in very close proximity to each other and measured between 0.3 and 0.4m in diameter. Two pits, C05-1079 and C05-1081, located to the east of pit C05-1073 were intercutting, but the relationship was unclear as the fills were very similar, comprising dark grey-brown silty sand with charcoal, burnt bone fragments, and some fire-cracked stones. The fills also contained flint flakes and small fragments of 'domestic'-style Beaker pottery. The environmental evidence indicates that food preparation – including processing of wild foodstuffs (bramble seeds and hazelnut shells were also recovered from the fills of the pits) – took place in the area defined by the stake-holes. The five stake-holes formed a line curving downslope and are interpreted as a windbreak which would have protected the food preparation activities. It should be noted that although very broadly contemporary, the curving gully C05-1075 immediately to the west was dated to a few centuries later and is therefore described below.

A figure-of-eight-shaped pit, C09-0021, was located close to the foot of the southern slope of



Illus 5.7 Plan of Late Neolithic – Early Bronze Age features. (© Headland Archaeology (UK) Ltd)



Illus 5.8 Pit C09-0020 under excavation. (© Headland Archaeology (UK) Ltd)

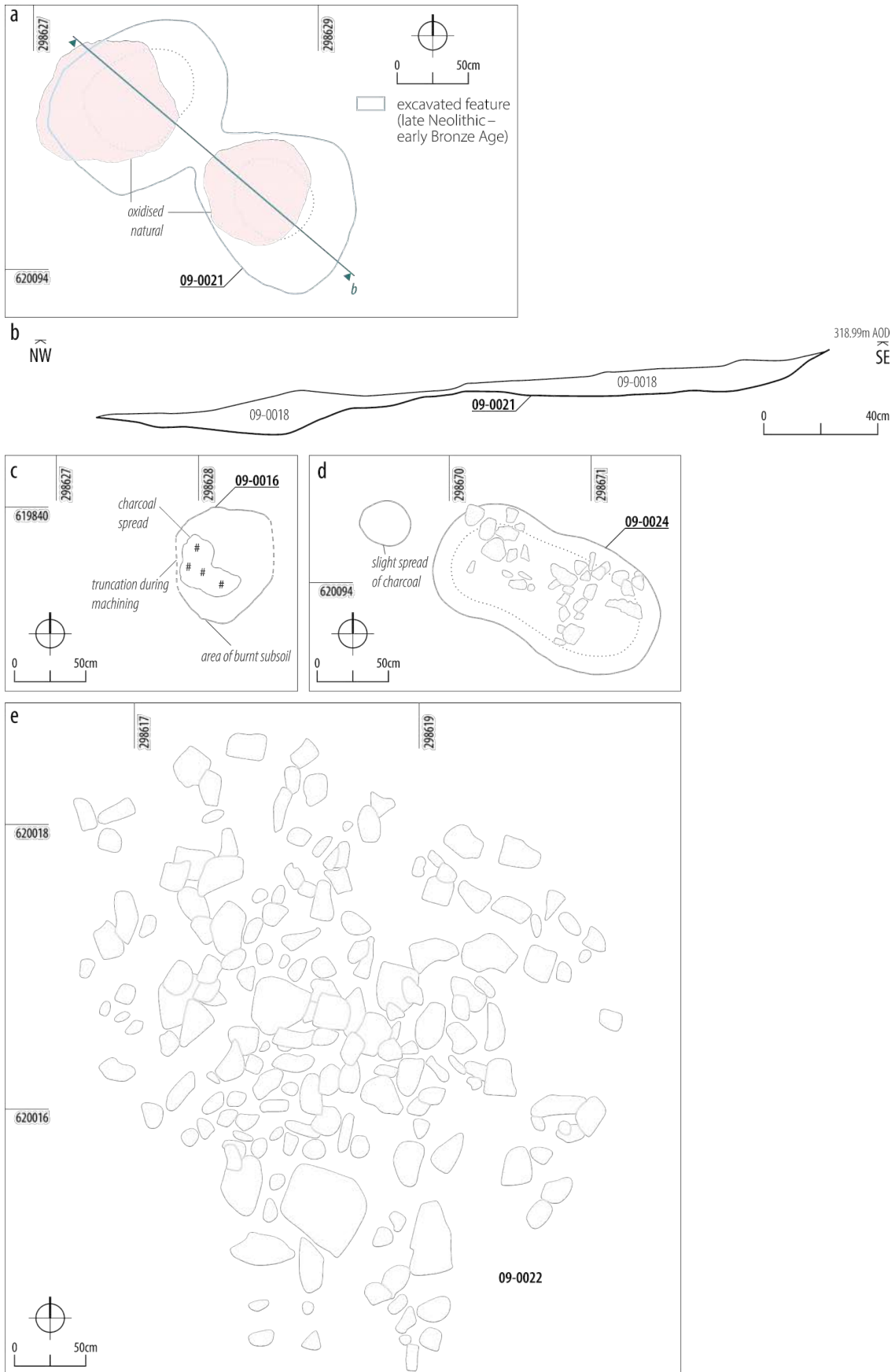
Midlock Valley at *c* 320m AOD (Illus 5.1; Illus 5.8 shows the gently sloping hillside at this location). It measured 2.5m long and 1.3m wide and contained a charcoal-rich deposit along with a small amount of unidentifiable burnt bone (Illus 5.9a-b). Despite being very shallow with a deposit depth of only 0.1m the pit also contained fragments of pottery from what may be a Collared Urn (see finds synthesis, this chapter). The presence of the pottery in combination with burnt bone (however small the surviving fragments) may point to a cremation pit or a cremation related deposit. However, the fact that the burnt bone could not be identified to species and the presence of oxidised natural at the base of the pit, which is indicative of *in situ* burning, makes this interpretation tentative. Radiocarbon dating of

a fragment of the burnt bone from the pit produced a date of 1880–1695 cal BC (95% probability; SUERC-58829).

A group of features was recorded at the southern extent of the excavation area on the northern slope (Illus 5.4). A shallow gully, C03-1350, measured just over 3.6m long, 0.3m wide, and 0.1m deep, and was oriented north-east to south-west, curving to the east and south at its termini. An oval pit, C03-1340, and a narrow gully, C03-1346, running off it to the south were located to the south-east of gully C13-1350. A non-oak fragment of charcoal from the fill of gully C03-1346 produced a radiocarbon date of 1880–1690 cal BC (95% probability; SUERC-70763) but was probably washed into the feature. A stake-hole to the south of gully C03-1346 and an elongated pit to the east were also recorded in the group but contained homogenous and fairly sterile fills.

An isolated hearth C09-0016 (Illus 5.9c) comprising a spread of charcoal-rich silt overlying an area of heavily burnt subsoil lay furthest up the southern slope of the valley (Illus 5.1). Analysis of a fragment of hazel charcoal from the charcoal-rich material produced a date of 1870–1630 cal BC (95% probability; SUERC-58830).

Gully C05-1075 to the west of the food preparation area (Illus 5.7) was 8.2m long, up to 0.4m wide, and 0.2m deep and had a U-shaped profile. It curved on a radius of 5m but was truncated downslope by modern ploughing. The gully fill, C05-1074, was a mid-brown gritty sand



Illus 5.9 (a) Plan of feature C09-0020; (b) South-west facing section of feature C09-0020; (c) Plan of feature C09-0016; (d) Plan of feature C09-0024; (e) Plan of feature C09-0022. (© Headland Archaeology (UK) Ltd)

which contained occasional non-oak charcoal fragments, one of which provided an Early Bronze Age date of 1740–1535 cal BC (95% probability; SUERC-70760). Five fragments of pottery were also found in fill C05-1074 and identified as Neolithic Carinated Bowl wares by their fabric. The fill of the gully was interpreted as the result of the erosion of surrounding soil and it is likely that both the charcoal fragments and the pottery fragments were washed into the gully.

An oval pit, C05-1210, was located underlying features associated with the western end of Platform 3 (Illus 5.11 below) and measured up to 1.1m across and 0.2m deep. The fill of this pit contained fragments of charcoal along with fragments of Beaker pottery dating to the Early Bronze Age. It was cut at its northern edge by a larger oval pit, C05-1212, which measured 2m north to south by 1.3m wide. The difference in the colour of the fills in these two pits to the pits associated with the platforms indicated that they belonged to a different phase of activity.

In addition to the features producing Late Neolithic / Early Bronze Age radiocarbon dates, some undated features were likely to be of this period on the basis of association. A shallow oval pit, C09-0024 (Illus 5.9d), was located at around 310m AOD on the southern side of the valley (Illus 5.1) and contained a single charcoal-rich silt, heavily truncated. No artefacts were found with this feature to aid in its dating and interpretation. A small clearance cairn, C09-0022 (Illus 5.9e), measuring around 3.5m in diameter was located slightly further upslope at around 325m AOD (Illus 5.1). No dating evidence was recovered from the cairn. The cairn (Illus 5.10) is likely a remnant of agricultural activity such as stone clearance though without a scientific date the time period to which it belongs is unknown. Both features could fit with a Late Neolithic / Early Bronze Age date.

A small oval ‘thumbnail’ scraper dating to the Late Neolithic / Early Bronze Age was contained within a post-hole from Platform 2. While the post-hole is most likely contemporary with the platform, the presence of the scraper does provide further evidence of activity of this date in the area. As with the Neolithic axe-head mentioned above the presence of the scraper attests to the multi-faceted nature of the remains on the northern side of the



Illus 5.10 View of cairn C09-0022 during excavation. (© Headland Archaeology (UK) Ltd)

valley and the level of disturbance of earlier deposits that took place.

5.2.2.1 Late Neolithic / Early Bronze Age Summary

The features assigned to this period suggest the beginnings of domestic activity and agriculture and may represent the start of settlement within the valley.

5.2.3 Middle Bronze Age

All or part of four platforms (Platforms 2, 3, 4, and 5) were uncovered during the excavation, forming part of a larger unenclosed platform settlement extending 500m by 100m across the northern slope of Midlock Valley (Illus 5.4). None of these platforms were visible prior to excavation. Platforms 2, 3, and 5 can be grouped with the central cluster of seven platforms in Whelphill UPS, while Platform 4 appears to belong to the western cluster of six platforms. The platform numbers (2, 3, 4, and 5) were assigned during the writing of the Data Structure Reports. They do not represent the chronological, locational, or excavation sequence. This publication maintains the numbering system in order to provide concordance with the archive.

5.2.3.1 Platform 5 (Illus 5.11)

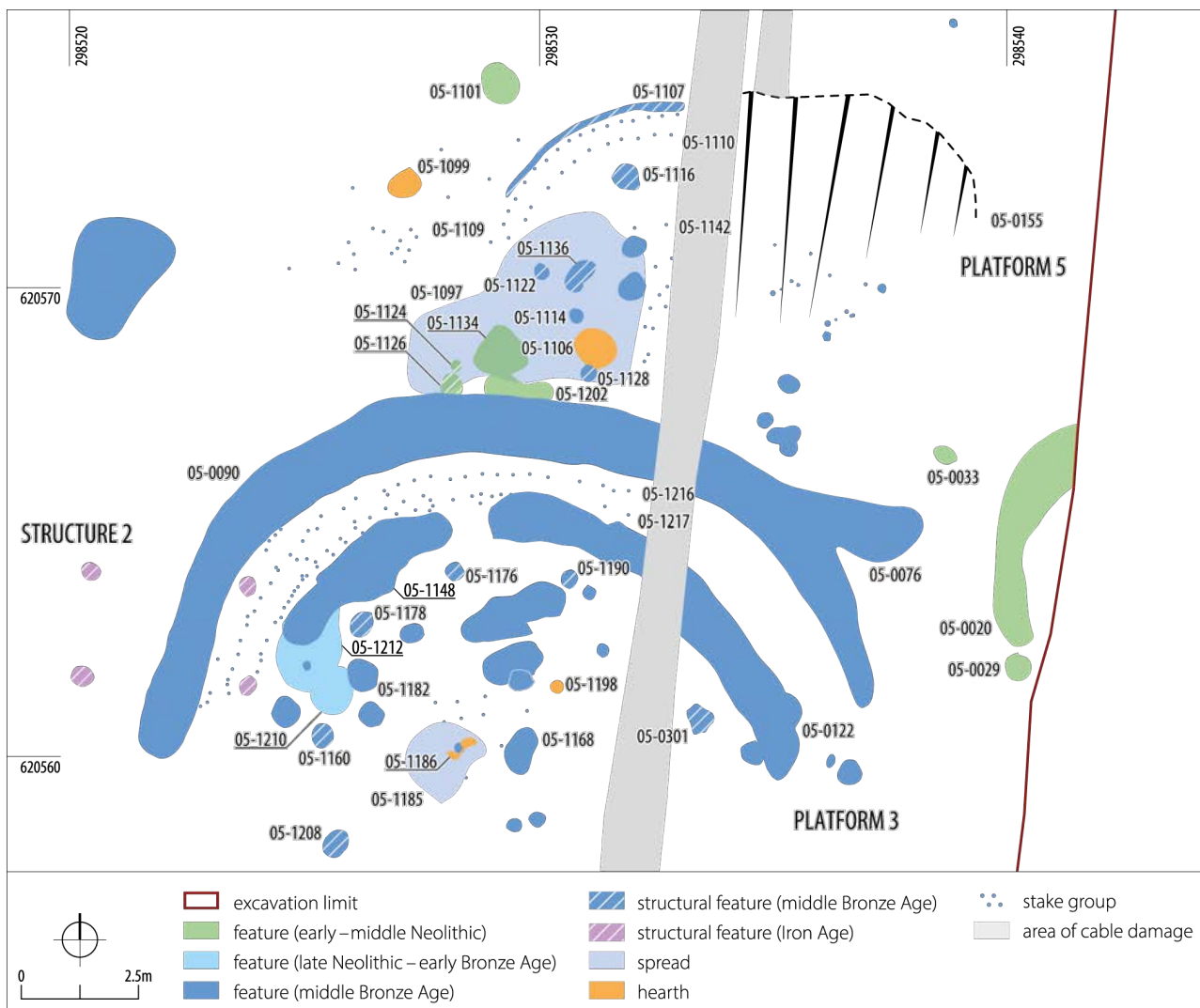
Platform 5 was located at 305m AOD on the northern slope of the valley. The platform was excavated over two separate phases of work four years apart, and as a result there are some differences between what was seen in each half. A line of damage

relating to cable ploughing also cut through the platform from north to south (shown in grey on the plan). Where it was best recorded, the platform comprised a platform cut, a narrow outer gully, two parallel rows of stake-holes defining a wall, and a post-ring of three post-holes (Illus 5.11). Internal features of pits, stake-holes, more post-holes, and a hearth were also recorded. In general, the features of this platform were not as well preserved as the others and the interior layout is not well understood. The cut C05-0155 for the platform measured 11m long along the contour of the slope and 4.8m wide, although it had been truncated by the cut for Platform 3 to the south (presumably once the former had been abandoned). The platform cut was filled by a grey-brown sandy silt C05-1094 containing sherds of Middle Bronze Age coarseware pottery

and occasional charcoal fragments. This fill likely resulted from the movement of sediments from upslope, filling the scarp once the roundhouse had been abandoned.

Two concentric rows of regularly spaced stake-holes defined the wall of the roundhouse (Illus 5.12). The outer row, C05-1109, comprised 16 stake-holes, on average 0.3m apart, while the inner row, C05-1110, comprised 11 stake-holes, on average 0.4m apart.

A narrow curving gully, C05-1107, was located immediately outside the outer stake-holes and closely followed their curve. The gully was exposed over a distance of 4.5m and was up to 0.25m wide and 0.25m deep. The best-preserved section which was towards the gully's north-east end, adjacent to the cable trench, was 0.15m wide with near vertical



Illus 5.11 Plan of Platform 5, Platform 3, and Structure 2. (© Headland Archaeology (UK) Ltd)



Illus 5.12 View of Platform 5. (© Headland Archaeology (UK) Ltd)

sides and a flat base. The gully petered out towards the south-west, possibly through truncation and may have continued onto the eastern half of the platform, although it was not seen during excavation in this area. Non-oak charcoal retrieved from the fill of the gully provided a radiocarbon date of 1620–1460 cal BC (95% probability; SUERC-70764) and is thought to come from secure material.

The stake-holes are interpreted as the remains of the inner and outer wattle faces of a wall. Thin branches or slats would have been woven horizontally between the upright stakes and combinations of turf, earth, and/or stone would have been packed between them forming the outer wall of the roundhouse. The profile of the gully suggests that it also contained a fence or upright panel of some form, potentially forming a facing to the earthen core wall. If contemporary with the stake-holes then it is unclear why such a facing was required, particularly at the rear of the building



Illus 5.13 Packing stones in post-hole C05-1122. (© Headland Archaeology (UK) Ltd)

where it would not have been visible. It is likely to represent a different phase of construction on the platform.

The evidence for internal supports was limited as only four post-holes, C05-1116, C05-1122,

C05-1128, and C05-1136, were present. The post-holes measured between 0.3m and 0.5m in diameter and from 0.1m to 0.3m deep and were similarly spaced, *c.* 2.5m apart. Only post-hole C05-1122 had packing stones (Illus 5.13), the other three had a single fill with no evidence of a post-pipe.

A hearth was located immediately to the north of post-hole C05-1128. It was identified as an oval area of scorched soil, C05-1106, measuring 0.9m by 0.8m and 0.06m deep. The area contained some burnt bone fragments and non-oak charcoal; a fragment of the latter produced a radiocarbon date of 1645–1505 cal BC (95% probability; SUERC-70770). This is a very similar date to that from gully C05-1107 and gives a confident date of construction and use in the Early to Middle Bronze Age for Platform 5. The area of scorched soil was part of deposit C05-1097, a spread of sediment interpreted as a floor surface. The spread's wedge-shaped profile (not illustrated) deepened to the south and it may represent the remnants of the apron deposit used to form a level platform. The proximity of the hearth to the post-hole would have presented an obvious fire risk if they were contemporary. Their juxtaposition points to multiple phases of activity on the platform.

An elongated group of stake-holes, C05-1142, was recorded in a rough north-south line to the east of the hearth, although evidence of further stake-holes to the east may have been lost due to cable damage. They lay within an area measuring 3m north to south by 0.5m wide and may represent internal divisions within the structure. The stake-holes appear to define deposit C05-1097, a floor surface, and may relate to a specific activity taking place in that area, though no evidence for this was recovered. Further posts and stake-holes were found in the eastern part of the platform and likely had a similar function, although they formed no obvious arrangement.

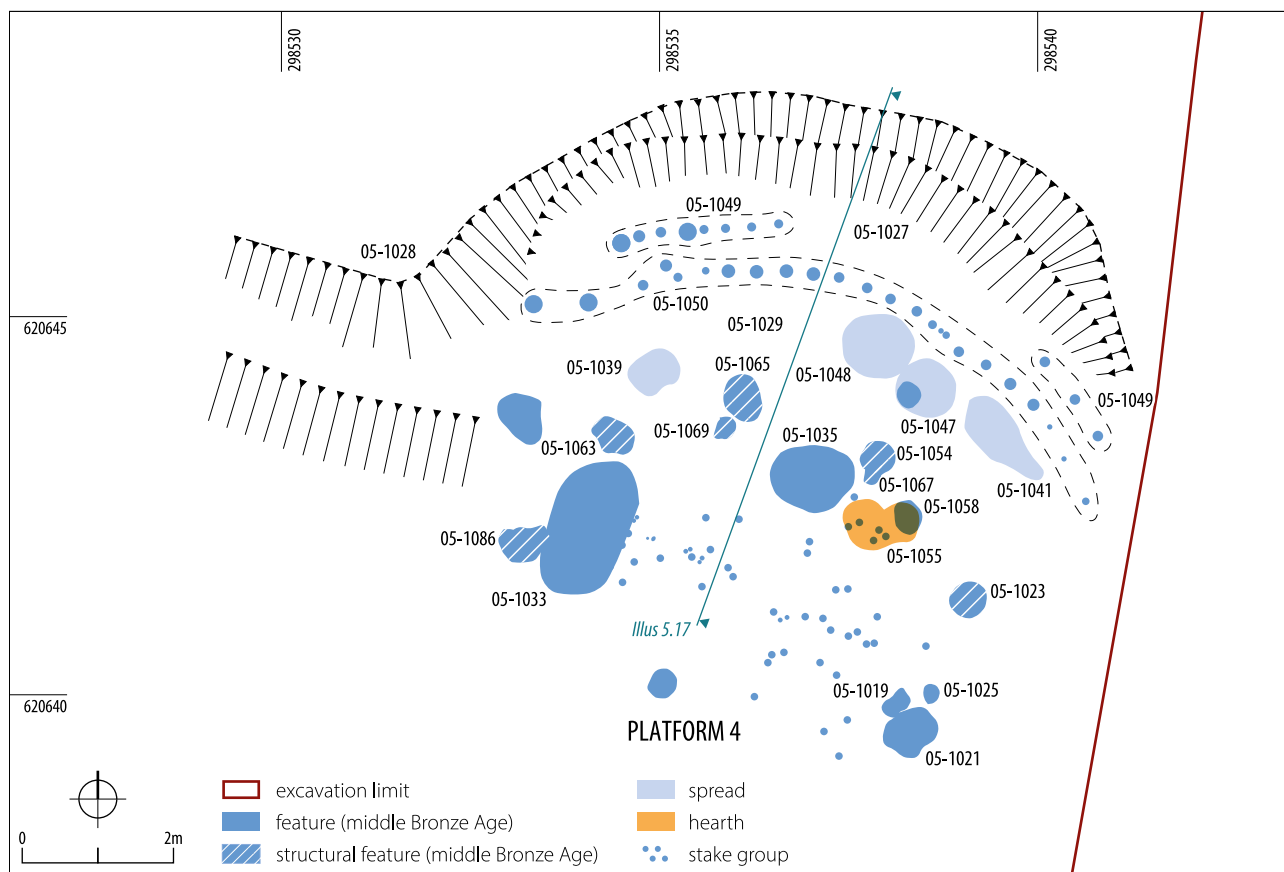
Some 2m west of gully C05-1107 and outside the platform was an oval area of reddish heat-affected sub-soil C05-1099. The area measured 0.8m by 0.65m wide and contained some charcoal flecks. This scorched area indicates the location of a hearth, although any remains of the hearth itself do not survive. Surrounding the hearth location, and in particular to the south there was a cluster of stake-holes extending over an area of around 3m by

1m. There appears to be no obvious pattern to their layout, but they are thought to be associated with the hearth. The features were not radiocarbon dated and could be associated with either the platform area or a Neolithic pit C05-1101 to the north-east given their proximity to both. Previous excavations of platform settlements have not extended beyond the platform itself, so it is not known whether Bronze Age features outwith the platforms are typical.

5.2.3.2 Platform 4 (Illus 5.14)

Platform 4 was cut into the northern slope of Midlock Valley at 318m AOD, 30m above the flood plain and 70m further upslope from the other three excavated platforms. It comprised a platform cut, two parallel rows of stake-holes that defined the outer wall at the rear of the structure, and part of an inner post-ring comprising five post-holes. Internal pits, stake-holes, and a hearth were also present. Unlike the other platforms (Platforms 2, 3 – see below –, and 5, see above), no gullies were found in association with the stake-holes. The remains represented the rear half of the structure; the front apron, which was formed from material excavated from the cut of the platform, had eroded away and any evidence of structural elements or internal features constructed there had been lost. Broadly speaking, the dating evidence suggests the structure was in use between 1500 and 1300 BC.

Fully exposed, the platform was defined by crescent-shaped cut C05-1028 dug into the hillside, which measured 10.5m east to west, 6m north to south, and up to 1m deep (Illus 5.15). The cut sloped down gently at first with a break to a steeper incline in the lower half, and the slope of the cut was very distinct following excavation. Within the cut for the platform, two concentric rows of regularly spaced stake-holes up to 0.12m deep defined the wall of the structure and mirrored the arc of the break of slope at the base of the platform cut which lay around 0.5m to the north (Illus 5.16). The outer row, C05-1049, was incomplete with both the western end and a 2.5m wide gap in the middle missing, and the stake-holes in general were shallower than the inner row. It seems unlikely this gap was deliberate since the wall material would have subsided exposing the interior of the roundhouse. The inner row, C05-1050, was 9m long and comprised 22 stake-holes up to 0.3m apart. A band of loose



Illus 5.14 Plan of Platform 4. (© Headland Archaeology (UK) Ltd)

stones, C05-1027, was recorded along the base of the platform cut (Illus 5.17) and was interpreted as the slumped remains of the wall material between the two rows of stake-holes, with C05-1029 likely to be further forward slumping of this material.

The remains of a post-ring comprised five post-holes, C05-1086, C05-1063, C05-1065, C05-1054, and C05-1023, which formed a line concentric with the curvature of the wall. Traces of a post-pipe were recorded in C05-1086 and possible packing stones were recorded in three of the post-holes, C05-1023, C05-1054, and C05-1065. Post-hole C05-1067 is interpreted as a repair of C05-1054 immediately to the north.

Some 50 stake-holes were recorded scattered across the middle of the platform. The stake-holes were between 0.05m and 0.15m deep, and 0.03m and 0.09m in diameter. Apart from one group in the east, which may relate to the hearth, the arrangement of the stake-holes did not indicate any clear configurations, and may relate to different phases of activity in the platform.

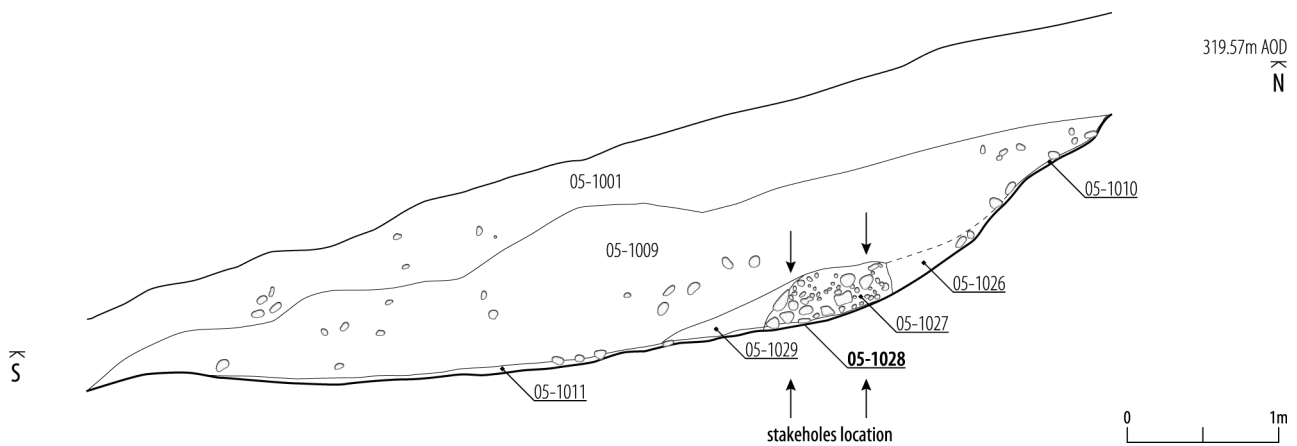


Illus 5.15 View of Platform 4 showing crescentic scarp cut into hillside. (© Headland Archaeology (UK) Ltd)

The hearth, C05-1055, and a small oval pit, C05-1058, were located in the north-eastern part of the platform. The hearth was identified through reddened heat-affected geological subsoil beneath a deposit of black sandy silt covering an oval area 0.5m by 0.7m. The deposit contained abundant



Illus 5.16 View of stake-holes and post-holes in Platform 4. (© Headland Archaeology (UK) Ltd)



Illus 5.17 East facing section through Platform 4. (© Headland Archaeology (UK) Ltd)

fragments of unidentified burnt bone and charcoal; a fragment of non-oak charcoal from the hearth produced a radiocarbon date of 1500–1320 cal BC (95% probability; SUERC-70754). The charcoal-rich nature of the fill of the small oval pit may indicate that it functioned as an ember pit used to store the glowing embers of a fire overnight.

The location of the hearth seems strange. It was located less than 0.5m from one of the structural posts, C05-1054, creating an obvious fire risk. This might have been mitigated through the use of some form of barrier protecting the post, but it is also possible that the hearth and the post are from two different phases.

A large sub-rectangular pit, C05-1033, was located just inside the western side of the post-ring and measured some 2m by 1.1m. The pit was generally 0.15m deep and filled with brown sandy clay. The fill contained one roughout and two conjoining part-perforated discs of cannel coal representing the initial stages of fastener manufacture. These fragments were part of an assemblage of 168 pieces of worked cannel coal recovered on site – one of the most interesting finds from the entire project and one of the most important cannel coal assemblages found in Scotland, since it includes evidence of nearly all the stages of production (see finds synthesis, this chapter). Fragments of cannel coal were recovered from the other platforms, but the majority of the material came from this platform. The majority of the material came from two pits, C05-1033 and C05-1035, while other material was recovered from the fill of shallow depressions and post-holes. It is unlikely that these fragments were deliberately deposited in the features and more likely they worked their way into the fills after being casually discarded.

An ill-defined ledge in the natural subsoil was observed to the west of Platform 4 and this is interpreted as the possible remains of a track which led to the platform and gives some indication of how the roundhouses were accessed, though this position to the north-west of a roundhouse would be an unusual location for an entrance and there was no evidence of post-holes framing such an access. On the opposite side of the platform on the south-east a cluster of three pits, C05-1019, C05-1021, and C05-1025, was uncovered just inside the post-ring. All the pits were very shallow at about 0.07m deep. However, they were located near the eroded edge of the platform and it is likely that they represent the remains of heavily truncated features. The larger pit, C05-1021, contained a fragment of a quern stone and the fill of one of the smaller pits, C05-1019, contained a small sherd of undiagnostic pottery.

A thin fragmented spread of silty clay with charcoal inclusions, C05-1011, covered the floor of the platform (Illus 5.17). This is likely to be the remains of an occupation deposit. It was better preserved towards the back of the platform, where it had accumulated in a series of four shallow depressions all less than 0.1m deep, C05-1039, C05-1048, C05-1047, and C05-1041. These are

likely to be undulations in the surface rather than deliberately cut features as the truncation in this area of the platform is minimal. However, they formed pockets where the occupation deposit had accumulated and a high proportion of the finds were retrieved from these areas. A fragment of non-oak charcoal retrieved from depression C05-1048 produced a radiocarbon date of 1600–1420 cal BC (95% probability; SUERC-70768). While the fragment was unlikely to be in situ, the date it produced is in keeping with the other Middle Bronze Age date from the hearth (above).

The presence of the cannel coal assemblage indicates that Platform 4 functioned as a workshop for the production of cannel coal fasteners / eyelets. However, the evidence of the quern and pottery fragments also points to a domestic function. The possible access track may have linked the roundhouse to the cluster of roundhouses to the west.

5.2.3.3 Platform 3 (Illus 5.11)

Platform 3 lay at 305m AOD and was located immediately to the south of Platform 5 which it truncated. There was no evidence for the cut for the platform. The platform comprised a curving ditch, considerably wider than the narrow gully of Platform 5, within which two rows of stake-holes were located defining a wall, and six post-holes forming part of a post-ring. Internal features such as pits, stake-holes, ditches, and two hearths were also recorded. In plan, it was the most substantial example of a platform excavated (Illus 5.18), but also the least typical in terms of layout. Similar to Platform 5, it was partly cut through by the modern cable trench.

Two concentric rows of regularly spaced stake-holes defined the wall of the roundhouse. The outer row, C05-1216, was 11.2m long and comprised 33 stake-holes, up to 0.4m apart. Evidence of repair to the wall was indicated by further lines of stake-holes to the west and north-west of the line. Some stake-holes were a lot closer together than the others which may also indicate repair.

The inner row, C05-1217, was 10m long and comprised 47 stake-holes, generally 0.2m apart. As with the outer row, evidence of repair to the wall was indicated by a second line of 11 stake-holes some 3.2m long mirroring the original line on the inside. Again, some of the stake-holes were close together,



Illus 5.18 View of Platform 3. (© Headland Archaeology (UK) Ltd)

suggesting repair. The stake-holes survived better towards the south-west end where the subsoil was slightly softer than the very compact clayey subsoil to the north-east.

Parallel to the wall of the structure a concentric curving ditch, C05-0090, measuring 1m wide and 0.45m deep with steeply sloping sides and a flat base enclosed a D-shaped area some 16m long by 6m wide. A shallow offshoot cut, C05-0076, was located on the eastern end of the ditch (the fragment of Neolithic stone axe was recovered from this offshoot). A complete or near complete Bronze Age pot was uncovered in the eastern end of ditch C05-0090, crushed but in situ (Illus 5.19), and was most likely intact when it ended up in the ditch. Residue from the pot provided a radiocarbon date of 1495–1300 cal BC (95% probability; SUERC-58818). This provides an accurate indication of the date of the abandonment of the structure given the security of the material from which it came. A fragment of birch charcoal recovered from the fill of the ditch C05-0090 produced a radiocarbon date of 1605–1425 cal BC (95% probability; SUERC-58822) a very similar date to that of Platform 5



Illus 5.19 View of gully C05-0090 with pottery in situ. (© Headland Archaeology (UK) Ltd)

which suggests the material washed in from that platform, and a more secure date is provided by the pottery residue. The fills of the ditch also contained charred hazelnut shell, prehistoric grain, and a fragment of whetstone. The upper fill of the ditch contained stone fragments which may be the remains of tumble from the roundhouse walls.

The purpose of the ditch may have been to channel water from upslope away from the roundhouse and to provide material for the apron at the front of the platform. The relationship between the ditch C05-0090 and deposit C05-1097 (the possible apron deposit for Platform 5) is unclear. It would be expected that excavators of the ditch would have had to contend with the apron deposit of Platform 5. They did not dig a ditch that reflected the contours of the apron, that is a ditch that shallowed in its central section. Instead, ditch C05-0090 is fairly uniform in its profile and plan. This indicates either the ditch was wider and deeper where it cut through the apron, or the apron did

not exist at the time of the excavation of the ditch.

Similar to Platform 4, part of a post-ring survived, comprising six post-holes, C05-0301, C05-1190, C05-1176, C05-1178, C05-1160, and C05-1208. They were between 0.35m and 0.6m across and between 0.2m and 0.35m deep, except for post-hole C05-0301, which was shallower and is likely to have been truncated. It was also the only example which did not have packing stones. No post-pipes were visible.

An almost continuous curvilinear ditch was situated in the space between the inner wall face and the post-ring. It comprised two lengths, C05-1148 and C05-0122, with a 1m gap between them. The ditch measured between 0.5m and 1m wide and was up to 0.5m deep with gently sloping sides. The cut was filled with rough stone slabs, C05-1150, up to 0.8m across, which appeared to have been deliberately deposited to form a roughly paved area within the ditch (Illus 5.20). There were fewer stone slabs towards the east of the ditch where the stones



Illus 5.20 View of stone slabs C05-1150 in ditch C05-1148. (© Headland Archaeology (UK) Ltd)

were smaller and appeared as rubble rather than a paved surface. No stone was present in the fill towards the south-eastern end of the cut.

A series of features were located within the post-ring, including evidence of two hearths fairly close together. The first hearth comprised a sub-circular area 0.3m in diameter of scorched subsoil, C05-1198, located some 1.5m north-east of the centre of the building. The second hearth lay around 2m to the south-west and was an oval area of scorched sediment, C05-1186, some 0.7m by 0.25m wide, which contained rare fragments of charcoal and burnt bone. A group of nine stake-holes was located between the hearths. Seven of these stakes formed two parallel rows aligned east to west and may have served to partition the cooking areas.

Near the centre of the building was an oval pit, C05-1168, measuring 1.05m by 0.65m by 0.25m deep and with edge-set stones present on the eastern and northern sides of the cut, the eastern of which was heat-affected. These stones might be remains of a stone-lined rectangular box some 0.45m by 0.3m. It is possible that stones forming the other side of the box had been removed through ploughing as plough scars were seen on both sides of the pit. The brown silty fill, C05-1167, contained a fire-cracked stone, occasional burnt bone fragments and charcoal. The pit may have functioned as an ember box, similar to the pit seen adjacent to the hearth on Platform 4.

Further pits and post-holes were excavated and recorded within the post-ring but provide limited detail on function or activities taking place. Of particular interest was pit C05-1182, which contained 29 sherds of prehistoric flat-rimmed ware pottery including base-sherds, body-sherds, and rim-sherds, and is interpreted as the deposition / discard of waste material.

Like the other platforms, the lower half including the apron had largely been truncated through erosion caused by cultivation, as evidenced by the plough furrows seen cutting into the geological subsoil at the southern edge of the platform. However, a deposit likely to represent the remains of the apron survived in the form of a patch roughly 1.8m across comprising a dumped deposit of brown silty gravelly sand, C05-1185, up to 0.1m deep.

The platform was filled by a deposit, C05-0093 (not illustrated), of loose black fine silty sand with a high concentration of charcoal and areas of red

oxidised silt. The deposit was up to 0.15m deep at the back of the platform and merged into a thin spread towards the eroded edge of the platform to the south. In the areas towards the back of the platform the deposit contained several fragments of finger-sized round wood. A Bronze Age pot (V75; not illustrated) could be partially reconstructed from pottery fragments recovered from this fill. This deposit represents burnt material possibly from a wattle fence mixed with occupation deposit, but it was not possible to distinguish between the two as they were both very similar. Wild taxa including vetches, mustards, corn spurrey, and plantains were recovered from the environmental samples from Platform 3. These plants are commonly associated with disturbed and arable ground (see environmental synthesis, this chapter). It is likely that once the platform had been abandoned the platform cut was used for the deposition of occupation waste from other platform settlements nearby and that weeds subsequently grew in the waste material. A deposit of hillwash, C05-1103 (not illustrated), up to 0.3m deep overlay deposit C05-0093. This hillwash material was not dated but must postdate the abandonment of the settlement.

5.2.3.4 Platform 2

Platform 2 was the most southerly and the lowest in altitude of the platforms excavated and was located 9m south of Platform 3 at 300m AOD (Illus 5.21). It comprised a platform cut, within which were two narrow gullies, two lines of stake-holes defining a wall, and four post-holes forming part of a post-ring, along with a number of other internal features including a hearth. The highest quantity of worked stone (not cannel coal) found during the excavation came from features within Platform 2. It included a small oval scraper of Early Bronze Age date which is interpreted as a residual find.

Platform 2 was defined on its upslope edge by cut C05-0050. The cut extended beyond the limit of excavation to the east and was uncovered in the wind farm extension to the west of the cable damage as a wide shallow feature. The cut sloped down at an angle of around 15 degrees over about 4m. The flat part of the platform lay below this and extended over an area of at least 9.7m in diameter.

Within the cut of the platform, two concentric rows of regularly spaced stake-holes defined the



Illus 5.21 Plan of Platform 2 and medieval structure and enclosures. (© Headland Archaeology (UK) Ltd)

wall of the roundhouse. The stake-holes were up to 0.12m deep and were spaced between 0.35m and 0.9m apart. The rows were 0.6m apart. Like the stake-holes in the other platforms they represent a wattle fence built to contain a turf, earth, and/or rubble wall. Steep sided narrow gully C05-0310

to the west appeared to continue the alignment of the inner row of stake-holes. The presence of roundwood charcoal within the fill and the shape of the profile indicate the gully likely functioned to contain a fence or upright, something not seen with the interior line of stake-holes on other platforms.



Illus 5.22 View of Platform 2 showing post-ring. (© Headland Archaeology (UK) Ltd)

Gully C05-0079 was located immediately to the exterior of the outer row of stake-holes. Where the edges could be defined, it had a very steep profile and was up to 0.25m deep. Non-oak charcoal retrieved from the fill of the gully was radiocarbon dated to 1640–1500 cal BC (95% probability; SUERC-70771). The similarity of gully C05-0079 to gully C05-1107 also suggests some function to hold an upright panel and indicates more than one phase of structures on the platform.

Within the platform there were nine features which could confidently be identified as post-holes, and a further six features which were classified as pits. Post-holes C05-0070, C05-0084, and C05-0086 were similar in size being 0.4m in diameter and 0.45m deep and formed part of the post-ring of the structure (Illus 5.22). Pottery sherds of Middle Bronze Age coarseware were recovered from fill C05-0087 of post-hole C05-0086. Two other post-holes, C05-0035 and C05-0062, may also be

part of the post-ring. The other four post-holes may represent repairs, although their relationship to the structure is unclear.

A shallow-sided hollow, C05-0097, was located within the interior of the structure and is thought to be the result of wear rather than a deliberate cut. To the south-east of the hollow was an area of burnt natural which represents a hearth, overlain by deposit C05-0091, a clayey silt. Despite the obvious burning of the natural below, deposit C05-0091 did not contain large amounts of charcoal and as a result is interpreted as the compacted ashy rake-out from the fire. A radiocarbon date of 1490–1295 cal BC (95% probability; SUERC-58819) was obtained from a fragment of alder charcoal recovered from deposit C05-0091. The hearth area was surrounded by 17 stake-holes, some of which roughly marked the limits of burnt ground and could have held uprights for suspending cooking vessels. The other stake-holes formed a line running south-west

to north-east and perhaps separated a cooking area from the remainder of the space within the structure.

Six features within the platform are interpreted as pits. Samples taken from these pits do little to elucidate their use – all contain some amount of charcoal, although C05-0064 contained a small amount of naked barley. The proximity of this pit to the hearth suggests storage of cooking materials, however the grain could equally have accidentally strayed into the fill of the pit from the fire. In general, the contents and arrangements of the pits do little to suggest that there were specific areas of activity within the structure.

At the northern limits of the platform, large amounts of stone were present along the base of the platform cut. Although the natural subsoil in this location was very stony, these stones did not appear to be naturally occurring. It is not clear if the stones were intended to line the platform cut or if they were tumble from the core of the wall defined by the stake-holes.

5.2.3.5 Unenclosed Platform Settlement Summary

In summary, four structures were excavated spread across the northern slope of Midlock Valley. These structures were part of a wider settlement comprising at least six structures to the west and 13 structures to the east; the full extent of the settlement cannot be defined on the basis of current knowledge. The structures were formed of post-rings which would have supported a conical roof and an outer wall constructed of two parallel wattle fences filled with packed stones, turf, and earth. The fences would have been constructed from hazel and birch whose fast-growing stems were ideal for small-scale structures (see environmental synthesis, this chapter). Within the houses, hearths were defined by stake-holes and smaller post-holes which seem to relate to the division of space. Shallow pits and spreads were also present in most of the platforms and stone-filled ditches were present in Platform 3 but not in the other platforms.

The dating evidence indicates that the structures were constructed, occupied, and abandoned in the Middle Bronze Age between approximately 1600 and 1300 BC. The radiocarbon dating of material from Platform 5 provides the most secure evidence, suggesting it was occupied between 1650 and

1500 BC, while the other three platforms are dated between 1500 and 1300 BC.

5.2.3.6 Middle Bronze Age Feature

Potentially broadly contemporary with the UPS, but some distance away to the south of the Midlock Water, pit C05-3227 is tentatively dated to the Middle Bronze Age (see Illus 5.37 below). Its fill contained several large stones, including a saddle quern, which were laid over a large number of sherds of pottery representing a substantial part of a single vessel (identified as prehistoric but otherwise undiagnostic). A fragment of birch charcoal from the fill of the pit was dated to the Middle Bronze Age; 1610–1430 cal BC (95% probability; SUERC-58831). The contextual security of the charcoal is unclear and it may have been washed into the pit; however, the presence of the saddle quern makes a Middle Bronze Age date entirely feasible.

5.2.4 Iron Age

5.2.4.1 Iron Age Four-Post Structures

Two four-post structures – Structure 2 (Illus 5.11) and Structure 3 (Illus 5.4) – were identified on the northern side of Midlock Valley. Each structure comprised four post-holes which measured *c* 0.5m in diameter and had steeply sloping sides and a curved base. Structure 2 formed a rectangle measuring 2m by 4m and Structure 3 formed a rectangle measuring 2.5m by 3m. All but one post-hole of Structure 3 had one edge more gently sloping than the others indicative of disturbance where the posts had been



Illus 5.23 View of post-hole in Structure 3.
(© Headland Archaeology (UK) Ltd)

removed. The fills of the post-holes in Structure 3 contained medium-sized stones which could have functioned as packing stones but had been disturbed when the posts were removed (Illus 5.23). Post-defined rectangular structures are commonly associated with Iron Age settlement sites and the radiocarbon dating of non-oak charcoal retrieved from post-hole C05-1154 of Structure 2 produced a date of 780–510 cal BC (95% probability; SUERC-70750). However, a radiocarbon date of 2550–2300 cal BC (95% probability; SUERC-70753) was obtained from non-oak charcoal retrieved from post-hole Context 03-1298 of Structure 3. In neither case was the contextual security of the sample certain, but on balance and from a typological point of view, the structures are most likely to be Early Iron Age in date.

5.2.4.2 Late Iron Age Settlement

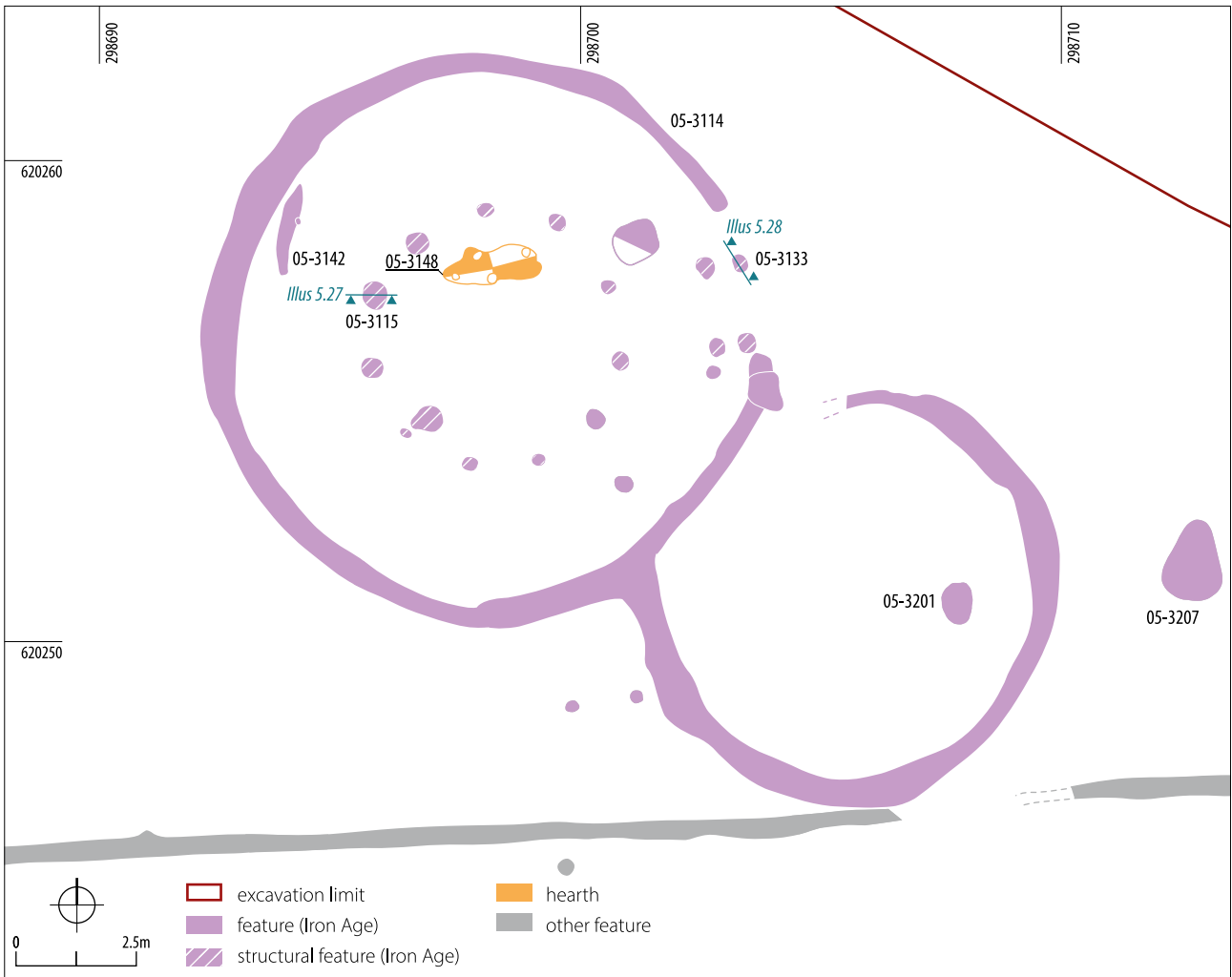
A number of gravel terraces (Illus 5.24) are located on the southern side of the floodplain of the Midlock

Water. One of these was occupied by a roundhouse comprising a penannular ring-gully, a post-ring, and a possible four-post porch, and an annex formed by an adjoining ring-gully on the eastern side (Illus 5.25). Two radiocarbon dates obtained from the features indicate the structures belong to the Late Iron Age.

The post-ring was formed of 11 evenly spaced post-holes, forming a diameter of just over 5m. Packing stones were present in situ in many of the post-holes (Illus 5.26), suggesting the posts had been left to decay rather than removed. The fills of the post-holes mostly comprised mid-brownish-grey silty clays. Birch, hazel, willow, maloideae, and alder charcoal were identified from two of the post-hole fills, including post-hole C05-3115, illustrated here (Illus 5.27). The post-ring was enclosed by a concentric shallow ring-gully, C05-3114. The function of the ring-gully, which appears to have been an open feature rather than a filled foundation trench, is unclear. A short section of a similar gully,



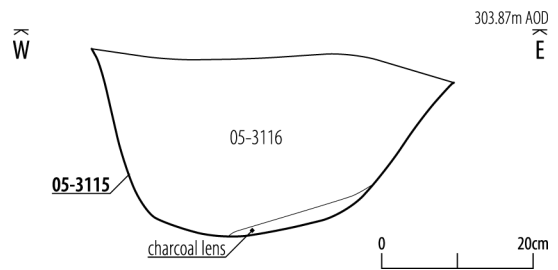
Illus 5.24 View of gravel terrace south of Midlock Water. (© Headland Archaeology (UK) Ltd)



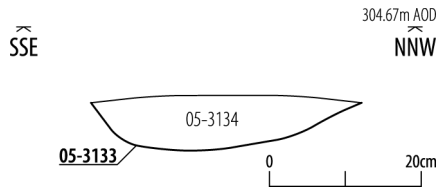
Illus 5.25 Plan of Iron Age roundhouse and annex. (© Headland Archaeology (UK) Ltd)



Illus 5.26 Packing stones in post-hole C05-3165. (© Headland Archaeology (UK) Ltd)



Illus 5.27 Section of post-hole C05-3115. (© Headland Archaeology (UK) Ltd)



Illus 5.28 Section of post-hole C05-3133.
(© Headland Archaeology (UK) Ltd)

C05-3142, was present within the interior on the western side and may be evidence of an earlier shallower ring-gully.

The entrance to the structure was framed by two pairs of post-holes, one pair was set in the gap in the ring-gully, the other was positioned less than a metre behind. This arrangement may suggest the presence of a turf wall less than a metre thick located immediately within the ring-gully, although no trace of such a wall was observed. The post-holes had been heavily truncated as seen in the profile of post-hole C05-3133 (Illus 5.28).

A shallow hollow in the northern half of the structure, within the post-ring, was interpreted as a hearth and contained a black charcoal-rich deposit, C05-3148. Birch charcoal from the hearth was dated to cal AD 130–320 (95% probability; SUERC-58828), placing the structure in the Late Iron Age. Four stake-holes were revealed on the edge of the hollow and contained similar charred material – they are interpreted as evidence of a structure associated with the hearth.

The annex was formed by another ring-gully, 8m in diameter. The ring-gully was slightly wider and was filled with a darker material than the adjoining ring-gully, suggestive of a more organic-rich deposit. There was no stratigraphic relationship between the two ring-gullies, and the function of the annex gully was no clearer than that of the roundhouse itself. The annex contained a single shallow pit, C05-3201. The lack of post-holes within the annex suggests it was an unroofed enclosure, with a possible fence line located to the inside of the ring-gully, although no traces of a fence were observed. A short distance to the east, outside the annex, another larger oval pit, C05-3207, contained three sherds of pottery, which could not be identified beyond a general prehistoric date. Hazel charcoal from the fill of the

pit was dated to cal AD 85–240 (95% probability; SUERC-58832), but is likely to have resulted from washed in material.

5.2.4.3 Iron Age Summary

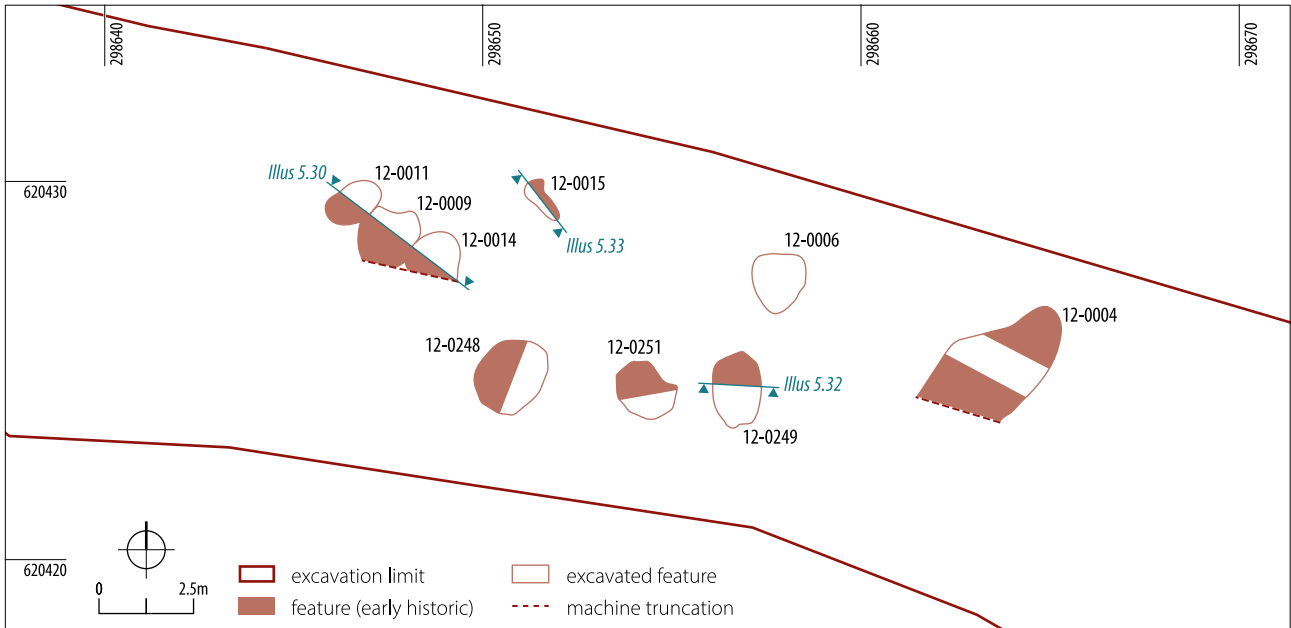
Iron Age structures were uncovered on both sides of the valley although it is unclear how they relate to each other. The presence of these structures, which are likely to have been domestic in function, was not visible prior to the wind farm construction commencing.

5.2.5 Early Historic Metalworking

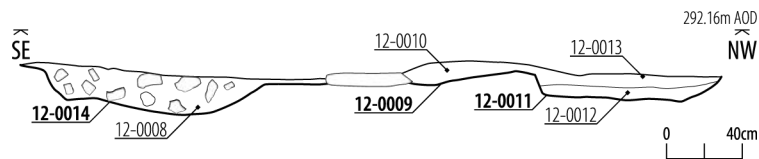
A cluster of nine pits lay on a gravelly knoll (Illus 5.29) on the valley floor north of the Midlock Water, and were associated with evidence for metalworking. Six of the pits were very similar in size and shape and three of them were intercutting. The intercutting pits, C12-0011, C12-0009, and C12-0014 (Illus 5.30), appeared to be contemporary, and the westernmost of the three had a layer of in situ compacted charcoal in the base. All three pits showed evidence of in situ burning of the natural subsoil, and the fills of the other two pits were also rich in charcoal and fire-cracked stone (Illus 5.31).

The three discrete pits to the south were a little larger (and probably better preserved) but essentially displayed the same sequence of fills. The easternmost pit, C12-0249 (Illus 5.32), and middle pit, C12-0251, contained relatively thick basal layers of charcoal. They were all less than 0.2m deep and were probably truncated. The middle pit, C12-0251, contained two fragments of plano-convex slag cake, possibly representing two individual cakes. It is possible that they are either fragments of a furnace bottom used for smelting, or pieces of superimposed hearth bottoms. The fills are interpreted as secure and a fragment of hazel charcoal retrieved from the fill of pit C12-0251 produced a radiocarbon date of cal AD 430–620 (95% probability; SUERC-58823) placing activity in the early historic period. The third pit contained a more mixed deposit which was still very charcoal-rich, although more disturbed and stonier in nature.

On the crown of the knoll was a very poorly preserved pit, C12-0015 (Illus 5.33), which had suffered extensively from truncation and burrowing. It was an elongated oval shape in plan, measuring



Illus 5.29 Plan of early historic features. (© Headland Archaeology (UK) Ltd)



Illus 5.30 Section of pits C12-0014, C12-0009, and C12-0011. (© Headland Archaeology (UK) Ltd)

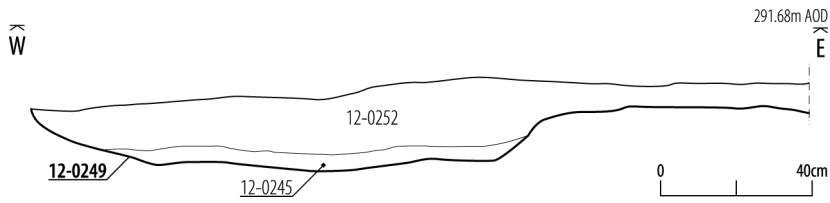


Illus 5.31 View of pits C12-0014, C12-0009, and C12-0011. (© Headland Archaeology (UK) Ltd)

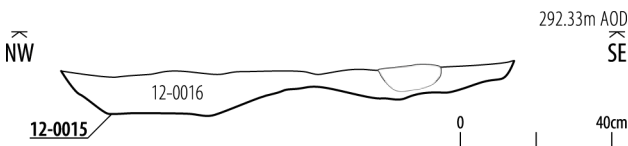
1.3m long, and was filled with large amounts of charcoal and burnt stone, substantial amounts of iron slag, and two further fragments of plano-convex slag cake. The evidence from the mix of metalworking material present indicates that bloom-smithing was taking place; the elongated shape of the pit may represent a heavily truncated metalworking hearth.

At the east of the knoll, sub-triangular pit C12-0006 was filled with a charcoal-rich silt and fire-cracked stone, but there was no evidence of in situ burning. A large pit, C12-0004, cut into the eastern side of the knoll was notably different from those described above. It measured over 4m by 2.5m and was filled with a clay-silt with no evidence of burning or metalworking. Its function is unclear as is its relationship with the metalworking pits.

The gravelly knoll appears to have been a focus of metalworking activity and the group of features on



Illus 5.32 Section of pit C12-0249. (© Headland Archaeology (UK) Ltd)



Illus 5.33 Section of pit C12-0015. (© Headland Archaeology (UK) Ltd)

the knoll represent rubbish pits containing the waste material from such activities. The finds evidence (see finds synthesis, this chapter) indicates that smithing and possibly welding took place nearby although no in situ evidence of features such as kilns or furnaces was uncovered. Metalworking was part of the everyday activities of an early historic settlement and it is likely such a settlement exists in the vicinity of the gravelly knoll.

5.2.6 Medieval Settlement

The remains of part of a medieval settlement were located to the south of the main focus of the UPS (Illus 5.21) on the northern slopes of the valley. Initially interpreted as part of a platform lying at 310m AOD, they were recognised as later in date when the full extent of the features was revealed. The settlement included the partial remains of a possible cruck-framed building (Structure 1), comprising post-holes and gullies, and two enclosure ditches with features contained within them.

5.2.6.1 Structure 1

Structure 1 comprised an east-west alignment of shallow pits, two of which contained post-pads, which formed the northern wall of a building occupying an area 18m long. This was defined by four gullies and contained a pit with a metallised surface and a stone-filled ditch (Illus 5.34). The

southern half of the building appears to have been lost to truncation; to some extent the outline of the building is inferred by the layout of the structural elements rather than wall lines being present.

Six similarly sized shallow pits formed an east-west alignment about 7m long. They measured *c* 0.5m in diameter and were no more than 0.25m deep. Large flat stones were identified in the fills of two of the pits, C05-1269 and C05-1273 (Illus 5.35); these are interpreted as post-pads providing a base for an upright of some description. It is likely that the other pits in the alignment also contained post-pads rather than posts. Together these post-pads formed the northern edge of the structure. Four stake-holes were also recorded close to the three easternmost pits and they are probably associated with the construction of the uprights. The uprights would have been curved timbers that leaned inwards and combined with similarly shaped timbers opposite to form an A-frame or cruck-frame – a form of construction commonly thought to date to the medieval period. These frames would have been evenly spaced along the axis of the building and the intervals between the six shallow pits identified here may suggest more than one phase of construction.

Three east-west oriented gullies were located parallel to, and immediately to the north of, the post-hole alignment. One of the gullies, C05-0279, curved to the south at its eastern end, and two short sections of gully, C05-1322 and C05-1324, are interpreted as a continuation of this gully to define the western end of the structure. Their width, profile, and shape in plan suggest that they functioned as channels to divert water flowing downhill away from the building. The gullies contained fragments of Scottish medieval redware pottery – probably the remains of no more than two vessels dating from the 13th to the 15th centuries – and charcoal fragments from roundwood which would have been suitable



Illus 5.34 View east of Structure 1 showing gullies, post-holes, and stone filled ditch. (© Headland Archaeology (UK) Ltd)



Illus 5.35 View north of stone pad in post-hole C05-1273. (© Headland Archaeology (UK) Ltd)

for construction of fences or wall panels. Another gully to the north of gully C05-0279 is likely to have functioned to drain or capture water as well.

A little over 1m south of the post-hole alignment a stone-filled ditch, C05-0297, was identified

measuring 13.9m long, 1.9m wide, and 0.4m deep. It had a steeply sloping northern side and a more gently sloping southern side, and both eastern and western termini were poorly defined. Its basal fill, C05-1287, was a thin layer (0.2m thick at its maximum) of mid-brownish-grey clayey loam, probably the result of erosion of the surrounding material during the life of the ditch. Above this deposit was a layer of sub-angular stones, C05-1288, moderately large in size (the line of stone can be seen in Illus 5.34). A concentration of stones was also identified in the topsoil north of the western end of the ditch. The stones showed no signs of having been shaped and no discernible pattern was observed in their positioning within the ditch. A radiocarbon date retrieved from charcoal recovered from the primary fill of the ditch provided a date of cal AD 1280–1390 (95% probability; SUERC-58821). While the charcoal may be the result of washed in material, the medieval date is supported by the pottery recovered.

A curvilinear feature, C05-1290, was recorded extending south off ditch C05-0297, measuring

4.5m long by 1.3m wide and 0.25m deep. It had gently sloping sides and a flat base. The basal fill, C05-1293, comprised a layer of small stones concentrated to the west and south-west of the pit, overlaid by a dark brown sandy silt, C05-1289. Within this fill a bolt from a barrel padlock was recovered (see finds synthesis, this chapter). The bolt would have fitted inside a cylindrical lock and may have been used to secure a shackle. It dated to a broad range between the 10th and 15th century AD which is consistent with the other dating evidence from the settlement. Its presence implies that there was something on site important enough to be secured by means of a lock, which is perhaps unexpected given the wider location of the site and the types of structures present. Feature C05-1290 can be interpreted as a wear hollow at the entrance to the building with layer C05-1293 functioning as a metal surface to reduce the wear.

A number of pits, post-holes, and stake-holes were recorded in relation to Structure 1. Although they are presumed to be associated with the structure, these features do not form obvious arrangements and given the loss of the southern part of the structure their relationship and function was unknown.

5.2.6.2 U-shaped Enclosures

Two similar gullies, C05-0253 and C05-0038, were present to the north and north-east of Structure 1. Each formed an inverted U-shape in plan although the eastern part of gully C05-0038 extended beyond the limit of excavation. It is possible that the gullies fulfilled the dual purpose of defining an area (occupied by the structure) and diverting water and hill-wash from upslope away from that area. No evidence of a bank formed from the upcast of the gullies could be discerned. The gullies intersected each other but no clear stratigraphic relationship could be determined. A number of pits and post-holes lay within these enclosed areas.

There was evidence of more than one phase of enclosure. Two short sections of gullies – C05-1241 and C05-1310 (Illus 5.36) – ran parallel to the Enclosure 1 gully and may represent different phases of construction, although the exact relationship was unclear. The Enclosure 2 gully cut through an earlier feature, C05-0269, with a very similar profile, but running on a more north-south alignment; it is likely to belong to an earlier version of Enclosure

2. It should be noted that where Enclosure 2 met the eastern limit of excavation a double U-profile was identified in the base – possibly this provides further evidence of the recut, even if no difference in the fills could be discerned. The fills of the enclosure gullies were fairly homogenous and likely to have resulted from the silting up of the features over time. Fragments of Scottish medieval redware were recovered from gully C05-0253 of Enclosure 1 and date to between the 13th and 15th centuries.

Enclosure 1 defines an area c 17m by 14m. Within this, five post-holes were identified. All were 0.3m in diameter and up to 0.3m deep with straight sides and curved bases. Three post-holes, C05-0283, C05-1276, and C05-1278, formed a north-south alignment, which may suggest their purpose was to mark a division of space.

Within the area defined by Enclosure 2 six pits and a short section of gully, C05-0023, were recorded. Two large shallow pits, C05-0056 and C05-0040, contained fragments of charcoal and a few stray grains of cereal and nutshell. Two of the pits, C05-0074 and C05-0299, contained fills with small amounts of charcoal, burnt bone, and hazelnut shell. This environmental evidence suggests the pits and elongated features may have been associated with food production, although hazelnut shell is commonly associated with prehistoric activity.

5.2.6.3 Medieval Settlement Summary

The excavation revealed a single medieval cruck-framed building with the find of a padlock bolt giving a hint of high-status association. Parts of surrounding enclosures and drainage systems were also revealed and the associated pottery finds indicate occupation between the 13th and 15th centuries.

5.2.7 Undated Features

There were numerous features across the valley which could not be securely dated but likely represent a background level of evidence relating to the Neolithic / Bronze Age occupation of the valley.

A more significant, effectively undated, set of features were located on the gravel terrace south of Midlock Water, immediately south of the Iron Age roundhouse. These comprised two parallel long enclosures and a small number of associated pits (Illus 5.37), all of which were heavily truncated.



Illus 5.36 View north of gully C05-1310. (© Headland Archaeology (UK) Ltd)

The northern enclosure, C05-3120, extended for 50m on an east-west alignment and was defined by parallel gullies, set 5m apart (Illus 5.38). The gullies had an extremely shallow profile (Illus 5.39) and in places had been completely lost to ploughing. At the east end both sides curved inwards to terminate either side of an apparent entrance.

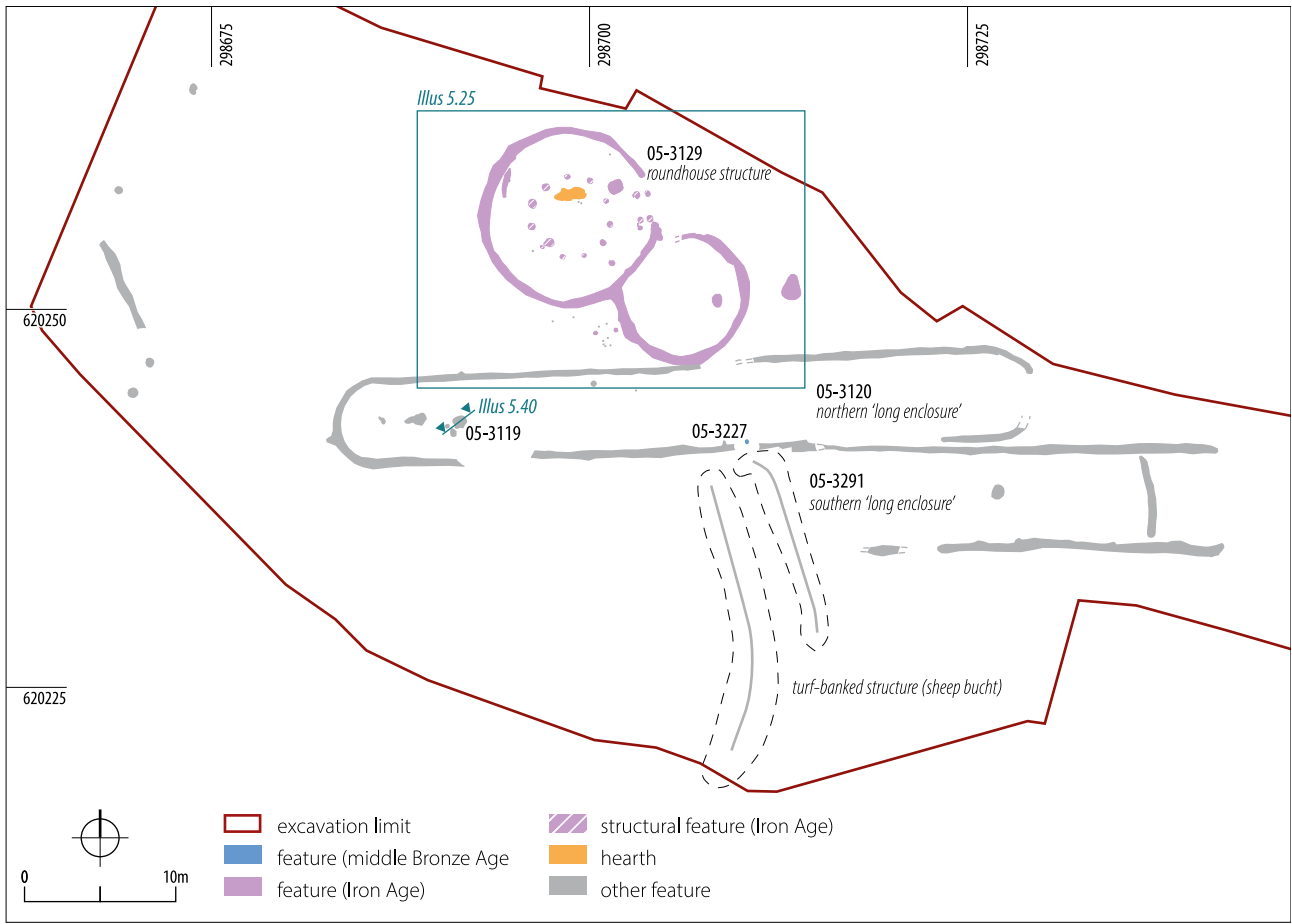
The southern enclosure was also defined by two parallel gullies, spaced 6m apart. No clear western terminus could be seen to the enclosure, however to the east it was again defined by clear termini. The southern side of the enclosure gully was fragmentary and it is unclear how far to the west it extended. On the northern side of the southern enclosure, the gully appears to merge into the northern enclosure.

Small amounts of charcoal were found throughout the fills of the enclosures, and a fragment of hazel charcoal was sent for radiocarbon analysis. The date obtained was cal AD 85–245 (95% probability;

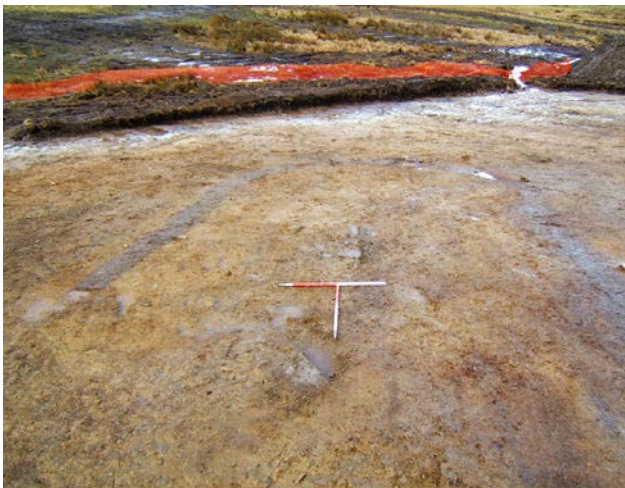
SUERC-58824), however, it is entirely possible that the material within the fill had washed in at an unknown point. The date matches well with that of the nearby settlement and this may be the source of the dated material.

Within the northern enclosure there were six pits including pit C05-3119 (Illus 5.40), most of which aligned along the long axis of the enclosure. None contained any material to indicate function or directly link them to the enclosure but on the basis of location they are assumed to be contemporary. A single pit within the limits of the southern enclosure is likewise assumed to be associated.

Two parallel grassed-over banks were located south of the northern long enclosure; upon investigation they were discovered to have been formed from stacked turves and are interpreted as a post medieval sheep bucht. A flint blade and a chert flake were recovered from the surface of the bank and are interpreted as residual.



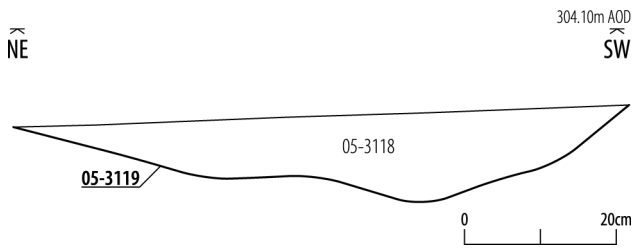
Illus 5.37 Plan of features on gravel terrace south of Midlock Water. (© Headland Archaeology (UK) Ltd)



Illus 5.38 Western end of northern enclosure C05-3120. (© Headland Archaeology (UK) Ltd)



Illus 5.39 Section of northern enclosure gully C05-3120. (© Headland Archaeology (UK) Ltd)



Illus 5.40 Section of pit C05-3119. (© Headland Archaeology (UK) Ltd)

5.2.8 Buried Soil and Possible Agriculture (Illus 5.41)

Across the excavation on the northern side of Midlock Valley there were several places where deep, stratified layers of soils were identified during stripping and these could usually be seen in the trench sections. In some cases, the buried soils can be related to the location of individual platforms. These deposits had survived ploughing and later activity and in some part result in the better preservation of the structures below.

Illus 5.41 shows a west facing section along the eastern edge of the excavation (to ensure an adequate scale the drawing has been split into three parts). The location of the section is shown in Illus 5.4. From left (north/uppermost part) to right (south/lowermost part) the illustration shows topsoil and subsoils to the east of Platforms 5 and 3, the profile of ditch C05-0020, a profile through Platform 2, and gully C05-0038 of Enclosure 2.

A thin relict subsoil layer, C05-0134, was recorded 6m north of Platform 5. It was visible in section and also as a spread in plan. A series of criss-crossing lines C05-0135 was recorded cutting into this layer (see inset Illus 5.4), the arrangement of these cuts was suggestive of ard marks. It is not known whether these ard marks are of similar date to the activity represented by the platforms, but they are likely to be prehistoric in date. The subsoil layer, C05-0134, was sealed by a layer of dark clayey loam, C05-241, up to 0.2m deep, which was visible in the section for 13m and sealed the fills of ditch C05-0020 at its southern edge. It was interpreted as a buried soil deposit. None of these deposits or features contained datable material, but another buried soil deposit C05-0165 (not illustrated) contained hulled barley grain which is considered characteristic of a later prehistoric date.

The lowermost part of the section drawing illustrates the deposits across Platform 2. Deposits C05-0052, C05-0051, and C05-0243 are interpreted as hillwash – sediments that have travelled downslope to fill the cut, C05-0050, of the platform. Gully C05-0079 appears in profile with a fill, C05-0092, which is sealed by deposit C05-0054. The latter is interpreted as another sediment that has been washed downslope to seal the space occupied by the roundhouse. It also seals the hillwash deposits that filled the cut of the platform, although the exact relationship was difficult to see in section (indicated by the dotted line). The layers C05-0052, C05-0051, and C05-0243 are likely to date to the occupation and immediate post-abandonment phase of the platform, while for layer C05-0054 to form as it appears in the section the roundhouse would have had to have ceased to exist.

The nature of the location of the platforms on the slope where movement and mixing of sediments due to both climate and human activity makes the interpretation of these deposits difficult. It can be seen that the movement indicates a dynamic sediment environment.

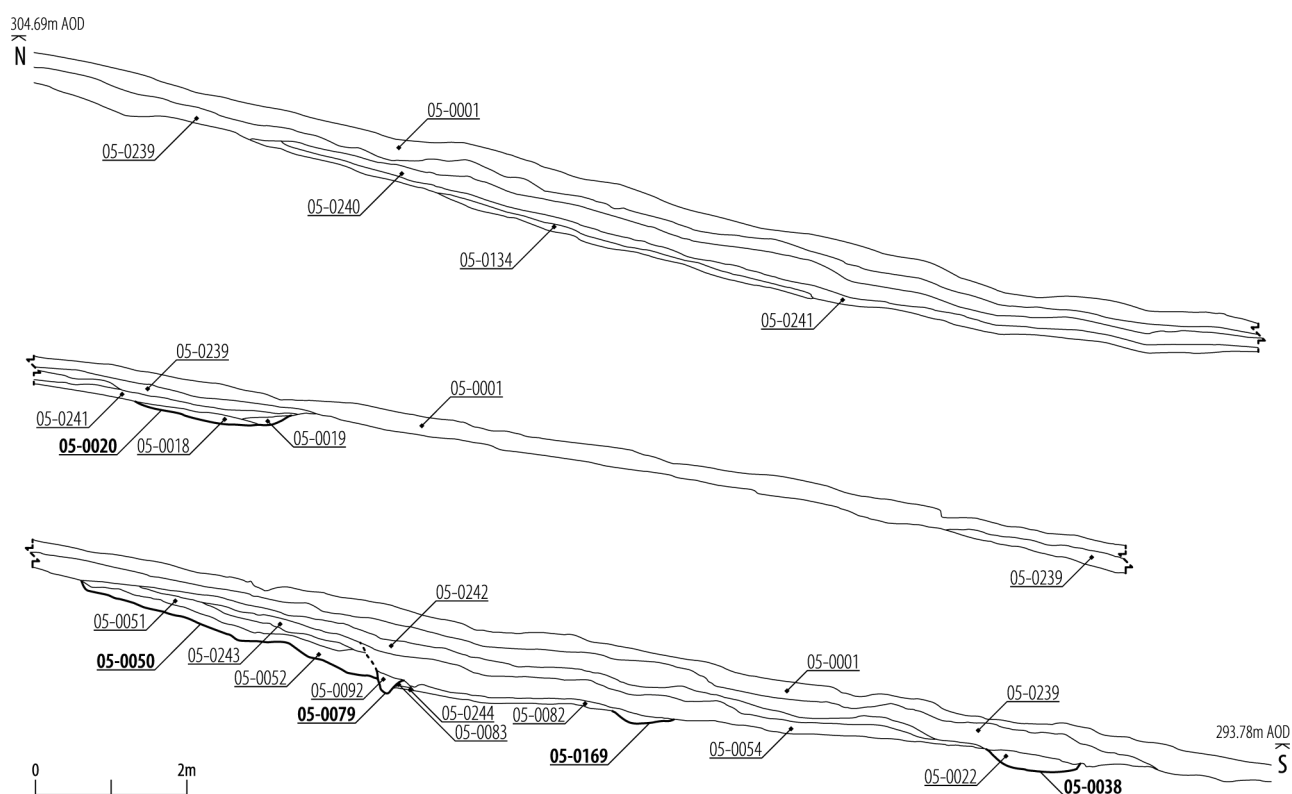
In contrast the section across Platform 4 did not reveal any evidence of buried soils, indicating a lack of early agricultural activity in this location where the steepness of the slope may have precluded ploughing. It should be noted that traces of ploughing can be seen on LIDAR (National Library of Scotland Maps website 2022) to the north of the Whelphill UPS, indicating that agricultural activity did take place on the equivalent contour to Platform 4.

5.3 Finds synthesis

Julie Franklin

5.3.1 Introduction

The finds from Midlock Valley excavations provided evidence for activity in the Mesolithic, Early Neolithic, Chalcolithic / Early Bronze Age, Middle Bronze Age, Iron Age, early historic, and medieval periods. Most significantly they included the best evidence for a workshop producing cannel coal 'napkin' rings yet found in Britain. The vast majority of the finds, including the cannel coal fragments, came from the excavations on the northern side of the valley. The prehistoric pottery assemblage comprised



Illus 5.41 East facing section through Platforms 5, 3, and 2 (see Illus 5.4 for location of section).
(© Headland Archaeology (UK) Ltd)

sherds of pottery representing a minimum of 73 vessels. The medieval pottery assemblage comprised 23 sherds of coarse Scottish redware. Two hundred twenty pieces of chipped stone were recovered which represented small-scale activity and belonged to multiple periods. Other stone finds comprised an axe-head, a quern, a whetstone, and a slate disc. Over 4.4kg of vitrified material was recovered, the majority of which represent debris produced during ironworking, specifically blacksmithing. A medieval iron barrel padlock bolt was also recovered. In contrast, very few artefacts were retrieved from the excavations on the southern side of the valley. The river terrace assemblage comprised sherds from three prehistoric vessels, a quern, and eight pieces of chert while the upslope assemblage comprised sherds from a single prehistoric vessel.

5.3.2 Mesolithic

A Mesolithic component was identified among the lithics, though all the material was residual. Glimpses of Mesolithic land-use in the Clyde Valley were also found in Camps Valley to the north (see Chapter 4), at higher altitudes than expected.

5.3.3 Neolithic

The evidence for Neolithic occupation was concentrated in a few scattered pits which predated Platform 5. The artefactual evidence includes Carinated Bowl pottery, a fragment of polished stone axe-head, and worked pitchstone (Illus 5.42a and b). The Neolithic pottery makes up a substantial percentage of the total pottery assemblage. The type of pottery, the raw material for the stone tools, and a radiocarbon date (3750–3640 cal BC, 95% probability; SUERC-70769) from a fragment of non-oak charcoal retrieved from one of the pits all point towards the Early Neolithic period. This phase of activity includes the most well-travelled raw materials identified in use at the site, with stone from Great Langdale in Cumbria and the Isle of Arran in the Firth of Clyde. Both could have travelled along trade networks and have been found in association with each other at other sites.

At Snabe Quarry, South Lanarkshire (Kilpatrick 2015), and at Kirkton, Dumfriesshire (Maynard 1993), Cumbrian tuff axe-heads, pitchstone artefacts, and Carinated Bowl pottery were also

found in association with each other, which seems to denote a kind of ‘cultural package’. Radiocarbon dates at both sites are remarkably similar to that recovered from the features that predate Platform 5 (Snabe Quarry: 3715–3630 cal BC, 95% probability; SUERC-50162; 3695–3640 cal BC, 95% probability; SUERC-50161 and Kirkton: 3965–3650 cal BC, Beta-68480; 3960–3385 cal BC, Beta-68481).

The radiocarbon dates imply there was a second Neolithic phase of activity in the earlier part of the Middle Neolithic (between 3640 and 3350 cal BC; 95% probability; SUERC-70772, SUERC-70758, SUERC-70759). However, it is difficult to identify an artefactual assemblage that relates to this period. A Levallois-like lithic piece from Platform 5 would date to this period but was not directly associated with the dates. A sherd identified as possible Beaker might in fact be Middle Neolithic Impressed Ware. Other less diagnostic lithic finds might belong to this period.

The eight residual lithics recovered from features on the southern side of the valley unfortunately tell us very little about who made them or why they were deposited here. At least one of the lithic finds, a denticulate tool, is Neolithic to Early Bronze Age in date. It was found in a medieval or post medieval deposit of stacked turves on the river terrace. The remaining lithics are undatable.

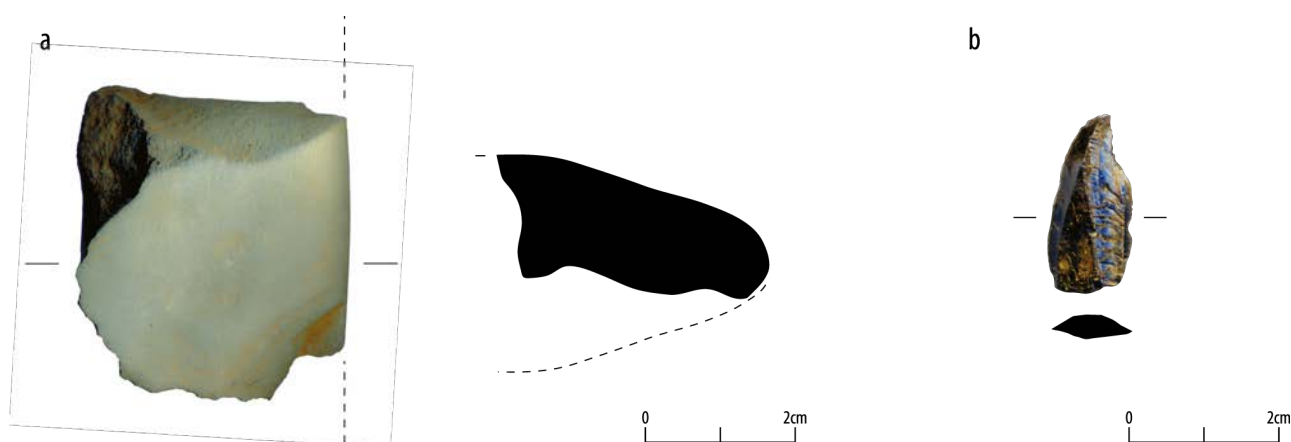
Three sherds of pottery were found in pit C05-3207 located east of the Iron Age roundhouse on the southern side of the valley. While the pottery

itself shares some characteristics with the Neolithic pottery found in the Camps Valley (see Chapter 4), the radiocarbon date from the fill of the pit indicates an association with the Iron Age features making its true relationship unclear.

5.3.4 Chalcolithic / Early Bronze Age

Evidence for Chalcolithic to Early Bronze Age material was relatively scant compared to earlier and later periods, but what was found was concentrated in the group of features shown in Illus 5.7, with other evidence at Platform 3 and Platform 2 (see Illus 5.4). This period is mainly identifiable through residual Beaker sherds and may mark the beginnings of the platform settlement, even if none of the excavated structures can be tied to this period. Two small sub-circular scrapers (so-called ‘thumbnail scrapers’) may also belong to this period.

On the south slopes of Midlock Valley a large, decorated tripartite pot (probably a Collared Urn) was found in a pit upslope from the river terrace and was associated with a scattering of unidentifiable burnt bone, which may have been a cremation. The radiocarbon dating of the bone to 1880–1695 cal BC (95% probability; SUERC-58829) is in agreement with the typological dating for the pot. The feature was severely truncated and the urn all but destroyed. The location may be significant as it overlooks the unenclosed platform settlement on the opposite slope. While the excavated platforms post-date this pit, it is possible that there may have



Illus 5.42 (a) CAT 77 polished stone axe-head; (b) CAT 374 edge-retouched pitchstone blade.
(© Headland Archaeology (UK) Ltd)

been earlier structures within the settlement. The inter-visibility of these two sites, sitting on either side of the slopes, provides a physical separation and a potential contrast between the living and the dead. This possible deliberate placement of the two site types can be contrasted at Green Knowe where two cairns containing inhumation and cremation burials sit adjacent to the site (Jobey 1980).

5.3.5 Bronze Age

The bulk of the artefactual evidence from the north slope of the valley seems to date from the Middle Bronze Age. This includes a large collection of flat-rimmed ware pottery and the waste remains from the manufacture of cannel coal rings. Some of the less diagnostic lithics may also date to this period but Middle Bronze Age chipped stone technology is less easily identifiable than that of earlier periods. The whetstone from Platform 3 and the quern from Platform 4 are also most likely to date to this period.

The dating evidence derives from the radiocarbon dates (see Table 5.1) and typological dating of ‘napkin’ rings elsewhere. Typologically, the pottery can only be broadly dated to the Middle to Late Bronze Age but the use of one vessel (V14; Illus 5.43) was securely dated with a radiocarbon date taken from organic residue on its surface to the Middle Bronze Age, 1495–1300 cal BC (95% probability; SUERC-58818). Flat-rimmed ware elsewhere on the site was associated with charcoal dated to 1605–1425 cal BC (95% probability; SUERC-58822). There is no artefactual evidence for Late Bronze Age activity at the site.

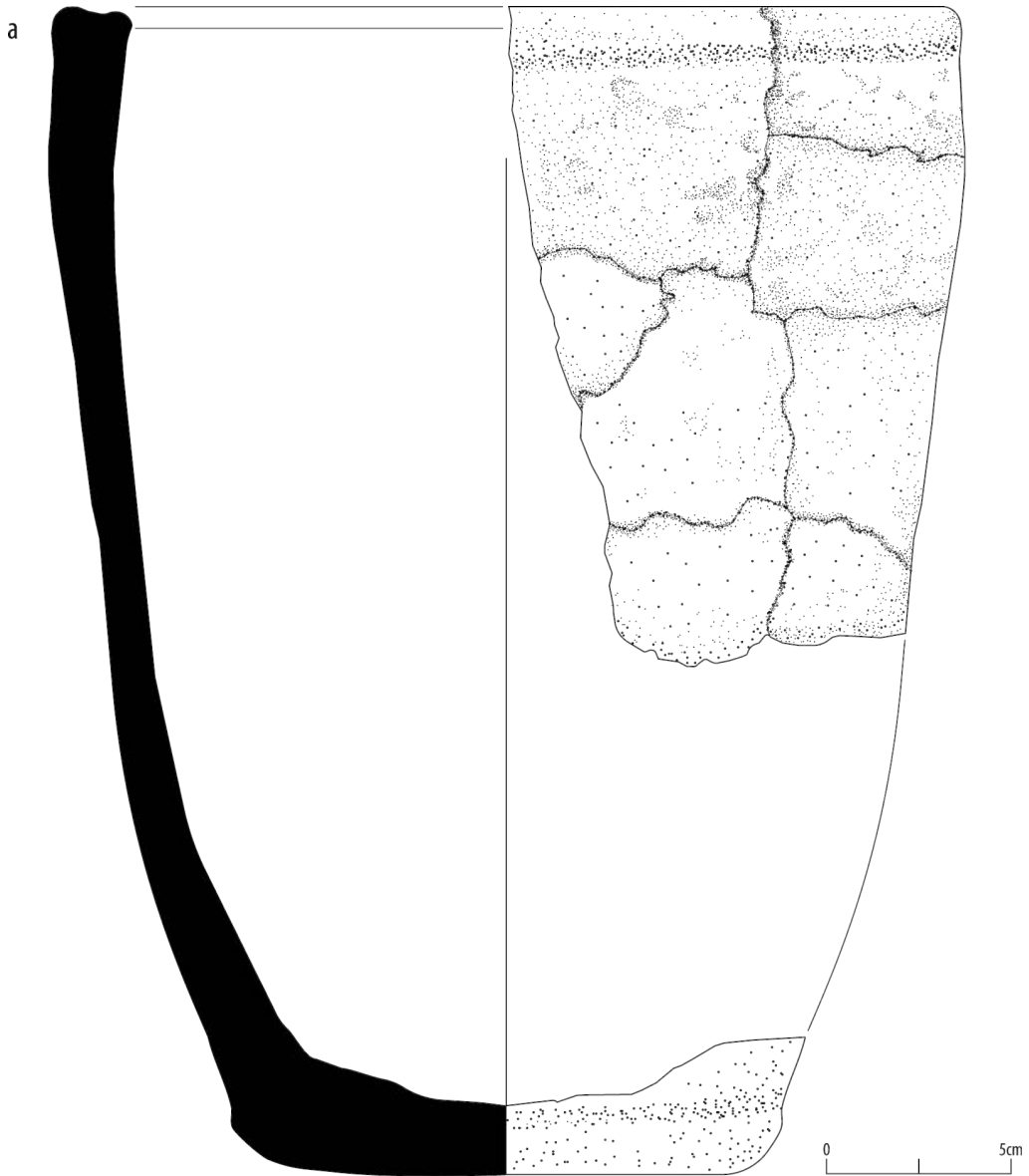
The Middle Bronze Age pottery was represented entirely by flat-rimmed wares. These came in a variety of sizes suggesting they were used for a variety of domestic purposes. Smaller vessels may have been for cooking, larger ones for storage. No doubt there was also a wide range of containers manufactured from organic material such as wood and leather also in use at the time.

The presence of large conjoining portions of the same vessel (V14; Illus 5.43a) within the Platform 3 gully suggests the pot was dumped directly into the base of the gully and fractured in situ (Illus 5.43b). It is possible then that this was a deliberate depositional act. Clearly its location within the

gully afforded it more protection from damage and redeposition than pottery dumped elsewhere. Most of the rest of the pottery assemblage is in the form of small abraded sherds and was probably discarded on midden deposits or occupation surfaces and later redeposited.

There is evidence from Lintshie Gutter, Lanarkshire, that a platform was used to dump midden material after occupation there ceased (Terry 1995: 386, 389). It was possible there to identify individual dumps of pottery representing discrete episodes. It was speculated that the midden was not accumulating directly adjacent to occupation but was deliberately deposited on a different platform some distance away. Given that any midden deposit would have involved food waste, animal waste, and probably sewage, this would have had the practical effect of removing such malodorous material from the immediate occupation environment. The platform cut, gullies, and apron would have prevented the midden material washing downslope. It is possible that Platform 3 – which contained the largest pottery assemblage – was used in similar fashion and that the large accumulation of pottery there was largely occupation debris from other platforms.

A pit located on the river terrace south of Midlock Water provides artefactual evidence for Middle Bronze Age activity on the opposite side of the river to the platform settlement. The pit contained portions of a single vessel of flat-rimmed ware crushed beneath a large saddle quern. Charcoal from the pit was dated to 1610–1430 cal BC (95% probability; SUERC-58831). The very large quern is unlikely to have travelled far from where it was used. However, the only known Middle Bronze Age occupation in the vicinity is the platform settlement on the opposite side of the valley and while it seems reasonable to suggest this as its provenance it would have had to have been carried across the river to be deposited in the pit. The deposition of both pot and quern would seem to relate to a single event of structured deposition. Powerful symbolism may have surrounded querns in terms of their transformative power and their ritual deposition has been noted elsewhere (Engl 2008; McLaren 2021: 133).



Illus 5.43 (a) V14 Middle Bronze Age bucket shaped vessel with internally bevelled rim; (b) V14 in process of being excavated. (© Headland Archaeology (UK) Ltd)

5.3.6 Cannel Coal Assemblage
Fraser Hunter

The evidence of the cannel coal workshop on Platform 4 is the most remarkable of the finds assemblages recovered from the whole project. The excavations recovered parts of two finished items and, more importantly, nine objects representing a series of stages in the working of this black organic-rich stone (cannel coal) into so-called ‘napkin rings’ – fasteners with flared ends and a concave outer edge, typically with one end slightly less flared than the other. Careful sorting of samples recovered an important assemblage of working debris (Table 5.2) confirming that on-site working of the material was overwhelmingly concentrated on Platform 4. One roughout and one piece of working debris suggest

much more limited craft activity (perhaps finishing work) on Platform 5, while the only fragment of a completed ring came from Platform 2, indicating at least some of the products were used on the site.

5.3.6.1 The Assemblage

Physical characteristics indicate the material is cannel coal, notably its dark colour and conchoidal fracturing, though it also shows some lamination. The material is visually very consistent, suggesting a single source. That source is not immediately local; the nearest recorded cannel coals come from the Douglas coalfield some 15km west-north-west of Midlock Valley and around Lesmahagow 25km to the north-west (Gibson & Flett 1922: 12, 17), although specific outcrops have not been prospected for.

Table 5.2 Summary of working debris and technologies present from Midlock Valley by context

Context	Structure	n	m (g)	Type 1/2/3/?	Flake	Cut	Abrade	Split	Gouge	Corner Removal	Edge Trim	Thin	Undiagnostic	Bifacial?
C1011	P4	1	0.02	0/0/1/0	1						1			
C1030	P4	2	0.44	0/0/2/0	1					1			1	
C1031	P4	3	0.1	0/0/3/0	3	1					1		2	
C1032	P4	61	3.81	2/12/47/0	55	13	14	15		2	28	27	4	16
C1034	P4	37	0.97	4/10/23/0	24	3	4	8			14	20	3	10
C1038	P4	2	0.08	0/0/2/0	2					1	1			
C1040	P4	2	0.12	0/0/1/1	1						1		1	
C1042	P4	1	0.36	0/0/1/0	1							1		
C1044	P4	12	0.15	0/0/8/4	8			1	1	1	1	5	5	
C1055	P4	9	0.43	0/3/6/0	9	1	1			2	2	4	1	
C1059	P4	5	0.23	1/4/0/0	5		1			2	1	2		
C1064	P4	10	0.93	0/3/6/1	10	3	2			1	5	3	1	
C1066	P4	9	0.09	1/1/7/0	9						3	3	3	1
C1097	P5	1	1.02	0/0/1/0	1			1		1				
C1183	P3	1	0.22	0/0/1/0	1							1		
C1279	Medieval Structure	1	0.35	0/0/0/1									1	
Totals		157	9.32	8/33/109/7	131	21	22	25	1	11	58	66	22	27

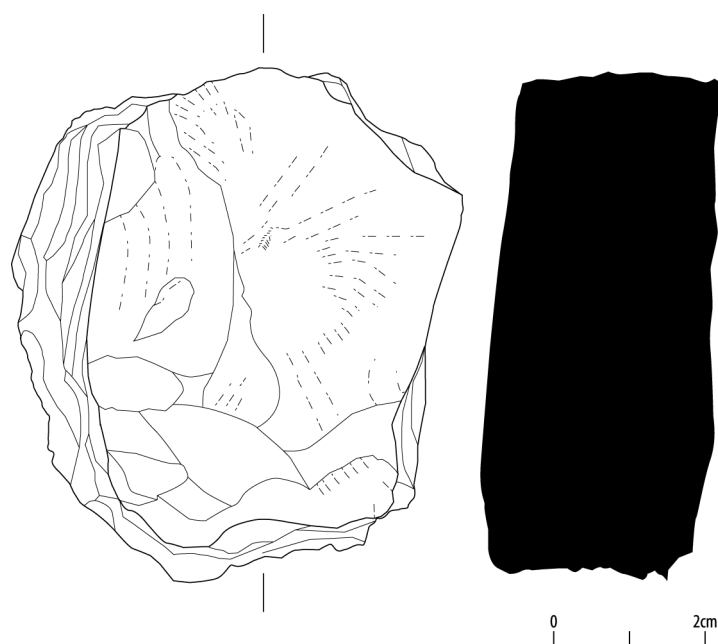
The unfinished items were abandoned because of laminations in the material leading to fracture or, in one case, breakage of the flange. Their great value is to allow the manufacturing process to be reconstructed in some detail. The chaîne opératoire can be expressed as a series of steps detailed below.

1. Preparation of a roughout, circular in plan and tapered in profile, by splitting, cutting, and flaking (Illus 5.44).
2. Incising circles to mark out the perforation (seen on one face of CAT 509).
3. Hollowing out a basin-shaped depression in the narrower face of the roughout. This removed around two-thirds of the thickness of the block, leaving only a small amount to perforate from the opposing side later in the process. The hollow was gouged and then abraded (Illus 5.45a, b).
4. Rough undercutting of the outer edge (by cutting and flaking) to begin to form the concavity.
5. Completion of the perforation.
6. Abrasions to final form of concavity and perforation (Illus 5.46) undertaken simultaneously.
7. Final polishing (Illus 5.47).

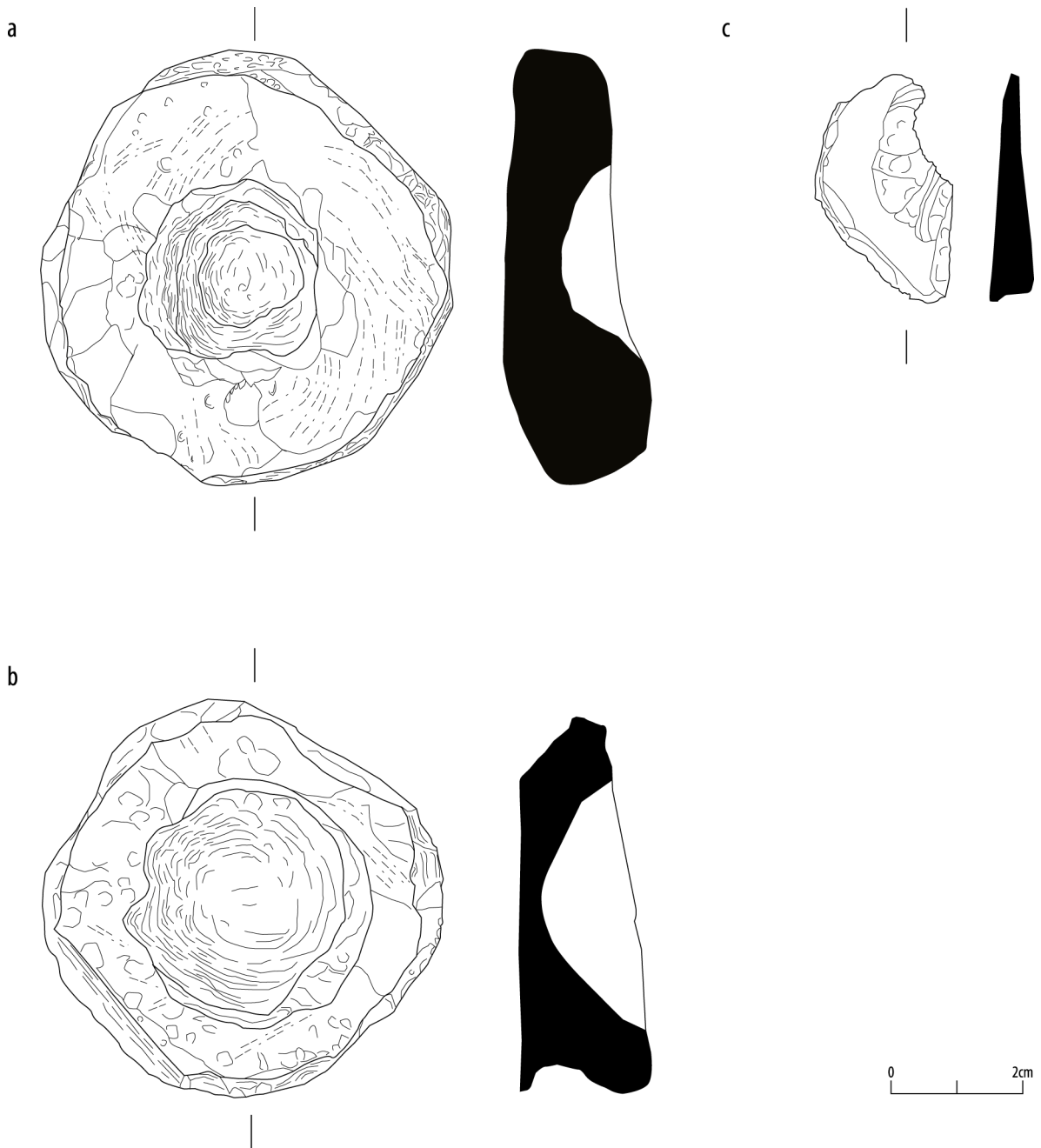
Fragments of working debris were also recovered that were dominated by flakes from the later stages in the process. They included edge-trimming flakes (Illus 5.48a, b, c), some of which had bifacial trimming (Illus 5.48d, e, f, g, h, i, j, k, l) indicating they came from trimming areas that had been worked from both sides. Other debris such as thinning flakes and edge / corner removal flakes were also recovered (Illus 5.48m, n, o, p).

It is difficult to reconstruct the implements used to work the material, but the angle and sharpness of some of the cuts suggests a metal blade, while some of the marks in the hollows suggest a fine gouge; experimental work would be valuable to confirm this but lies outside the scope of the current project.

The 157 fragments of working debris (weighing only 9.32g) were catalogued according to the system developed by the writer for studying the assemblage from Braehead, Renfrewshire (Hunter 2007b). Wider discussion suffers from a lack of comparative material, as this is only the second significant assemblage (after Braehead) where the use of sieving gives one confidence that a representative range of flakes was recovered. Detailed comparison is thus difficult; this study has tabulated the evidence (Table 5.2) and characterised certain key elements of it.



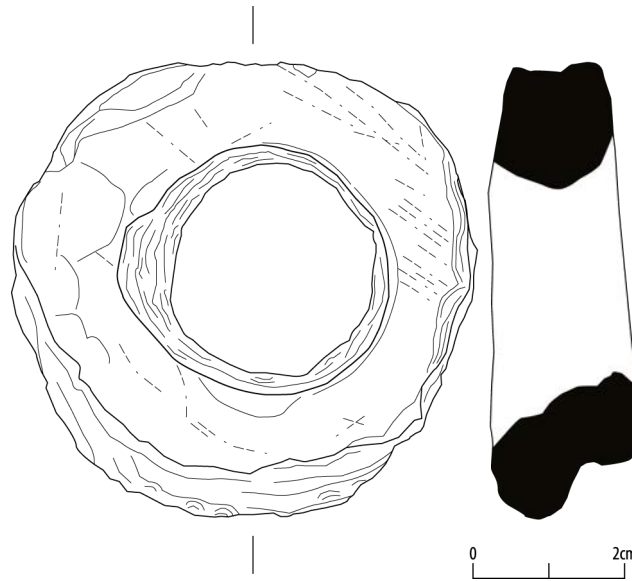
Illus 5.44 CAT 502 unperforated blank for a fastener. (© Headland Archaeology (UK) Ltd)



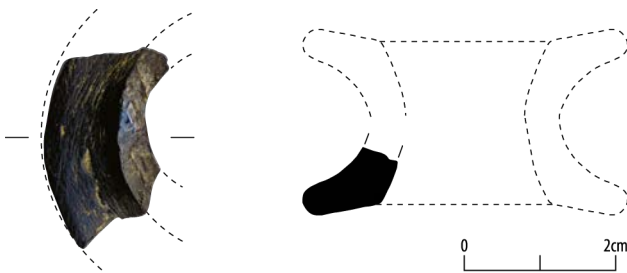
Illus 5.45 (a) CAT 503 part-perforated fastener roughout; (b) CAT 504 part-perforated fastener roughout; (c) CAT 506 spall from roughout. (© Headland Archaeology (UK) Ltd)

The small size of the fragments of working debris – an average of 8.2 ± 3.0 mm in length (0.06 ± 0.11 g) – is noteworthy and contrasts with the material recovered from Braehead (Illus 5.49). However, Braehead was focussed on primary preparation of roughouts whereas at Midlock Valley it seems all stages took place. In the latter there is a dominance of small tertiary flakes from later stages in the process (68% by fragment count), many with pre-existing flake scars running in

opposed directions, which indicate they came from trimming areas that had been worked from both sides, probably from the outer edges. A significant number of edge-thinning flakes were removed at an angle to create an undercut, a feature which may well prove to be distinctive of these fasteners as they require such hollowing of the outer edge. The final stages of creating the concave edge were done by abrasion, as seen on the roughouts.



Illus 5.46 CAT 509 unfinished fastener roughout. (© Headland Archaeology (UK) Ltd)



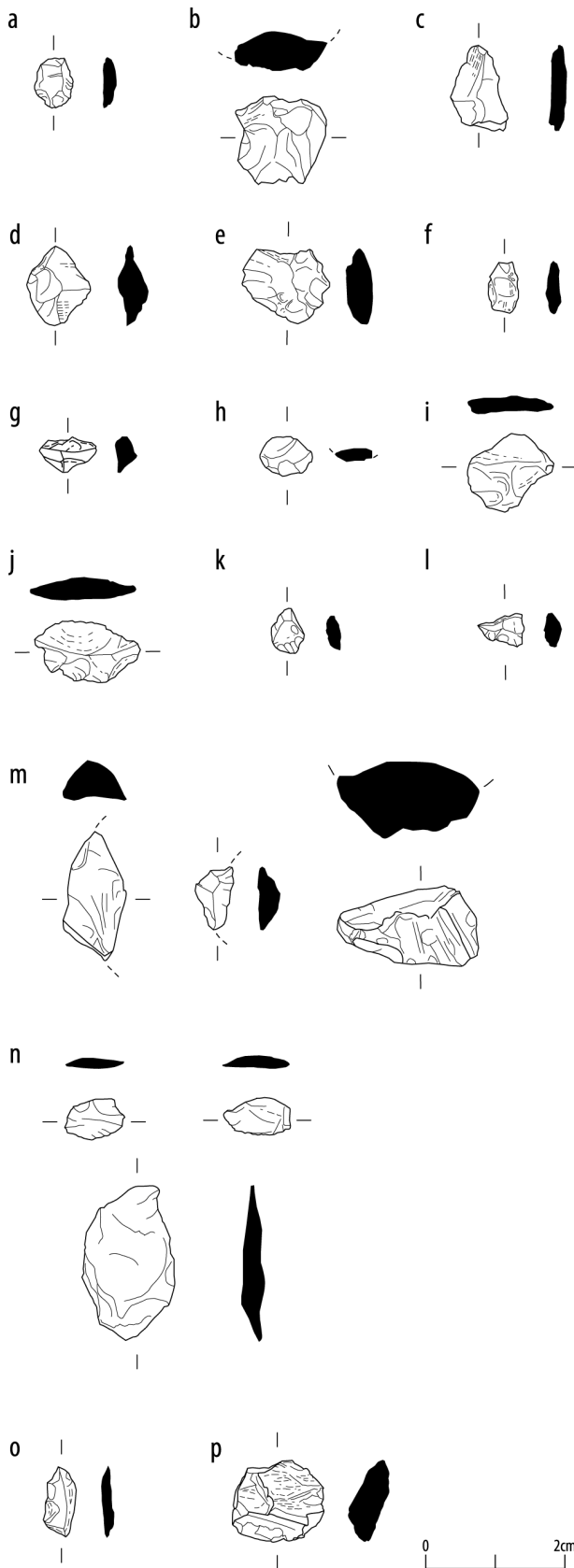
Illus 5.47 CAT 25 fragment of finished fastener. (© Headland Archaeology (UK) Ltd)

Evidence of such fasteners was reviewed by the writer in 1998, when 48 examples were known from 19 sites (Hunter 1998). Today the tally stands at 97 examples from 30 sites, so they merit reappraisal. This increase comes both from new excavations and further work in museum collections and older publications. Broad conclusions from the earlier work stand, but thanks to the Midlock Valley excavations we can add more detail of production processes, while more can now be said of chronology and distribution. Table 5.3 summarises the data by former county, as this allows it to be broken down further than more recent regions for several key areas.

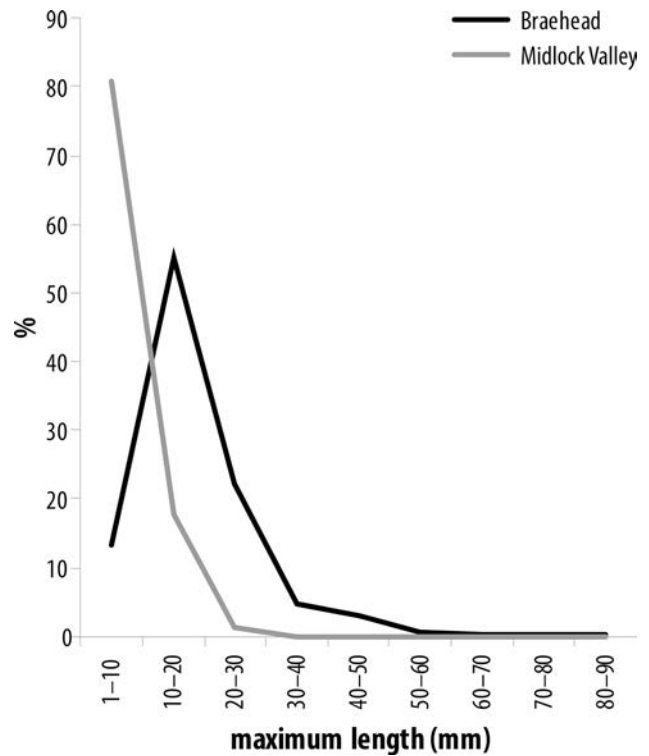
5.3.6.2 Distribution and Date

The updated distribution (Table 5.3; Illus 5.50) confirms this was a distinctive regional type, with a fairly even spread from the Humber to the Forth when considered by numbers of findspots rather than absolute numbers of finds – the latter are biased by large numbers from sand dune sites. It is notable that there is quite a concentration in Lanarkshire. Earlier debates centred on whether the material was Bronze Age or early medieval in date, but chronological evidence has become clearer in recent years. The earliest evidence for their use is Early Bronze Age, from burial associations. Not all are clear-cut or well-dated, but the association from Yarrow with Early Bronze Age pottery is convincing. Most of the evidence is Middle Bronze Age in date, but their use ran at least to *c* 1000 BC based on the evidence from Green Knowe (Jobey 1980: 93) and perhaps Kidlandlee (R Pope, pers comm). The most unexpected dating is the example from the early medieval hoard of Talnotrie (Maxwell 1913: 13), which must be an antique that was rediscovered and reused.

The number from recent settlement excavations is noteworthy, and suggests they were a common ornament at the time. This is supported by the considerable numbers from sand dune sites (where such material is more readily visible), with nine from Shewalton Moor and over 30 from Luce Sands (Table 5.4).



Illus 5.48 Worked cannel coal debris: (a-c) edge-trimming; (d-l) bifacial edge-trimming; (m) corner removal; (n) trimming; (o) thinning, edge perforated; (p) edge removal to make overhang. (© Headland Archaeology (UK) Ltd)



Illus 5.49 Chart showing ratio of size of cannel coal debris found at Braehead versus Midlock Valley. (© Headland Archaeology (UK) Ltd)

5.3.6.3 Manufacture

Unfinished examples provide the best guide to manufacture, with examples from Ayrshire, Clackmannanshire, Fife, Lanarkshire (two locations – Camps Reservoir as well as Midlock Valley, indicating Midlock was not the only local production site), Northumberland, and Wigtownshire, while the existence of examples in jet (Elgee 1930) indicates production in Yorkshire as well. Visually, none of the other Scottish material seen first-hand is jet; most appear to be cannel coal or similar materials which are found widely in central and western Scotland, though rarely in the Borders or Galloway (Gibson & Flett 1922). Given this, it is notable that there is no manufacturing evidence in the Borders and almost none in Galloway, either in the extensive antiquarian finds or in recent finds from research or development-led excavations, with only one (perhaps two) examples in the assemblage of 34 items from Luce Sands. This rarity in datasets from different origins makes the absence more reliable. It suggests Luce Sands was

Table 5.3 Summary of napkin ring evidence by former county

Area	No of Objects	No of Sites	Settlement	Burial	Older Site	Stray	Other	Unfinished (Nos/Sites)	Perforated side	Unperforated
Ayrshire	13	2				2		5/1	1	
Clackmannanshire	1	1	1					1/1		
Co Durham	2	2				2				
Dumfriesshire	1	1	1							
E Yorkshire	4	3	2		1					1
Fife	5	1				1		1/1	1	1
Kirkcudbrightshire	1	1					early medieval hoard			
Lanarkshire	12	5	2	1	1	1		7/2	3	6
N Yorkshire	2	1		1					2	
Northumberland	5	3	1	1		1		1/1		1
Peeblesshire	1	1	1							
Perthshire	1	1	1							
Roxburghshire	1	1				1				
Selkirkshire	1	1		1					1	
W Lothian	1	1				1				1
Wigtownshire	43	2				2		2/1	7	
unprovenanced	3	3				3			1	1
Totals	97	30	9	4	2	14	1	17/7	16	11

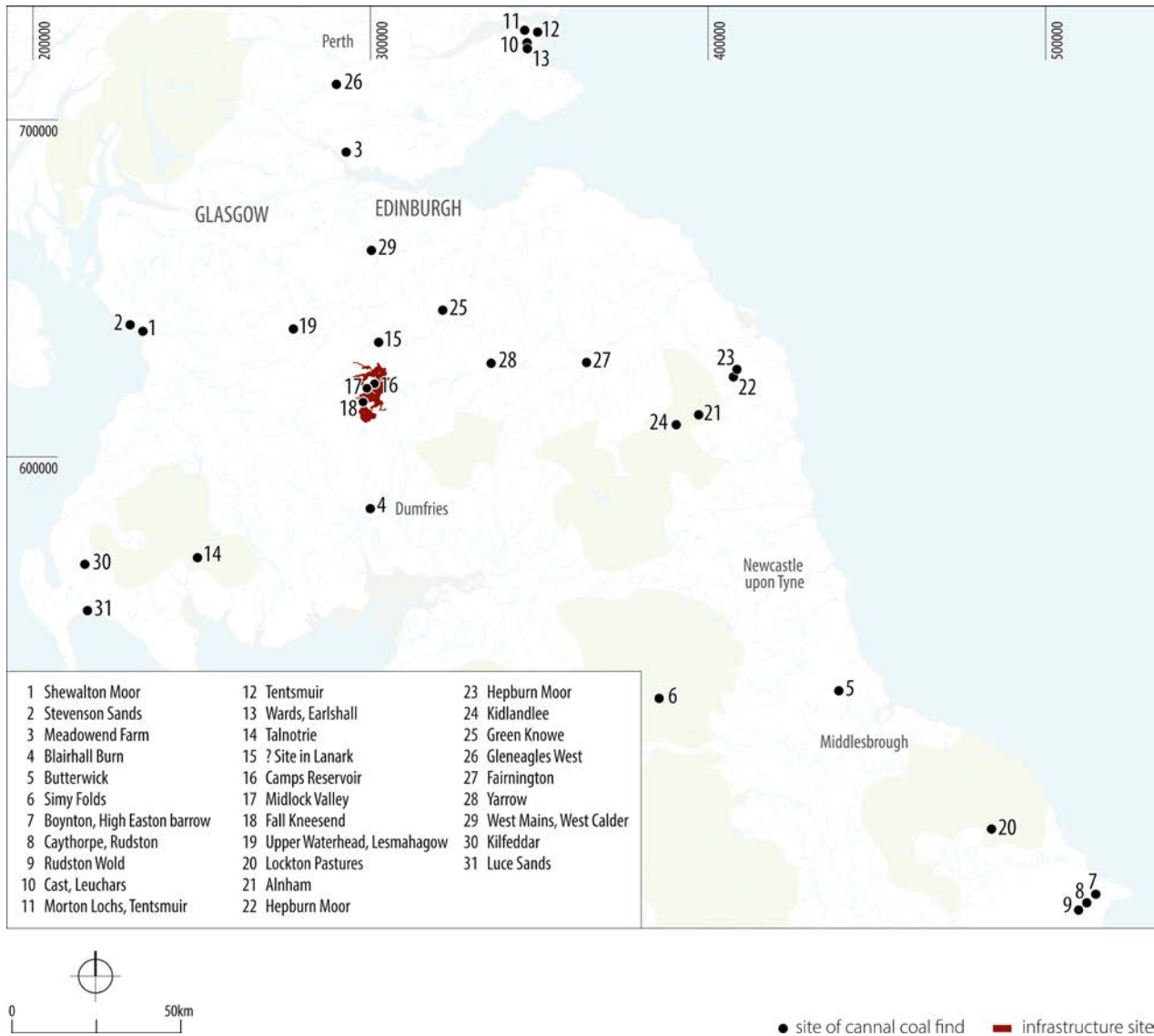
an area of consumption (and perhaps distribution) rather than manufacture. A striking sidelight on this is the evidence of perforations: whereas the normal perforation pattern was through the wall, of the seven Wigtownshire examples six are perforated vertically or at an angle through the flange. This is otherwise unknown, suggesting it represents repair or functional modification rather than being a primary feature as wall perforations seem to be.

The chaîne opératoire outlined above for Midlock Valley is confirmed by other examples with only minor additions and variations. Most unfinished examples are perforated and close to completion, but a few examples from earlier in the process provide more clues. Two other part-perforated examples are known: one from Tentsmuir is closely similar to the Midlock Valley ones, while the Hepburn

Moor example was hollowed from the broad rather than the narrow side. On the Fall Kneesend ring, finishing of the perforation was more advanced than the exterior, suggesting the former was prioritised because finishing of it was more likely to cause fracture. The rather thin roughout from Upper Forth Crossing has the two perforations marked out (to different sizes, indicating an intention to flare the ends differentially) but no work on the exterior channel.

5.3.6.4 Characteristics and Function

The outline characteristics of the fasteners have been detailed above and are summarised in Table 5.3. Illus 5.51 gives the range of dimensions known for outer diameters, perforations, and heights (where these can be accurately recorded), while Illus 5.52 gives



Illus 5.50 Distribution map of cannal coal finds. (© Headland Archaeology (UK) Ltd)

the ratio between the diameters of the two ends to show the varying degree of flare (typically 80–90%). Dimensional data shows quite some variety, with most external diameters falling into the range 30–70 mm. Some are larger still although the largest are scaled from publication illustrations (see reference column in Table 5.4) that lack a scale bar, with no dimensions in the catalogue, and there is a lingering concern that the published reproduction ratio was wrong. It is notable that the concave surface of the fasteners is not polished, indicating it was not visible in use; this and the expanded ends indicate it was set into something and retained by the flanged ends. Additional fixing was provided in some instances

by perforations through the wall; evidence from unfinished examples indicates they were a primary feature, for example Fall Kneesend (Hunter 2001). On some intact examples they are very regular, with four set at right angles through the wall, for example Yarrow (Smith 1857: 484) and Lockton Pastures (Elgee 1930: 112). Sixteen examples show such perforations, widely spread across the distribution, but this gives an inaccurate measure of their overall frequency as an apparently unperforated fragment could have been perforated in a lost portion. If we look only at the twelve examples sufficiently intact to preserve perforations, four have perforations and eight lack them. The presence of such perforations

Table 5.4 Characteristics of napkin rings known to the writer. Dimensions in mm; * indicates incomplete dimension. D diameter; H height; perf perforation; min minimum; frag fragment

site	county	D upper/ lower	min perf D	H	other perf	unfinished?	detail	context	condition	date	Reference/museum
W Scotland	?				lip		3 frags of lip, 2 joining	?	frag		Glasgow NN2191
W Scotland	?							?	frag		Glasgow NN2196
Shewalton Moor	Ayr				?		lip frag from flared side; abrasion on both faces suggests unfinished	stray	frag		E Ayrshire KIMMG AR/A 306 (SM352)
Shewalton Moor	Ayr				?		flange frag; toolmarks inside and out	stray	frag		E Ayrshire KIMMG AR/A298 (SM344)
Shewalton Moor	Ayr				?y		probable roughout, given residual knife cuts	stray	frag		E Ayrshire KIMMG AR/A324 (SM370)
Shewalton Moor	Ayr	20-25	13		y		roughout, perforated	stray	frag		E Ayrshire KIMMG AR/A325 (SM371)
Shewalton Moor	Ayr	25-30					wall frag	stray	frag		E Ayrshire KIMMG AR/A 335 (SM381)
Shewalton Moor	Ayr	25-30					broad, flat flange	stray	frag		E Ayrshire KIMMG AR/A321 (SM367)
Shewalton Moor	Ayr	30-35					lip frag, narrow face	stray	frag		E Ayrshire KIMMG AR/A 287 (SM333)
Shewalton Moor	Ayr						lip frag, narrow face	stray	frag		E Ayrshire KIMMG AR/A 307 (SM353)
Shewalton Moor	Ayr						broad, flat flange	stray	frag		E Ayrshire KIMMG AR/A321 (SM367)
Stevenson Sands	Ayr	60/55	30-35	15.5	wall			stray	frag		Callander 1933, 30; NMS BMC 331

Table 5.4 cont

site	county	D upper/ lower	min perf D	H	other perf	unfinished?	detail	context	condition	date	Reference/museum
Stevenson Sands	Ayr	45	25-30			y		stray	frag		Callander 1933, 30; NMS BMC 333
Stevenson Sands	Ayr	40	20-25					stray	frag		NMS FN 171
Stevenson Sands	Ayr	55	25-30					stray	frag		Callander 1933, 30; NMS BMC 332
Meadowend Farm	Clacks	51		12.5		y	roughout, perforated but not expanded. Different process; perforations marked out, but no edge channelling. Canneloid shale	settlement	frag	MBA	Sheridan 2018
Blairhall Burn	Dumfries	50	19				cannel coal	settlement	frag	MBA	Hunter 1998
Butterwick	Durham		10-15					?	frag		Pers comm L Allason-Jones
Simy Folds	Durham		20				body frag	stray	frag		Coggins et al 1983, 16, fig 8.8
Boynnton, High Easton barrow	E Yorks	40/38	14	17	n		jet?	ditch around Neo barrow	frag		Manby 1980a, 43, fig 12.14
Caythorpe, Rudston	E Yorks	57						pit in undated roundhouse	frag		Manby 1996, 65, fig 26.4;
Rudston Wold	E Yorks	90					lip only (dimensions scaled from drawing)	settlement	frag		Manby 1980b, 324, 342 no 9

Table 5.4 cont

site	county	D upper/ lower	min perf D	H	other perf	unfinished?	detail	context	condition	date	Reference/museum
Rudston Wold	E Yorks	90					lip only (dimensions scaled from drawing)	settlement	frag		Manby 1980b, 324, 342 no 10
Cast, Leuchars	Fife							stray	frag		NMS BN 556
Morton Loch, Tentsmuir	Fife				wall			stray	frag		Fife 1977.638
Tentsmuir	Fife	55		20	n	y	roughout, part-perforated		complete		Dundee 1971.195.15
Wards, Earlshall	Fife							stray	frag		NMS BN 538
?	Fife?							stray	frag		Fife 1984.546
Talnochie	Kirkcudbright	52	15-20				reworked	hoard	reworked	Early Medieval	Maxwell 1913, 16; NMS FC 225
?	Lanark	28.5	16.5		wall, 2 opposed			stray	frag		NMS FN 9
Camps Reservoir	Lanark	56/48	31	21	n			burial	complete	EBA?	Hunter & Ward 2021
Camps Reservoir	Lanark	57/49	31	22.5	n			burial	complete	EBA?	Hunter & Ward 2021
Midlock Valley	Lanark	65/56		21	n	y	roughout, part-perforated; cannel	settlement	near- complete	MBA	this paper sf.503
Midlock Valley	Lanark	61/54	25	20.5	n	y	perforated roughout; cannel	settlement	near- complete	MBA	this paper sf.509

Table 5.4 cont

site	county	D upper/ lower	min perf D	H	other perf	unfinished?	detail	context	condition	date	Reference/museum
Midlock Valley	Lanark	56/52.5		20	n	y	roughout, part-perforated; channel	settlement	near- complete	MBA	this paper sf.504
Midlock Valley	Lanark			37	n	y	roughout, ?unperforated; broken; channel	settlement	near- complete	MBA	this paper sf.500
Midlock Valley	Lanark			30		y	roughout, unperforated; channel	settlement	near- complete	MBA	this paper sf.502
Midlock Valley	Lanark	?/40				y	roughout, part-perforated; channel	settlement	near- complete	MBA	this paper sf.505
Midlock Valley	Lanark	40	25				could be upper or lower flange; channel	settlement	frag	MBA	this paper sf.25
Fall Kneesend	Lanark		24		wall	y	roughout, perforated; channel	cairn	frag	?EBA	Hunter 2001
Upper Waterhead, Lesmahagow	Lanark	45/45	13	c.10	wall		given in Pettigrew 1864 as Auchlochach, Lesmahagow	?	near- complete		Pettigrew 1864, 344; Evans 1897, 456; Hunterian GLAHM:B.1914.469
Lockton Pastures	N Yorks	44.5/38	25.5	12	wall, 4		jet	burial	complete	EBA?	Elgee 1930, 112; Yorkshire Museum 28.2.48
Lockton Pastures	N Yorks	?/36.5	20.5		wall, 2 (originally 4?)		jet	burial	near- complete	EBA?	Elgee 1930, 112; Yorkshire Museum; 28.1.48
Alnham	Northumberland						flange	burial (disturbed)	frag		Jobey 1966, 41-2, fig 15

Table 5.4 cont

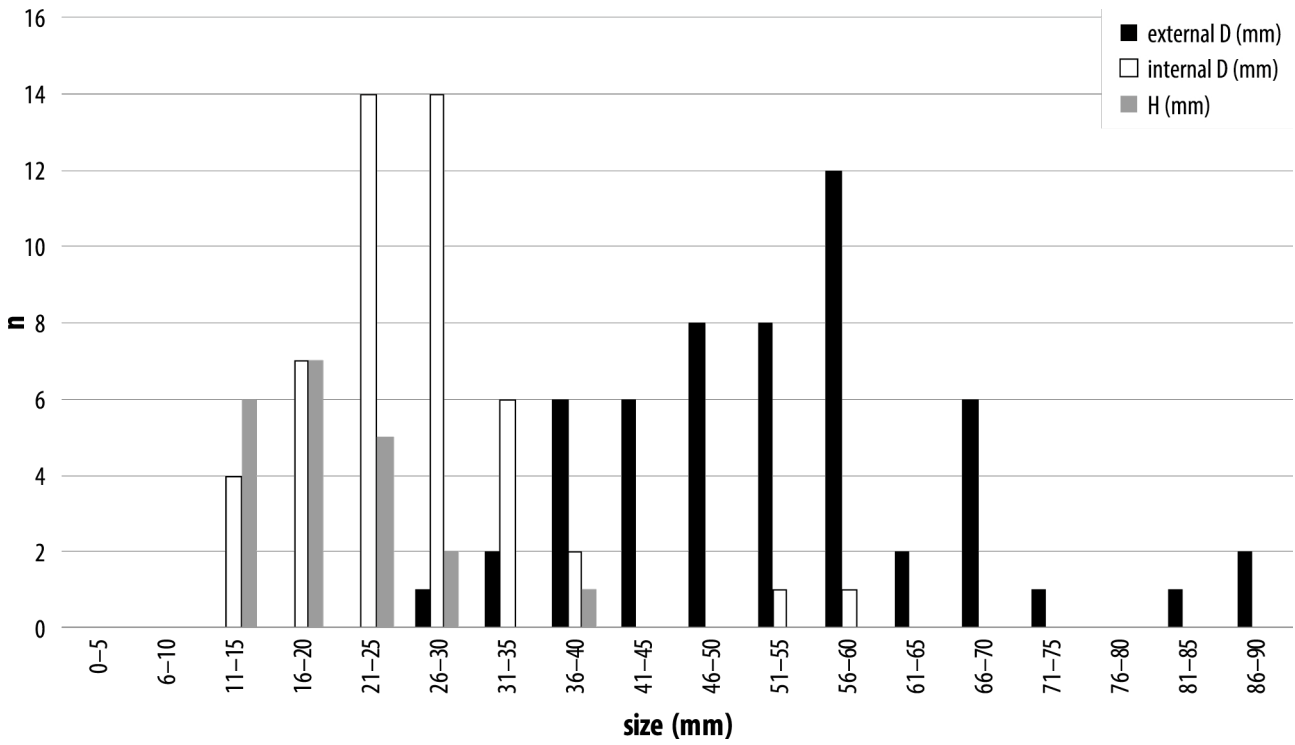
site	county	D upper/ lower	min perf D	H	other perf	unfinished?	detail	context	condition	date	Reference/museum
Hepburn Moor	Northumberland	47/30		21	n	y	roughout, part-perforated; hollowed from broad side; concavity started	stray	frag		Newbigin 1941, 109
Hepburn Moor	Northumberland	52/40	14	29				stray	frag		Jobey & Weyman 1981, 40, fig 8.16
Hepburn Moor	Northumberland	c.85					flange	stray	frag		Newbigin 1941, 109
Kidlandlee	Northumberland	65-70	30-35					settlement	frag	BA	Pers comm R Pope / P Carne
Green Knowe	Peebles			20				settlement	frag	MBA/ LBA	Jobey 1980, 93, fig 12.3
Blackford	Perth	50	18				about a third of a ring; lower face lost; canal	settlement	frag	MBA	Hunter 2020
Fairnington	Roxburgh	45-50	25-30				frag with one face and about half of profile	stray	frag		NMS FN 201
unprov	Scotland	53	25-30					stray	frag		NMS EQ 99
Yarrow	Selkirk	46/40	22		wall, 4			burial	complete	EBA burial	Smith 1857, 484; Callander 1916, 220; NMS EQ 92
West Mains, West Calder	West Lothian	36/33	19		n		traces of reworking; probably finished, though perforation not polished	stray	near- complete		Smith 1872, 538; NMS FN 8
?	Wigtown	45-50			lip		lip only	?	frag		Stranraer 1945.151

Table 5.4 cont

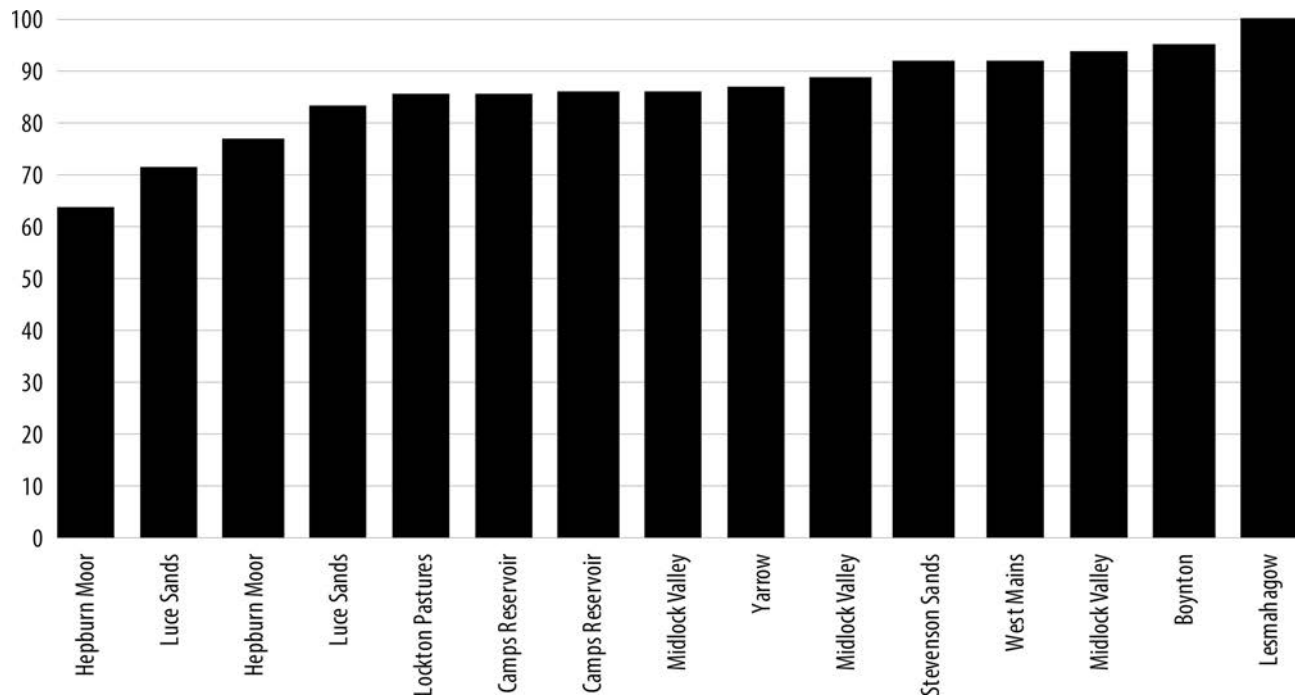
site	county	D upper/ lower	min perf D	H	other perf	unfinished?	detail	context	condition	date	Reference/museum
?	Wigtown		20				body frag, lips broken off	?	frag		Stranraer 1945.19
?	Wigtown	55-60					lip only	?	frag		Stranraer unreg
?	Wigtown	65-70					lip only	?	frag		Stranraer unreg
?	Wigtown						body frag	?	frag		Stranraer unreg
?	Wigtown						frag	?	frag		Stranraer 1945.205
?	Wigtown						wall frag	?	frag		Stranraer 1945.24
?	Wigtown						wall frag	stray	frag		Stranraer 1988.882
Kilfeddar	Wigtown	44	21				much of one face missing	stray	near- complete		Callander 1916, 220; NMS FN 142
Luce Sands	Wigtown	70/50	25-30	15.5	angle		reworked after breakage, dimensions uncertain	stray	frag		NMS unreg
Luce Sands	Wigtown	60/50	20-25	15				stray	frag		NMS unreg
Luce Sands	Wigtown	75	20-25		?4 vertical	y	one perforation unfinished	stray	frag		NMS unreg
Luce Sands	Wigtown				incomplete	y?	flange frag	stray	frag		NMS unreg
Luce Sands	Wigtown	c.40			wall			stray	frag		Dumfries unreg
Luce Sands	Wigtown				vertical			stray	frag		NMS unreg
Luce Sands	Wigtown	70?	30-35?		wall, flange			stray	frag		NMS unreg
Luce Sands	Wigtown		50-55	6*			upper flange	stray	frag		NMS BH 9208
Luce Sands	Wigtown	60	20-25	14				stray	frag		NMS unreg
Luce Sands	Wigtown	60	25-30					stray	frag		NMS unreg
Luce Sands	Wigtown	c.70						stray	frag		Dumfries unreg
Luce Sands	Wigtown						flange frag	stray	frag		NMS unreg
Luce Sands	Wigtown						flange frag	stray	frag		NMS unreg
Luce Sands	Wigtown						flange frag, poss reworked	stray	frag		NMS unreg

Table 5.4 cont

site	county	D upper/ lower	min perf D	H	other perf	unfinished?	detail	context	condition	date	Reference/museum
Luce Sands	Wigtown						flange frag	stray	frag		NMS unreg
Luce Sands	Wigtown	65-70	55-60	11.5*			?lower flange; split	stray	frag		NMS BH 8316
Luce Sands	Wigtown		25-30	4*			faces lost; probably unfinished, as perforation rather rough	stray	frag		NMS BH 8313
Luce Sands	Wigtown		35-40	4.5*			fragment of central section	stray	frag		NMS BH 8403
Luce Sands	Wigtown	50-55	25	6*			upper flange	stray	frag		NMS BH 8314
Luce Sands	Wigtown		20-25	6*			central section	stray	frag		NMS BH 8402
Luce Sands	Wigtown		35-40	6*	wall		badly damaged	stray	frag		NMS BH 8320
Luce Sands	Wigtown	30-35	20-25	6.5*			lower flange	stray	frag		NMS BH 8399
Luce Sands	Wigtown		25-30	6.5*			central section	stray	frag		NMS BH 8401
Luce Sands	Wigtown	55-60		7*			lower flange	stray	frag		NMS BH 8319
Luce Sands	Wigtown	35-40		7.5*			upper flange	stray	frag		NMS BH 8400
Luce Sands	Wigtown	40-45		8*			lower flange	stray	frag		NMS BH 8315
Luce Sands	Wigtown	55-60		9*			upper flange	stray	frag		NMS BH 8317
Luce Sands	Wigtown		25-30	9.5*	wall		central section	stray	frag		NMS BH 8404
Luce Sands	Wigtown	45-50		9.5*			?lower flange	stray	frag		NMS 8318
Luce Sands?	Wigtown	30-35		15.5				stray	frag		Stranraer 1954.101
Luce Sands?	Wigtown	45-50	25-30					stray	frag		1988.883 (202A)
Luce Sands?	Wigtown	50-55	25-30					stray	frag		1988.883 (205A)
Luce Sands?	Wigtown	40-45					lip only	stray	frag		Stranraer 2011.29
Luce Sands?	Wigtown	55-60					lip only	stray	frag		Stranraer 2011.29



Illus 5.51 Chart showing range of dimensions known for outer diameters, perforations, and heights of fasteners. (© Headland Archaeology (UK) Ltd)



Illus 5.52 Chart showing ratio of flanged end diameters. (© Headland Archaeology (UK) Ltd)

supports the idea that they were stitched into something and argues against such rings being used in piercings as has been suggested for flanged Bronze Age gold ornaments (Cahill 2001). There are grounds to argue certain kinds of perforations are secondary, as discussed above.

Use as fasteners in clothing is suggested by their presence in burials. Pairs are known from nearby Camps Reservoir (where they lay in what was probably the neck area) and Lockton Pastures, suggesting use as eyelets for something like a cloak or other garment. However, only a single one comes from the Yarrow burial; the other may have been lost on antiquarian recovery, or the mode of uses varied.

5.3.6.5 Catalogue

Roughouts: unperforated

► **CAT 500. (Not illustrated)**

Roughout. Three fragments, probably from one block as they are very similar in character, but not joining. From a thick block, the broad upper surface split and heavily damaged, the lower only preserved in one corner but also split. Edges shaped to crude circle by flaking and cutting, tapering to narrow face though mostly lost in damage. A cutmark at the point where the block splits indicates it was deliberately split in two after this area had broken off (the latter being the probable cause of abandonment). Largest fragment dimensions L: 64mm, W: 33mm, Th: 37mm, M: 47.97g

► **CAT 502. (Illus 5.44)**

Unperforated blank for a fastener. Sub-oval thick block, faces split with some subsequent flaking and cutting on the narrower one to shape it. Edges roughly flaked to give a tapered profile, with initial heavy flaking followed by some finer flaking and cutting. Probably abandoned because part of one side sheared off, giving it an oval rather than a circular form. Black, slightly granular, conchoidal fracture, occasional laminar fracture; cannel coal or canneloid shale. Dimensions L: 70mm, W: 58mm, Th: 30mm, M: 88.20g

Roughouts: part-perforated

CAT 503. (Illus 5.45a)

Part-perforated fastener roughout. Narrow face split, broad one slightly concave from cutting and crude

abrasion. Central basin-shaped hollow (suggesting use of a chisel or gouge), leaving about 7mm of thickness to create perforation. Outer edge cut and occasionally flaked to shape, with the start of an undercut to define the flange over a third of the circumference. Slight taper in thickness suggests it was abandoned because part of the lower surface sheared off. Dark material, laminations with some cross-cracking, conchoidal fracture; cannel coal. Dimensions upper L: 66mm, W: 65mm; lower L: 58mm, W: 56mm; perf (max): 27–28mm; Th: 21mm, M: 51.11g

► **CAT 504. (Illus 5.45b)**

Part-perforated fastener roughout. Lower face split, probably in accidental breakage as it is angled to the upper surface; the latter is abraded flat with a large central basin-shaped hollow, the irregular marks from initial chisel or gouge hollowing mostly coarsely abraded. Outer edge cut and flaked to shape in broad cuts, then undercut to form flange. Dimensions upper L: 61mm, W: 56mm; lower L: 55mm, W: 52.5mm; perf: 35mm x 37mm x 11mm; Th: 20mm, M: 37.98g

► **CAT 506. (Illus 5.45c)**

Spall from roughout, preserving one face, probably the narrower one; split to shape it; outer edge cut to curve; perforation in progress with shallow scooped cuts, perhaps from a gouge. Dimensions Diameter *c* 40mm (40% survives), L: 34mm, W: 20mm, Th: 16.5mm, M: 1.88g

Roughout: perforated

► **CAT 509. (Illus 5.46)**

Unfinished fastener roughout, discarded due to breakage of part of upper flange. Naturally flat surfaces from a tabular or split block, with some abrasion to smooth them. The narrower face shows traces of a marking-out line surviving around the edges of the perforation. Hour-glass perforation, cut and then abraded; finishing still in process as it is quite angular. Outer edge shows some cutting (perhaps to create the flange) but most traces are of abrasion. The hollow ran most of the way round the outside; one area had not yet been begun. Dark grey material with conchoidal fracture and some laminar splitting; cannel coal. Dimensions upper L: 64mm, W: 61mm; lower L: 57.5mm, W: 53.5mm; perf: 25–27.5mm, Th: 20.5mm, W: 22mm; M: 35.79g

Finished Artefacts► **CAT 25. (Illus 5.47)**

Finished fastener fragment, irregularly circular in plan as it survives, narrow lower face lost, flared upper surface and flange edge well-finished; concave outer edge duller, with extensive abrasion scars. Hourglass perforation shows residual cutmarks overlain with abrasion in the lower portion and entirely removed by circumferential abrasion in the upper. Dark material with conchoidal fracture – cannel coal. Internal diameter *c* 25mm, external diameter *c* 40mm, L: 28mm, W: 11mm, Th: 9mm, M: 1.75g

► **CAT no 505. (Not illustrated)**

Fragment from polished outer edge of a bangle or fastener, the diameter perhaps leaning toward the former as it is at the upper end of the fastener spectrum. External diameter 70–75mm (8% survives), L:18.5mm, W:7.5mm, Th:2.5mm, M: 0.18g

Miscellaneous► **CAT 501. (Not illustrated)**

Broken-up tabular block, one face split, the other and three edges flaked, one naturally flat; naturally broken, no working evidence. L: 65mm, W: 28.5mm, Th: 14.5mm, M: 18.12g

► **CAT 507. (Not illustrated)**

Fragment from corner of roughout, faces split, sides flaked. L: 33mm, W: 20mm, Th: 12mm, M: 4.59g

► **CAT 508. (Not illustrated)**

Undiagnostic broken chunk. L: 37mm, W: 10mm, Th: 8mm, M: 1.23g

5.3.7 Early Historic

The only finds recovered from the metalworking site were in the form of 4.4kg of metalworking waste. These were found in several different pits associated with charcoal and included plano-convex slag cakes and hammerscale. Also present was vitrified material which was suggestive of ironworking. The plano-convex slag cakes can form during either smelting, at the base of a furnace, or smithing, at the base of the hearth, and determining which is not always possible (McLaren 2015). The quantity and size of the hammerscale flakes

and spheres indicates bloom smithing or welding on top of more elementary blacksmithing (ibid: 7–8). The lack of structures associated with the pits indicates that they functioned to contain the waste material from blacksmithing, but it is likely there were hearths nearby and small-scale blacksmithing was taking place at the site. Ironworking has been identified at other sites in South Lanarkshire including similar blacksmithing evidence at Dolphinton (Heald 2002), with slightly earlier ironworking dating to the Roman Iron Age being found at Hyndford Crannog (Munro 1899: 383), Crawford (Maxwell 1972: 177), and at Woodend (Chapter 3). Evidence of metalworking in the early historic period in Scotland is found at a variety of sites including nuclear forts, some monastic sites, crannogs, and open settlements (Heald & McLaren 2008: 206). At the time, iron objects were in common use and their maintenance and repair was part of the everyday work of the community (ibid). The evidence of the pits in Midlock Valley suggests the presence of an early historic settlement nearby.

5.3.8 Medieval

Despite the unexpected discovery of the medieval remains at this location, the paucity of the finds assemblage from this site is not unusual at a Scottish medieval rural site. It is likely that the material culture was largely of organic materials and much would have been reused, recycled, or burnt as fuel. Any remaining midden material was probably turned into the fields as manure.

The remains of two pottery jugs and an iron padlock were recovered from a series of ditches, in particular gully C05-0279 and wear hollow C05-1290. The jugs (23 sherds, 389g) were both fragmentary and incomplete, and of local redwares, typical of medieval pottery in the area from the 13th to 15th centuries (Haggarty et al 2011). The most complete vessel was represented by several sherds of handle base and body.

The padlock bolt (Illus 5.53) has a round flat head with two spring spines orientated in perpendicular planes. There is also a small shallow loop fixed to the plate through which a wire loop or string might have been passed to aid in manipulating the bolt. The bolt would have fitted inside a cylindrical lock and be held in place by the springs of the



Illus 5.53 Barrel padlock. (© Headland Archaeology (UK) Ltd)

spring spines. It would only have been possible to remove the bolt by inserting a key in a hole at the opposing end of the lock, compressing the springs, and allowing the bolt to be slid out. It is an anachronism in this context, particularly given the complete lack otherwise of any kind of metalwork of medieval date. A padlock, as a complex and precision piece of ironmongery, would have been of some value and implies that there was something at the site worth securing, presumably brought there for some purpose. Its loss and deposition in the ditch probably represent a singular event rather than casual refuse disposal. The fact that it seems to have been part of a shackle conjures up a number of interesting scenarios, particularly given the history of warfare in this area during the later 13th and early 14th centuries. It might be imagined that the bolt was lost in an escape attempt or a failed arrest.

5.4 Environmental synthesis

Angela Walker & Laura Bailey

Charcoal and charred plant remains were recovered from a variety of deposits dating from the Neolithic to the medieval period at Midlock valley. Analysis of the in situ hearth deposits and structural remains associated with the Bronze Age platform settlement provided a rare insight into the types of wood used in these features.

Charcoal analysis, together with the interpretation of vegetation information from the Late Bronze Age onwards taken from a pollen core at Camps Valley (Chapter 4) to the north (see Section 2.5.2 for summary), allowed tentative observations to be made on possible specific wood species selection and temporal change in species presence.

Quantitative interpretation of wood usage through time is difficult due to a variety of factors including the varying sample sizes for each site and period and the differing sources and provenance of material. The origin of some of the charcoal, such as the structural remains from the platform settlement and hearths, is more certain than that of others, such as the Neolithic pits or the fills of drainage gullies.

5.4.1 Early to Middle Neolithic

Features dating from the Early to Middle Neolithic period, including an isolated pit, C05-0183, located on the upper northern slope of the valley, were found to include hazel charcoal and hazelnut shell (Timpany et al 2012; Bailey 2015; Walker 2016) like many of the Neolithic pits located in Camps Valley (see Chapter 4), thus highlighting the importance of hazel in the Neolithic economy. A small amount of alder, malvoideae, blackthorn, and oak charcoal were also identified in the pit assemblage. Similarly, a small group of pits, which predated Platform 5, produced assemblages of predominantly hazel with occasional malvoideae charcoal.

5.4.2 Late Neolithic / Early Bronze Age

The dominance of hazel in the early prehistoric period was also seen in pit C05-1339 and gully C05-1346, located to the south of the medieval settlement, and in an isolated group of features located between Platforms 4 and 5, where birch and occasional malvoideae were also identified.

5.4.3 Middle Bronze Age

The four platforms (Platforms 2, 3, 4, and 5) spanning the northern slopes of the valley were found to contain a variety of species, probably deriving from fuel wood. A small, but varied charred plant assemblage was also recovered, providing valuable information on the inhabitants diet.

Charcoal recovered from the features within Platform 4, including hearth C05-1055, was predominantly birch and hazel. The charcoal assemblages deriving from the features forming Platform 5 (including three post-holes, C05-1114, C05-1136, and C05-1126, pit C05-1101, gully C05-1107, and occupation deposit C05-1095 – not

illustrated) revealed hazel as the dominant species type, with birch as the second most commonly occurring species. Other species present, but in smaller numbers, were maloideae in post-hole C05-1136 and oak in post-holes C05-1136 and C05-1126. An isolated pit, C03-1092, located to the north of Platform 5 contained a mix of hazel, possible cherry, and maloideae charcoal.

The charcoal analysed from Platform 3 comprised 26 features including seven pits, five ditches, eleven post-holes, and an occupation layer. Charcoal assemblages from post-holes and pits from across Platform 3 were dominated by hazel and birch with small amounts of maloideae, oak, prunus-type, and willow. Platform 3 also contained the largest amount of cereal grain (Timpany 2012b). Hulled (*Hordeum vulgare*) and naked barley (*Hordeum var. nudum*) grains were concentrated in the fill of gully C05-0090 together with a small number of charred hazelnut shell fragments. Wild taxa present included vetches, mustards, corn spurrey, and plantains. These plants are commonly associated with disturbed and arable ground and may have derived from occupation debris.

Platform 2 was the most southerly of the platforms. Birch and a small amount of hazel were identified in hearth C05-0091. Although birch is an excellent fuelwood it burns quickly due to its high tar content and is best used when mixed with other species or as kindling (Bishop et al 2015).

A variety of wood species including maloideae, birch, alder, willow, and hazel, were identified in pit C05-0066, this was the largest variety of taxa seen in all the platforms at Midlock Valley. The charcoal was relatively unabraded, suggesting that it had not moved far from the source of burning. It is likely that the deposit is fuel debris given its proximity to hearth C05-0091.

Charred plant remains recovered from Platform 2 included a small number of hulled and naked barley grains together with oats. Wild seeds included buttercups, ribwort plantain, sheep's sorrel, and corn spurrey (Timpany 2012b). Like the plant remains recovered from Platform 3, all are typical of grassland and cultivated ground and may have been incidentally brought into the house with fuelwood.

The majority of charcoal analysed from the platforms may have been the remnants of the wattle fences. Overall, hazel and birch charcoal were the

most commonly identified taxa supporting the pollen evidence from the pollen core taken in Camps Water for the presence of birch-dominated woodland locally. Hazel and birch were also recovered in the hearths from Platform 2 and Platform 3, indicating that they were not exclusively used for structural purposes.

The charcoal assemblage from the platforms was very similar to that at Lintshie Gutter, an unenclosed platform settlement with an occupation period dating from the Late Neolithic/Chalcolithic through to the Middle Bronze Age (Terry 1995). Lintshie Gutter was located on the southern side of the Clyde Valley, approximately 4km to the south-west of Midlock Valley, close to the confluence of the Midlock Water with the larger river; the settlement lies at a similar altitude (300m AOD). Here, hazel and birch charcoal were also the dominant taxa. Oak was also identified though in very small proportions (Dickson 1995). Similarly, hazel and birch were the dominant structural components at the unenclosed platform settlements at Fruid Reservoir (Ward 2013) and Green Knowe (Jobey 1980), both located in Peeblesshire, although willow, alder, and oak were also identified.

The presence of oak (albeit in small proportions) at both Midlock Valley and Lintshie Gutter is interesting and suggests that it was present in the landscape but deliberately not selected for fuel. Hazel and birch have fast-grown stems which are ideal for hurdles and other structural functions and would be ideal for lighter structural purposes. In the case of the platform settlements, they were used to make retaining fences either side of a stone, turf, and earth core wall.

5.4.4 Iron Age

Charcoal was recovered from the four-post possible porch C05-3133, hearth deposit C05-3148, and two post-holes, C05-3115 and C05-3161, that formed part of the post-ring of the roundhouse on the south side of the valley. The resulting overall charcoal assemblage from these features comprised birch, hazel, maloideae, alder, and small quantities of willow. All the charcoal derived from small diameter roundwood.

A small number of charred barley grains were recovered indicating some level of cereal cultivation

in the vicinity. Occasional hazelnut shells were also present suggesting that 'wildfoods' supplemented the diet during the Early Iron Age (Timpany 2012b). Evidence for the consumption of hazelnuts was also seen at Camps Valley (Section 4.4) and the northern slope of Midlock Valley (this chapter).

Overall, the charcoal assemblage indicates that hazel, birch, and alder were still widely available in the landscape in the Late Iron Age and that the available taxa appear not to have changed. Armit and Ralston (2003) suggest that the species composition of Scotland's woodlands during the period from 1000 BC to AD 500 remained unchanged from earlier prehistory. Palynological studies present a complex picture of woodland composition, decline and regeneration through the Iron Age linked to anthropogenic and climatic factors (Tipping 1994; Tipping et al 2012; Edwards et al 2019).

5.4.5 Early Historic Period

Charcoal analysis was undertaken for the fills of pits containing early historic ironworking debris with the intention of establishing what environmental resources were being utilised for these processes.

Alder was the most abundant taxon in all but one of the features analysed. Occasional fragments of hazel and birch were also identified. The dominance of alder in all features and complete absence of oak is interesting. Oak was usually the preferred fuel in the smelting process (Section 3.4) as it is able to produce the high temperatures required for smithing purposes (Cressey 2011). Alder is a poor fuel wood, but it does make good charcoal for smelting purposes (Edlin 1973; Gale & Cutler 2000) and is often found together with metalworking slag. Alder and oak were frequently used in bloomery furnaces (Crone & Campbell 2005) so it is possible that the alder here may have been used in a similar function.

The dominance of alder and lack of other taxa in the charcoal assemblage, however, may be explained also by the sudden and dramatic loss of woodland during the early historic period (see Chapter 2). The change is suggested to relate to woodland clearance to make way for areas of agriculture rather than grazing (Timpany 2015).

5.4.6 Medieval

Charcoal was analysed from three features from Structure 1, including gully C05-0279, post-hole C05-0332, and pit C05-0021. Birch was commonly identified in all features. The greatest variety of species was present in pit C05-0021 where alder, hazel, birch, and willow were identified. A small number of charred plant remains, including a hulled barley grain and a single oat grain, were recovered from Structure 1 (Timpany et al 2012).

5.4.7 Summary

The charcoal and plant macrofossil assemblages, when viewed in combination with regional and local pollen data, offer insight into the character of the landscape of the Clyde Valley from the Mesolithic to the early historic period.

The character of wood being utilised for both structural and fuel purposes in the sites excavated in Midlock Valley was similar both spatially and temporally, suggesting that the local woodland composition remained largely unchanged throughout these periods. Hazel, birch, alder, and malvoideae were generally abundant throughout. The only notable exceptions to this were the absence of birch in Neolithic features, and the general absence of oak in all features, except for the Neolithic pit and Middle Bronze Age pit at Platform 3. The reason for this is not clear but may have been related to supply.

The composition of the charcoal assemblage suggests that the most abundant, locally available taxa were utilised. Fuel would have been collected from any available source including woodland and possibly hedgerows, although no evidence for hedgerows was observed. The landscape would have been largely open wet grassland and heathland, indicated by the high herbaceous pollen values, and the recovery of plant macrofossils such as plantains, that are typically found in grassland. The presence of cereal grains indicates some level of arable agriculture, probably in the vicinity of Platform 3.

Latterly, during the early historic period, there was a marked decline in arboreal pollen, when tree and shrub pollen fell dramatically, indicating a loss of woodland, perhaps to make way for agriculture. This widespread removal of trees in the landscape may be reflected in the charcoal record at the early

historic site, where alder and willow, neither of which are good fuel woods (Bishop et al 2015), were used for metal production.

5.5 Discussion

The presence of multiple previously known UPS sites across the Midlock and Clyde Valleys gave an indication that unknown platforms might survive underlying later agricultural improvements such as the lower slopes of Midlock where the cable routes ran adjacent to the scheduled monument. However, the results from the excavations revealed a significant longevity of occupation on both sides of the valley for several millennia, from the Mesolithic to the medieval, with varying levels of intensity, which was less expected.

5.5.1 The Beginnings of Settlement in the Early Prehistoric Period

The presence of two lithic artefacts points to activity in Midlock Valley in the Mesolithic, although no Mesolithic features could be identified. The nature of Mesolithic activity can leave only faint traces, easily destroyed by subsequent occupation, and the stone fragments are the only evidence from this period on the site. Excavations in Camps Valley (see Chapter 4) revealed more tangible evidence of Mesolithic activity in the form of pits, so it is not surprising that there was also a presence in Midlock Valley; this shows that hunter-gatherers were moving throughout the Clyde Valley, and there would have been little distinction between the two locations to people at the time.

Early to Middle Neolithic activity was identified across the northern side of the valley. Three pits may have resulted from a one-off event. They are similar in type, date, and function to some of the pits recorded in Camps Valley, although the Midlock Valley pits lack the distribution and density of the pits seen in Camps, and the valley lacks the potential focus for activity offered by Normangill Henge. While the later platform settlements may have removed archaeological evidence of earlier periods, the lack of features of Early to Middle Neolithic date on the southern side of the valley, outwith the platforms, emphasises the distinction between the two valleys, substantiating the theory that they were

used differently by Neolithic people. Artefactual evidence of the Early to Middle Neolithic is for the most part residual, emphasising the dynamic nature of the sediments on the hillside.

The isolated group of supposed Late Neolithic/Early Bronze Age features located south of Platform 4 appear to represent a localised focus of domestic activity on the hillside. It is possible that the curvilinear ditch and the arc of stake-holes (as well as the gully to the east of Platform 3) which share similar profiles, dimensions, and plans to the features at the rear of the numbered platforms, represent a vestige of roundhouses that formed part of the unenclosed platform settlement. On the strength of the radiocarbon dates the features predate the UPS, but the insecurity of the material used to obtain these dates and the similarity of the features' characteristics suggest a contemporaneity.

The fills of the pit features immediately to the north-west of Platform 5 could have derived from the accumulation of material from nearby (unidentified) hearths and are further evidence of localised domestic activity at this time. The presence of Beaker pottery dating to between *c* 2500 and 1800 BC in a pit pre-dating Platform 3 and the thumbnail scrapers from Platform 2 represent activity in areas on which platforms were subsequently constructed. It is possible that this is evidence of the origins of the platform settlements themselves. Radiocarbon dates from the UPS of Lintshie Gutter inform a similar observation (Terry 1995, 425) and suggest an occupational history running from a possible Late Neolithic/Chalcolithic date through to the Middle Bronze Age period. As with the pits in Camps Valley (see Chapter 4) these pits represent evidence of human activities – whether ritual, domestic, or a combination of the two is unclear.

Except for the hearth – found significantly further upslope than the other features – the group of features recorded on the southern side of Midlock Valley was clustered on or around a small natural plateau which overlooked the site of the roundhouse and enclosures. The choice of locations of these features seems to indicate the exploitation of natural platforms in what appears to be an otherwise steep or boggy local environment. Similarly, a group of four Middle Neolithic features in Camps Valley (Location C; see Section 4.2.2) was located in a slight hollow on the slope of the hill.

The radiocarbon date from the possible cremation burial places it within the Early Bronze Age; a date contemporary with some of the earlier settlement recorded on the northern side of the valley. This contemporary date and the inter-visibility of the two locations may indicate a purposeful connection.

The Bronze Age is noted for the variety of methods for treating the dead with both inhumations and cremations being interred and concealed under cairns or barrows or within areas delineated by banks, palisades, or unenclosed areas (Downes 2012: sect 5.5). The cremation cemetery at Fall Hill at the mouth of Midlock Valley has not been excavated but is morphologically similar to sites at Weird Law (MacLaren 1967) 12km to the northeast, and Whitestanes Moor 30km to the southwest (Scott-Elliot 1967), which were dated to approximately 1700 and 1660 BC respectively (Stevenson 1985) (with the caveat that these dates were not secured by modern protocols). An enclosed cremation cemetery was excavated at the head of Camps Valley (Ward 2021) and was dated to the Early Bronze Age, which coincides with the date obtained for the possible cremation burial in Midlock. Further evidence for upland Bronze Age cremation burials is known from Cloburn Quarry 22km to the north (Lelong & Pollard 1998b), where cremation pits dating to the Early Bronze Age were identified in association with timber post-ring settings, and at Blackshouse Burn (Lelong & Pollard 1998a: 50), where probable Bronze Age cremations were identified inserted into a Neolithic monument. It is notable that the examples above are associated with monumental architecture which is lacking in the solitary example from this site. It may be that this is part of an unenclosed cremation cemetery extending beyond the limit of excavation, but it should be noted that the feature was heavily truncated and the fragments of bone recovered were not identifiable to species. The interpretation as a cremation burial is tentative.

5.5.2 The Unenclosed Platform Settlement

UPS are considered a type of settlement particular to the Upper Clydesdale and Tweed Valleys although the technique of excavating a scarp and creating an apron is known at other locations as far afield as Sutherland and the south-west of England (Terry 1995; Pope 2015). In the upland border area of

Scotland and England many platforms have been identified through survey including over 100 individual platforms surrounding the village of Tweedsmuir alone (Ward 2013: 5). At the time of writing only a few have been excavated: four at Green Knowe (Feachem 1963; Jobey 1980), eight at Lintshie Gutter (Terry 1995), two at Fruid Reservoir (Ward 2013), and one at Bodsberry Hill (Terry 1993b). The dates of the UPS range from the Chalcolithic (Platform 8 at Lintshie) to the Late Bronze Age (Platform 8 at Green Knowe) although most have been dated to the Middle Bronze Age.

To the list of excavated settlements can now be added the four platforms of Midlock Valley. These are part of a more extensive settlement that comprises at least a further 19 platforms at this location in the valley alone (11 of which lie within the Scheduled Area). The 19 platforms are clearly visible on the ground surface. In contrast to other excavations of this kind of settlement, where the limits of the platform are often defined before excavation, there was no visible evidence of Platforms 2, 3, 4, and 5 prior to excavation. The erosion of the apron at the front meant that their preservation was incomplete in contrast to the other excavated platforms where in most cases almost the whole platform was exposed.

5.5.2.1 Structures

All four excavated platforms were constructed in the same manner as those at nearby Lintshie Gutter UPS (Terry 1995) and Green Knowe (Feachem 1963). First a terrace was cut into the hillside and the excavated material was used to form a crescentic apron. This provided a level surface upon which a timber post-ring was constructed supporting a conical roof of thatch or turf. Where evidence for post-rings survive in the excavated examples listed above, they form a projected circle or in some cases (B1 – Fruid Reservoir; Platform 3 – Midlock; Platform 5 – Lintshie Gutter) a sub-circular arrangement. This sub-circular arrangement may have been a response to the shape of the platform created, but in the case of Platform 5 at Lintshie Gutter it was due to the presence of an oven and reflected the specialist function of the house (Terry 1995: 385). Some of the excavated platforms show evidence of repair (Platform 5 at Green Knowe, Platforms 5 and 13 at Lintshie Gutter, Platforms 2, 4, and 5 at Midlock). Repair may be considered

as evidence of the longevity of the roundhouse given that a structure built of organic materials is unlikely to last more than 5–10 years (Downes 2012; Crone et al 2019). The exposed locations of the platform roundhouses may also have been detrimental to the structures. They would have warranted maintenance to prolong their lifecycle considering the effort required to construct these platforms and the buildings on them in the first place. It would have been easier to repair an existing structure rather than fully rebuild a roundhouse on or near the same location; and potentially we should expect more repair of platform structures than would be found on a more typical non-terraced Bronze Age roundhouse. Evidence of repair is not evidence of longevity of occupation, and the use of the roundhouses may have been seasonal or at least episodic. Repair could have taken place after a period of inoccupancy of unknown duration.

The evidence from Midlock strongly suggests that the walls of the roundhouses comprised a double-skinned wattle construction, filled with a core of packed stones, turf, and / or soil. The function of the narrow gullies immediately outside the line of the stake-holes in Platforms 2 and 5 may have been to hold wattle panels, rather than to divert water away from the rear of the buildings. This is indicative of a different phase of construction taking place. Multiple phases of construction were noted on platforms 7, 8, 13, and 14 at Lintshie Gutter (Terry 1995) and on Platform 2 at Green Knowe (Jobey 1980).

The platform excavated by Feachem at Green Knowe showed evidence of a double skin wall construction (Feachem 1963: 83) similar to the platforms in Midlock, but the other platforms at this site excavated by Jobey did not. Most of the platforms at Lintshie Gutter had two ring grooves functioning as bedding trenches for wattle and daub fences forming a ‘cavity-wall’ (Terry 1995: 422), while the platform at Bodsberry Hill (Terry 1993b) contained a double stone-built wall. The walls at Lintshie showed a greater variety of width (0.25m to over 1m) than Midlock (0.4m to 0.6m). The outer wall of the exceptionally well-preserved roundhouse ST2 at Black Loch, although Iron Age in date, comprised a double-skinned wall formed of two wickerwork walls 0.4m apart (Crone et al 2019). Brushwood and withies may have been used to pack the cavity between the walls but the carbonised

nature of this material could also relate to the abandonment of the structure (*ibid*). The thickness of these walls suggests protection from adverse weather and insulation from low temperatures and implies a four-season occupation of the structures. The possibility of seasonal occupation of the platform settlements is raised by Pope (2015) and Terry (1995); potentially the evidence of the thick walls and repair of the structures suggests a more permanent occupation.

Projecting the curvature of the walls gives an indication of the diameter of the buildings. Platform 5 was the smallest with an external diameter of 7.5m, Platform 2 was *c* 10m, and Platforms 3 and 4 were *c* 12m. This puts the latter three platforms in the upper size range for buildings of this type, larger than the buildings at Lintshie Gutter (8–11m; Terry 1995: 379–91) and Green Knowe (7.7–10m; Jobey 1980: 78–80). However, it should be noted that the Midlock Valley platforms were incomplete in plan and these are extrapolations.

There were limited options for the location of the entrance into the roundhouses: an entrance facing uphill would allow water flowing downhill to access the interior and seems highly unlikely. Also, in most cases there was no space for access between the slope of the platform cut and the wall, so steps would have to be cut into the slope; no evidence of such steps was observed. Of the 15 platforms previously excavated elsewhere, only eight had entrances present – all appear to be orientated along the contour of the slope, none out to the front of the apron. None of the platform entrances at Midlock have survived; however, an indistinct ledge to the west of Platform 4 may be the remains of a track leading up to the platform, and an unoccupied 3m wide area to the east of Platform 5 may indicate the approach to the building. This tentative evidence conforms to the evidence from the other platforms that the entrance reflected the contours of the slope.

Platform 4 had no evidence of a ditch at the rear of the building, which may be due to a lack of preservation. Platform 3 contained a large, wide ditch possibly functioning to divert water – similar ditches were recorded at the two platform settlements at Fruid Reservoir (Ward 2013: 20, 42) – but also functioning to provide material for the Platform 3 apron.

5.5.2.2 *Internal Features*

Hearths were present in nine of the previous platforms excavated and were evidenced by scorched areas of subsoil or pits lined with fire-reddened stones. Five hearths (in Buildings 1 and 2 from Fruid Reservoir; Platform 4 at Midlock; Green Knowe; and Bodsberry Hill) were centrally or near centrally located – the others were offset from the centre. In two cases (Platforms 5 and 8, Green Knowe) the hearths were located close to post-holes as in Platforms 4 and 5 at Midlock; if contemporary these would have required some means of protecting the posts while the hearth was in use.

The hearths excavated at Midlock were ill-defined and indistinct. In Platform 5 a hearth was only identified through the presence of a patch of oxidised soil caused by prolonged exposure to heat. Platform 3 contained signs of two hearths within the central part of the building with a partly stone-lined pit between them which may have functioned as an ember pit used to store glowing embers from the fire overnight. It is possible that some of the stone-lined pits seen in previously excavated platforms may have served a similar purpose. The hearth in Platform 2 was surrounded by 17 stake-holes some of which roughly mark the limits of burnt ground and could have held uprights for suspended cooking vessels, or to separate a cooking area from the rest of the structure. The same interpretation is offered for the stake-holes recorded around the hearths on Platform 8 at Lintshie Gutter (Terry 1995: 391). The lack of stake-holes around hearths on other platforms may be due to a lack of preservation rather than a genuine lack of presence.

Shallow pits and scoops were noted at nearly all the excavated platforms, although as with the pits uncovered within the platforms at Midlock there was a lack of evidence for their function other than they are likely to be linked to activities within the building; the exact nature of the activities remains unclear.

5.5.2.3 *Industry*

It was clear that Platform 4 had a strong association with the production of cannel coal napkin rings with evidence found of the complete process of manufacture from preparation of the roughouts to finalisation of the finished form. The cannel coal assemblage recovered here is one of the

most exciting finds from the project and makes a significant contribution to the knowledge of the fabrication process of these fasteners. The presence of a workshop is an extremely unusual find. As fragments of pottery and a quern stone were also recovered it is possible that the structure functioned as both a domestic space and an industrial one, or one use followed the other. A roughout was found in the house on Platform 5 and a small fragment of a finished item was retrieved from the fill of a pit on Platform 2. While the latter platforms were not directly associated with napkin ring production, the finds do suggest some industry was present across the UPS and that all three platforms are roughly contemporary, which is backed up through the radiocarbon dates.

5.5.2.4 *The Occupation of the Settlement*

It had been thought that the four platforms located on the Midlock Valley hillside may have represented different phases of occupation, with one platform being abandoned for another. Although not all of the radiocarbon dates can be considered entirely secure, they indicate that Platform 5 was the earliest, occupied between 1600 BC and 1500 BC, and the other platforms were occupied in a date range between 1500 BC and 1300 BC. It is not possible to determine whether the latter were contemporary or were occupied at different periods within that time frame.

The only evidence for stratigraphic phasing of the platforms themselves is where Platform 3 cuts Platform 5. If the layout of the full apron for the latter is projected, it is impossible that they would have both been fully functional at the same time.

The presence of crushed vessels within the eastern end of the ditch at Platform 3 gives an insight into the abandonment of the UPS. It seems likely that the vessels were both intact when they ended up in the ditch and are likely associated with the abandonment of the roundhouse; particularly as residue on one pot produced the latest radiocarbon date out of all the platforms (1495–1300 cal BC). Crushed vessels in the ring-groove of a Bronze Age roundhouse (although not a UPS) were also observed at West Acres (Toolis 2005: 492) associated with the abandonment of the settlement. The possibility of ritual activity was rejected in favour of the more mundane theory that the vessels were either too

large or cumbersome to be worth transporting, and the same interpretation is valid here.

Once abandoned the hollow left by Platform 5 was used as a rubbish pit – the lower infill above the occupation layer may represent the deliberate deposition of waste material in the hollow of an abandoned house. Platform 7 at Lintshie Gutter (Terry 1995: 389) showed evidence of midden material being dumped in the hollow left by the platform. Subsequent improvement of the land by ploughing, seen in a pattern of striations aligned north to south on aerial photographs, on a relatively steep slope would promote rapid erosion with substantial hillwash. The accumulation of rubbish and hillwash would explain the disappearance of any above surface evidence of platforms. The visible platforms in Whelphill have retained their profile and it is possible these are the most recent platforms; after their abandonment there was no subsequent occupation to generate waste that could fill the scoop. Although their location on the steeper slope and the resulting greater size of the scoop may have meant that they were not so easily filled with hillwash as the platforms on more shallow slopes, and therefore presented more of an obstacle to ploughing.

There were varying degrees of preservation in the excavated platforms – Platform 4 appeared the most affected by erosion as no remains of the apron had survived. In all platforms only part of the rear of the structure was well preserved; the aprons and the post-holes, walls, and internal features built on them had been eroded away.

5.5.2.5 Unenclosed Platform Settlement Summary

The evidence for UPS where they survive above ground comprises the flat, generally featureless, surfaces formed by the scoop and the apron. The presence of the platforms themselves hints at the preservation of structures and environmental material beneath. It is notable that nearly all the platforms excavated to date lack uniform survival of the remains of the buildings that stood on them across the entire platform, even where the apron has survived intact. This is certainly true of the platforms at Midlock. No above surface remains of Platforms 2, 3, 4, and 5 existed prior to the excavation and the six platforms identified to the west of the site had been severely eroded (Ward 1992: 113). This

erosion is the result of natural processes exacerbated by cultivation. The deliberate infilling of at least one of the excavated platforms by midden deposits was no doubt a factor in helping to mask the upstanding traces. The infilling is unlikely to have completely removed any trace of the platforms but the slight dimples in the landscape would not have provided much of an obstacle to the plough, which would have finally removed any visible trace of these platforms. The current surviving platforms visible on the hillside to the east of the site (the Scheduled Monument) are on a steeper slope which has mostly escaped the agricultural practices that contributed to the erosion of the others.

Two significant contributions of the excavation at Midlock are the investigation of an upslope / downslope slice through one of these settlements, whereas previous excavations have focused on individual platforms; and the recovery of the canal coal assemblage with the probability that the occupants of one of the platforms were specialists in the production of napkin rings and possibly bangles, contributing their wares to a wider distribution network.

5.5.3 Iron Age

5.5.3.1 The Roundhouse

The roundhouse structure on the southern side of Midlock Valley is situated in a prominent location on the edge of the eroded river terrace and appears to be an isolated farmstead. This type of Iron Age unenclosed house site is a rare find in the archaeological record for the region (Alexander 2015, 4) especially one of this Late Iron Age date. The ‘annex’ ring-gully represents a fenced enclosure rather than another roofed building and would have been used for livestock. There is little to suggest more than one phase of construction, but this may be due to truncation where only the earliest phase of the features survive. The structure is very poorly preserved and any interpretations of it are necessarily simplistic.

The post-ring supported a conical roof which may also have rested on a low outer wall. The evidence for the form of the outer wall lies in the positioning of the post-holes at the entrance with the implication that they mark the gap in a roughly one-metre-wide turf bank. In this interpretation

the ring-gully functioned as a drain or eaves drip gully. The ring-gully of the annex may also have functioned as a drain, although not specifically an eaves drip gully as it lacked a roof and no evidence for a fence or wall was recovered.

The lack of Iron Age artefacts from the roundhouse can be explained by the heavy truncation of the features. This lack of artefacts was also noted at Newton Plantation (see Chapter 6) where a possible Iron Age structure did not produce evidence of domestic material culture.

Evidence of Iron Age activity was not solely focused on the terrace occupied by the roundhouse, it was also found on the northern side of the valley in the form of the two four-post structures. These are both likely to be Iron Age in date, though such dating is based on typology as the origin of the radiocarbon samples for both structures is uncertain and may have resulted from erosion of surrounding deposits. Rectangular structures of four or more posts are often found on Iron Age sites, and in southern England are frequently interpreted as granaries, though not always on the basis of strong evidence (Dunwell 2007: 62). The lack of positive evidence for their function makes the Midlock Valley structures difficult to interpret. There is no evidence that they are exactly contemporary with the roundhouse and annex either. Their position on the opposite side of the valley and the lack of four post structures in the settlement suggests their location was an important aspect of their function, but the nature of these structures remains a major unknown (ScARF 2012c).

It has been noted that Iron Age riverside settlements, such as Shiels (Alexander 2015) and Braehead (Ellis 2007), may have made use of seasonal pasture; and this may be what is reflected on the southern side of Midlock Valley. The availability of seasonal pasture and the need to move cattle about may have contributed to a dispersed, individual settlement pattern in this area during the Iron Age (Alexander 2015: 7). The lack of phasing in the Midlock Valley roundhouse supports the idea of a single use of the structure, although multiple post-holes may indicate seasonal rebuilding.

5.5.4 Early Historic

Small-scale rural metalworking sites are difficult to detect from the surface and in many parts of the Scottish landscape are usually identified by chance through ground-disturbance works. Such sites are, therefore, poorly represented in the archaeological record.

The metalworking pits produced an early historic radiocarbon date of cal AD 430–620, the only evidence from this period excavated on the project. The evidence of blacksmithing activities in this period is a useful and significant addition to the corpus of sites in the Lanarkshire area, providing evidence of the production of metal objects at a local level.

No structures such as smithing hearths or smelting furnace bases were uncovered at the site and it is likely that the pits are the remains of localised occasional activity. The location on a low rise within the river plain would have protected the site from flooding while allowing access to water required by the metalworking activities. It is unclear from where the iron ore was being sourced. Iron oxide occurs widely in nature as bog ore for example providing large quantities of ore and it appears in several different varieties of rock, or as sand, or as waterborne deposits. All have been used in smelting processes in the past (Brophy 2005).

Very few sites in the area provide comparable evidence of ferrous metalworking of Iron Age or later, particularly early historic, date. At the early historic site at Dolphinton, South Lanarkshire, fragments of vitrified material, including abundant hammerscale flakes and spheres, were recovered from a large charcoal-rich pit surrounded by five post-holes (Heald 2002: 71). The range of metalworking debris present indicated that the pit had been the focus for blacksmithing activities during the early historic period and may have represented a truncated metalworking hearth.

There has been a suggestion that the study of ironworking should consider its symbolic and social nature (Hingley 1997). This may be related to the location of metalworking and the deposition of debris in particular places (Cressey & Anderson 2011: 23). The metalworking taking place within Midlock Valley may be interpreted within such a framework when considered alongside the large

amount of multiphase evidence recorded across the wider Midlock and Camps Valleys. Was it purely a choice of good topographic location, or was it a reference to previous occupation of the land as a ‘special place’?

Whilst there is no direct evidence for the metalworking being connected directly with the sites either side of it, the presence of the pits adds to the multiphase nature of Midlock Valley and the continuous re-use of the land. At Blairhall Burn, Amisfield in Dumfriesshire, five separate areas of archaeological interest were identified, consisting of two burnt mounds, two round-houses, part of a ring-groove structure, a possible platform house, and a metalworking area, which together represent a palimpsest of activity dating from the Neolithic to the early medieval period (Strachan et al 1998: 55); a similar collection of evidence to that recorded in Midlock Valley. These sites provided a suite of evidence which allows the tentative integration of distinctive structural types and artefacts. Such integration may be indicative of a continued recourse to a ‘special’ area (ibid: 92); a highly likely scenario for Midlock Valley.

The investigations have revealed metalworking activity within a valley occupied over several millennia, and no matter how limited, the results from the site in Midlock Valley add to an area of the archaeological record which is, to date, poorly represented (ibid: 91). This evidence builds a picture of craft activities taking place on enclosed and unenclosed settlement sites across the region and enhances our understanding of technological processes undertaken from later prehistory onwards.

5.5.5 Medieval

The presence of the medieval settlement within the Midlock Valley was unexpected. Few rural medieval settlements have been identified in Scotland. The most notable are Springwood Park near Kelso (Dixon 1998), Eldbotle near Direlton (Hindmarch & Oram 2012), and Halhill near Dunbar (Mitchell & Anderson 2011). While these sites produced a greater number of finds and showed far better degrees of preservation than at Midlock Valley, the evidence from those excavations informs the interpretation of the building discussed here.

Structure 1 was identified as a cruck-framed building on an east-west axis running across the slope, with an enclosure defined by a ditch extending to the north. The evidence of enclosure ditches cutting each other suggests different phases of activity with relationships between these phases made difficult due to similarities in the fills.

The crucial element in recognising a cruck-framed building is the stone pads on which the blades of the cruck would have rested. Only two stone pads were identified; other shallow pits (which are the same depth as the ones containing post-pads) may have contained pads which were later removed during abandonment of the building. With the other shallow pits, they formed the northern wall of a structure *c* 10m long. The crucks of the structure would have formed bays – the evidence from Springwood suggests a bay width of 2.5m to 3m (Dixon 1998: 696). The distance between the post-holes in Midlock Valley indicates bay widths of 2.9m, 3.5m, and 3.1m (measuring from east to west). However, the two outlying post-holes could be the remains of an earlier or later phase of building.

Unlike the Bronze Age roundhouse builders, the medieval constructors did not cut into the slope to create a level surface for their building. Assuming the long arms of the A-frames would have been equal in length, a flat surface or wall to raise the ground 0.6m above the geological subsoil would have been required in order to support the southern side of the structure (this also assumes a width of 5m for the structure based on the evidence from Springwood). The excavation of the shallow pits to contain the post-pads may be an attempt to compensate for the slope at this location. The floor surface within the structure would likely have corresponded to the slope as there was no evidence of a scoop into the hillside to provide the material required to build up the floor to a level surface. As with the aprons of the UPS structures any evidence of ground-raising has been destroyed by subsequent ploughing activity.

The function of ditch C05-0297 and its relationship to Structure 1 is uncertain and remains enigmatic. It is very unlikely to be a foundation ditch for the southern wall, as Structure 1 would then be only 2m wide. It is also unlikely to have functioned as a drain. Drains were observed in the structures at Eldbotle and Springwood and considered indicative of a structure shared by humans and animals,

however they were much narrower than ditch C05-0297 and stone-lined rather than stone-filled.

A possible sub-rectangular building with similarities to the one at Midlock was recorded at Titwood, East Renfrewshire (Johnson et al 2003). The structure appeared to be defined by narrow gullies and it had a long shallow ditch running down its central axis. It was found in association with an early historic palisade enclosure although the poor quality of the survival of the archaeological features made interpretation difficult (ibid: 136). It is unclear from the evidence uncovered what the function of the medieval structure in Midlock Valley was. Possibilities include a domestic dwelling, a barn or byre, or a store. The evidence of the padlock may indicate seasonal use of the structure and that it was secured during periods of inoccupancy.

It is interesting to note that Enclosure 1 did not encompass Structure 1 but defined a space to the north of it. Its primary function on a slope such as this must have been to divert water running downhill away from this space. However, water flowing down the arms would have overflowed into the ends of the building – it could be that gully C05-1324 was excavated at the western end of the structure to correct this design flaw. The presence of a second enclosure ditch raises the possibility of another structure to the east of Structure 1, beyond the limit of excavation.

The space defined by the gullies is more important than the gullies themselves, but the features uncovered within the area offer a confused picture. The alignment of post-holes in Enclosure 1 suggests the division and separation of activities, while the pits within Enclosure 2 are indicative of food preparation and storage. In addition, there is the caveat that these features are undated and may belong to a different phase of activity altogether, unrelated to the medieval settlement. To some extent, the medieval evidence remains somewhat enigmatic.

It is likely that the medieval settlement was part of the estate belonging to Crawford Castle, located 2.5km west of site at the entrance of the Midlock and Camps Valleys on the northern bank of the River Clyde. The castle was the administrative centre of the barony of Crawford and was occupied by the Lindsay family from 1215. The Lindsays were part of the colonisation of Upper Clydesdale with

alien overlords by the Scottish monarchy in order to establish a feudal organisation in a strategically important area (Tabraham 1978: 126). The location of the settlement in an out-of-the-way valley and the presence of the padlock bolt conjure up narratives involving prisoners, escapes, and pursuits which are probably best left to fiction writers.

The fragmentary nature of the medieval settlement remains contrast with the rural medieval settlements of Springwood Park and Eldbotle and the impression is of a temporary, short-lived structure. This bears out the view of settlements as being fluid and dynamic (Dalglish 2012: 273), and subject to abandonment which is not unexpected in a fragile upland environment.

5.5.5.1 *The Linear Enclosures*

From the moment of its discovery and during its excavation, the northern enclosure was referred to as a ‘micro-cursus’ by the field team and it seems to resemble a cursus monument in plan, albeit on a tiny scale, with its parallel ditches and convex terminals. It shares some of the architectural vocabulary of non-megalithic Neolithic linear monuments such as the linear plan and the division of the structure through the use of pits (Cook & Dunbar 2008: 304) however it lacks evidence of other elements such as the presence of mounds or banks, the use of segmented ditches, use of oak for palisades or posts, and use of fire / burning events before and / or after construction. Cursus monuments in Scotland are noted for their variation in size (Brophy 1998: 92) but the Midlock Valley ‘cursus’ would be one of the smallest (at 50m by 5m) in contrast with the 2.5km long and 85m wide cursus at Broomy Law (Canmore ID [73422](#)) only 14km to the northeast.

Although the northern enclosure ditch respects the Iron Age roundhouse ditch, the linear plan of the enclosures and the size and sequence of the ditches does not match the large oval shape usually seen in Iron Age enclosure sites such as Braehead south of the Clyde (Ellis 2007) and Shiels near Govan (Alexander 2015).

Neither of the Midlock Valley enclosures can be dated by scientific or stratigraphic means. There is no stratigraphic relationship between the enclosures and either the Bronze Age pit, the Iron Age roundhouse, or the sheep buchts. The washed in material dating to the Iron Age in the ditch could

date from any time. The position of the southern enclosure suggests a direct association with its northern counterpart. Each enclosure appears to acknowledge the presence of the adjacent structures (the roundhouse and the sheep bucht) but this is very likely to be chance.

An alternative interpretation is that the linear features are the remains of a sheepcote, a narrow linear covered structure built to provide shelter for sheep over the winter, as well as storage for fodder. An archaeological evaluation (Lowther 2020) of the upstanding earthworks of a long building in Bothwell Water, 80 km to the north-east of Midlock Valley, revealed a stone structure dating to the 13th century. Like the Midlock Valley enclosures the structure was also located on a low river terrace. The floor area of both the northern enclosure and the Bothwell Water structure measured 250 sqm or 300 sq yards. According to Dyer (1995: 151) the usual size of a flock of sheep assigned to a shepherd was 300, and the common accommodation space allocated to a single sheep was 1 sq yard (although it is noted that Dyer's sources date to between the 14th and 18th centuries).

A shallow curving linear ditch was recorded underlying the stone walls of the Bothwell Water sheepcote and this was interpreted as relating to the

construction of the building (Lowther 2020: 10). Possibly the ditches that form the northern and southern enclosures served a similar purpose. If the interpretation of the enclosures as sheepcotes is correct, they represent the only evidence of what would have been substantial structures. The removal of nearly all elements of the sheepcote, bar the gullies, suggests a significant change in agricultural use of the terrace.

5.6 Conclusions

The evidence of the excavations in Midlock Valley has painted a picture of the importance of this landscape throughout prehistory and history. Episodes of occupation from the Late Neolithic to the Middle Bronze Age has been identified and evidence of Early Bronze Age activity may constitute the origins of the unenclosed platform settlement. A rare unenclosed Iron Age homestead was excavated, and evidence of an even rarer rural medieval settlement uncovered. This evidence of occupation reflects the use of these dramatic valley landscapes and the resources they provide. When considered alongside Camps Valley, we can begin to see how people made different uses of the two valleys; Midlock Valley being a place for people to settle and work, and Camps Valley being a place of pilgrimage and reverence.