Interim Report on Test Excavations at Wogan Cavern (Pembroke, Pembrokeshire): June/July 2023 season

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SUMMARY

This document is an interim report on test excavations at Wogan Cavern (Pembroke, Pembrokeshire) carried out in summer 2023.

A four-week field season in June/July 2023 was the third phase of test excavations, aimed at understanding what intact sediments remain in the cave and whether these are of archaeological value. Work in 2023 focussed on the deepest trench so far excavated (Trench 5), along with two new trenches in areas not yet tested (Trenches 8 and 9).

The 2023 excavations established that a relatively rich Early Upper Palaeolithic archaeological layer – the surface of which was encountered at the end of the 2022 season – exists in the eastern part of the cave (Trench 5). Similarities between lithic material in this layer and the historical lithic collection from Paviland Cave are confirmed.

Excavation of Trench 9, close to the cave's western wall, revealed the presence of intact deposits comparable to those found elsewhere in Wogan Cavern. Underlying a calcium carbonate floor was an early Holocene archaeological layer containing characteristically Mesolithic lithic artefacts. Underlying this are sediments that, although unexcavated, appear comparable to Pleistocene deposits elsewhere in the cave.

A small 1m x 1m sounding in the centre of the cave (Trench 8) revealed evidence for extensive recent historical disturbance and activity. Within this disturbance were hippopotamus remains, which indicate the presence of older Pleistocene sediments than those hitherto encountered.

In addition to work in Wogan Cavern, small soundings were made in sediments beneath a long, low overhang feature in the same limestone outcrop as Wogan Cavern. This feature, located adjacent to and east of Wogan Cavern, is to our knowledge unnamed, and so is named here "Little Wogan". Excavation of a small volume of sediments from the western alcove of Little Wogan yielded a small early prehistoric lithic assemblage.

A further two field seasons at Wogan Cavern are planned. The first, planned for October 2023, will aim to better understand the extent of recent historic disturbance in the cave, and the second, planned for summer 2024, will continue to assess the extent and contents of intact sedimentary deposits.

WOGAN CAVERN: SITE BACKGROUND AND PREVIOUS ARCHAEOLOGICAL WORK

FIGURE 1 - DRONE SHOT OF THE NORTHERN WALL OF PEMBROKE CASTLE, SHOWING THE GREAT HALL. WOGAN CAVERN LIES BENEATH THE GREAT HALL. (IMAGE COURTESY OF OWEN HOWELLS.)

Wogan Cavern lies beneath the Great Hall of Pembroke Castle (Fig. 1; Fig. 2). Following Dixon (1921; see Gunn et al. 2022), the cave has developed within early Carboniferous limestone (forming part of the Pembroke Limestone Group). Some observations suggest the cave may have a hypogenic origin (Gunn et al. 2022). The cave consists of a single, large chamber measuring c.23m north–south and c.18m west–east, with a maximum height of around 5m. It has a wide and high north-facing entrance and a present-day floor that is somewhat uneven but generally flat, with a height above Ordnance Datum of 9–10m. The cave was incorporated into the castle in the early thirteenth century, when a wall was built across its mouth (Fig. 1; Fig. 2), incorporating a gateway and a spiral stair from the castle inner ward above. The cave is thought to have witnessed several early archaeological and antiquarian investigations, but these are extremely poorly documented. Extant historic collections from the cave are small and poorly contextualised, and the cave's present archaeological status is unknown (see Dinnis et al. 2022 and references therein). (For further details of the cave and its historic context the reader is referred to Dinnis et al. (2022) and Gunn et al. (2022)).

FIGURE 2 - WOGAN CAVERN DURING EXCAVATION IN SUMMER 2023, TAKEN FROM THE BACK OF THE CAVE. (PHOTO: ROB DINNIS.)

SUMMARY OF FIELDWORK PRIOR TO SUMMER 2023

The current fieldwork project (outlined in Dinnis 2019) has two major objectives: to determine the extent of intact deposits, and to test these deposits for material of archaeological importance. It is envisaged that this work will:

- provide, for the first time, an assessment of the archaeological value of the cave's extant sedimentary deposits
- help to contextualise old collections from the cave
- establish the site's research potential
- provide information necessary to inform future conservation strategies

Prior to the 2023 fieldwork the project had comprised two field seasons: a small-scale excavation over two weeks in June/July 2021, and a larger-scale excavation over three weeks in June/July 2022. This work established the presence of intact Holocene and Pleistocene deposits close to the cave's eastern wall, and towards the cave's centre (respectively Trenches 5 and 7; see Fig. 3). In both areas, a well-stratified early Holocene layer that included diagnostic Mesolithic artefacts was found underneath a calcium carbonate speleothem floor. Underling this layer were Pleistocene sediments. The Pleistocene deposits in Trench 5 were partially excavated. An Upper Palaeolithic layer formed of animal bone and lithic artefacts was present across the two excavated squares (Squares 4 and 6) at a depth of c. 55-75cm below surface level. A further accumulation of archaeological remains, the uppermost part of which was found at a depth of c.1-1.1m in Square 6 at the end of the 2022 fieldwork, seemingly represented a separate, lower Upper Palaeolithic layer. In lithic raw materials both of these Upper Palaeolithic layers were reminiscent of the Early Upper Palaeolithic collection from Paviland Cave on Gower. Furthermore, one lithic artefact recovered from the lowermost excavated deposits in 2022 bears techno-typological similarity to a series of artefacts from Paviland that are usually considered part of the site's Aurignacian, which is currently thought to reflect one of the earliest occupations of Britain by *Homo sapiens*. Elsewhere in the cave, a limited amount of work in the southwestern corner (Trench 2; see Fig. 3) indicated the historic removal of a prehistoric layer – interpreted as equivalent to the layer with Mesolithic artefacts still present on the cave's eastern side – as well as the presence of intact deposits of probable Pleistocene age. Full details of this work can be found in Dinnis and French (2021 & 2022) and Dinnis et al. (2022 & 2023).

JUNE/JULY 2023 FIELDWORK

The summer 2023 excavation was limited to three trenches (Trenches 5, 8 and 9; see Fig. 3). In the cave's eastern side, further excavation of Trench 5 sought to clarify the archaeological stratigraphy of material recovered from Pleistocene deposits in previous seasons, and to access deeper sediments. Excavation of Trench 8 and Trench 9 sought to test previously untested areas of the cave. In addition to this work, small-scale soundings to test for archaeological material were made beneath a rock overhang located to the east of Wogan Cavern. All work was undertaken over a four-week period in June/July.

Appendix 1 lists material recovered during the June/July 2023 season. On-site sample processing protocols are detailed in Appendix 2, which also includes a list of samples collected. Appendix 3 is a list of people participating in the summer 2023 season. Appendix 4 contains photographs of the backfilled site.

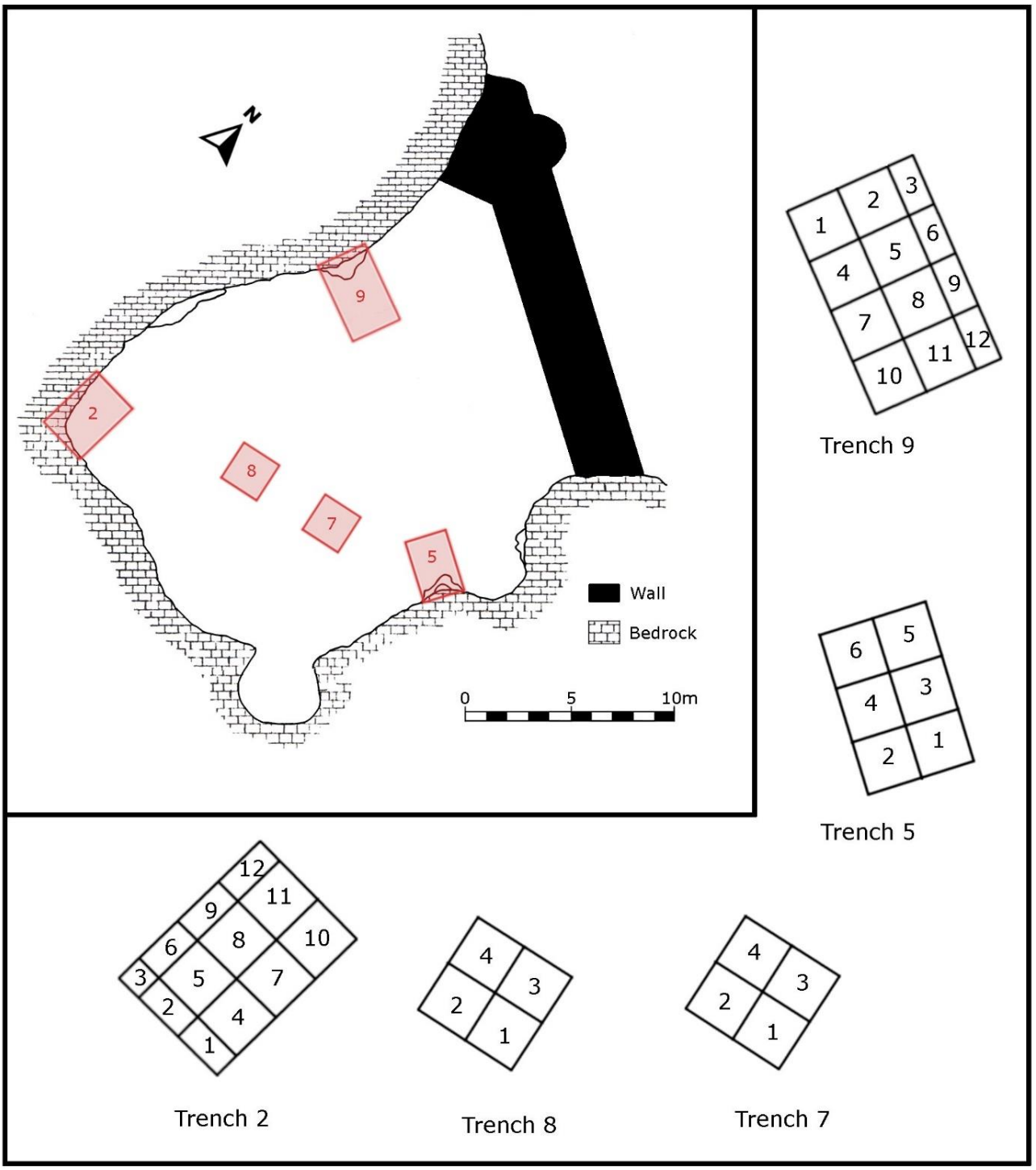

FIGURE 3 - PLAN OF WOGAN CAVERN (MODIFIED FROM KING 1978: 111), SHOWING THE LOCATIONS OF TRENCHES 2, 5, 7, 8 & 9 (TOP LEFT) AND THE DESIGNATED SQUARES WITHIN EACH TRENCH (RIGHT AND BOTTOM). WORK IN SUMMER 2023 WAS RESTRICTED TO TRENCHES 5, 8 AND 9. NOTE: SOME OF THE FEATURES OUTCROPPING FROM THE WALLS IN THE PLAN ARE REMNANT PARTS OF SPELEOTHEM FORMATIONS (SEE TEXT), WHEREAS OTHERS REPRESENT OUTCROPPING AREAS OF BOTH BEDROCK AND SPELEOTHEM FORMATION.

WOGAN CAVERN, TRENCH 5

By the end of the 2022 field season, Square 4 of Trench 5 had been excavated to a depth of c.75-80cm below surface level, and the adjacent Square 6 to a depth of c.1.1m (see Fig. 3). In both squares an Upper Palaeolithic archaeological layer, firmly within Pleistocene deposits, was reached at a depth of c. 55-75cm below surface level. In Square 6, an additional accumulation of archaeological remains, provisionally described a distinct, lower archaeological layer, was encountered at the base of the excavated area, at a depth of c.1-1.1m. Based on the nature of the overlying sediments, as well as similarities between the lithic artefacts found and those from Paviland Cave, these layers were thought to pre-date the Last Glacial Maximum, and therefore belong to the Earlier Upper Palaeolithic (following the terminology suggested by Campbell 1977). Recently produced (hitherto unpublished) radiocarbon dates from Trench 5 support this interpretation.

During the June/July 2023 field season, Square 4 was excavated to a maximum depth of c.1.6m, and Square 6 to a maximum depth of c.1.4m (see Fig. 4). A description of the excavated sequence and its archaeological contents can be found in Table 1, and the trench's sections are shown in Figure 5.

In 2022, the higher Earlier Upper Palaeolithic layer, found in the upper part of Context 5006 (see Table 1), was completely excavated from Square 6, but only partially excavated from Square 4 (Dinnis & French 2022; Dinnis et al. 2023). During the June/July 2023 excavation, the remainder of the layer was excavated from Square 4.

In 2022 plotted pieces from this higher Earlier Upper Palaeolithic layer in Square 4 were found almost solely in the southern half of the square (see figure 4 in Dinnis et al. 2023). Bone and lithic material found during initial excavation of Square 4 in 2023 was similarly found mostly in the southern part of the square, whereas in lower deposits it was instead found in the square's northern half. This demonstrates that, close to the cave wall, the archaeological layer dips from south to north, towards the cave mouth (unlike Trench 5's uppermost prehistoric archaeological layer – the "Mesolithic" layer – which, like the present cave floor, lies largely horizontally). The dip of the layer was particularly pronounced in the northeastern-most corner of Square 4, with some finds in this area found at a lower level than elsewhere in the square.

As was observed during excavation of Square 6 in 2022, the higher Earlier Upper Palaeolithic layer is separated by archaeologically sterile deposits from another accumulation of archaeological remains, found lower in the sequence. This material, provisionally interpreted as a new archaeological layer, was found at the boundary between Contexts 5006 and 5007 (Dinnis & French 2022; Dinnis et al. 2023; see Fig. 5). Excavation of Square 4 in 2023 accorded with this, with the lower part of Context 5006 free of finds, and the surface of Context 5007 rich in finds of bone and lithic artefacts (Table 1). In both squares this second Earlier Upper Palaeolithic archaeological layer was thick and rich in lithic artefacts and bone, with archaeological finds made throughout underlying deposits in both squares.

A notable geological change is apparent beyond a depth of c.1.15m in both squares, marked, broadly speaking, by the change from Context 5007 to Context 5008 (see Table 1; Fig. 5). This geological change can be seen most clearly in the change of colour of the fine sediment fraction (see Fig. 5), but is also marked by a greater prevalence of matrix-supported deposits at a lower depth relative to the consistently clast-supported deposits above. This change approximately coincides with the rich, lower Earlier Upper Palaeolithic archaeological layer, which was found from the boundary of Contexts 5006 and 5007 to the base of the excavated sequence. This lower archaeological layer (=Contexts 5007, 5008, 5009 and 5010) contained abundant bone and a rich lithic assemblage, along with rare shell and burnt bone.

Analysis of the limited faunal assemblage recovered from the uppermost part of Context 5007 during the 2022 excavation confirmed the presence of Cervid bone. As well as further Cervid remains, the faunal assemblage recovered during the 2023 excavations contains a wider range of species, including woolly rhinoceros (SF110, Context 5008), horse (SF177, Context 5008) and probable fox (SF410, Context 5008). All of these species are consistent with British Middle Devensian faunal assemblages elsewhere (Currant & Jacobi 2011). Interestingly, so far no hyena remains have been identified from the site. Hyena remains are common at other Middle Devensian sites, and they are usually considered the primary agent of Middle Devensian bone accumulation at

British caves (Currant & Jacobi 2011; Dinnis et al. 2016). Their absence from Wogan Cavern may reflect the unsuitability of the cave for hyena denning and/or the anthropogenic origin of most or all of the faunal assemblage.

The lithic assemblage from these lower contexts comprises a range of raw material types. This includes flint (some of which high quality, and therefore likely to be imported from some distance away), but most is various non-flint materials. These non-flint materials include those which, in the Paviland Cave collection, have been described as rhyolite and as black carboniferous chert (Swainston 2000). At least one of the lithic artefacts from the 2023 excavation of Trench 5 (SF383, from Context 5008 in Square 6), as well as one found during the 2022 excavation (see Dinnis & French 2022; Dinnis et al. 2023), are reminiscent in their typo-technology of a series of artefacts from Paviland Cave that have been considered part of Paviland's large Aurignacian assemblage. These features of the lower Earlier Upper Palaeolithic layer from Trench 5 confirm a cultural connection between Wogan Cavern and Paviland Cave.

It is also notable that the lithic assemblage from the lower Earlier Upper Palaeolithic layer in Trench 5 includes all aspects of the lithic production process. During the 2023 excavation, large cores (e.g. SF132, Context 5008) were found alongside larger debitage pieces and smaller debitage/shatter, demonstrating stone-working onsite, with discarded retouched pieces furthermore suggesting other activities. In addition, the presence of small and large lithic pieces in the layer suggests that post-depositional geological sorting has been minimal.

The presence of large limestone clasts hindered excavation of the lowermost excavated deposits in Square 6 (see Fig. 4). In neither square was the bottom of the lower archaeological layer reached.

Overall, the June/July 2023 excavation in Trench 5 demonstrates: a) that Pleistocene sedimentary deposits continue to a depth below surface of at least 1.6m; b) that beyond a depth of c.1.15m a notable geological change is apparent; c) that the higher Earlier Upper Palaeolithic layer dips from south to north, particularly in the area of Square 4; d) that the lower accumulation of archaeological material, first reached in Square 6 in 2022, is indeed a second Earlier Upper Palaeolithic layer, separated from the overlying layer by a depth of sterile deposits; and e) that this lower layer is thick and rich in finds, including a lithic assemblage bearing similarities with the Paviland Aurignacian.

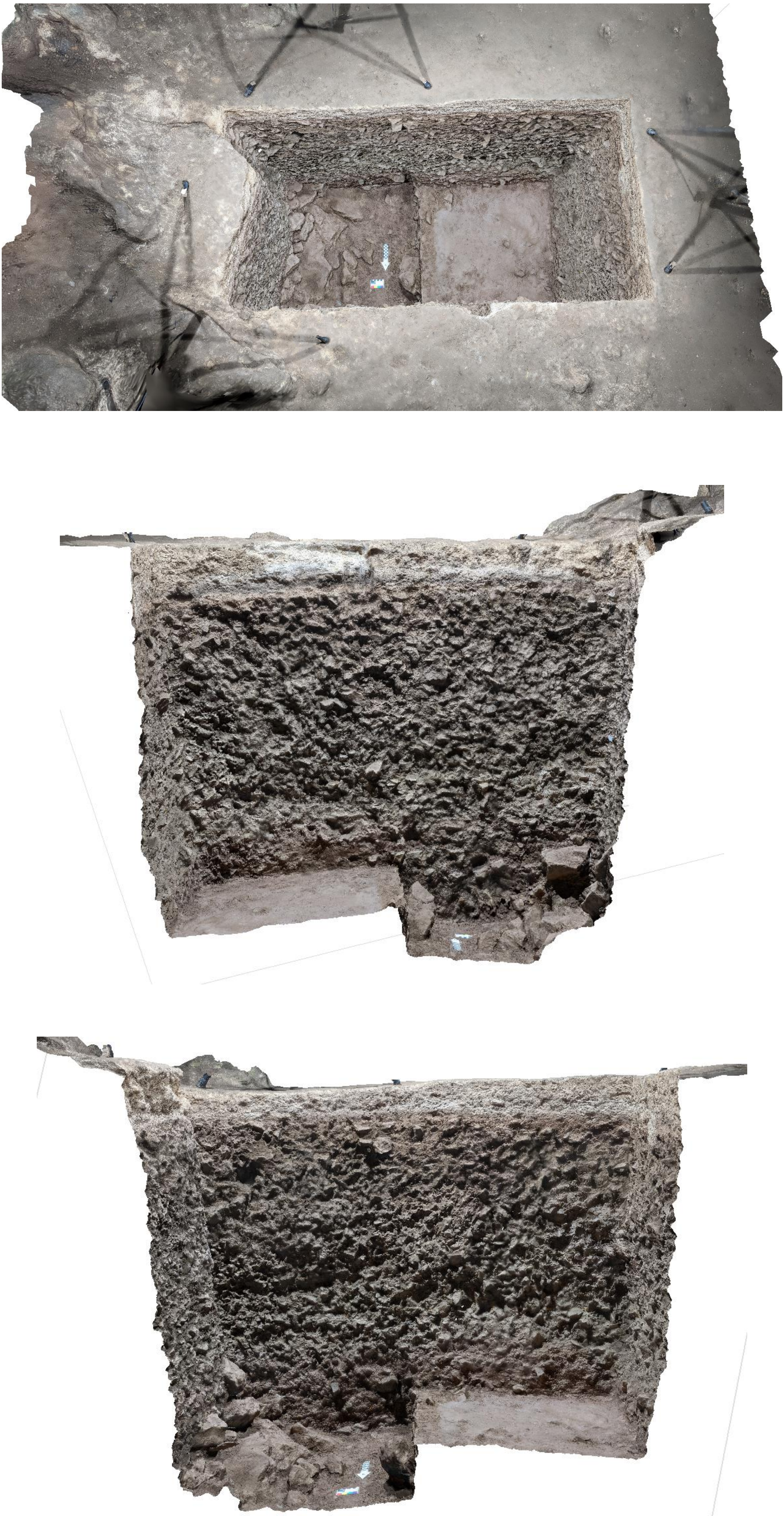

FIGURE 4 –SCREENGRABS OF A 3D MODEL OF TRENCH 5 AT THE END OF JUNE/JULY 2023 EXCAVATION, SHOWING: VIEW SOUTHWARDS, LOOKING INTO THE TRENCH FROM ABOVE, SHOWING THE TRENCH FLOOR AND THE NORTH-FACING SECTION (TOP); A SECTIONED MODEL, LOOKING NORTHWARDS, SHOWING THE TRENCH FLOOR AND THE SOUTH-FACING SECTION (MIDDLE); AND A SECTIONED MODEL, LOOKING SOUTHWARDS, SHOWING THE TRENCH FLOOR AND THE NORTH-FACING SECTION (BOTTOM). SEE ALSO FIGURE 5.

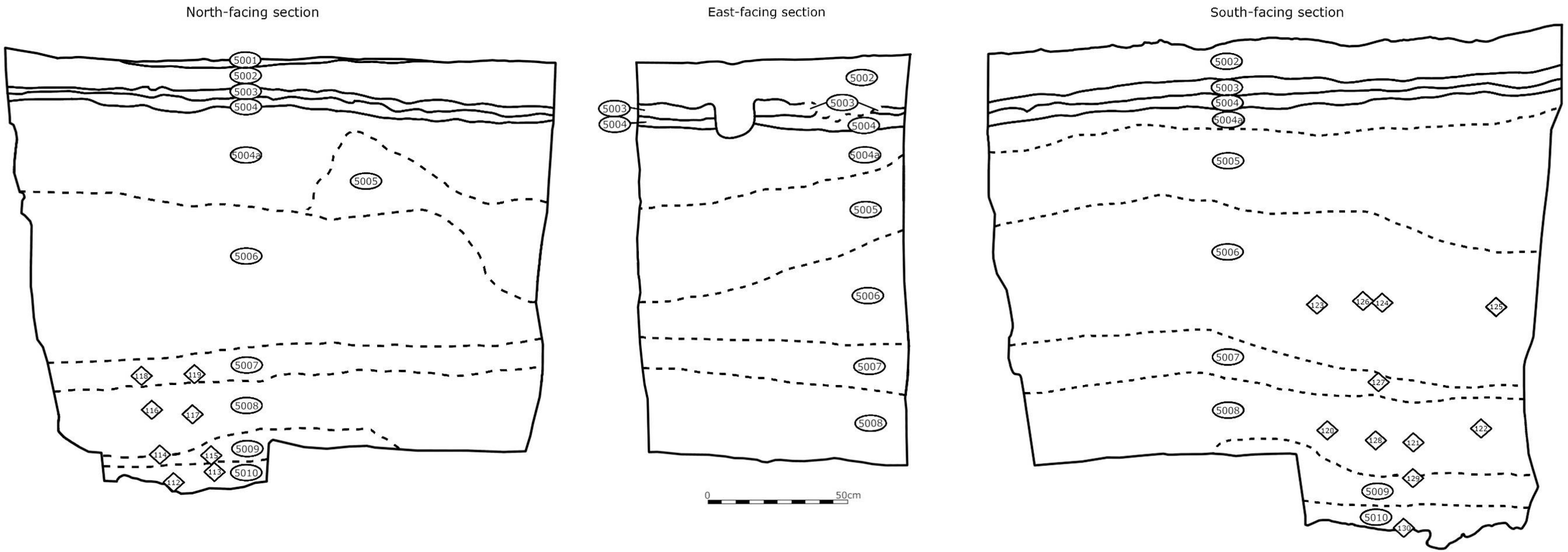

FIGURE 5 – NORTH-, EAST- AND SOUTH-FACING SECTIONS OF TRENCH 5 AT CLOSE OF EXCAVATION, SHOWING CONTEXTS AND SAMPLE LOCATIONS. SEE TABLE 1 FOR CONTEXT DESCRIPTIONS.

TABLE 1 – TRENCH 5 CONTEXTS AND ARCHAEOLOGICAL CONTENTS, BASED ON DEPOSITS EXCAVATED IN JUNE/JULY 2023. SEE DINNIS & FRENCH (2022) AND DINNIS ET AL. (2023) FOR DETAILS OF CONTEXTS HIGHER IN THE SEQUENCE EXCAVATED IN PREVIOUS YEARS. SEE ALSO FIGURE 5.

Context	Context description	Contents
5006	Angular limestone clasts (c.1-5cm with some larger pieces - as higher in the sequence), but with additional subangular limestone clasts and common broken crystalline stalagmite pieces, with a pale yellowish-red-brown clayey sandy silt matrix. Clast-supported. WC23: excavated in Square 4 only.	Bone/microfauna; lithic artefacts; shell (rare fragments). WC23 Small Finds 005, 006, 008-018, 020-026, 030-032, 035, 037, 038 & 550.
5007	Light yellowish-brown-red crumbly clay silt matrix, redder in hue than the overlying 5006, with abundant angular limestone clasts (c.1-5cm), some smaller (c.1-3cm) and more rounded clasts of different minerals, and abundant broken crystalline stalagmite pieces (c.1-3cm). Clast supported.	Bone/microfauna; lithic artefacts. WC23 Small Finds 043-046, 050-061, 065, 066, 068-084, 086, 087, 192, 195-198 & 203-206.
5008	Dark red clayey sandy silt ("cave earth"). Mostly clast-supported but with some matrix-supported areas much freer of clasts relative to 5005, 5006 and 5007, especially at increasing depth. Clasts are mainly sub-angular and sub-rounded limestone (average c.2-6cm with some larger pieces), but with common small (0.5-2cm) broken stalagmite pieces in upper part, and uncommon larger (c.5-10cm) broken stalagmite pieces in lower part. Overall, less broken stalagmite than in 5007. In some areas the boundary between 5008 and the overlying 5007 was clear due to a stark colour change. Incompletely excavated in western part of Square 6.	Bone/microfauna; burnt bone; lithic artefacts; charcoal(?). WC23 Small Finds 088-093, 098-100, 103-110, 114, 117-149, 151-161, 170-177, 181-185, 210-216, 223-229, 238, 239, 244, 248, 249, 255-266, 269-277, 279, 284-297, 307-322, 328-330, 332-347, 349-369, 372-384, 391-400, 408-413, 421-424, 437-451, 456-460 & 552.
5009	Pale yellowish brown clayey sandy silt matrix, similar to but stiffer than 5006. Clast-supported, with abundant angular/subangular limestone clasts (average c.1-5cm with some larger pieces). Some limestone clasts appear degraded relative to those in overlying deposits, with a corroded/rotten appearance and some with manganese(?) on their surfaces. Additional small (c.0.5-1cm) stalagmite fragments, rarer than in overlying deposits. Excavated in Square 4 and part-excavated in the eastern part of Square 6.	Bone/microfauna; lithic artefacts. WC23 Small Finds 162, 405-407, 420, 467-472, 477, 478, 480-485 & 487-491.
5010	Reddish-brown clayey sandy silt ("cave earth") matrix, with angular/subangular limestone clasts (average c.1-5cm with some larger pieces), and some large (10-30cm) subangular limestone clasts in eastern part of Square 4. As for 5009, some limestone clasts appear degraded. Overall matrix-supported, although in some places clast-supported. Excavated only in Square 4; incompletely excavated.	Bone/microfauna; lithic artefacts. WC23 Small Finds 492-501, 509-522, 525-532 & 551.

WOGAN CAVERN, TRENCH 8

Excavation in 2022 established that an intact calcium carbonate speleothem floor was present in Trench 7 (Fig. 3, above). Under this lay an early prehistoric layer including diagnostic Mesolithic lithic artefacts (Dinnis & French 2022, Dinnis et al. 2023). In light of this, the previously untested Trench 8 was opened in 2023, to assess an adjacent area in the centre of the cave (see Fig. 3).

One 1m x 1m square, Square 4 (see Fig. 3, above), was opened and excavated to a maximum depth of c.75cm. A description of Trench 8's sequence can be found in Table 2. Trench 8 sections at the end of excavation are shown in Fig. 6 (overleaf).

Excavated deposits were all either large-scale disturbance or recent historical surfaces, making the sequence markedly different from the adjacent Trench 7.

The assemblages from all contexts contain material of mixed age. Slate, presumably anthropogenic, was found through the deposits, being especially abundant in 8007. Glass and pottery fragments and clay pipe stem fragments were found throughout the excavated sequence. Oyster shell, which in the adjacent Trench 7 was found in abundance in disturbed contexts (Dinnis & French 2022; Dinnis et al. 2023), was present through the Trench 8 sequence. Most of the excavated contexts in Trench 8 contained both bone material of recent age alongside mineralised and stained, probably Pleistocene bone. Two Pleistocene bone fragments recovered from the lower deposits were notably large. These bones, SF111 (Context 8008; c.200 grams) and SF165 (Context 8009; c.500 grams), refit, and are the distal part of a hippopotamus humerus (S. Parfitt, pers. comm.). These hippopotamus remains are most likely to date to the last interglacial (Ipswichian/Eemian; c.125,000 years ago), and therefore indicate that Wogan Cavern contains sediments of that age as well as later (Devensian) deposits. Lithic artefacts, which, judged by their condition and the raw material worked, are probably early prehistoric, were likewise found through the sequence.

A possible cut feature ([801]) was found close to the surface in the northeastern corner of the square (Fig. 7). Material found in underlying contexts confirm that the feature is no older than late 19th century (see Table 2). Lower down, marking the boundary between Contexts 8008 and 8009, was an anthropogenic layer of large (c.20cm) rounded cobbles.

FIGURE 7 – POSSIBLE CUT FEATURE [801] IN NORTHEASTERN CORNER OF SQUARE 4 OF TRENCH 8.

The lowermost context (Context 8010) was composed of a geologically heterogenous mixture of sometimes-large sediment clods (see Fig. 6, east-facing section). Like overlying contexts, this mixed deposit contained objects of markedly different ages, including clearly recent artefacts: charcoal, coal/anthracite, metal-working waste, pottery fragments, wood, shell, bone, early prehistoric lithic artefacts, probable fish scales and probable lime mortar.

Overall, our excavation in the area of Trench 8 shows the presence of recent (19th and/or 20th century disturbance) to a depth of c.75cm. Interestingly, the presence of large Pleistocene bones and early prehistoric lithic artefacts in the lower deposits (Contexts 8008, 8009 and 8010), as well as the presence of large and unscreened clods of clay, suggest that these mixed deposits were left either by those unconcerned with the retrieval of sometimes-obvious archaeological/palaeontological material, or that the excavations were at such speed that they were missed.

The total thickness of the disturbed deposits revealed by our June/July 2023 excavation of Trench 8 remains unknown, and it is not known if they are underlain by intact deposits.

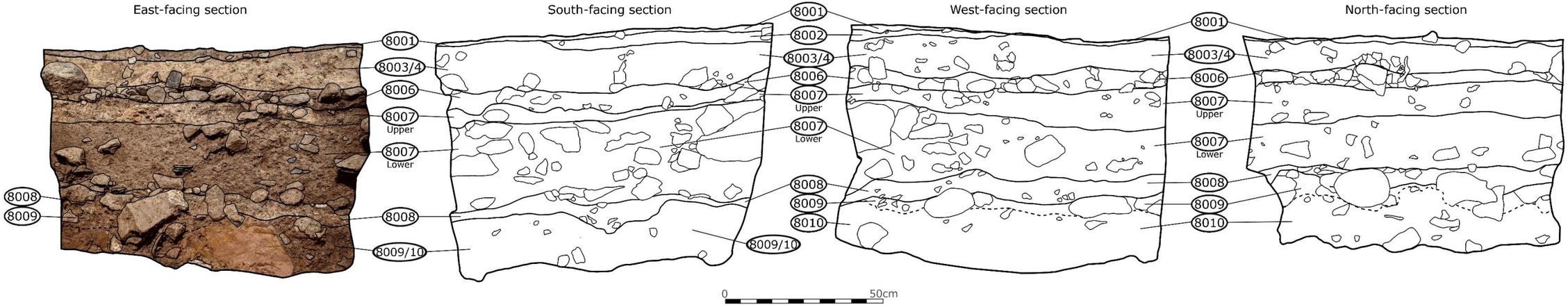

FIGURE 6 – SECTIONS OF TRENCH 8 AT CLOSE OF EXCAVATION. NOTE THE LARGE, INTACT CLOD OF CLAY IN CONTEXT 8010 VISIBLE IN THE DISTURBED EAST-FACING SECTION.

TABLE 2 – TRENCH 8 SQUARE 4 CONTEXTS AND ARCHAEOLOGICAL CONTENTS. SEE ALSO FIGURE 6.

Context	Context description	Contents	Preliminary interpretation / notes
8001	Dark brown-grey silty sand on cave floor, 1-3cm thick.	Bone/microfauna; lithic artefacts; glass; plastic; shell.	Modern tread containing mixed-age material; equivalent to Contexts 2001, 5001 and 7001 (see Dinnis & French 2022; Dinnis et al. 2023).
8002	Mid-brown sandy silt, with red-brown clay clods, charcoal flecks, calcite fragments and small (1-2cm) angular-subangular limestone clasts. Present in northeastern area of square only.	Bone; shell; glass.	Compacted spoil deposit.
8003	Predominantly a pale white-brown sandy silt matrix (comparable to the friable "granular" calcium carbonate material), but with some small lenses of fine red-brown clay and pale yellow-brown clay, and containing angular-subangular limestone clasts (c.4-5cm), charcoal flecks and small pieces of dark grey slate. Overall matrix supported. Context allocated to deposits in the northeastern half of the square, because of a possible shallow trench-like cut orientated southeast-northwest. Very similar to Context 8004 (the context number allocated to the deposits on the southwestern half of the square), and therefore presented in Figure 6 as Context 8003/8004.	Shell; lithic artefact; bone/microfauna (including one human molar); burnt bone; charcoal; glass; metal; ceramics (including pot & clay pipe fragments).	
8005	Fill of possible cut feature [801] (see Fig. 7). Friable mid-brown sandy silt, matrix supported with uncommon subangular limestone inclusions (c.3-5cm). Coherent patch of dark red-brown clay towards (but not at) the base of the feature.	Shell; bone; coal/anthracite; clay pipe fragment.	
8004	Predominantly a pale white-brown clayey sandy silt matrix (similar to the friable "granular" calcium carbonate material), with some small lenses of red-brown clay and pale yellow-brown clay, and with angular-subangular limestone clasts (average c.4-5cm, but a few larger, c.10-15cm) and charcoal flecks. Overall matrix supported. Context allocated to deposits in the southwestern half of the square, because of a possible shallow trench-like cut orientated southeast-northwest. Very similar to Context 8003 (the context number allocated to the deposits on the northeastern half of the square), and therefore presented in Figure 6 as Context 8003/8004.	Shell; lithic artefacts; bone/microfauna; charcoal; glass; pot fragments.	

Context	Context description	Contents	Preliminary interpretation / notes
8006	Clast-supported layer of angular-subangular limestone clasts, average size 5-10cm, alongside less common clasts of other minerals including slate. Matrix is pale- to mid-brown clayey silt, with some sandy matrix possibly derived from the overlying 8003/8004. Some small voids evident between the clasts.	Shell; lithic artefacts; bone/microfauna; glass; pot fragment. WC23 Small Find 036.	
8007 (upper)	Series of pale white-brown sandy silt (calcium carbonate) layers interspersed with lenses of the different reddish and brownish clays and containing some charcoal. Matrix supported.	Shell; bone/microfauna.	The upper part of the context is distinct from the majority part of the context, most noticeably in the southern part of the trench but discernible in all four sections. “8007 (upper)” is here used to denote the upper part of the context.
8007 (lower)	Dark-mid brown clayey silt. Inclusions, most abundant in the northern part of the square, are mostly slate and angular/subangular (average 5-10cm) limestone. Fine plant roots evident in northern section, and some wood present. 15-20cm depth, matrix supported.	Shell; bone/microfauna; metal; glass; coal/anthracite; ceramics (including pot & clay pipe fragments).	The upper part of the context is distinct from the majority part of the context, most noticeably in the southern part of the trench but discernible in all four sections. “8007 (lower)” is here used to denote the majority (lower) part of the context.
8008	Matrix-supported heterogeneous deposit, mainly composed of pale white-brown sandy silt (similar to the friable “granular” calcium carbonate material), but also including pockets of various clays and silts.	Shell; bone/microfauna; glass; coal/anthracite; metal; ceramics (including pot & clay pipe fragments). WC23 Small Finds 097 & 111.	
8009	As 8008 (i.e. a heterogenous mix of different sediment types), but with more mixed clays, including an orange-red clay, and less pale white-brown sandy silt. Flecks of charcoal present, along with clumps of possible lime mortar.	Shell; bone/microfauna; coal/anthracite; metal; charcoal. WC23 Small Find 165.	Series of rounded cobbles of c.20cm in maximum dimension, interspersed with fine red clays, at surface of or within the uppermost part of the context. The white material, whiter and more consistent in structure than the pale calcium carbonate deposits in overlying contexts, may be lime mortar.
8010	Heterogenous mix, similar to 8009, but marked by much larger clods of sediment (see Fig. 9, east-facing section). This included: fine, stiff pale-red-pink and pale-yellow-brown clays; a dark brown clayey silt with angular limestone clasts; fine yellow sand; and large (c.5-10cm) pockets of possible lime mortar.	Shell; bone/microfauna; lithic artefacts; burnt bone; metal (slag); coal/anthracite; charcoal; pottery fragments; wood; ?fish scales; ?lime mortar; ?ash. WC23 Small Finds 163, 164, 166, 168 & 169.	A sample of ?lime mortar collected as SF166; a sample of ?ash collected as SF169.

WOGAN CAVERN, TRENCH 9

Prior to summer 2023, work on the western side of the cave had been restricted to a cursory examination of the cave's southwestern corner (Trench 2: Dinnis & French 2021; Dinnis et al. 2022). To allow a more complete spatial coverage of the cave, and to test deposits opposite Trench 5, Trench 9 was opened close to the cave's western wall (Fig. 3, above). Two squares (Squares 4 and 7 – see Fig. 3, above) were opened, with the area excavated to a maximum depth of c.50cm below surface level (Fig. 8). A description of the sequence and its archaeological contents can be found in Table 3 (below). The sections are shown in Figure 9.

Like the rest of the cave floor, the uppermost deposit in the area of Squares 4 and 7 in Trench 9 (=Context 9001) was a very thin layer (maximum 3cm) of tread, containing mixed age material including some that is clearly modern (plastic, recent glass). Underlying this was a variably indurated deposit (Context 9002), comparable to the calcium carbonate speleothem floor found previously in Trench 5 (Context 5002) and in Trench 7 (Contexts 7008 and 7009) (see Dinnis & French 2022; Dinnis et al. 2023). As in those previously excavated areas, it contained less- and more-indurated areas, with a higher level of induration at its base and particularly in Square 7.

As was the case for the equivalent deposit in other parts of the cave (see Dinnis & French 2021, 2022; Dinnis et al. 2022, 2023), Context 9002 contained material of different ages. The context contained glass, coal/anthracite and recent bone, as well as bone of a notably different condition that appears to be older (including possible Pleistocene bone). Lithic artefacts in the context are consistent in their condition and techno-typology with those found in the cave's early prehistoric (Mesolithic) layer (i.e. in Contexts 5003/4 and 7012; see Dinnis et al. 2022; 2023).

Context 9003 was a mid-brownish red silty sand present as a pocket (maximum c.45cm in width) restricted to the eastern part of Square 4. It was found within Context 9002, but at its base it gave way to the underlying context (=Context 9005). Context 9003's fine sediment was close to that of the underlying 9005, while the calcite clasts present are more akin to the surrounding 9002 (see Table 3 and below). A lithic artefact from the context is consistent in its condition and techno-typology with early prehistoric material found in the underlying Context 9005, whereas a pot sherd is clearly more recent in age. It is possible that Context 9003 represents a disturbance that has resulted in the mixture of the adjacent Context 9002 and the underlying Context 9005.

Context 9004 was a reddish-brown silty sand found within 9002, and was restricted to the northwestern part of Square 4. It differed from the surrounding 9002 in its hue, the relative looseness of its matrix, and the relative abundance of limestone clasts. Context 9003 contained bone and shell as well as charcoal, which was concentrated especially in the square's northern part.

Underlying the speleothem floor (Context 9002) across the whole excavated area was a dark red-brown clayey sandy silt ("cave earth") (Fig. 8; Fig. 9), containing an early prehistoric archaeological layer. The surface of the context dipped eastwards and particularly northwards, respectively away from the cave wall and towards the cave mouth. The archaeological layer contained bone and shell, as well as a lithic assemblage that includes diagnostic Mesolithic artefacts. Much of the upper part of Context 9005 was characterised by evidence for burning. This was especially evident in the southern facing section of the trench.

Overall, the geological and archaeological makeup of Context 9005 are similar to those of 7012 in Trench 7 (Dinnis & French 2022; Dinnis et al. 2023). More widely, the early prehistoric archaeological layer in Trench 9 likely corresponds to the layer previously identified in Contexts 7012 in Trench 7 and in Contexts 5003 and 5004 in Trench 5, all of which lie under a speleothem floor.

Context 9005 was completely excavated in Square 4 and almost completely excavated in Square 7. Underlying 9005 in both squares is a limestone-clast-heavy deposit. Although this is so far unexcavated, it appears comparable to deposits found previously in Trench 5 (Context 5004a) and Trench 7 (Context 7012) (Dinnis & French 2022; Dinnis et al. 2023), which have been interpreted as the top of the Upper Pleistocene sediments. As for the surface of the overlying 9005, the surface of the lower and hitherto unexcavated context dips away from the cave wall and particularly towards the cave mouth (Fig. 9).

Overall, the 2023 excavation in Trench 9 demonstrates: a) that intact archaeological deposits exist in this area of the cave; b) that a calcium carbonate speleothem floor, similar to that found previously in Trenches 5 and 7 elsewhere in the cave, is present in the area of Trench 9; c) that a sequence of intact early Holocene and Pleistocene deposits comparable to that in Trenches 5 and 7 is also present in the area of Trench 9; and d) that a well-stratified early prehistoric archaeological layer with diagnostic Mesolithic pieces and associated faunal remains, comparable to that found previously in Trenches 5 and 7, is present in the area of Trench 9. Although the presence of Pleistocene deposits was demonstrated, these were unexcavated. Their thickness and their archaeological/palaeontological status therefore remains unknown.

FIGURE 8 – SCREENGRAB OF A 3D MODEL OF TRENCH 9 AT THE END OF EXCAVATION, LOOKING NORTHWARDS, SHOWING THE TRENCH FLOOR AND THE SOUTH-FACING SECTION. SEE ALSO FIGURE 9.

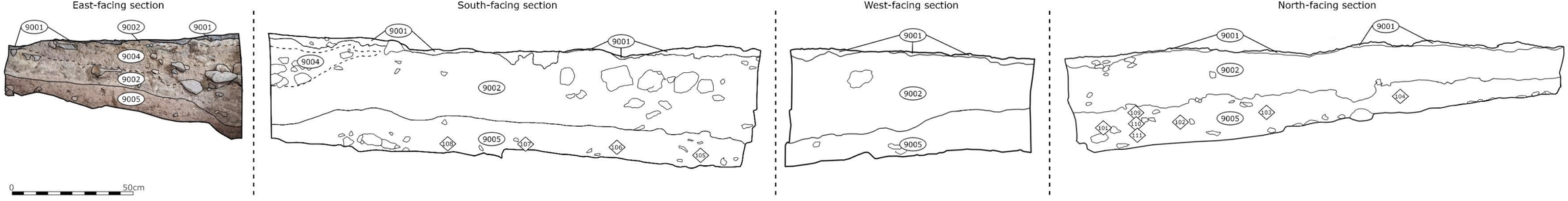

FIGURE 9 – SECTIONS OF TRENCH 9 AT CLOSE OF EXCAVATION, SHOWING CONTEXTS AND SAMPLE LOCATIONS.

TABLE 3 – TRENCH 9, SQUARES 4 AND 7, CONTEXTS AND ARCHAEOLOGICAL CONTENTS. SEE ALSO FIGURE 9.

Context	Context description	Contents	Preliminary interpretation / notes
9001	Brown silty sand on cave floor, c.1-3cm thick.	Shell; bone/microfauna; burnt bone; lithic artefact; glass; metal (including slag); pot fragments; coal/anthracite.	Modern tread equivalent to Contexts 2001, 5001 and 7001 (see Dinnis & French 2022; Dinnis et al. 2023).
9002	Pale reddish-brown gritty sand, with abundant clasts, predominantly calcite pieces of variable size (2-10cm), alongside rare, larger angular limestone pieces. Towards its base, and especially in Square 7, the deposit was usually indurated, sometimes heavily, and whiter. Matrix supported.	Shell; bone/antler/microfauna; glass; lithic artefacts; coal/anthracite; charcoal. WC23 Small Finds 039, 041, 042, 049, 062, 067, 085, 167, 178 & 179.	Equivalent of the calcium carbonate speleothem floor in Trench 5 (Context 5002) and in Trench 7 (Contexts 7008 and 7009) (Dinnis & French 2022; Dinnis et al. 2023).
9003	Mid-brownish red silty sand, becoming greyer towards its base, with small calcite clasts (average 2cm) and uncommon larger (8-12cm) angular limestone clasts. Overall matrix supported. Present as a pocket within Context 9002, although at its base giving way to Context 9005. Restricted to the eastern part of Square 4.	Shell; bone; lithic artefact; pot fragment.	Possible disturbed mixture of Context 9002 and Context 9005.
9004	Reddish-brown silty sand, but more clayey in its upper part, with abundant angular limestone clasts of variable size (1-10cm), and uncommon larger subangular limestone clasts (average 8-10cm). Matrix supported. Found within Context 9002, and present only in the western and northern parts of Square 4 (see Fig. 9), with its greatest thickness being in the square's northwest corner.	Shell; bone/microfauna; charcoal. WC23 Small Finds 019, 027, 029, 033, 034 & 040.	Differed from Context 9002 in terms of colour, and also looser and less indurated. Contained charcoal cluster, collected as Sample 008.
9005	Dark red-brown clayey sandy silt ("cave earth"), matrix supported with uncommon angular limestone clasts (c.3-5 cm) and some concentrations of small (usually c.0.5-1 cm, but some larger) calcite fragments. Completely excavated from Square 4, almost completely excavated from Square 7.	Lithic artefacts; bone/microfauna; burnt lithics/bone; charcoal; shell. WC23 Small Finds 047, 048, 063, 064, 094-096, 101, 102, 112, 113, 115, 116, 150, 180, 186-191, 193, 194, 199-202, 207-209, 217-222, 230-237, 240-243, 245-247, 250-254, 267, 268, 278, 280-283, 298-306, 323-327, 331, 348, 370, 371, 385-390, 401-404, 414-419, 425-436, 452-455, 461-466, 473-476, 479, 486, 502-508, 523, 524 & 533-549.	Equivalent to 7012 (in Trench 7) and 5003 & 5004 (in Trench 5) (Dinnis & French 2022; Dinnis et al. 2023). Especially microfauna-rich at its base. Some channel-like voids present, with some examples noted to penetrate into the underlying (unexcavated) clast-heavy unit (=bioturbation?).

LITTLE WOGAN

An overhang feature in the same rock outcrop but to the east of Wogan Cavern was previously identified as worthy of test excavation (Dinnis 2019). Eastern and western areas underneath the overhang were targeted for future investigation (Fig. 10; Fig. 11). During the June/July 2023 excavations at Wogan Cavern, small-scale testing was undertaken to ascertain the presence and nature of the sediments in these areas, and to establish if they contain archaeological material.

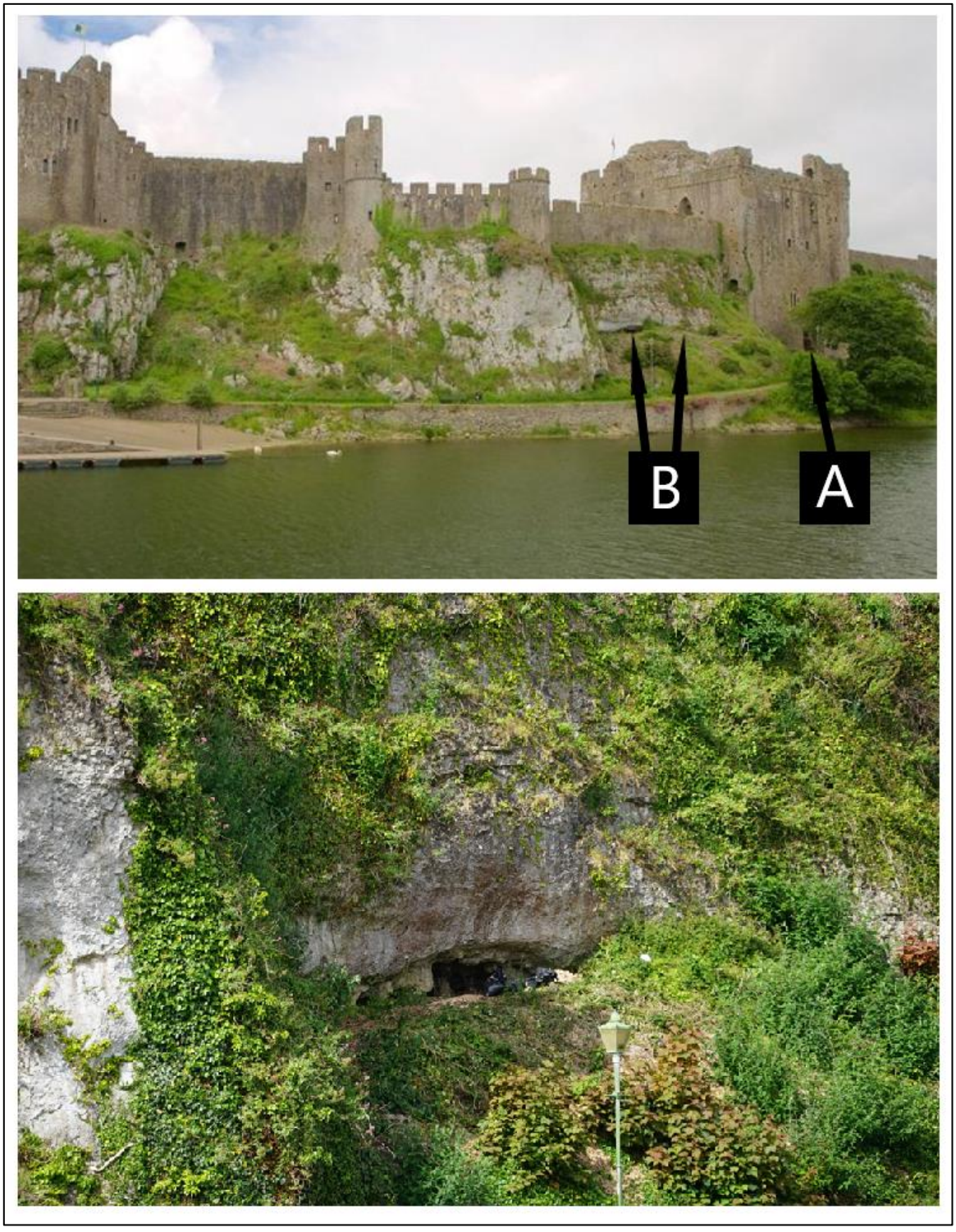

FIGURE 10 – TOP: THE LOCATION OF THE TWO ALCOVES OF LITTLE WOGAN (B) RELATIVE TO WOGAN CAVERN (A); BOTTOM: LITTLE WOGAN BEING WORKED, JULY 2023.

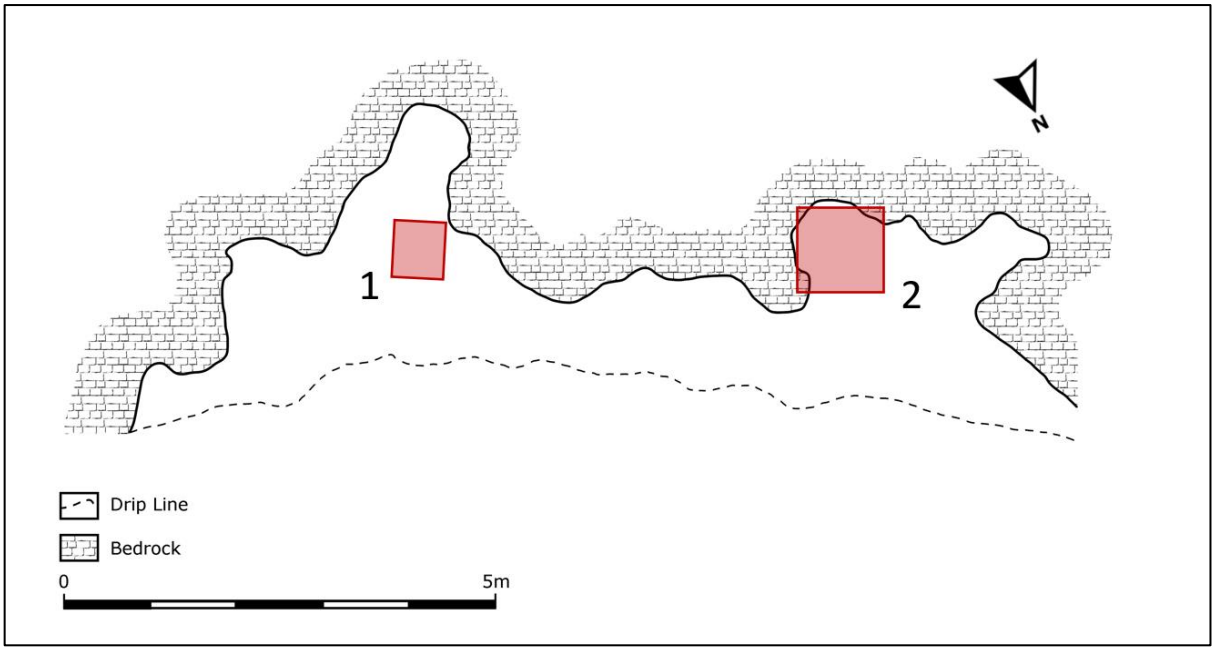

FIGURE 11 – THE POSITION OF TEST PITS 1 AND 2 IN THE TWO ALCOVES OF LITTLE WOGAN.

TEST PIT 1

A 0.6m x 0.7m area in the eastern alcove (Test Pit 1) was excavated to a maximum depth of 12cm (Fig. 12). The sediments encountered are described in Table 4.

TABLE 4 – LITTLE WOGAN, TEST PIT 1, CONTEXTS AND CONTENTS

Context	Context description	Contents
1001	Loose mixture of leaves, roots, clasts of limestone (<1 to >10cm, angular)	Glass, plastic, cans
1002	Dark brown silt with common small subangular limestone fragments (1-2cm). Very loose and unconsolidated.	Glass, ring pulls, plastic, roots, charcoal
1003	Brown silt. Compact and firm with occasional limestone clasts. Incompletely excavated.	N/A
1004	Coarse, clast-supported gravel. Clasts are angular, 3-6cm, and cemented with a carbonate precipitate. Not excavated	N/A
1005	Pale white to yellow-red soft carbonate precipitate silt with small angular limestone fragments (c.3cm). Adhering to southern wall of rock shelter Not excavated	N/A Shells visible within the deposit in some areas

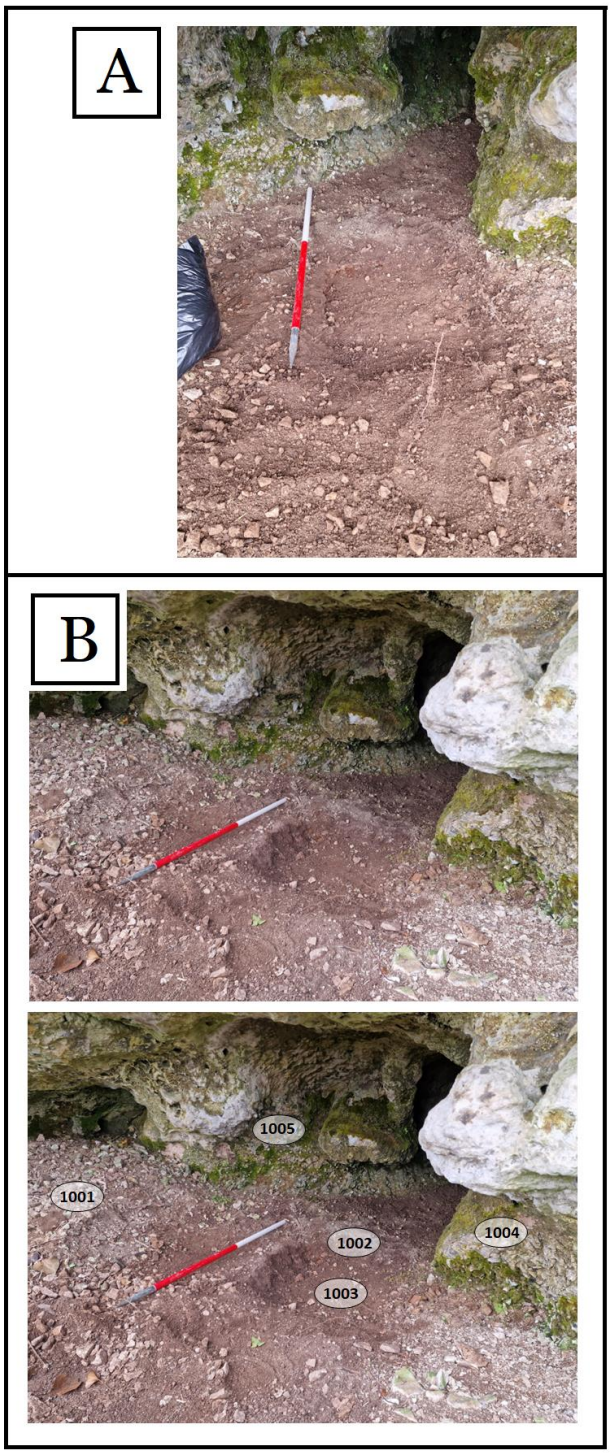

FIGURE 12 – LITTLE WOGAN TEST PIT 1 AT CLOSE OF EXCAVATION: LOOKING SOUTHWEST INTO THE ALCOVE (A); AND LOOKING SOUTH INTO THE ALCOVE (B, TOP), AND SHOWING THE CONTEXTS DETAILED IN TABLE 4 (B, BOTTOM).

Recent surface debris (Context 1001, c.5cm thick) was cleared from the area, with two further contexts (1002 and 1003) then excavated. Context 1002 (c.5cm) was a continuation of the modern debris. Context 1003, a brown silt, contained no finds. Only the surface c.1-2cm of Context 1003 was excavated. The depth of sediments in this area is therefore unknown.

Two different sediments were found adhering to the walls of the rock shelter: a well-cemented breccia at the western end of the pit (Context 1004); and a soft, unconsolidated carbonate silt at the back of the rock shelter (Context 1005). Of note is the presence of molluscs in Context 1005, which demonstrates the palaeoenvironmental potential of the sediments.

Overall, although no archaeological material was recovered, this small sounding demonstrates the presence of sedimentary deposits in this area.

Test Pit 2

A 1m x 1m test pit, Test Pit 2, was opened in the western alcove of Little Wogan. The southernmost extent of the test pit was the back wall of the rock shelter above ground level. The test pit was excavated to a maximum depth of c.45cm below surface level. Table 5 details the deposits encountered in the area of the test pit and archaeological material found. The maximum extent of excavation and contexts encountered are shown in Figure 13. Figure 14 shows the position of plotted finds.

Around 10-15cm of modern debris present across the floor of the rock shelter (Context 2002, see Table 5) was removed from the entire 1m x 1m area. Clearance of this revealed the surface of a pale reddish yellow limestone gravel scree with very little matrix (Context 2003). Subsequent excavation of Context 2003 was restricted to the western half of the 1m x 1m area of Test Pit 2 (see Fig. 13).

Context 2003 contained an early prehistoric archaeological assemblage, comprising lithic artefacts, bone and charcoal pieces. The lithic artefacts are all made from flint, which is patinated. Based on their condition and technology these pieces are likely to be Mesolithic or older. Excavation of the western half of Test Pit 2 continued to a depth of c.45cm below surface level, with Context 2003 incompletely excavated.

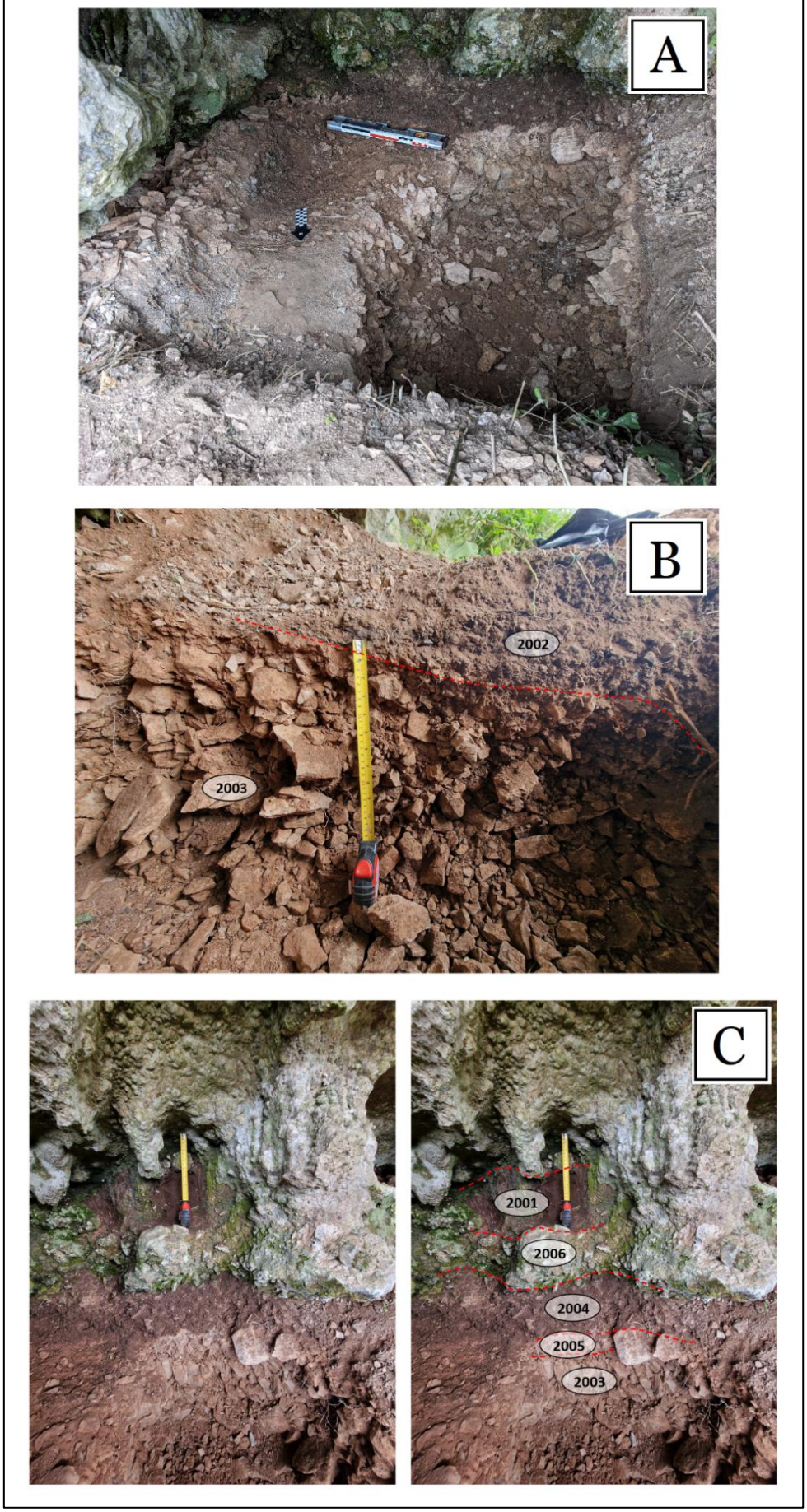

FIGURE 13 - LITTLE WOGAN TEST PIT 2 AT CLOSE OF EXCAVATION: LOOKING SOUTH INTO THE ALCOVE (A); SHOWING CONTEXTS 2002 AND 2003 IN THE EAST-FACING SECTION (B); AND SHOWING THE GEOLOGICAL SEQUENCE AT THE BACK (SOUTHERN PART) OF THE ROCK SHELTER (C). FOR DETAILS OF CONTEXTS SEE TABLE 5.

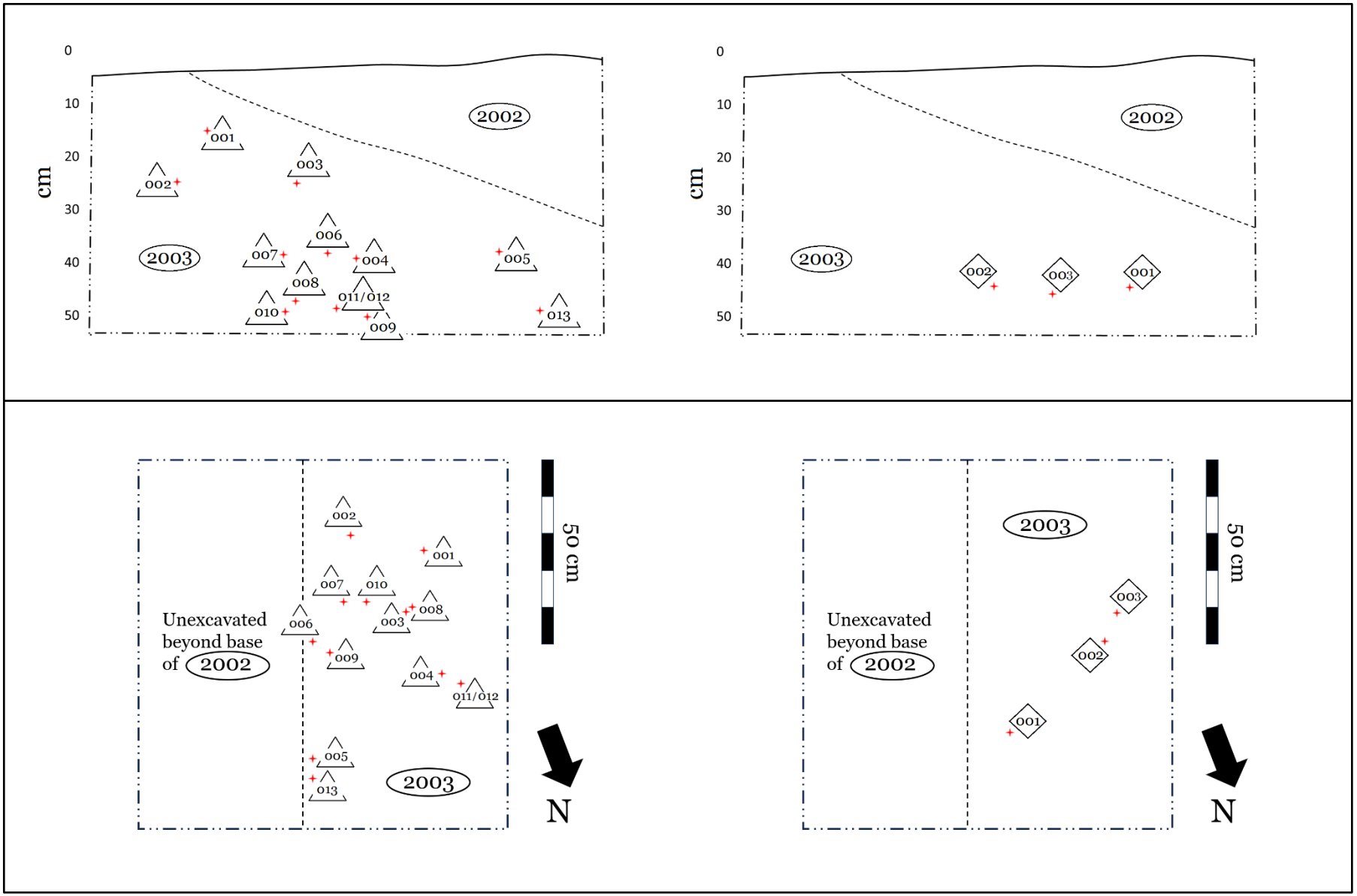

FIGURE 14 – LITTLE WOGAN TEST PIT 2: SCHEMATISED EAST-FACING SECTION (TOP) SHOWING POSITIONS OF PLOTTED LITHIC AND BONE FINDS (LEFT) AND CHARCOAL (RIGHT), AND SCHEMATISED PLAN (BOTTOM), SHOWING POSITIONS OF PLOTTED LITHIC AND BONE FINDS (LEFT) AND CHARCOAL (RIGHT). NOTE: FINDS LOCATIONS ARE MARKED BY THE RED CROSSES. FOR DETAILS OF CONTEXTS SEE TABLE 5.

TABLE 5 – LITTLE WOGAN, TEST PIT 2, CONTEXTS AND ARCHAEOLOGICAL CONTENTS

Context	Context description	Contents / interpretation
2001	Compact and firm dark brown clay-silt. Occasional very small (<0.5cm) limestone clasts, which become more common towards the context's base. Only present as remnant against the back wall of rock shelter.	Common land snails present, as well as oyster shell. Truncated topsoil.
2002	Pale brown silt with common angular limestone fragments, c.2cm to >10cm. Loose and unconsolidated. Not present against the back wall of rock shelter.	Glass, wood, metal can. Modern dumping.
2003	Pale reddish yellow limestone gravel. Clast-supported, with clasts from <2cm to >10cm, angular in shape. Often broken and shattered in place. In places voids are not filled with matrix, elsewhere silt matrix present.	Worked flint (patinated) and charcoal fragments. Scree.
2004	Dark brown slightly sandy clay-silt matrix to limestone gravels. Limestone fragments 2-6cm.	Rubbly topsoil.
2005	Pale pinkish yellow carbonate deposit in top 3-4cm of Context 2003, found towards the back of the rock shelter. Loose, granular texture with small 1-2mm fragments of carbonate. Soft and unconsolidated.	Calcium carbonate speleothem formation impregnating top of scree (i.e. Context 2003).
2006	Pale yellow to whiteish yellow calcite cemented breccia. Angular limestone fragments 1-6cm in size. Forms patches on cave wall.	Ancient cave breccia.

On the back wall of the rock shelter, exposed in the back of the test pit, a more complete sequence of deposits was seen, some of which were truncated and only adhered to the wall of the rock shelter (Fig. 13). This sequence consisted of an upper clean-soil-like horizon (Context 2001) overlying a more rubble rich layer of similar consistency (Context 2004), both of which are geologically recent deposits. Against the wall, an ancient and well-cemented breccia (Context 2006) adhering to the back wall of the shelter divides these two units (Fig. 13), but this is stratigraphically older than both the overlying Context 2001 and the underlying Context 2004.

SUMMARY

Overall, the small-scale test-pitting at Little Wogan demonstrated: a) the presence of a sequence of sedimentary deposits; b) that stratified scree deposits containing prehistoric archaeological remains exist in the western alcove; and c) that older sediments are present in the vicinity of the tested deposits, in the form of remnants adhering to the walls of the rock shelter. The sedimentary sequences were not bottomed in either alcove, and so their thickness remains unknown.

Conclusions

Fieldwork at Wogan Cavern in 2021 and 2022 led to its recognition as a nationally important early prehistoric site. Areas of intact sediment – undisturbed during the reported antiquarian exploration of the cave – were shown to contain evidence for different phases of early prehistoric activity, namely a layer containing diagnostic Mesolithic artefacts, and one and possibly two Upper Palaeolithic layers that bear similarity with the historical collection from Paviland Cave.

Work in summer 2023 further confirmed the value of Wogan Cavern as an early prehistoric site. Pleistocene sediments in the eastern part of the cave were further tested, and have been shown to exist to a depth of at least 1.6m below current floor level. The lower part of the excavated sequence contains a rich archaeological layer. The lithic assemblage from this layer includes artefacts that further confirm a cultural link with Paviland Cave. Furthermore, excavation in a previously untested area of the western part of the cave confirmed the presence of the intact Mesolithic layer, and of underlying Pleistocene sediments. Lastly, a small sounding in the centre of the cave, close to an area that in 2022 was shown to be formed of intact early Holocene and Pleistocene sedimentary deposits, revealed extensive disturbance from the recent historical period. Contained within these disturbed deposits were hippopotamus remains, indicating that Wogan Cavern preserves fossiliferous sediments older than those previously encountered.

In addition to the continued work in Wogan Cavern, small soundings beneath a long, low overhang feature in the same limestone outcrop as Wogan Cavern – named here "Little Wogan" – confirmed the presence of sedimentary deposits. Those in the western alcove were shown to be archaeological, with recovery of an early prehistoric lithic assemblage.

Plans for fieldwork, 2023 and 2024

The test phase of fieldwork at Wogan Cavern will continue in 2023 and 2024. Work in October 2023 will entail further excavation of Trench 8, in order to better understand the extent of the recent historical disturbance identified during the June/July 2023 work. It is hoped that excavation in summer 2024 will then focus on intact deposits, with the particular aim of accessing and greater sampling of intact Pleistocene sediments. Funding for this work has already been secured.

Acknowledgements

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REFERENCES

Campbell, J.B. 1977. *The Upper Palaeolithic of Britain. A Study of Man and Nature in the Late Ice Age*. Oxford: Clarendon Press.

Currant, A.P. & Jacobi, R. 2011. The Mammal Faunas of the British Late Pleistocene. In Ashton, N.M., Lewis, S.G. and Stringer, C.B. (eds), *The Ancient Human Occupation of Britain*, pp.165–180. Amsterdam: Elsevier.

Dinnis, R. 2019. *Project design for test excavations at Wogan Cavern and adjacent unnamed cave*. Document prepared for Cadw, October 2019.

Dinnis, R. & French, J. 2021. *Interim Report on Test Excavations at Wogan Cavern (Pembroke, Pembrokeshire): 2021 season*. Document prepared for Cadw, December 2021.

Dinnis, R. & French, J. 2022. *Interim Report on Test Excavations at Wogan Cavern (Pembroke, Pembrokeshire): 2022 season*. Document prepared for Cadw, December 2022.

Dinnis, R., Pate, A. & Reynolds, N. 2016. Mid-to-Late Marine Isotope Stage 3 mammal faunas of Britain: a new look. *Proceedings of the Geologists' Association* 127: 435–444.

Dinnis, R., Boulton, J., French, J.C., Buckley, M., Davies, J., Hervé, M., Howells, S. Jimenez, E.-L., Ludlow, N., Masson-MacLean, E., Mogg, J., Pickard, C., Walker, E.A., Williams, D., Chamberlain, A.T. & Stringer, C. 2022. The archaeological potential of Wogan Cavern (Pembroke, UK): results of the first fieldwork season. *Cave and Karst Science* 49(2): 65-72.

Dinnis, R., Boulton, J., Bates, M., Chamberlain, A.T., Davies, J., Hopkins, R., Jimenez, E.-L., Masson-MacLean, E., Mogg, J., Parfitt, S., Payne, N., Pickard, C., Stringer, C., Walker, E.A., Williams, D. & French, J.C. 2023. Report on the 2022 excavations at Wogan Cavern (Pembroke, Pembrokeshire, UK). *Cave and Karst Science* 50(2): 83-91.

Dixon, E.E.L. 1921. *Geology of the South Wales Coalfield, Part XIII, the country around Pembroke and Tenby*. Memoir of the Geological Survey, Sheets 244 and 245 (England and Wales).

Gunn, J., Chamberlain, A.T., Howells, S. & Dinnis, R. 2022. Wogan Cavern (Pembroke, Pembrokeshire, UK): a possible hypogenic void. *Cave and Karst Science* 49: 73–75.

King, D.J.C. 1978. Pembroke Castle. *Archaeologia Cambrensis* 127: 75-121.

Swainston, S. 2000. The lithic artefacts from Paviland. In Aldhouse-Green, S.H. (ed.), *Paviland Cave and the "Red Lady": a definitive report*, pp. 95–113. Bristol: Western Academic and Specialist Press.

APPENDIX 1: CATALOGUE OF ALL MATERIAL COLLECTED

Below is a catalogue of material recovered during the summer 2023 excavations at Wogan Cavern (WC23) and Little Wogan (LW23). Note that some of the ID's are the original field descriptions, and therefore not all are accurate. Also note that the catalogue is complete as of 30th August 2023, but does not include some material from the wet sieve residues currently being processed.

Site Code	Trench/ Test Pit	Square	Context	Spit	Date excavated	Material (as on bag, not verified)	SF no.	Sample no.	Photo
LW23	2	N/A	2003	4	05/07/23	Charcoal	N/A	1	IMG_6350
LW23	2	N/A	2003	4	05/07/23	Charcoal	N/A	2	IMG_6351
LW23	2	N/A	2003	4	05/07/23	Charcoal	N/A	3	IMG_6352
LW23	2	N/A	2003	2	04/07/23	Lithic	1	N/A	IMG_6353
LW23	2	N/A	2003	3	04/07/23	Lithic	2	N/A	IMG_6354
LW23	2	N/A	2003	3	04/07/23	Lithic	3	N/A	IMG_6355
LW23	2	N/A	2003	3	05/07/23	Lithic	4	N/A	IMG_6356
LW23	2	N/A	2003	3	05/07/23	Lithic	5	N/A	IMG_6357
LW23	2	N/A	2003	3	05/07/23	Lithic	6	N/A	IMG_6358
LW23	2	N/A	2003	3	05/07/23	Lithic	7	N/A	IMG_6359
LW23	2	N/A	2003	4	05/07/23	Lithic	8	N/A	IMG_6360
LW23	2	N/A	2003	4	05/07/23	Lithic	9	N/A	IMG_6361
LW23	2	N/A	2003	4	05/07/23	Lithic	10	N/A	IMG_6362
LW23	2	N/A	2003	4	05/07/23	Lithic	11	N/A	IMG_6363
LW23	2	N/A	2003	4	05/07/23	?Lithic	12	N/A	IMG_6364
LW23	2	N/A	2003	4	05/07/23	Lithic	13	N/A	IMG_6365
LW23	1	N/A	1002	1	03/07/23	Misc	N/A	N/A	IMG_6366
LW23	1	N/A	1005	N/A	04/07/23	Mineral	N/A	N/A	IMG_6367
LW23	2	N/A	2001	1	03/07/23	Bone	N/A	N/A	IMG_6368
LW23	2	N/A	2002	Cleaning	04/07/23	Bone	N/A	N/A	IMG_6369

Site Code	Trench/ Test Pit	Square	Context	Spit	Date excavated	Material (as on bag, not verified)	SF no.	Sample no.	Photo
LW23	2	N/A	2003	1	N.D.	Mineral	N/A	N/A	IMG_6370
LW23	2	N/A	2003	1	04/07/23	Shell	N/A	N/A	IMG_6371
LW23	2	N/A	2003	1	04/07/23	Glass	N/A	N/A	IMG_6372
LW23	2	N/A	2003	1	04/07/23	Bone	N/A	N/A	IMG_6373
LW23	2	N/A	2003	3	05/07/23	Bone	N/A	N/A	IMG_6374
LW23	2	N/A	2003	4, Cleaning	05/07/23	Shell	N/A	N/A	IMG_6375
LW23	2	N/A	2003	3	04/07/23	Lithic	N/A	N/A	IMG_6376
LW23	2	N/A	2003	3	05/07/23	Lithic	N/A	N/A	IMG_6377
LW23	2	N/A	2003	4, Cleaning	05/07/23	Lithic	N/A	N/A	IMG_6378
LW23	2	N/A	2003	4	05/07/23	Lithic	N/A	N/A	IMG_6379
LW23	2	N/A	2003	4	05/07/23	Lithic	N/A	N/A	IMG_6380
LW23	2	N/A	2003	4	05/07/23	Lithic	N/A	N/A	IMG_6381
WC23	8	4	8001	1	20/06/23	Shell	N/A	N/A	IMG_6382
WC23	8	4	8002	1	21/06/23	Shell	N/A	N/A	IMG_6383
WC23	8	4	8003	1	21/06/23	Shell	N/A	N/A	IMG_6384
WC23	8	4	8003	2	22/06/23	Shell	N/A	N/A	IMG_6385
WC23	8	4	8003	3	22/06/23	Shell	N/A	N/A	IMG_6386
WC23	8	4	8003	4	22/06/23	Shell	N/A	N/A	IMG_6387
WC23	8	4	8003	4	22/06/23	Lithic	N/A	N/A	IMG_6388
WC23	8	4	8004	1	23/06/23	Shell	N/A	N/A	IMG_6389
WC23	8	4	8005	1	22/06/23	Shell	N/A	N/A	IMG_6390
WC23	8	4	8005	2	22/06/23	Shell	N/A	N/A	IMG_6391
WC23	8	4	8007	1	23/06/23	Shell	N/A	N/A	IMG_6392
WC23	8	4	8007	2	24/06/23	Shell	N/A	N/A	IMG_6393
WC23	8	4	8007	2	26/06/23	Shell	N/A	N/A	IMG_6394
WC23	8	4	8007	3	26/06/23	Shell	N/A	N/A	IMG_6395
WC23	8	4	8007	4	26/06/23	Shell	N/A	N/A	IMG_6396
WC23	8	4	8007	5	27/06/23	Shell	N/A	N/A	IMG_6397
WC23	8	4	8008	1	28/06/23	Shell	N/A	N/A	IMG_6398

Site Code	Trench/ Test Pit	Square	Context	Spit	Date excavated	Material (as on bag, not verified)	SF no.	Sample no.	Photo
WC23	8	4	8008	1	27/06/23	Shell	N/A	N/A	IMG_6399
WC23	8	4	8009	1	29/06/23	Shell	N/A	N/A	IMG_6400
WC23	8	4	8009	1	28/06/23	Shell	N/A	N/A	IMG_6401
WC23	8	4	8010	1	01/07/23	Shell	N/A	N/A	IMG_6402
WC23	8	4	8003	1	21/06/23	Mineral	N/A	N/A	IMG_6405
WC23	8	4	8005	2	22/06/23	Mineral	N/A	N/A	IMG_6406
WC23	8	4	8004	1	23/06/23	Mineral	N/A	N/A	IMG_6407
WC23	8	4	8007	2	24/06/23	Mineral	N/A	N/A	IMG_6408
WC23	8	4	8007	2	26/06/23	Mineral	N/A	N/A	IMG_6409
WC23	8	4	8007	3	26/06/23	Mineral	N/A	N/A	IMG_6410
WC23	8	4	8007	4	26/06/23	Mineral	N/A	N/A	IMG_6411
WC23	8	4	8007	5	27/06/23	Mineral	N/A	N/A	IMG_6412
WC23	8	4	8008	1	27/06/23	Mineral	N/A	N/A	IMG_6413
WC23	8	4	8008	1	28/06/23	Mineral	N/A	N/A	IMG_6414
WC23	8	4	8009	1	28/06/23	Mineral	N/A	N/A	IMG_6415
WC23	8	4	8009	1	29/06/23	Mineral	N/A	N/A	IMG_6416
WC23	8	4	8010	1	01/07/23	Mineral	N/A	N/A	IMG_6417
WC23	8	4	8001	1	20/06/23	Bone	N/A	N/A	IMG_6418
WC23	8	4	8002	1	21/06/23	Bone	N/A	N/A	IMG_6419
WC23	8	4	8003	1	21/06/23	Bone	N/A	N/A	IMG_6420
WC23	8	4	8003	1	21/06 / 23/06	Bone	N/A	N/A	IMG_6421
WC23	8	4	8003	1	21/06 / 23/06	?Burnt bone	N/A	N/A	IMG_6422
WC23	8	4	8003	1	21/06 / 23/06	Tooth	N/A	N/A	IMG_6423
WC23	8	4	8003	1	21/06/23	Tooth	N/A	N/A	IMG_6424
WC23	8	4	8003	2	22/06/23	Burnt bone	N/A	N/A	IMG_6425
WC23	8	4	8003	2	22/06/23	Bone	N/A	N/A	IMG_6426
WC23	8	4	8003	3	22/06/23	Bone	N/A	N/A	IMG_6427
WC23	8	4	8003	4	22/06/23	Bone	N/A	N/A	IMG_6428
WC23	8	4	8004	1	23/06/23	?Ivory	N/A	N/A	IMG_6429

Site Code	Trench/ Test Pit	Square	Context	Spit	Date excavated	Material (as on bag, not verified)	SF no.	Sample no.	Photo
WC23	8	4	8004	1	23/06/23	Bone	N/A	N/A	IMG_6430
WC23	8	4	8005	1	22/06/23	Bone	N/A	N/A	IMG_6431
WC23	8	4	8005	2	22/06/23	Bone	N/A	N/A	IMG_6432
WC23	8	4	8008	1	27/06/23	Bone	N/A	N/A	IMG_6433
WC23	8	4	8007	1	23/06/23	Bone	N/A	N/A	IMG_6434
WC23	8	4	8007	2	24/06/23	Bone	N/A	N/A	IMG_6436
WC23	8	4	8007	2	26/06/23	Bone	N/A	N/A	IMG_6437
WC23	8	4	8007	3	26/06/23	Teeth	N/A	N/A	IMG_6438
WC23	8	4	8007	3	26/06/23	Bone	N/A	N/A	IMG_6439
WC23	8	4	8007	3	26/06/23	?Burnt bone	N/A	N/A	IMG_6440
WC23	8	4	8007	3	26/06/23	Bone	N/A	N/A	IMG_6441
WC23	8	4	8007	4	26/06/23	Bone	N/A	N/A	IMG_6442
WC23	8	4	8007	4	27/06/23	Bone	N/A	N/A	IMG_6443
WC23	8	4	8008	1	28/06/23	?Burnt bone	N/A	N/A	IMG_6444
WC23	8	4	8008	1	28/06/23	Bone	N/A	N/A	IMG_6445
WC23	8	4	8008	1	28/06/23	Tooth	N/A	N/A	IMG_6446
WC23	8	4	8009	1	28/06/23	Bone	N/A	N/A	IMG_6447
WC23	8	4	8009	1	29/06/23	Charcoal	N/A	N/A	IMG_6448
WC23	8	4	8009	1	29/06/23	Teeth	N/A	N/A	IMG_6449
WC23	8	4	8009	1	29/06/23	Bone	N/A	N/A	IMG_6450
WC23	8	4	8009	1	29/06/23	Burnt bone	N/A	N/A	IMG_6451
WC23	8	4	8010	1	01/07/23	Charcoal	N/A	N/A	IMG_6452
WC23	8	4	8010	1	01/07/23	Burnt bone	N/A	N/A	IMG_6453
WC23	8	4	8010	1	01/07/23	Bone	N/A	N/A	IMG_6454
WC23	8	4	8010	1	01/07/23	Teeth	N/A	N/A	IMG_6455
WC23	8	4	Cleaning	Cleaning	10/07/23	Bone (cutmarks)	N/A	N/A	IMG_6456
WC23	8	4	8001	1	20/06/23	Lithic	N/A	N/A	IMG_6457
WC23	8	4	8003	2	22/06/23	Lithic	N/A	N/A	IMG_6458
WC23	8	4	8003	1	21/06 / 23/06	Lithic	N/A	N/A	IMG_6459

Site Code	Trench/ Test Pit	Square	Context	Spit	Date excavated	Material (as on bag, not verified)	SF no.	Sample no.	Photo
WC23	8	4	8004	1	23/06/23	Lithic	N/A	N/A	IMG_6460
WC23	8	4	8009	1	29/06/23	?Lithic	N/A	N/A	IMG_6461
WC23	8	4	8010	1	01/07/23	Lithic	N/A	N/A	IMG_6462
WC23	8	4	Cleaning	Cleaning	10/07/23	Lithic	N/A	N/A	IMG_6463
WC23	8	4	8001	1	20/06/23	Plastic	N/A	N/A	IMG_6464
WC23	8	4	8003	1	22/06/23	Clay pipe	N/A	N/A	IMG_6465
WC23	8	4	8005	2	22/06/23	Clay pipe	N/A	N/A	IMG_6466
WC23	8	4	8007	3	26/06/23	Clay pipe	N/A	N/A	IMG_6467
WC23	8	4	8007	5	27/06/23	Clay pipe	N/A	N/A	IMG_6468
WC23	8	4	8007	3	26/06/23	Clay pipe	N/A	N/A	IMG_6469
WC23	8	4	8008	1	27/06/23	Clay pipe	N/A	N/A	IMG_6470
WC23	8	4	8001	1	20/06/23	Glass	N/A	N/A	IMG_6471
WC23	8	4	8002	1	21/06/23	Glass	N/A	N/A	IMG_6472
WC23	8	4	8003	1	21/06/23	Glass	N/A	N/A	IMG_6473
WC23	8	4	8004	1	23/06/23	Glass	N/A	N/A	IMG_6474
WC23	8	4	8007	2	26/06/23	Glass	N/A	N/A	IMG_6475
WC23	8	4	8007	3	26/06/23	Glass	N/A	N/A	IMG_6476
WC23	8	4	8008	1	27/06/23	Glass	N/A	N/A	IMG_6477
WC23	8	4	8003	1	21/06/23	Metal	N/A	N/A	IMG_6478
WC23	8	4	8007	2	26/06/23	Metal	N/A	N/A	IMG_6479
WC23	8	4	8008	1	27/06/23	Metal	N/A	N/A	IMG_6480
WC23	8	4	8008	1	28/06/23	Metal	N/A	N/A	IMG_6481
WC23	8	4	8009	1	28/06/23	Metal	N/A	N/A	IMG_6482
WC23	8	4	Cleaning	Cleaning	10/07/23	Shell	N/A	N/A	IMG_6483
WC23	8	4	8007	2	26/06/23	Tooth	N/A	N/A	IMG_6484
WC23	8	4	8001	1	20/06/23	Microfauna	N/A	N/A	IMG_6485
WC23	8	4	8003	1	21/06 / 23/06	Microfauna	N/A	N/A	IMG_6486
WC23	8	4	8003	1	21/06/23	Microfauna	N/A	N/A	IMG_6487
WC23	8	4	8004	1	23/06/23	Microfauna	N/A	N/A	IMG_6488

Site Code	Trench/ Test Pit	Square	Context	Spit	Date excavated	Material (as on bag, not verified)	SF no.	Sample no.	Photo
WC23	8	4	8007	1	23/06/23	Microfauna	N/A	N/A	IMG_6489
WC23	8	4	8007	2	24/06/23	Microfauna	N/A	N/A	IMG_6490
WC23	8	4	8007	2	26/06/23	Microfauna	N/A	N/A	IMG_6491
WC23	8	4	8007	3	26/06/23	Microfauna	N/A	N/A	IMG_6492
WC23	8	4	8008	1	28/06/23	Microfauna	N/A	N/A	IMG_6493
WC23	8	4	8009	1	29/06/23	Microfauna	N/A	N/A	IMG_6494
WC23	8	4	8009	1	28/06/23	Microfauna	N/A	N/A	IMG_6495
WC23	8	4	8010	1	01/07/23	Microfauna	N/A	N/A	IMG_6496
WC23	8	4	8010	1	01/07/23	?Fish scales	N/A	N/A	IMG_6497
WC23	8	4	8008	1	27/06/23	Misc	N/A	N/A	IMG_6498
WC23	8	4	8010	1	01/07/23	Mineral	N/A	N/A	IMG_6499
WC23	8	4	8001	1	20/06/23	Misc	N/A	N/A	IMG_6500
WC23	8	4	8003	1	21/06 / 23/06	Mineral	N/A	N/A	IMG_6501
WC23	8	4	8003	1	21/06 / 23/06	Charcoal	N/A	N/A	IMG_6502
WC23	8	4	8003	3	22/06/23	Pottery	N/A	N/A	IMG_6503
WC23	8	4	8007	3	26/06/23	Ceramic	N/A	N/A	IMG_6504
WC23	8	4	8007	4	26/06/23	Pottery	N/A	N/A	IMG_6505
WC23	8	4	8008	1	27/06/23	?Pottery	N/A	N/A	IMG_6506
WC23	8	4	8008	1	28/06/23	Pottery	N/A	N/A	IMG_6507
WC23	8	4	8010	1	01/07/23	Pottery	N/A	N/A	IMG_6508
WC23	8	4	8004	2	23/06/23	Shell	N/A	N/A	IMG_6510
WC23	8	4	8006	1	23/06/23	Shell	N/A	N/A	IMG_6511
WC23	8	4	8006	1	23/06/23	Lithic	N/A	N/A	IMG_6512
WC23	8	4	8004	2	23/06/23	Lithic	N/A	N/A	IMG_6513
WC23	8	4	8006	1	23/06/23	Glass	N/A	N/A	IMG_6514
WC23	8	4	8004	2	23/06/23	Pottery	N/A	N/A	IMG_6515
WC23	8	4	8004	2	23/06/23	Bone	N/A	N/A	IMG_6516
WC23	8	4	8006	1	23/06/23	Bone & Teeth	N/A	N/A	IMG_6517
WC23	8	4	8006	1	23/06/23	Microfauna	N/A	N/A	IMG_6518

Site Code	Trench/ Test Pit	Square	Context	Spit	Date excavated	Material (as on bag, not verified)	SF no.	Sample no.	Photo
WC23	8	4	8004	2	23/06/23	Mineral	N/A	N/A	IMG_6519
WC23	8	4	8006	1	23/06/23	Mineral	N/A	N/A	IMG_6520
WC23	9	4	9001	1	20/06/23	Burnt bone	N/A	N/A	IMG_6521
WC23	9	4	9001	1	20/06/23	Bone	N/A	N/A	IMG_6522
WC23	9	4	9002	1	21/06/23	Bone & Teeth	N/A	N/A	IMG_6523
WC23	9	4	9002	1	27/06/23	Bone	N/A	N/A	IMG_6524
WC23	9	4	9002	1	27/06/23	Burnt bone	N/A	N/A	IMG_6525
WC23	9	4	9002	2	24/06/23	Bone	N/A	N/A	IMG_6526
WC23	9	4	9002	3	24/06/23	Bone	N/A	N/A	IMG_6527
WC23	9	4	9002	3	26/06/23	Bone	N/A	N/A	IMG_6528
WC23	9	4	9003	1	27/06/23	Bone	N/A	N/A	IMG_6529
WC23	9	4	9004	1	27/06/23	Bone	N/A	N/A	IMG_6530
WC23	9	4	9004	1	21/06/23	Bone	N/A	N/A	IMG_6531
WC23	9	4	9004	2	22/06/23	Bone	N/A	N/A	IMG_6532
WC23	9	4	9005	1	26/06/23	Bone	N/A	N/A	IMG_6533
WC23	9	4	9005	1	28/06/23	Bone	N/A	N/A	IMG_6534
WC23	9	4	9005	2	29/06/23	Microfauna	N/A	N/A	IMG_6535
WC23	9	4	9005	2	29/06/23	Bone	N/A	N/A	IMG_6536
WC23	9	4	9005	2	26/06/23	Bone	N/A	N/A	IMG_6555
WC23	9	4	9005	2	28/06/23	Bone	N/A	N/A	IMG_6556
WC23	9	4	9005	3	05/07/23	Bone & Teeth	N/A	N/A	IMG_6557
WC23	9	4	9005	4	06/07/23	Bone & Teeth	N/A	N/A	IMG_6558
WC23	9	4 & 7	9005	1 (Sq.7) & 3 (Sq. 4)	04/07/23	Bone	N/A	N/A	IMG_6559
WC23	9	7	9001	1	29/06/23	Bone & Teeth	N/A	N/A	IMG_6560
WC23	9	7	9005	2	07/07/23	Bone (& Tooth?)	N/A	N/A	IMG_6561
WC23	9	7	9005	3	07/07/23	Bone	N/A	N/A	IMG_6562
WC23	9	7	9002	1	30/06/23	Bone	N/A	N/A	IMG_6563
WC23	9	7	9002	2	30/06/23	Bone	N/A	N/A	IMG_6564

Site Code	Trench/ Test Pit	Square	Context	Spit	Date excavated	Material (as on bag, not verified)	SF no.	Sample no.	Photo
WC23	9	7	9002	2	03/07/23	Bone	N/A	N/A	IMG_6565
WC23	9	7	9002 (Cleaning N section)	2	04/07/23	Bone	N/A	N/A	IMG_6566
WC23	9	7	9005	3	08/07/23	Bone	N/A	N/A	IMG_6567
WC23	9	7	9005	1	03/07/23	Bone	N/A	N/A	IMG_6568
WC23	9	7	9005	1	04/07/23	Bone	N/A	N/A	IMG_6569
WC23	9	7	9005	2	06/07/23	Bone	N/A	N/A	IMG_6570
WC23	9	7	9005	2	07/07/23	Bone	N/A	N/A	IMG_6571
WC23	9	7	9005	3	07/07/23	Bone	N/A	N/A	IMG_6572
WC23	9	4	9001	1	20/06/23	Microfauna	N/A	N/A	IMG_6573
WC23	9	4	9002	1	20/06/23	Microfauna	N/A	N/A	IMG_6574
WC23	9	4	9002	1	21/06/23	Microfauna	N/A	N/A	IMG_6575
WC23	9	4	9002	1	27/06/23	Microfauna	N/A	N/A	IMG_6576
WC23	9	4	9002	2	21/06/23	Microfauna	N/A	N/A	IMG_6577
WC23	9	4	9002	2	24/06/23	Microfauna	N/A	N/A	IMG_6578
WC23	9	4	9002	3	24/06/23	Microfauna	N/A	N/A	IMG_6579
WC23	9	4	9004	1	21/06/23	Microfauna	N/A	N/A	IMG_6580
WC23	9	4	9004	2	22/06/23	Microfauna	N/A	N/A	IMG_6581
WC23	9	4	9004	1	27/06/23	Microfauna	N/A	N/A	IMG_6582
WC23	9	4	9005	1	26/06/23	Microfauna	N/A	N/A	IMG_6583
WC23	9	4	9005	1	27/06/23	Microfauna	N/A	N/A	IMG_6584
WC23	9	4	9005	1	28/06/23	Microfauna	N/A	N/A	IMG_6585
WC23	9	4	9005 (cleaning)	1	28/06/23	Microfauna	N/A	N/A	IMG_6586
WC23	9	4	9005	2	26/06/23	Microfauna	N/A	N/A	IMG_6587
WC23	9	4	9005	2	28/06/23	Microfauna	N/A	N/A	IMG_6588
WC23	9	4	9005	3	05/07/23	Microfauna	N/A	N/A	IMG_6589
WC23	9	4	9005	4	06/07/23	Microfauna	N/A	N/A	IMG_6590
WC23	9	7	9001	1	29/06/23	Microfauna	N/A	N/A	IMG_6591

Site Code	Trench/ Test Pit	Square	Context	Spit	Date excavated	Material (as on bag, not verified)	SF no.	Sample no.	Photo
WC23	9	7	9002	1	30/06/23	Microfauna	N/A	N/A	IMG_6592
WC23	9	7	9002	2	30/06/23	Microfauna	N/A	N/A	IMG_6593
WC23	9	7	9002	2	01/07/23	Microfauna	N/A	N/A	IMG_6594
WC23	9	7	9002	2	03/07/23	Microfauna	N/A	N/A	IMG_6595
WC23	9	7	9005	1	03/07/23	Microfauna	N/A	N/A	IMG_6596
WC23	9	7	9005	1	04/07/23	Microfauna	N/A	N/A	IMG_6597
WC23	9	7	9005	2	06/07/23	Microfauna	N/A	N/A	IMG_6598
WC23	9	7	9005	2	07/07/23	Microfauna	N/A	N/A	IMG_6599
WC23	9	7	9005	3	07/07/23	Microfauna	N/A	N/A	IMG_6600
WC23	9	7	9005	3	08/07/23	Microfauna	N/A	N/A	IMG_6601
WC23	9	4 & 7	9005	1 (Sq.7) & 3 (Sq. 4)	04/07/23	Microfauna	N/A	N/A	IMG_6602
WC23	9	4	9001	1	19/06/23	Glass	N/A	N/A	IMG_6603
WC23	9	4	9001	1	20/06/23	Glass	N/A	N/A	IMG_6604
WC23	9	7	9001	1	29/06/23	Glass	N/A	N/A	IMG_6605
WC23	9	4	9002	1	21/06/23	Glass	N/A	N/A	IMG_6606
WC23	9	7	9002	2	01/07/23	Glass	N/A	N/A	IMG_6607
WC23	9	4	9001	1	19/06/23	Metal	N/A	N/A	IMG_6608
WC23	9	4	9005	3	05/07/23	Burnt bone	N/A	N/A	IMG_6609
WC23	9	4	9001	1	29/06/23	Ceramic/Pottery	N/A	N/A	IMG_6610
WC23	9	4	9001	1	20/06/23	Ceramic	N/A	N/A	IMG_6611
WC23	9	4	9003	1	27/06/23	Pottery	N/A	N/A	IMG_6612
WC23	9	7	9001	1	29/06/23	Lithic	N/A	N/A	IMG_6613
WC23	9	4	9002	1	21/06/23	Flint	N/A	N/A	IMG_6614
WC23	9	4	9002	1	27/06/23	Lithic	N/A	N/A	IMG_6615
WC23	9	7	9002	1	30/06/23	Lithic	N/A	N/A	IMG_6616
WC23	9	7	9002	2	03/07/23	Lithic	N/A	N/A	IMG_6617
WC23	9	4	9003	1	27/06/23	Lithic	N/A	N/A	IMG_6618
WC23	9	4	9005	3	05/07/23	Lithic	N/A	N/A	IMG_6619

Site Code	Trench/ Test Pit	Square	Context	Spit	Date excavated	Material (as on bag, not verified)	SF no.	Sample no.	Photo
WC23	9	4	9005	1	26/06/23	Lithic (burnt?)	N/A	N/A	IMG_6620
WC23	9	7	9005	1	03/07/23	Lithic	N/A	N/A	IMG_6621
WC23	9	7	9005	2	07/07/23	Lithic	N/A	N/A	IMG_6622
WC23	9	4	9001	1	20/06/23	Mineral	N/A	N/A	IMG_6623
WC23	9	7	9001	1	29/06/23	Mineral	N/A	N/A	IMG_6624
WC23	9	4	9005	1	28/06/23	?Bone	N/A	N/A	IMG_6625
WC23	9	4	9005	3	05/07/23	Mineral	N/A	N/A	IMG_6626
WC23	9	7	9005	1	03/07/23	Mineral	N/A	N/A	IMG_6627
WC23	9	7	9005	2	07/07/23	Mineral	N/A	N/A	IMG_6628
WC23	9	4	9002	1	21/06/23	Bone	N/A	N/A	IMG_6629
WC23	9	4	9001	1	20/06/23	Anthractite	N/A	N/A	IMG_6630
WC23	9	7	9002	2	30/06/23	Anthractite	N/A	N/A	IMG_6631
WC23	9	4	9001	1	20/06/23	Shell	N/A	N/A	IMG_6632
WC23	9	7	9001	1	29/06/23	Shell	N/A	N/A	IMG_6633
WC23	9	4	9002	1	21/06/23	Shell	N/A	N/A	IMG_6634
WC23	9	4	9002	1	27/06/23	Shell	N/A	N/A	IMG_6635
WC23	9	4	9002	2	21/06/23	Shell	N/A	N/A	IMG_6636
WC23	9	4	9002	2	24/06/23	Shell	N/A	N/A	IMG_6637
WC23	9	4	9002	3	24/06/23	Shell	N/A	N/A	IMG_6638
WC23	9	7	9002	1	30/06/23	Shell	N/A	N/A	IMG_6639
WC23	9	7	9002	2	30/06/23	Shell	N/A	N/A	IMG_6640
WC23	9	7	9002	2	30/06/23	Flint	N/A	N/A	IMG_6641
WC23	9	7	9002	2	01/07/23	Shell	N/A	N/A	IMG_6642
WC23	9	7	9002	2	03/07/23	Shell	N/A	N/A	IMG_6643
WC23	9	4	9003	2	23/06/23	Shell	N/A	N/A	IMG_6644
WC23	9	4	9003	1	27/06/23	Shell	N/A	N/A	IMG_6645
WC23	9	4	9004	1	21/06/23	Shell	N/A	N/A	IMG_6646
WC23	9	4	9004	1	27/06/23	Shell	N/A	N/A	IMG_6647
WC23	9	4	9004	2	22/06/23	Shell	N/A	N/A	IMG_6648

Site Code	Trench/ Test Pit	Square	Context	Spit	Date excavated	Material (as on bag, not verified)	SF no.	Sample no.	Photo
WC23	9	4	9004	4	23/06/23	Shell	N/A	N/A	IMG_6649
WC23	9	4	9005	1	26/06/23	Shell	N/A	N/A	IMG_6650
WC23	9	4	9005	1	27/06/23	Shell	N/A	N/A	IMG_6651
WC23	9	4	9005	1	28/06/23	Shell	N/A	N/A	IMG_6652
WC23	9	4	9005	2	26/06/23	Shell	N/A	N/A	IMG_6653
WC23	9	4	9005	2	29/06/23	Shell	N/A	N/A	IMG_6654
WC23	9	4	9005	3	05/07/23	Shell	N/A	N/A	IMG_6655
WC23	9	7	9005	1	03/07/23	Shell	N/A	N/A	IMG_6656
WC23	9	7	9005	1	04/07/23	Shell	N/A	N/A	IMG_6657
WC23	9	7	9005	1	04/07/23	Lithic	N/A	N/A	IMG_6658
WC23	9	7	9005	2	06/07/23	Shell	N/A	N/A	IMG_6659
WC23	9	7	9005	2	07/07/23	Shell	N/A	N/A	IMG_6660
WC23	9	7	9005	3	07/07/23	Shell	N/A	N/A	IMG_6661
WC23	9	4 & 7	9005	1 (Sq.7) & 3 (Sq. 4)	04/07/23	Shell	N/A	N/A	IMG_6662
WC23	9	4	9002	1	21/06/23	Charcoal	N/A	N/A	IMG_6663
WC23	9	4	9002	2	24/06/23	Charcoal	N/A	N/A	IMG_6664
WC23	9	7	9002	2	30/06/23	Charcoal	N/A	N/A	IMG_6665
WC23	9	4	9004	2	22/06/23	Charcoal	N/A	N/A	IMG_6666
WC23	9	4	9004	2	22/06/23	Charcoal	N/A	N/A	IMG_6667
WC23	9	4	9005	1	27/06/23	Charcoal	N/A	N/A	IMG_6668
WC23	9	4	9005	4	06/07/23	Charcoal	N/A	N/A	IMG_6669
WC23	9	7	9005	1	04/07/23	Charcoal	N/A	N/A	IMG_6670
WC23	9	7	9005	2	07/07/23	Charcoal	N/A	N/A	IMG_6671
WC23	5	4	5006	2	21/06/23	Lithics	N/A	7	IMG_6676
WC23	5	4	5006	2	21/06/23	Microfauna	N/A	7	IMG_6677
WC23	5	4	5006	2	21/06/23	Bone	N/A	7	IMG_6678
WC23	5	4	5006	3	22/06/23	Bone	N/A	12	IMG_6679
WC23	5	4	5006	3	22/06/23	Microfauna	N/A	12	IMG_6680

Site Code	Trench/ Test Pit	Square	Context	Spit	Date excavated	Material (as on bag, not verified)	SF no.	Sample no.	Photo
WC23	5	4	5006	3	22/06/23	Lithic	N/A	12	IMG_6681
WC23	5	4	5006	3	22/06/23	Shell	N/A	12	IMG_6682
WC23	5	4	5006	3	22/06/23	Mineral	N/A	12	IMG_6683
WC23	5	4	5006	4	22/06/23	Bone	N/A	15	IMG_6684
WC23	5	4	5006	4	22/06/23	Microfauna	N/A	15	IMG_6685
WC23	5	4	5006	4	22/06/23	Lithic	N/A	15	IMG_6686
WC23	5	4	5006	5	23/06/23	Bone	N/A	18	IMG_6687
WC23	5	4	5006	5	23/06/23	Microfauna	N/A	18	IMG_6688
WC23	5	4	5006	6	23/06/23	Microfauna	N/A	22	IMG_6689
WC23	5	4	5006	6	23/06/23	Bone	N/A	22	IMG_6690
WC23	5	4	5006	7	21/06 / 23/06	Lithic	N/A	24	IMG_6691
WC23	5	4	5006	7	21/06 / 23/06	Microfauna	N/A	24	IMG_6692
WC23	5	4	5006	7	21/06 / 23/06	Bone	N/A	24	IMG_6693
WC23	5	4	5006	8	24/06/23	Lithic	N/A	26	IMG_6694
WC23	5	4	5006	8	24/06/23	Microfauna	N/A	26	IMG_6695
WC23	5	4	5006	8	24/06/23	Bone	N/A	26	IMG_6696
WC23	5	4	5007	1	26/06/23	?Osseous	N/A	30	IMG_6697
WC23	5	4	5007	1	26/06/23	?Burnt limestone	N/A	30	IMG_6698
WC23	5	4	5007	1	26/06/23	Lithic	N/A	30	IMG_6699
WC23	5	4	5007	1	26/06/23	Microfauna	N/A	30	IMG_6700
WC23	5	4	5007	1	26/06/23	Bone	N/A	30	IMG_6701
WC23	9	4	9005	2	26/06/23	Lithic	N/A	32	IMG_6702
WC23	9	4	9005	2	26/06/23	Bone	N/A	32	IMG_6703
WC23	9	4	9005	2	26/06/23	Microfauna	N/A	32	IMG_6704
WC23	5	4	5007	3	27/06/23	Lithic	N/A	35	IMG_6705
WC23	5	4	5007	3	27/06/23	Microfauna	N/A	35	IMG_6706
WC23	5	4	5007	3	27/06/23	Bone	N/A	35	IMG_6707
WC23	5	4	5007	2	27/06/23	Bone	N/A	37	IMG_6710
WC23	5	4	5007	2	27/06/23	Lithic	N/A	37	IMG_6711

Site Code	Trench/ Test Pit	Square	Context	Spit	Date excavated	Material (as on bag, not verified)	SF no.	Sample no.	Photo
WC23	5	4	5007	2	27/06/23	?Osseous	N/A	37	IMG_6712
WC23	5	4	5007	2	27/06/23	Microfauna	N/A	37	IMG_6713
WC23	9	4	9005	1	28/06/23	Bone & Teeth	N/A	39	IMG_6714
WC23	9	4	9005	1	28/06/23	Microfauna	N/A	39	IMG_6715
WC23	5	4	5008	5	30/06/23	?Bone	157	N/A	IMG_7024
WC23	5	4	5008	4	30/06/23	?Bone/Tooth	143	N/A	IMG_7011
WC23	5	4	5008	5	30/06/23	?Burnt bone	161	N/A	IMG_7028
WC23	5	6	5008	3	06/07/23	?Burnt bone	290	N/A	IMG_7162
WC23	5	6	5008	3	06/07/23	?Burnt bone	318	N/A	IMG_7191
WC23	5	6	5008	4	07/07/23	?Burnt bone	362	N/A	IMG_7238
WC23	5	6	5008	4	07/07/23	?Burnt bone	366	N/A	IMG_7242
WC23	9	4	9005	2	28/06/23	Lithic	N/A	47	IMG_6723
WC23	9	4	9005	2	28/06/23	Shell	N/A	47	IMG_6724
WC23	9	4	9005	2	28/06/23	Bone	N/A	47	IMG_6725
WC23	5	6	5008	5	08/07/23	?Burnt bone	409	N/A	IMG_7289
WC23	5	4	5008	3	29/06/23	?Hammerstone	N/A	49	IMG_6726
WC23	5	4	5008	2	28/06/23	?Lithic	106	N/A	IMG_6973
WC23	5	4	5008	2	28/06/23	?Lithic	108	N/A	IMG_6975
WC23	5	4	5008	2	28/06/23	?Lithic	109	N/A	IMG_6976
WC23	5	4	5008	3	29/06/23	?Lithic	120	N/A	IMG_6987
WC23	5	4	5009	1	30/06/23	Bone	N/A	57	IMG_6732
WC23	5	4	5009	2	03/07/23	Bone	N/A	59	IMG_6733
WC23	9	7	9005	1	03/07/23	Shell	N/A	61	IMG_6734
WC23	5	6	5007	2	04/07/23	Microfauna	N/A	63	IMG_6735
WC23	5	6	5007	2	04/07/23	Bone	N/A	63	IMG_6736
WC23	5	4	5008	3	29/06/23	?Lithic	121	N/A	IMG_6988
WC23	5	4	5008	3	29/06/23	?Lithic	123	N/A	IMG_6990
WC23	5	4	5008	3	29/06/23	?Lithic	132	N/A	IMG_6999
WC23	5	4	5008	4	30/06/23	?Lithic	135	N/A	IMG_7003

Site Code	Trench/ Test Pit	Square	Context	Spit	Date excavated	Material (as on bag, not verified)	SF no.	Sample no.	Photo
WC23	5	6	5007	2	04/07/23	Lithic	N/A	N/A	IMG_6742
WC23	5	4	5008	4	30/06/23	?Lithic	136	N/A	IMG_7004
WC23	5	4	5008	4	30/06/23	?Lithic	140	N/A	IMG_7008
WC23	5	4	5008	4	30/06/23	?Lithic	141	N/A	IMG_7009
WC23	5	4	5008	4	30/06/23	?Lithic	149	N/A	IMG_7016
WC23	5	4	5008	5	30/06/23	?Lithic	154	N/A	IMG_7021
WC23	5	4	5008	5	03/07/23	?Lithic	171	N/A	IMG_7041
WC23	5	4	5008	5	03/07/23	?Lithic	172	N/A	IMG_7042
WC23	5	4	5006	5	23/06/23	Lithic	N/A	N/A	IMG_6750
WC23	5	4	5006	8	24/06/23	Lithic	N/A	N/A	IMG_6751
WC23	5	4	5007	1	26/06/23	Lithic	N/A	N/A	IMG_6752
WC23	5	4	5007	2	27/06/23	Lithic	N/A	N/A	IMG_6753
WC23	5	4	5007	3	27/06/23	Lithic	N/A	N/A	IMG_6754
WC23	5	4	5008	5	03/07/23	?Lithic	173	N/A	IMG_7044
WC23	5	4	5008	5	03/07/23	?Lithic	176	N/A	IMG_7048
WC23	5	4	5008	5	03/07/23	?Lithic	181	N/A	IMG_7053
WC23	5	4	5008	5	03/07/23	?Lithic	183	N/A	IMG_7055
WC23	5	4	5008	5	03/07/23	?Lithic	185	N/A	IMG_7057
WC23	5	6	5008	1	05/07/23	?Lithic	228	N/A	IMG_7100
WC23	5	4	5009	3	10/07/23	Lithic	N/A	N/A	IMG_6761
WC23	5	4	5009	4	11/07/23	Lithic	N/A	N/A	IMG_6762
WC23	5	4	5009	5	11/07/23	Lithic	N/A	N/A	IMG_6763
WC23	5	4	5010	2	11/07/23	Lithic	N/A	N/A	IMG_6764
WC23	5	6	5008	1	05/07/23	?Lithic	244	N/A	IMG_7116
WC23	5	6	5008	2	05/07/23	?Lithic	257	N/A	IMG_7129
WC23	5	4	5009	1	30/06/23	Lithic	N/A	N/A	IMG_6767
WC23	5	4	5006	2	21/06/23	Bone	N/A	N/A	IMG_6768
WC23	5	4	5006	3	22/06/23	Bone	N/A	N/A	IMG_6769
WC23	5	4	5006	4	22/06/23	Bone	N/A	N/A	IMG_6770

Site Code	Trench/ Test Pit	Square	Context	Spit	Date excavated	Material (as on bag, not verified)	SF no.	Sample no.	Photo
WC23	5	4	5006	5	23/06/23	Bone	N/A	N/A	IMG_6771
WC23	5	4	5006	6	23/06/23	Bone	N/A	N/A	IMG_6772
WC23	5	4	5006	7	24/06/23	Bone	N/A	N/A	IMG_6773
WC23	5	4	5006	8	24/06/23	Bone	N/A	N/A	IMG_6774
WC23	5	4	5007	1	26/06/23	Bone	N/A	N/A	IMG_6775
WC23	5	4	5007	2	27/06/23	Bone	N/A	N/A	IMG_6776
WC23	5	4	5007	3	27/06/23	Bone	N/A	N/A	IMG_6777
WC23	5	6	5008	3	06/07/23	?Lithic	289	N/A	IMG_7161
WC23	5	6	5008	3	06/07/23	?Lithic	311	N/A	IMG_7183
WC23	5	6	5008	4	07/07/23	?Lithic	357	N/A	IMG_7232
WC23	5	6	5008	5	07/07/23	?Lithic	379	N/A	IMG_7255
WC23	5	6	5008	5	07/07/23	?Lithic	397	N/A	IMG_7273
WC23	5	4	5008	6	08/07/23	?Lithic	438	N/A	IMG_7318
WC23	5	4	5008	6	10/07/23	?Lithic	444	N/A	IMG_7324
WC23	5	4	5008	6	10/07/23	?Lithic	447	N/A	IMG_7327
WC23	5	4	5008	6	10/07/23	?Lithic	449	N/A	IMG_7329
WC23	5	4	5008	6	10/07/23	?Lithic	450	N/A	IMG_7330
WC23	5	4	5009	1	30/06/23	Bone	N/A	N/A	IMG_6788
WC23	5	4	5009	2	03/07/23	Bone	N/A	N/A	IMG_6789
WC23	5	4	5009	3	10/07/23	Bone	N/A	N/A	IMG_6790
WC23	5	4	5009	4	10/07/23	Bone	N/A	N/A	IMG_6791
WC23	5	4	5009	4	11/07/23	Bone	N/A	N/A	IMG_6792
WC23	5	4	5009	5	11/07/23	Bone	N/A	N/A	IMG_6793
WC23	5	4	5010	2	11/07/23	Bone	N/A	N/A	IMG_6794
WC23	5	4	Cleaning	Cleaning	08/07/23	Bone	N/A	N/A	IMG_6795
WC23	5	6	5007	2	04/07/23	Bone	N/A	N/A	IMG_6796
WC23	5	6	5007	3	04/07/23	Bone	N/A	N/A	IMG_6798
WC23	5	4	5008	6	10/07/23	?Lithic	451	N/A	IMG_7331
WC23	5	4	5008	6	10/07/23	?Lithic	458	N/A	IMG_7338

Site Code	Trench/ Test Pit	Square	Context	Spit	Date excavated	Material (as on bag, not verified)	SF no.	Sample no.	Photo
WC23	5	6	5008	5	07/07/23	?Tooth	391	N/A	IMG_7266
WC23	5	6	5008	5	07/07/23	?Tooth	395	N/A	IMG_7271
WC23	5	6	5008	4	07/07/23	?Tooth frag	351	N/A	IMG_7226
WC23	5	6	5008	5	07/07/23	?Tooth frag	384	N/A	IMG_7259
WC23	5	4	5008	1	28/06/23	Bone	N/A	42	IMG_6718
WC23	5	4	5008	2	28/06/23	Bone	N/A	45	IMG_6720
WC23	5	4	5008	3	29/06/23	Bone	N/A	49	IMG_6728
WC23	5	6	5009	1	08/07/23	Bone	N/A	N/A	IMG_6808
WC23	5	6	Cleaning	Cleaning	19/06/23	Bone	N/A	N/A	IMG_6809
WC23	5	6	Cleaning	Cleaning	20/06/23	Bone	N/A	N/A	IMG_6810
WC23	5	4	5006	2	21/06/23	Microfauna	N/A	N/A	IMG_6815
WC23	5	4	5006	3	22/06/23	Microfauna	N/A	N/A	IMG_6816
WC23	5	4	5006	4	22/06/23	Microfauna	N/A	N/A	IMG_6817
WC23	5	4	5006	5	23/06/23	Microfauna	N/A	N/A	IMG_6818
WC23	5	4	5006	6	23/06/23	Microfauna	N/A	N/A	IMG_6819
WC23	5	4	5006	7	23/06/23	Microfauna	N/A	N/A	IMG_6820
WC23	5	4	5006	7	24/06/23	Microfauna	N/A	N/A	IMG_6821
WC23	5	4	5006	8	24/06/23	Microfauna	N/A	N/A	IMG_6822
WC23	5	4	5007	1	26/06/23	Microfauna	N/A	N/A	IMG_6823
WC23	5	4	5007	3	27/06/23	Microfauna	N/A	N/A	IMG_6824
WC23	5	4	5008	4	29/06/23	Bone	N/A	51	IMG_6729
WC23	5	4	5008	5	30/06/23	Bone	N/A	55	IMG_6731
WC23	5	6	5008	2	05/07/23	Bone	N/A	71	IMG_6738
WC23	5	6	5008	3	06/07/23	Bone	N/A	73	IMG_6740
WC23	5	4	5008	1	27/06/23	Bone	N/A	N/A	IMG_6778
WC23	5	4	5008	1	28/06/23	Bone	N/A	N/A	IMG_6779
WC23	5	4	5009	4	N.D.	Microfauna	N/A	N/A	IMG_6831
WC23	5	6	5007	2	04/07/23	Microfauna	N/A	N/A	IMG_6832
WC23	5	6	5007	3	04/07/23	Microfauna	N/A	N/A	IMG_6833

Site Code	Trench/ Test Pit	Square	Context	Spit	Date excavated	Material (as on bag, not verified)	SF no.	Sample no.	Photo
WC23	5	4	5008	2	29/06/23	Bone	N/A	N/A	IMG_6781
WC23	5	4	5008	3	29/06/23	Bone	N/A	N/A	IMG_6782
WC23	5	4	5008	4	29/06/23	Bone	N/A	N/A	IMG_6783
WC23	5	4	5008	4	30/06/23	Bone	N/A	N/A	IMG_6784
WC23	5	4	5008	5	30/06/23	Bone	N/A	N/A	IMG_6785
WC23	5	6	Cleaning	Cleaning	20/06/23	Microfauna	N/A	N/A	IMG_6839
WC23	5	4	5006	5	23/06/23	Shell	N/A	N/A	IMG_6840
WC23	5	6	Cleaning	Cleaning	19/06/23	Shell	N/A	N/A	IMG_6841
WC23	5	4	5008	5	03/07/23	Bone	N/A	N/A	IMG_6786
WC23	5	4	5008	6	10/07/23	Bone	N/A	N/A	IMG_6787
WC23	5	6	Cleaning	N/A	19/06/23	?Lithic	001	N/A	IMG_6864
WC23	5	6	Cleaning	N/A	19/06/23	Lithic	002	N/A	IMG_6865
WC23	5	6	Cleaning	N/A	19/06/23	Bone	003	N/A	IMG_6866
WC23	5	6	Cleaning	N/A	19/06/23	Bone	004	N/A	IMG_6867
WC23	5	4	5006	2	20/06/23	Tooth	005	N/A	IMG_6868
WC23	5	4	5006	2	20/06/23	Bone	006	N/A	IMG_6869
WC23	9	4	9001	1	21/06/23	Lithic	007	N/A	IMG_6870
WC23	5	4	5006	2	21/06/23	Bone	008	N/A	IMG_6871
WC23	5	4	5006	2	21/06/23	Bone	009	N/A	IMG_6872
WC23	5	4	5006	2	21/06/23	Bone	010	N/A	IMG_6873
WC23	5	4	5006	2	21/06/23	Bone	011	N/A	IMG_6874
WC23	5	4	5006	2	21/06/23	Bone	012	N/A	IMG_6875
WC23	5	4	5006	2	21/06/23	Bone	013	N/A	IMG_6876
WC23	5	4	5006	2	21/06/23	Lithic	014	N/A	IMG_6877
WC23	5	4	5006	2	21/06/23	Bone	015	N/A	IMG_6878
WC23	5	4	5006	2	21/06/23	Lithic	016	N/A	IMG_6879
WC23	5	4	5006	2	21/06/23	?Lithic	017	N/A	IMG_6880
WC23	5	4	5006	2	21/06/23	Bone	018	N/A	IMG_6881
WC23	9	4	9004	1	21/06/23	?Lithic	019	N/A	IMG_6882

Site Code	Trench/ Test Pit	Square	Context	Spit	Date excavated	Material (as on bag, not verified)	SF no.	Sample no.	Photo
WC23	5	4	5006	2	21/06/23	Bone	020	N/A	IMG_6883
WC23	5	4	5006	3	22/06/23	?Lithic	021	N/A	IMG_6884
WC23	5	4	5006	3	22/06/23	Bone	022	N/A	IMG_6885
WC23	5	4	5006	3	22/06/23	Bone	023	N/A	IMG_6886
WC23	5	4	5006	3	22/06/23	Bone	024	N/A	IMG_6887
WC23	5	4	5006	3	22/06/23	Bone	025	N/A	IMG_6888
WC23	5	4	5006	3	22/06/23	Bone	026	N/A	IMG_6889
WC23	9	4	9004	3	22/06/23	Bone	027	N/A	IMG_6890
WC23	8	4	8003	4	22/06/23	Pottery	028	N/A	IMG_6891
WC23	9	4	9004	3	22/06/23	Bone	029	N/A	IMG_6892
WC23	5	4	5006	4	22/06/23	?Tooth	030	N/A	IMG_6893
WC23	5	4	5006	4	22/06/23	Bone	031	N/A	IMG_6894
WC23	5	4	5006	4	22/06/23	Lithic	032	N/A	IMG_6895
WC23	9	4	9004	4	23/06/23	Bone	033	N/A	IMG_6896
WC23	9	4	9004	4	23/06/23	Bone	034	N/A	IMG_6897
WC23	5	4	5006	5	23/06/23	Bone	035	N/A	IMG_6898
WC23	8	4	8006	1	23/06/23	Pottery	036	N/A	IMG_6900
WC23	5	4	5006	6	23/06/23	Bladelet	037	N/A	IMG_6901
WC23	5	4	5006	3	22/06/23	Blade	038	N/A	IMG_6902
WC23	9	4	9002	2	24/06/23	Bone	039	N/A	IMG_6903
WC23	9	4	9004	4	24/06/23	Bone	040	N/A	IMG_6904
WC23	9	4	9002	3	24/06/23	Bone	041	N/A	IMG_6905
WC23	9	4	9002	3	24/06/23	Bone	042	N/A	IMG_6906
WC23	5	4	5007	1	26/06/23	Bone	043	N/A	IMG_6907
WC23	5	4	5007	1	26/06/23	Bone	044	N/A	IMG_6908
WC23	5	4	5007	1	26/06/23	Bone	045	N/A	IMG_6909
WC23	5	4	5007	1	26/06/23	Bone	046	N/A	IMG_6910
WC23	9	4	9005	1	26/06/23	Bone	047	N/A	IMG_6911
WC23	9	4	9005	1	26/06/23	Bone	048	N/A	IMG_6912

Site Code	Trench/ Test Pit	Square	Context	Spit	Date excavated	Material (as on bag, not verified)	SF no.	Sample no.	Photo
WC23	9	4	9002	3	26/06/23	Bone	049	N/A	IMG_6913
WC23	5	4	5007	1	26/06/23	Bone	050	N/A	IMG_6914
WC23	5	4	5007	1	26/06/23	Bone	051	N/A	IMG_6915
WC23	5	4	5007	1	26/06/23	Lithic	052	N/A	IMG_6916
WC23	5	4	5007	1	26/06/23	Bone	053	N/A	IMG_6917
WC23	5	4	5007	1	26/06/23	Lithic	054	N/A	IMG_6918
WC23	5	4	5007	1	26/06/23	Lithic	055	N/A	IMG_6919
WC23	5	4	5007	1	26/06/23	Bone	056	N/A	IMG_6920
WC23	5	4	5007	1	26/06/23	Bone	057	N/A	IMG_6921
WC23	5	4	5007	1	26/06/23	?Lithic	058	N/A	IMG_6922
WC23	5	4	5007	1	26/06/23	Bone	059	N/A	IMG_6923
WC23	5	4	5007	1	26/06/23	Bone	060	N/A	IMG_6924
WC23	5	4	5007	1	26/06/23	Lithic	061	N/A	IMG_6925
WC23	9	4	9002	3	26/06/23	Bone	062	N/A	IMG_6926
WC23	9	4	9005	2	26/06/23	Tooth	063	N/A	IMG_6927
WC23	9	4	9005	2	26/06/23	Lithic	064	N/A	IMG_6928
WC23	5	4	5007	1	26/06/23	Bone	065	N/A	IMG_6929
WC23	5	4	5007	1	26/06/23	Tooth	066	N/A	IMG_6930
WC23	9	4	9002	1	27/06/23	Bone	067	N/A	IMG_6931
WC23	5	4	5007	2	27/06/23	Bone	068	N/A	IMG_6932
WC23	5	4	5007	2	27/06/23	Lithic	069	N/A	IMG_6933
WC23	5	4	5007	2	27/06/23	Lithic	070	N/A	IMG_6934
WC23	5	4	5007	2	27/06/23	Lithic	071	N/A	IMG_6935
WC23	5	4	5007	2	27/06/23	Lithic	072	N/A	IMG_6936
WC23	5	4	5007	2	27/06/23	Bone	073	N/A	IMG_6937
WC23	5	4	5007	2	27/06/23	Bone	074	N/A	IMG_6938
WC23	5	4	5007	2	27/06/23	Lithic	075	N/A	IMG_6939
WC23	5	4	5007	2	27/06/23	Lithic	076	N/A	IMG_6940
WC23	5	4	5007	2	27/06/23	?Lithic	077	N/A	IMG_6941

Site Code	Trench/ Test Pit	Square	Context	Spit	Date excavated	Material (as on bag, not verified)	SF no.	Sample no.	Photo
WC23	5	4	5007	2	27/06/23	Bone	078	N/A	IMG_6942
WC23	5	4	5007	2	27/06/23	?Bone/Tooth	079	N/A	IMG_6943
WC23	5	4	5007	2	27/06/23	Lithic	080	N/A	IMG_6944
WC23	5	4	5007	2	27/06/23	Bone	081	N/A	IMG_6945
WC23	5	4	5007	2	27/06/23	Bone	082	N/A	IMG_6946
WC23	5	4	5007	2	27/06/23	Bone	083	N/A	IMG_6947
WC23	5	4	5007	2	27/06/23	Bone	084	N/A	IMG_6948
WC23	9	4	9002	1	27/06/23	Antler	085	N/A	IMG_6949
WC23	5	4	5007	3	27/06/23	Bone	086	N/A	IMG_6950
WC23	5	4	5007	3	27/06/23	?Lithic	087	N/A	IMG_6951
WC23	5	6	5008	1	05/07/23	Bone	N/A	N/A	IMG_6799
WC23	5	6	5008	2	05/07/23	Bone	N/A	N/A	IMG_6800
WC23	5	6	5008	2	06/07/23	Bone	N/A	N/A	IMG_6801
WC23	5	6	5008	4	06/07/23	Bone	N/A	N/A	IMG_6803
WC23	5	6	5008	4	07/07/23	Bone	N/A	N/A	IMG_6804
WC23	5	6	5008	5	07/07/23	Bone	N/A	N/A	IMG_6805
WC23	9	4	9005	1	28/06/23	Bone	094	N/A	IMG_6959
WC23	9	4	9005	1	28/06/23	Lithic	095	N/A	IMG_6960
WC23	9	4	9005	1	28/06/23	Lithic	096	N/A	IMG_6961
WC23	8	4	8008	1	28/06/23	Bone	097	N/A	IMG_6962
WC23	5	6	5008	5	08/07/23	Bone	N/A	N/A	IMG_6806
WC23	5	4	5008	2	28/06/23	Bone	105	N/A	IMG_6972
WC23	5	4	5008	2	28/06/23	Bone	107	N/A	IMG_6974
WC23	5	4	5008	3	29/06/23	Bone	125	N/A	IMG_6992
WC23	9	4	9005	2	28/06/23	Bone	101	N/A	IMG_6968
WC23	9	4	9005	2	28/06/23	Bone	102	N/A	IMG_6969
WC23	5	4	5008	3	29/06/23	Bone	129	N/A	IMG_6996
WC23	5	4	5008	5	30/06/23	Bone	153	N/A	IMG_7020
WC23	5	4	5008	5	30/06/23	Bone	155	N/A	IMG_7022

Site Code	Trench/ Test Pit	Square	Context	Spit	Date excavated	Material (as on bag, not verified)	SF no.	Sample no.	Photo
WC23	5	4	5008	5	30/06/23	Bone	158	N/A	IMG_7025
WC23	5	4	5008	5	30/06/23	Bone	159	N/A	IMG_7026
WC23	5	4	5008	5	30/06/23	Bone	160	N/A	IMG_7027
WC23	5	4	5008	5	03/07/23	Bone	170	N/A	IMG_7040
WC23	5	4	5008	5	03/07/23	Bone	174	N/A	IMG_7046
WC23	8	4	8008	1	28/06/23	Bone	111	N/A	IMG_6978
WC23	9	4	9005	2	28/06/23	Lithic	112	N/A	IMG_6979
WC23	9	4	9005	2	28/06/23	Bone	113	N/A	IMG_6980
WC23	5	6	5008	1	05/07/23	Bone	216	N/A	IMG_7088
WC23	9	4	9005	2	29/06/23	Lithic	115	N/A	IMG_6982
WC23	9	4	9005	2	29/06/23	Bone	116	N/A	IMG_6983
WC23	5	6	5008	2	05/07/23	Bone	259	N/A	IMG_7131
WC23	5	6	5008	2	05/07/23	Bone	265	N/A	IMG_7137
WC23	5	6	5008	2	05/07/23	Bone	266	N/A	IMG_7138
WC23	5	6	5008	2	06/07/23	Bone	270	N/A	IMG_7142
WC23	5	6	5008	2	06/07/23	Bone	274	N/A	IMG_7146
WC23	5	6	5008	2	06/07/23	Bone	277	N/A	IMG_7149
WC23	5	6	5008	3	06/07/23	Bone	285	N/A	IMG_7157
WC23	5	6	5008	3	06/07/23	Bone	286	N/A	IMG_7158
WC23	5	6	5008	3	06/07/23	Bone	288	N/A	IMG_7160
WC23	5	6	5008	3	06/07/23	Bone	320	N/A	IMG_7193
WC23	5	6	5008	4	07/07/23	Bone	354	N/A	IMG_7229
WC23	5	6	5008	4	07/07/23	Bone	359	N/A	IMG_7234
WC23	5	6	5008	1	05/07/23	Bone	215	N/A	IMG_7087
WC23	5	6	5008	1	05/07/23	Bone	226	N/A	IMG_7098
WC23	5	6	5008	1	05/07/23	Bone	239	N/A	IMG_7111
WC23	5	6	5008	1	05/07/23	Bone	249	N/A	IMG_7121
WC23	5	6	5008	3	06/07/23	Bone	287	N/A	IMG_7159
WC23	5	4	5008	6	08/07/23	Bone	437	N/A	IMG_7317

Site Code	Trench/ Test Pit	Square	Context	Spit	Date excavated	Material (as on bag, not verified)	SF no.	Sample no.	Photo
WC23	5	4	5008	6	10/07/23	Bone	460	N/A	IMG_7340
WC23	5	4	5008	2	28/06/23	Bone & Teeth	N/A	N/A	IMG_6780
WC23	5	6	5008	3	06/07/23	Bone & Teeth	N/A	N/A	IMG_6802
WC23	5	6	5008	6	08/07/23	Bone & Teeth	N/A	N/A	IMG_6807
WC23	5	6	5008	5	07/07/23	Bone (burnt?)	374	N/A	IMG_7250
WC23	5	6	5008	2	05/07/23	Burnt bone	258	N/A	IMG_7130
WC23	5	6	5008	5	07/07/23	Burnt bone	380	N/A	IMG_7256
WC23	5	6	5008	5	08/07/23	Burnt bone	423	N/A	IMG_7303
WC23	5	6	5008	5	08/07/23	Burnt bone	424	N/A	IMG_7304
WC23	5	4	5008	1	28/06/23	Charcoal	N/A	42	IMG_6717
WC23	5	4	5008	4	29/06/23	Charcoal	134	N/A	IMG_7002
WC23	5	4	5008	1	28/06/23	Lithic	N/A	42	IMG_6716
WC23	5	4	5008	2	28/06/23	Lithic	N/A	45	IMG_6722
WC23	5	4	5008	3	29/06/23	Lithic	N/A	49	IMG_6727
WC23	5	4	5008	5	30/06/23	Lithic	N/A	55	IMG_6730
WC23	9	4	9005	2	29/06/23	?Lithic	150	N/A	IMG_7017
WC23	5	6	5008	2	05/07/23	Lithic	N/A	71	IMG_6737
WC23	5	6	5008	3	06/07/23	Lithic	N/A	73	IMG_6739
WC23	5	6	5008	1	05/07/23	Lithic	N/A	N/A	IMG_6743
WC23	5	6	5008	2	05/07/23	Lithic	N/A	N/A	IMG_6744
WC23	5	6	5008	2	06/07/23	Lithic	N/A	N/A	IMG_6745
WC23	5	6	5008	3	06/07/23	Lithic	N/A	N/A	IMG_6746
WC23	5	6	5008	4	06/07/23	Lithic	N/A	N/A	IMG_6747
WC23	5	6	5008	4	07/07/23	Lithic	N/A	N/A	IMG_6748
WC23	5	6	5008	5	07/07/23	Lithic	N/A	N/A	IMG_6749
WC23	5	4	5008	1	27/06/23	Lithic	N/A	N/A	IMG_6755
WC23	5	4	5008	2	28/06/23	Lithic	N/A	N/A	IMG_6756
WC23	5	4	5009	1	30/06/23	Bone	162	N/A	IMG_7029
WC23	8	4	8010	1	01/07/23	Lithic	163	N/A	IMG_7030

Site Code	Trench/ Test Pit	Square	Context	Spit	Date excavated	Material (as on bag, not verified)	SF no.	Sample no.	Photo
WC23	8	4	8010	1	01/07/23	Wood	164	N/A	IMG_7031
WC23	8	4	8009	1	01/07/23	Bone	165	N/A	IMG_7035
WC23	8	4	8010	1	01/07/23	?Lime mortar	166	N/A	IMG_7036
WC23	9	7	9002	2	01/07/23	Bone	167	N/A	IMG_7037
WC23	8	4	8010	1	01/07/23	Bone	168	N/A	IMG_7038
WC23	8	4	8010	1	01/07/23	?Ash	169	N/A	IMG_7039
WC23	5	4	5008	3	29/06/23	Lithic	N/A	N/A	IMG_6757
WC23	5	4	5008	4	29/06/23	Lithic	N/A	N/A	IMG_6758
WC23	5	4	5008	4	30/06/23	Lithic	N/A	N/A	IMG_6759
WC23	5	4	5008	5	30/06/23	Lithic	N/A	N/A	IMG_6760
WC23	5	4	5008	1	28/06/23	Lithic	088	N/A	IMG_6953
WC23	5	4	5008	1	28/06/23	Lithic	089	N/A	IMG_6954
WC23	5	4	5008	1	28/06/23	Lithic	090	N/A	IMG_6955
WC23	5	4	5008	1	28/06/23	Lithic	091	N/A	IMG_6956
WC23	9	7	9002	2	03/07/23	Bone	178	N/A	IMG_7050
WC23	9	7	9002	2	03/07/23	Lithic	179	N/A	IMG_7051
WC23	9	7	9005	1	03/07/23	Lithic	180	N/A	IMG_7052
WC23	5	4	5008	1	28/06/23	Lithic	092	N/A	IMG_6957
WC23	5	4	5008	1	28/06/23	Lithic	093	N/A	IMG_6958
WC23	5	4	5008	1	28/06/23	Lithic	098	N/A	IMG_6963
WC23	5	4	5008	1	28/06/23	Lithic	099	N/A	IMG_6964
WC23	5	4	5008	1	28/06/23	Lithic	100	N/A	IMG_6965
WC23	9	7	9005	1	03/07/23	Lithic	186	N/A	IMG_7058
WC23	9	7	9005	1	03/07/23	Bone	187	N/A	IMG_7059
WC23	9	7	9005	1	04/07/23	?Bone	188	N/A	IMG_7060
WC23	9	7	9005	1	04/07/23	Lithic	189	N/A	IMG_7061
WC23	9	7	9005	1	04/07/23	Bone	190	N/A	IMG_7062
WC23	9	7	9005	1	04/07/23	Lithic	191	N/A	IMG_7063
WC23	5	6	5007	2	04/07/23	Bone (claw)	192	N/A	IMG_7064

Site Code	Trench/ Test Pit	Square	Context	Spit	Date excavated	Material (as on bag, not verified)	SF no.	Sample no.	Photo
WC23	9	7	9005	1	04/07/23	Lithic	193	N/A	IMG_7065
WC23	9	7	9005	1	04/07/23	Lithic	194	N/A	IMG_7066
WC23	5	6	5007	2	04/07/23	Lithic	195	N/A	IMG_7067
WC23	5	6	5007	2	04/07/23	Lithic	196	N/A	IMG_7068
WC23	5	6	5007	2	04/07/23	Lithic	197	N/A	IMG_7069
WC23	5	6	5007	2	04/07/23	Lithic	198	N/A	IMG_7070
WC23	9	4	9005	3	04/07/23	Bone	199	N/A	IMG_7071
WC23	9	4	9005	3	04/07/23	Lithic	200	N/A	IMG_7072
WC23	9	4	9005	3	04/07/23	Bone	201	N/A	IMG_7073
WC23	9	4	9005	3	04/07/23	Bone	202	N/A	IMG_7074
WC23	5	6	5007	3	04/07/23	Lithic	203	N/A	IMG_7075
WC23	5	6	5007	3	04/07/23	Bone	204	N/A	IMG_7076
WC23	5	6	5007	3	04/07/23	Bone	205	N/A	IMG_7077
WC23	5	6	5007	3	04/07/23	Bone	206	N/A	IMG_7078
WC23	9	4	9005	3	04/07/23	Lithic	207	N/A	IMG_7079
WC23	9	4	9005	3	04/07/23	Bone	208	N/A	IMG_7080
WC23	9	4	9005	3	04/07/23	Bone	209	N/A	IMG_7081
WC23	5	4	5008	1	28/06/23	Lithic	Associated with SF100	N/A	IMG_6966
WC23	5	4	5008	2	28/06/23	Lithic	103	N/A	IMG_6970
WC23	5	4	5008	2	28/06/23	Lithic	104	N/A	IMG_6971
WC23	5	4	5008	2	29/06/23	Lithic	114	N/A	IMG_6981
WC23	5	4	5008	3	29/06/23	Lithic	117	N/A	IMG_6984
WC23	5	4	5008	3	29/06/23	Lithic	119	N/A	IMG_6986
WC23	5	4	5008	3	29/06/23	Lithic	122	N/A	IMG_6989
WC23	9	4	9005	3	05/07/23	Bone	217	N/A	IMG_7089
WC23	9	4	9005	3	05/07/23	Bone	218	N/A	IMG_7090
WC23	9	4	9005	3	05/07/23	Lithic	219	N/A	IMG_7091
WC23	9	4	9005	3	05/07/23	Lithic	220	N/A	IMG_7092

Site Code	Trench/ Test Pit	Square	Context	Spit	Date excavated	Material (as on bag, not verified)	SF no.	Sample no.	Photo
WC23	9	4	9005	3	05/07/23	Lithic	221	N/A	IMG_7093
WC23	9	4	9005	3	05/07/23	Bone	222	N/A	IMG_7094
WC23	5	4	5008	3	29/06/23	Lithic	124	N/A	IMG_6991
WC23	5	4	5008	3	29/06/23	Lithic	126	N/A	IMG_6993
WC23	5	4	5008	3	29/06/23	Lithic	127	N/A	IMG_6994
WC23	5	4	5008	3	29/06/23	Lithic	128	N/A	IMG_6995
WC23	5	4	5008	3	29/06/23	Lithic	130	N/A	IMG_6997
WC23	5	4	5008	3	29/06/23	Lithic	131	N/A	IMG_6998
WC23	5	4	5008	3	29/06/23	Lithic	133	N/A	IMG_7001
WC23	9	4	9005	3	05/07/23	Tooth	230	N/A	IMG_7102
WC23	9	4	9005	3	05/07/23	Tooth	231	N/A	IMG_7103
WC23	9	4	9005	3	05/07/23	Bone	232	N/A	IMG_7104
WC23	9	4	9005	3	05/07/23	Tooth	233	N/A	IMG_7105
WC23	9	4	9005	3	05/07/23	Bone	234	N/A	IMG_7106
WC23	9	4	9005	3	05/07/23	Bone	235	N/A	IMG_7107
WC23	9	4	9005	3	05/07/23	Bone	236	N/A	IMG_7108
WC23	9	4	9005	3	05/07/23	Bone	237	N/A	IMG_7109
WC23	5	4	5008	4	30/06/23	Lithic	137	N/A	IMG_7005
WC23	5	4	5008	4	30/06/23	Lithic	138	N/A	IMG_7006
WC23	9	4	9005	3	05/07/23	Bone	240	N/A	IMG_7112
WC23	9	4	9005	3	05/07/23	Bone	241	N/A	IMG_7113
WC23	9	4	9005	3	05/07/23	Bone	242	N/A	IMG_7114
WC23	9	4	9005	3	05/07/23	Lithic	243	N/A	IMG_7115
WC23	5	4	5008	4	30/06/23	Lithic	139	N/A	IMG_7007
WC23	9	4	9005	3	05/07/23	Bone	245	N/A	IMG_7117
WC23	9	4	9005	3	05/07/23	Bone	246	N/A	IMG_7118
WC23	9	4	9005	3	05/07/23	Bone	247	N/A	IMG_7119
WC23	5	4	5008	4	30/06/23	Lithic	142	N/A	IMG_7010
WC23	5	4	5008	4	30/06/23	Lithic	144	N/A	IMG_7012

Site Code	Trench/ Test Pit	Square	Context	Spit	Date excavated	Material (as on bag, not verified)	SF no.	Sample no.	Photo
WC23	9	4	9005	3	05/07/23	Bone	250	N/A	IMG_7122
WC23	9	4	9005	3	05/07/23	Bone	251	N/A	IMG_7123
WC23	9	4	9005	3	05/07/23	Bone	252	N/A	IMG_7124
WC23	9	4	9005	3	05/07/23	Bone	253	N/A	IMG_7125
WC23	9	4	9005	3	05/07/23	Bone	254	N/A	IMG_7126
WC23	5	4	5008	4	30/06/23	Lithic	145	N/A	IMG_7013
WC23	5	4	5008	4	30/06/23	Lithic	146	N/A	IMG_7014
WC23	5	4	5008	4	30/06/23	Lithic	147	N/A	IMG_7015
WC23	5	4	5008	4	30/06/23	Lithic	148	N/A	IMG_7032
WC23	5	4	5008	5	30/06/23	Lithic	151	N/A	IMG_7018
WC23	5	4	5008	5	30/06/23	Lithic	152	N/A	IMG_7019
WC23	5	4	5008	5	30/06/23	Lithic	156	N/A	IMG_7023
WC23	5	4	5008	5	03/07/23	Lithic	175	N/A	IMG_7047
WC23	5	4	5008	5	03/07/23	Lithic	182	N/A	IMG_7054
WC23	5	4	5008	5	03/07/23	Lithic	184	N/A	IMG_7056
WC23	5	6	5008	1	05/07/23	Lithic	210	N/A	IMG_7082
WC23	5	6	5008	1	05/07/23	Lithic	211	N/A	IMG_7083
WC23	9	4	9005	3	05/07/23	Bone	267	N/A	IMG_7139
WC23	9	4	9005	3	05/07/23	Lithic	268	N/A	IMG_7140
WC23	5	6	5008	1	05/07/23	Lithic	212	N/A	IMG_7084
WC23	5	6	5008	1	05/07/23	Lithic	213	N/A	IMG_7085
WC23	5	6	5008	1	05/07/23	Lithic	214	N/A	IMG_7086
WC23	5	6	5008	1	05/07/23	Lithic	223	N/A	IMG_7095
WC23	5	6	5008	1	05/07/23	Lithic	224	N/A	IMG_7096
WC23	5	6	5008	1	05/07/23	Lithic	225	N/A	IMG_7097
WC23	5	6	5008	1	05/07/23	Lithic	227	N/A	IMG_7099
WC23	5	6	5008	1	05/07/23	Lithic	229	N/A	IMG_7101
WC23	5	6	5008	1	05/07/23	Lithic	238	N/A	IMG_7110
WC23	9	4	9005	3	05/07/23	Lithic	278	N/A	IMG_7150

Site Code	Trench/ Test Pit	Square	Context	Spit	Date excavated	Material (as on bag, not verified)	SF no.	Sample no.	Photo
WC23	5	6	5008	1	05/07/23	Lithic	248	N/A	IMG_7120
WC23	9	4	9005	4	06/07/23	Bone	280	N/A	IMG_7152
WC23	9	4	9005	4	06/07/23	Bone	281	N/A	IMG_7153
WC23	9	4	9005	4	06/07/23	Bone	282	N/A	IMG_7154
WC23	9	4	9005	4	06/07/23	Bone	283	N/A	IMG_7155
WC23	5	6	5008	2	05/07/23	Lithic	255	N/A	IMG_7127
WC23	5	6	5008	2	05/07/23	Lithic	256	N/A	IMG_7128
WC23	5	6	5008	2	05/07/23	Lithic	260	N/A	IMG_7132
WC23	5	6	5008	2	05/07/23	Lithic	261	N/A	IMG_7133
WC23	5	6	5008	2	05/07/23	Lithic	262	N/A	IMG_7134
WC23	5	6	5008	2	05/07/23	Lithic	263	N/A	IMG_7135
WC23	5	6	5008	2	05/07/23	Lithic	264	N/A	IMG_7136
WC23	5	6	5008	2	05/07/23	Lithic	269	N/A	IMG_7141
WC23	5	6	5008	2	06/07/23	Lithic	271	N/A	IMG_7143
WC23	5	6	5008	2	06/07/23	Lithic	272	N/A	IMG_7144
WC23	5	6	5008	2	06/07/23	Lithic	273	N/A	IMG_7145
WC23	5	6	5008	2	06/07/23	Lithic	275	N/A	IMG_7147
WC23	5	6	5008	2	06/07/23	Lithic	276	N/A	IMG_7148
WC23	5	6	5008	2	06/07/23	Lithic	279	N/A	IMG_7151
WC23	9	4	9005	4	06/07/23	Bone	298	N/A	IMG_7170
WC23	9	4	9005	4	06/07/23	Bone	299	N/A	IMG_7171
WC23	9	4	9005	4	06/07/23	Bone	300	N/A	IMG_7172
WC23	9	4	9005	4	06/07/23	Bone	301	N/A	IMG_7173
WC23	9	7	9005	2	06/07/23	Tooth	302	N/A	IMG_7174
WC23	9	7	9005	2	06/07/23	Tooth	303	N/A	IMG_7175
WC23	9	7	9005	2	06/07/23	Lithic	304	N/A	IMG_7176
WC23	9	4	9005	4	06/07/23	Lithic	305	N/A	IMG_7177
WC23	9	4	9005	4	06/07/23	Bone	306	N/A	IMG_7178
WC23	5	6	5008	3	06/07/23	Lithic	284	N/A	IMG_7156

Site Code	Trench/ Test Pit	Square	Context	Spit	Date excavated	Material (as on bag, not verified)	SF no.	Sample no.	Photo
WC23	5	6	5008	3	06/07/23	Lithic	291	N/A	IMG_7163
WC23	5	6	5008	3	06/07/23	Lithic	292	N/A	IMG_7164
WC23	5	6	5008	3	06/07/23	Lithic	293	N/A	IMG_7165
WC23	5	6	5008	3	06/07/23	Lithic	294	N/A	IMG_7166
WC23	5	6	5008	3	06/07/23	Lithic	295	N/A	IMG_7167
WC23	5	6	5008	3	06/07/23	Lithic	296	N/A	IMG_7168
WC23	5	6	5008	3	06/07/23	Lithic	297	N/A	IMG_7169
WC23	5	6	5008	3	06/07/23	Lithic	307	N/A	IMG_7179
WC23	5	6	5008	3	06/07/23	Lithic	308	N/A	IMG_7180
WC23	5	6	5008	3	06/07/23	Lithic	309	N/A	IMG_7181
WC23	5	6	5008	3	06/07/23	Lithic	310	N/A	IMG_7182
WC23	5	6	5008	3	06/07/23	Lithic	312	N/A	IMG_7184
WC23	5	6	5008	3	06/07/23	Lithic	313	N/A	IMG_7185
WC23	5	6	5008	3	06/07/23	Lithic	314	N/A	IMG_7186
WC23	5	6	5008	3	06/07/23	Lithic	315	N/A	IMG_7187
WC23	9	7	9005	2	06/07/23	Lithic	323	N/A	IMG_7199
WC23	9	4	9005	4	06/07/23	Bone	324	N/A	IMG_7200
WC23	9	4	9005	4	06/07/23	Bone	325	N/A	IMG_7201
WC23	9	7	9005	2	06/07/23	Lithic	326	N/A	IMG_7202
WC23	9	4	9005	4	06/07/23	Bone	327	N/A	IMG_7203
WC23	5	6	5008	3	06/07/23	Lithic	316	N/A	IMG_7188
WC23	5	6	5008	3	06/07/23	Lithic	317	N/A	IMG_7189
WC23	5	6	5008	3	06/07/23	Lithic	319	N/A	IMG_7192
WC23	9	7	9005	2	06/07/23	?Lithic	331	N/A	IMG_7206
WC23	5	6	5008	3	06/07/23	Lithic	321	N/A	IMG_7197
WC23	5	6	5008	3	06/07/23	Lithic	322	N/A	IMG_7198
WC23	5	6	5008	3	06/07/23	Lithic	328	N/A	IMG_7204
WC23	5	6	5008	3	06/07/23	Lithic	329	N/A	IMG_7236
WC23	5	6	5008	3	06/07/23	Lithic	330	N/A	IMG_7205

Site Code	Trench/ Test Pit	Square	Context	Spit	Date excavated	Material (as on bag, not verified)	SF no.	Sample no.	Photo
WC23	5	6	5008	4	07/07/23	Lithic	332	N/A	IMG_7207
WC23	5	6	5008	4	07/07/23	Lithic	333	N/A	IMG_7208
WC23	5	6	5008	4	07/07/23	Lithic	334	N/A	IMG_7209
WC23	5	6	5008	4	07/07/23	Lithic	335	N/A	IMG_7210
WC23	5	6	5008	4	07/07/23	Lithic	336	N/A	IMG_7211
WC23	5	6	5008	4	07/07/23	Lithic	337	N/A	IMG_7212
WC23	5	6	5008	4	07/07/23	Lithic	338	N/A	IMG_7213
WC23	5	6	5008	4	07/07/23	Lithic	339	N/A	IMG_7214
WC23	5	6	5008	4	07/07/23	Lithic	340	N/A	IMG_7215
WC23	5	6	5008	4	07/07/23	Lithic	341	N/A	IMG_7216
WC23	5	6	5008	4	07/07/23	Lithic	342	N/A	IMG_7217
WC23	9	7	9005	2	07/07/23	Bone	348	N/A	IMG_7223
WC23	5	6	5008	4	07/07/23	Lithic	343	N/A	IMG_7218
WC23	5	6	5008	4	07/07/23	Lithic	344	N/A	IMG_7219
WC23	5	6	5008	4	07/07/23	Lithic	345	N/A	IMG_7220
WC23	5	6	5008	4	07/07/23	Lithic	346	N/A	IMG_7221
WC23	5	6	5008	4	07/07/23	Lithic	347	N/A	IMG_7222
WC23	5	6	5008	4	07/07/23	Lithic	349	N/A	IMG_7224
WC23	5	6	5008	4	07/07/23	Lithic	350	N/A	IMG_7225
WC23	5	6	5008	4	07/07/23	Lithic	352	N/A	IMG_7227
WC23	5	6	5008	4	07/07/23	Lithic	353	N/A	IMG_7228
WC23	5	6	5008	4	07/07/23	Lithic	355	N/A	IMG_7230
WC23	5	6	5008	4	07/07/23	Lithic	356	N/A	IMG_7231
WC23	5	6	5008	4	07/07/23	Lithic	358	N/A	IMG_7233
WC23	5	6	5008	4	07/07/23	Lithic	360	N/A	IMG_7235
WC23	5	6	5008	4	07/07/23	Lithic	361	N/A	IMG_7237
WC23	5	6	5008	4	07/07/23	Lithic	363	N/A	IMG_7239
WC23	5	6	5008	4	07/07/23	Lithic	364	N/A	IMG_7240
WC23	5	6	5008	4	07/07/23	Lithic	365	N/A	IMG_7241

Site Code	Trench/ Test Pit	Square	Context	Spit	Date excavated	Material (as on bag, not verified)	SF no.	Sample no.	Photo
WC23	5	6	5008	4	07/07/23	Lithic	367	N/A	IMG_7243
WC23	5	4	5008	3	29/06/23	Lithic	368	49	IMG_7244
WC23	5	6	5008	5	07/07/23	Lithic	372	N/A	IMG_7248
WC23	5	6	5008	5	07/07/23	Lithic	373	N/A	IMG_7249
WC23	9	7	9005	3	07/07/23	Lithic	370	N/A	IMG_7246
WC23	9	7	9005	3	07/07/23	Lithic	371	N/A	IMG_7247
WC23	5	6	5008	5	07/07/23	Lithic	375	N/A	IMG_7251
WC23	5	6	5008	5	07/07/23	Lithic	376	N/A	IMG_7252
WC23	5	6	5008	5	07/07/23	Lithic	377	N/A	IMG_7253
WC23	5	6	5008	5	07/07/23	Lithic	378	N/A	IMG_7254
WC23	5	6	5008	5	07/07/23	Lithic	381	N/A	IMG_7257
WC23	5	6	5008	5	07/07/23	Lithic	382	N/A	IMG_7277
WC23	5	6	5008	5	07/07/23	Lithic	383	N/A	IMG_7258
WC23	5	6	5008	5	07/07/23	Lithic	392	N/A	IMG_7267
WC23	5	6	5008	5	07/07/23	Lithic	393	N/A	IMG_7268
WC23	5	6	5008	5	07/07/23	Lithic	394	N/A	IMG_7269
WC23	5	6	5008	5	07/07/23	Lithic	396	N/A	IMG_7272
WC23	5	6	5008	5	07/07/23	Lithic	398	N/A	IMG_7274
WC23	5	6	5008	5	07/07/23	Lithic	399	N/A	IMG_7275
WC23	9	7	9005	3	07/07/23	Lithic	385	N/A	IMG_7260
WC23	9	7	9005	3	07/07/23	Lithic	386	N/A	IMG_7261
WC23	9	7	9005	3	07/07/23	Lithic	387	N/A	IMG_7278
WC23	9	7	9005	3	07/07/23	Lithic	388	N/A	IMG_7262
WC23	9	7	9005	3	07/07/23	Lithic	389	N/A	IMG_7263
WC23	9	7	9005	3	07/07/23	Bone	390	N/A	IMG_7264
WC23	5	6	5008	5	07/07/23	Lithic	400	N/A	IMG_7276
WC23	5	6	5008	5	08/07/23	Lithic	408	N/A	IMG_7288
WC23	5	6	5008	5	08/07/23	Lithic	411	N/A	IMG_7291
WC23	5	6	5008	5	08/07/23	Lithic	412	N/A	IMG_7292

Site Code	Trench/ Test Pit	Square	Context	Spit	Date excavated	Material (as on bag, not verified)	SF no.	Sample no.	Photo
WC23	5	6	5008	5	08/07/23	Lithic	413	N/A	IMG_7293
WC23	5	6	5008	5	08/07/23	Lithic	421	N/A	IMG_7301
WC23	5	6	5008	5	08/07/23	Lithic	422	N/A	IMG_7302
WC23	5	4	5008	6	08/07/23	Lithic	439	N/A	IMG_7319
WC23	5	4	5008	6	08/07/23	Lithic	440	N/A	IMG_7320
WC23	5	4	5008	6	08/07/23	Lithic	441	N/A	IMG_7321
WC23	9	7	9005	3	07/07/23	Lithic	401	N/A	IMG_7281
WC23	9	7	9005	1	03/07/23	Lithic	402	N/A	IMG_7282
WC23	9	7	9005	1	03/07/23	Lithic	403	N/A	IMG_7283
WC23	9	7	9005	1	03/07/23	Lithic	404	N/A	IMG_7284
WC23	5	6	5009	1	08/07/23	Bone	405	N/A	IMG_7285
WC23	5	6	5009	1	08/07/23	Bone	406	N/A	IMG_7286
WC23	5	6	5009	1	08/07/23	Bone	407	N/A	IMG_7287
WC23	5	4	5008	6	08/07/23	Lithic	442	N/A	IMG_7322
WC23	5	4	5008	6	08/07/23	Lithic	443	N/A	IMG_7323
WC23	5	4	5008	6	10/07/23	Lithic	445	N/A	IMG_7325
WC23	5	4	5008	6	10/07/23	Lithic	446	N/A	IMG_7326
WC23	5	4	5008	6	10/07/23	Lithic	456	N/A	IMG_7336
WC23	5	4	5008	6	10/07/23	Lithic	457	N/A	IMG_7337
WC23	9	7	9005	3	08/07/23	Lithic	414	N/A	IMG_7294
WC23	9	7	9005	3	08/07/23	Bone	415	N/A	IMG_7295
WC23	9	7	9005	3	08/07/23	Lithic	416	N/A	IMG_7296
WC23	9	7	9005	3	08/07/23	Lithic	417	N/A	IMG_7297
WC23	9	7	9005	3	08/07/23	Lithic	418	N/A	IMG_7298
WC23	9	7	9005	3	08/07/23	Lithic	419	N/A	IMG_7299
WC23	5	6	5009	1	08/07/23	Tooth frag	420	N/A	IMG_7300
WC23	5	4	5008	6	10/07/23	Lithic	459	N/A	IMG_7339
WC23	5	6	5008	N/A (Cleaning)	14/07/23	Lithic	552	N/A	IMG_7432
WC23	5	4	5008	1	28/06/23	Microfauna	N/A	42	IMG_6719

Site Code	Trench/ Test Pit	Square	Context	Spit	Date excavated	Material (as on bag, not verified)	SF no.	Sample no.	Photo
WC23	5	4	5008	2	28/06/23	Microfauna	N/A	45	IMG_6721
WC23	9	7	9005	3	08/07/23	Lithic	425	N/A	IMG_7305
WC23	9	7	9005	3	08/07/23	Lithic	426	N/A	IMG_7306
WC23	9	7	9005	3	08/07/23	Lithic	427	N/A	IMG_7307
WC23	9	7	9005	3	08/07/23	Bone	428	N/A	IMG_7308
WC23	9	7	9005	3	08/07/23	Bone	429	N/A	IMG_7309
WC23	9	7	9005	3	08/07/23	Bone	430	N/A	IMG_7310
WC23	9	7	9005	3	08/07/23	Bone	431	N/A	IMG_7311
WC23	9	7	9005	3	08/07/23	Lithic	432	N/A	IMG_7312
WC23	9	7	9005	3	08/07/23	Lithic	433	N/A	IMG_7313
WC23	9	7	9005	3	08/07/23	Lithic	434	N/A	IMG_7314
WC23	9	7	9005	3	08/07/23	Bone	435	N/A	IMG_7315
WC23	9	7	9005	3	08/07/23	?Yellow ochre	436	N/A	IMG_7316
WC23	5	4	5008	1	27/06/23	Microfauna	N/A	N/A	IMG_6825
WC23	5	4	5008	1	28/06/23	Microfauna	N/A	N/A	IMG_6826
WC23	5	4	5008	2	28/06/23	Microfauna	N/A	N/A	IMG_6827
WC23	5	4	5008	3	29/06/23	Microfauna	N/A	N/A	IMG_6828
WC23	5	4	5008	4	29/06/23	Microfauna	N/A	N/A	IMG_6829
WC23	5	4	5008	5	03/07/23	Microfauna	N/A	N/A	IMG_6830
WC23	5	6	5008	1	05/07/23	Microfauna	N/A	N/A	IMG_6834
WC23	5	6	5008	2	05/07/23	Microfauna	N/A	N/A	IMG_6835
WC23	5	6	5008	3	06/07/23	Microfauna	N/A	N/A	IMG_6836
WC23	5	6	5008	4	07/07/23	Microfauna	N/A	N/A	IMG_6837
WC23	5	6	5008	5	07/07/23	Microfauna	N/A	N/A	IMG_6838
WC23	5	4	5008	6	10/07/23	Mineral	N/A	N/A	IMG_6765
WC23	5	6	5008	5	08/07/23	Mineral	N/A	N/A	IMG_6766
WC23	5	6	5008	2	05/07/23	Shell	N/A	N/A	IMG_6842
WC23	5	6	5008	3	06/07/23	Shell	N/A	N/A	IMG_6843
WC23	9	7	9005	3	10/07/23	?Lithic	452	N/A	IMG_7332

Site Code	Trench/ Test Pit	Square	Context	Spit	Date excavated	Material (as on bag, not verified)	SF no.	Sample no.	Photo
WC23	9	7	9005	3	10/07/23	Lithic	453	N/A	IMG_7333
WC23	9	7	9005	3	10/07/23	Bone	454	N/A	IMG_7334
WC23	9	7	9005	3	10/07/23	Lithic	455	N/A	IMG_7335
WC23	5	4	5008	2	28/06/23	Tooth	110	N/A	IMG_6977
WC23	5	4	5008	3	29/06/23	Tooth	118	N/A	IMG_6985
WC23	5	4	5008	5	03/07/23	Tooth	177	N/A	IMG_7049
WC23	5	4	5008	4	30/06/23	Tooth	369	51	IMG_7245
WC23	5	6	5008	5	08/07/23	Tooth	410	N/A	IMG_7290
WC23	9	7	9005	3	10/07/23	Lithic	461	N/A	IMG_7341
WC23	9	7	9005	3	10/07/23	Lithic	462	N/A	IMG_7342
WC23	9	7	9005	3	10/07/23	Lithic	463	N/A	IMG_7343
WC23	9	7	9005	3	10/07/23	Lithic	464	N/A	IMG_7344
WC23	9	7	9005	3	10/07/23	Lithic	465	N/A	IMG_7345
WC23	9	7	9005	3	10/07/23	?Bone	466	N/A	IMG_7346
WC23	5	4	5009	3	10/07/23	Lithic	467	N/A	IMG_7347
WC23	5	4	5009	3	10/07/23	Bone	468	N/A	IMG_7348
WC23	5	4	5009	3	10/07/23	Lithic	469	N/A	IMG_7349
WC23	5	4	5009	3	10/07/23	Bone	470	N/A	IMG_7350
WC23	5	4	5009	3	10/07/23	?Lithic	471	N/A	IMG_7351
WC23	5	4	5009	3	10/07/23	Lithic	472	N/A	IMG_7352
WC23	9	7	9005	3	10/07/23	Lithic	473	N/A	IMG_7353
WC23	9	7	9005	3	10/07/23	Lithic	474	N/A	IMG_7354
WC23	9	7	9005	3	10/07/23	Bone	475	N/A	IMG_7355
WC23	9	7	9005	3	10/07/23	Lithic	476	N/A	IMG_7356
WC23	5	4	5009	3	10/07/23	Lithic	477	N/A	IMG_7357
WC23	5	4	5009	3	10/07/23	Lithic	478	N/A	IMG_7358
WC23	9	7	9005	3	10/07/23	Lithic	479	N/A	IMG_7359
WC23	5	4	5009	4	11/07/23	Bone	480	N/A	IMG_7360
WC23	5	4	5009	4	11/07/23	?Lithic	481	N/A	IMG_7361

Site Code	Trench/ Test Pit	Square	Context	Spit	Date excavated	Material (as on bag, not verified)	SF no.	Sample no.	Photo
WC23	5	4	5009	4	11/07/23	Lithic	482	N/A	IMG_7362
WC23	5	4	5009	4	11/07/23	Bone	483	N/A	IMG_7363
WC23	5	4	5009	4	11/07/23	Lithic	484	N/A	IMG_7364
WC23	5	4	5009	4	11/07/23	Lithic	485	N/A	IMG_7365
WC23	9	7	9005	3	10/07/23	Lithic	486	N/A	IMG_7366
WC23	5	4	5009	5	11/07/23	Lithic	487	N/A	IMG_7367
WC23	5	4	5009	5	11/07/23	Lithic	488	N/A	IMG_7368
WC23	5	4	5009	5	11/07/23	Lithic	489	N/A	IMG_7369
WC23	5	4	5009	5	11/07/23	?Lithic	490	N/A	IMG_7370
WC23	5	4	5009	5	11/07/23	Tooth	491	N/A	IMG_7371
WC23	5	4	5010	1	11/07/23	?Bone/shell	492	N/A	IMG_7372
WC23	5	4	5010	1	11/07/23	Lithic	493	N/A	IMG_7373
WC23	5	4	5010	1	11/07/23	Lithic	494	N/A	IMG_7374
WC23	5	4	5010	1	11/07/23	Lithic	495	N/A	IMG_7375
WC23	5	4	5010	1	11/07/23	Bone	496	N/A	IMG_7376
WC23	5	4	5010	1	11/07/23	?Lithic	497	N/A	IMG_7377
WC23	5	4	5010	1	11/07/23	Lithic	498	N/A	IMG_7378
WC23	5	4	5010	1	11/07/23	?Lithic	499	N/A	IMG_7379
WC23	5	4	5010	1	11/07/23	Lithic	500	N/A	IMG_7380
WC23	5	4	5010	1	11/07/23	Lithic	501	N/A	IMG_7381
WC23	9	7	9005	4	11/07/23	Lithic	502	N/A	IMG_7382
WC23	9	7	9005	4	11/07/23	Bone	503	N/A	IMG_7383
WC23	9	7	9005	4	11/07/23	Lithic	504	N/A	IMG_7384
WC23	9	7	9005	4	11/07/23	Bone	505	N/A	IMG_7385
WC23	9	7	9005	4	11/07/23	Lithic	506	N/A	IMG_7386
WC23	9	7	9005	4	11/07/23	Lithic	507	N/A	IMG_7387
WC23	9	7	9005	4	11/07/23	Bone	508	N/A	IMG_7388
WC23	5	4	5010	1	11/07/23	?Bone	509	N/A	IMG_7389
WC23	5	4	5010	1	11/07/23	Bone	510	N/A	IMG_7390

Site Code	Trench/ Test Pit	Square	Context	Spit	Date excavated	Material (as on bag, not verified)	SF no.	Sample no.	Photo
WC23	5	4	5010	1	11/07/23	Lithic	511	N/A	IMG_7391
WC23	5	4	5010	1	11/07/23	Bone	512	N/A	IMG_7392
WC23	5	4	5010	1	11/07/23	?Lithic	513	N/A	IMG_7393
WC23	5	4	5010	1	11/07/23	?Lithic	514	N/A	IMG_7394
WC23	5	4	5010	1	11/07/23	Lithic	515	N/A	IMG_7395
WC23	5	4	5010	1	11/07/23	?Lithic	516	N/A	IMG_7396
WC23	5	4	5010	1	11/07/23	Lithic	517	N/A	IMG_7397
WC23	5	4	5010	1	11/07/23	Lithic	518	N/A	IMG_7398
WC23	5	4	5010	1	11/07/23	Lithic	519	N/A	IMG_7399
WC23	5	4	5010	1	11/07/23	?Ivory	520	N/A	IMG_7400
WC23	5	4	5010	1	11/07/23	Lithic	521	N/A	IMG_7401
WC23	5	4	5010	1	11/07/23	Lithic	522	N/A	IMG_7402
WC23	9	7	9005	4	11/07/23	Bone	523	N/A	IMG_7403
WC23	9	7	9005	4	11/07/23	Bone	524	N/A	IMG_7404
WC23	5	4	5010	2	12/07/23	Bone	525	N/A	IMG_7405
WC23	5	4	5010	2	12/07/23	Lithic	526	N/A	IMG_7420
WC23	5	4	5010	2	12/07/23	Bone	527	N/A	IMG_7406
WC23	5	4	5010	2	12/07/23	Bone	528	N/A	IMG_7407
WC23	5	4	5010	2	12/07/23	?Lithic	529	N/A	IMG_7408
WC23	5	4	5010	2	12/07/23	?Lithic	530	N/A	IMG_7409
WC23	5	4	5010	2	12/07/23	Lithic	531	N/A	IMG_7410
WC23	5	4	5010	2	12/07/23	Lithic	532	N/A	IMG_7411
WC23	9	7	9005	4	12/07/23	Bone	533	N/A	IMG_7412
WC23	9	7	9005	4	12/07/23	Lithic	534	N/A	IMG_7413
WC23	9	7	9005	4	12/07/23	Tooth	535	N/A	IMG_7414
WC23	9	7	9005	4	12/07/23	Bone	536	N/A	IMG_7415
WC23	9	7	9005	4	12/07/23	Bone	537	N/A	IMG_7416
WC23	9	7	9005	4	12/07/23	Lithic	538	N/A	IMG_7417
WC23	9	7	9005	4	12/07/23	?Bone	539	N/A	IMG_7418

Site Code	Trench/ Test Pit	Square	Context	Spit	Date excavated	Material (as on bag, not verified)	SF no.	Sample no.	Photo
WC23	9	7	9005	4	12/07/23	Bone	540	N/A	IMG_7419
WC23	9	7	9005	4	12/07/23	?Lithic	541	N/A	IMG_7421
WC23	9	7	9005	4	12/07/23	Lithic	542	N/A	IMG_7422
WC23	9	7	9005	4	12/07/23	Lithic	543	N/A	IMG_7423
WC23	9	7	9005	4	12/07/23	Bone	544	N/A	IMG_7424
WC23	9	7	9005	4	12/07/23	Bone	545	N/A	IMG_7425
WC23	9	7	9005	4	12/07/23	Lithic	546	N/A	IMG_7426
WC23	9	7	9005	4	12/07/23	Lithic	547	N/A	IMG_7427
WC23	9	7	9005	4	12/07/23	?Lithic	548	N/A	IMG_7428
WC23	9	7	9005	4	12/07/23	Lithic	549	N/A	IMG_7429
WC23	5	6	5006	N/A (Cleaning)	13/07/23	Lithic	550	N/A	IMG_7430
WC23	5	4	5010	N/A (Cleaning)	14/07/23	Tooth	551	N/A	IMG_7431
WC23	5	4	5008	6	10/07/23	Tooth	448	N/A	IMG_7328

APPENDIX 2: SAMPLING PROTOCOLS AND SAMPLES COLLECTED

All excavated deposits were screened using a 7 mm gauge dry sieve, or a 1 mm or 0.5 mm gauge wet sieve.

All material processed through the wet sieves was allocated a sample number. All wet-sieved deposits were then searched for archaeological and palaeontological material.

Most wet-sieved material was passed through a 1 mm gauge wet sieve. Residues from this were then searched for lithics, fragments of osseous material, shell and larger/more complete microfaunal specimens. Smaller samples were passed through a 0.5 mm gauge wet sieve. Residues from these samples were then searched for lithics, fragments of osseous material, shell and all microfaunal pieces. After the removal of archaeological/ palaeontological material, the mineral fraction from deposits passed through the 0.5 mm gauge sieve was kept for archive reference.

Additional small samples for each geological context were collected during excavation. These were not processed and are intended for future reference.

At the end of the excavation, other samples were collected from the trench walls (see section figures in the main report for their locations). These were collected with specific analyses in mind. Samples 109-111 (Trench 9) and 126-130 (Trench 5) are appropriate for tephra, pollen etc. analyses. Samples 101-108 (Trench 9) and Samples 112-125 (Trench 5) are appropriate for aDNA analysis. All samples from Trench 5 were taken by JB; all samples from Trench 9 were taken by JMc.

Collection of samples destined for aDNA analysis followed protocols provided by research staff at the Department of Evolutionary Genetics, Max Planck Institute for Evolutionary Anthropology (Leipzig, Germany). After cleaning of the section, a sterilised implement (e.g. scalpel, tongue depressor) was used to remove 1-2cm of surface material from the sampling site. A new sterile scalpel was then used to collect sediment into sterile tubes. Where the geological composition of the deposit allowed, the sterile tubes were instead pushed directly into the cleaned surface. A new implement was used for cleaning each sample area and again for taking each sample. During collection of the aDNA samples JB and JMc wore disposable coveralls, face masks and gloves. Gloves were changed after cleaning of each sample area and again after collection of each sample. LT aided Trench 9 sampling and HB aided Trench 5 sampling, helping to change JMc/JB's gloves, switching scalpels etc. During sampling LT and HB wore face masks and gloves. To minimise risk of contamination, samples were collected from bottom to top. Samples destined for aDNA analysis were refrigerated after collection and have since been stored in a refrigerator.

For samples for tephra, pollen etc. analysis, the sample area was cleaned and then a scalpel used to collect the sediment. Scalpels were cleaned after each surface preparation and collection of each sample.

The table overleaf details all samples collected and/or processed during the June/July 2023 fieldwork.

Date excavated/ sampled	Trench	Square	Context	Spit	Sample n°	Notes
21/06/23	9	4	9002	1	001	Sample not screened
21/06/23	9	4	9003	1	002	Sample not screened
21/06/23	8	4	8003	1	003	Sample not screened
21/06/23	5	4	5006	2	004	Sample not screened
21/06/23	9	1	9004	1	005	Sample not screened
22/06/23	5	4	5006	2	006	10% of excavated deposit for 0.5mm screening; all residue retained
22/06/23	5	4	5006	2	007	90% of excavated deposit
22/06/23	9	4	9004	2	008	Charcoal deposit
22/06/23	8	4	8005	1	009	Sample not screened
22/06/23	5	4	5006	3	010	Sample not screened
22/06/23	5	4	5006	3	011	10% of excavated deposit for 0.5mm screening; all residue retained
22/06/23	5	4	5006	3	012	90% of excavated deposit
22/06/23	5	4	5006	4	013	Sample not screened
22/06/23	5	4	5006	4	014	10% of excavated deposit for 0.5mm screening; all residue retained
22/06/23	5	4	5006	4	015	90% of excavated deposit
23/06/23	8	4	8004	1	016	Sample not screened
23/06/23	5	4	5006	5	017	10% of excavated deposit for 0.5mm screening; all residue retained
23/06/23	5	4	5006	5	018	20% of excavated deposit
23/06/23	8	4	8006	1	019	Sample not screened
23/06/23	8	4	8007	1	020	Sample not screened
23/06/23	5	4	5006	6	021	10% of excavated deposit for 0.5mm screening; all residue retained
23/06/23	5	4	5006	6	022	20% of excavated deposit
22+23/06/23	5	4	5006	7	023	10% of excavated deposit for 0.5mm screening; all residue retained
22+23/06/23	5	4	5006	7	024	90% of excavated deposit
24+26/06/23	5	4	5006	8	025	10% of excavated deposit for 0.5mm screening; all residue retained
24+26/06/23	5	4	5006	8	026	90% of excavated deposit
26/06/23	9	4	9005	2	027	Spot sample of dark deposit in E corner of square
26/06/23	9	4	9005	2	028	Sample not screened
26/06/23	5	4	5007	1	029	10% of excavated deposit for 0.5mm screening; all residue retained
26/06/23	5	4	5007	1	030	90% of excavated deposit
26/06/23	9	4	9005	2	031	10% of excavated deposit for 0.5mm screening; all residue retained
26/06/23	9	4	9005	2	032	40% of excavated deposit
27/06/23	5	4	5008	1	033	Sample not screened
27/06/23	5	4	5007	3	034	10% of excavated deposit for 0.5mm screening; all residue retained
27/06/23	5	4	5007	3	035	90% of excavated deposit
27/06/23	5	4	5007	2	036	10% of excavated deposit for 0.5mm screening; all residue retained
27/06/23	5	4	5007	2	037	90% of excavated deposit
28/06/23	9	4	9005	1	038	10% of excavated deposit for 0.5mm screening; all residue retained
28/06/23	9	4	9005	1	039	40% of excavated deposit
28/06/23	8	4	8008	1	040	Sample not screened

Date excavated/ sampled	Trench	Square	Context	Spit	Sample n°	Notes
27/06/23	5	4	5008	1	041	10% of excavated deposit for 0.5mm screening; all residue retained
27+28/06/23	5	4	5008	1	042	90% of excavated deposit
28/06/23	8	4	8009	1	043	Sample not screened
28/06/23	5	4	5008	2	044	10% of excavated deposit for 0.5mm screening; all residue retained
28/06/23	5	4	5008	2	045	90% of excavated deposit
29/06/23	9	4	9005	2	046	10% of excavated deposit for 0.5mm screening; all residue retained
29/06/23	9	4	9005	2	047	40% of excavated deposit
29/06/23	5	4	5008	3	048	10% of excavated deposit for 0.5mm screening; all residue retained
29/06/23	5	4	5008	3	049	90% of excavated deposit
30/06/23	5	4	5008	4	050	10% of excavated deposit for 0.5mm screening; all residue retained
29+30/06/23	5	4	5008	4	051	90% of excavated deposit
30/06/23	5	4	5009	1	052	Sample not screened
01/07/23	8	4	8010	1	053	Sample not screened
03/07/23	5	4	5008	5	054	10% of excavated deposit for 0.5mm screening; all residue retained
30/06+03/07/23	5	4	5008	5	055	90% of excavated deposit
30/06/23	5	4	5009	1	056	10% of excavated deposit for 0.5mm screening; all residue retained
30/06/23	5	4	5009	1	057	90% of excavated deposit
03/07/23	5	4	5009	2	058	10% of excavated deposit for 0.5mm screening; all residue retained
03/07/23	5	4	5009	2	059	90% of excavated deposit
04/07/23	9	7	9005	1	060	10% of excavated deposit for 0.5mm screening; all residue retained
04/07/23	9	7	9005	1	061	40% of excavated deposit
04/07/23	5	6	5007	2	062	10% of excavated deposit for 0.5mm screening; all residue retained
04/07/23	5	6	5007	2	063	90% of excavated deposit
04/07/23	5	6	5007	3	064	10% of excavated deposit for 0.5mm screening; all residue retained
04/07/23	5	6	5007	3	065	90% of excavated deposit
05/07/23	5	6	5008	1	066	10% of excavated deposit for 0.5mm screening; all residue retained
05/07/23	5	6	5008	1	067	90% of excavated deposit
04+05/07/23	9	4	9005	3	068	10% of excavated deposit for 0.5mm screening; all residue retained
05/07/23	9	4	9005	3	069	40% of excavated deposit
05/07/23	5	6	5008	2	070	10% of excavated deposit for 0.5mm screening; all residue retained
05/07/23	5	6	5008	2	071	90% of excavated deposit
06/07/23	5	6	5008	3	072	10% of excavated deposit for 0.5mm screening; all residue retained
06/07/23	5	6	5008	3	073	90% of excavated deposit
06/07/23	9	4	9005	4	074	10% of excavated deposit for 0.5mm screening; all residue retained
06/07/23	9	4	9005	4	075	40% of excavated deposit
06+07/07/23	9	7	9005	2	076	10% of excavated deposit for 0.5mm screening; all residue retained
06+07/07/23	9	7	9005	2	077	40% of excavated deposit

Date excavated/ sampled	Trench	Square	Context	Spit	Sample n°	Notes
06+07/07/23	5	6	5008	4	078	10% of excavated deposit for 0.5mm screening; all residue retained
06+07/07/23	5	6	5008	4	079	90% of excavated deposit
08/07/23	5	6	5009	1	080	10% of excavated deposit for 0.5mm screening; all residue retained
08/07/23	5	6	5009	1	081	90% of excavated deposit
08/07/23	5	6	5008	5	082	10% of excavated deposit for 0.5mm screening; all residue retained
07+08/07/23	5	6	5008	5	083	90% of excavated deposit
08/07/23	5	4	5008	6	084	10% of excavated deposit for 0.5mm screening; all residue retained
08+10/07/23	5	4	5008	6	085	90% of excavated deposit
10/07/23	5	4	5009	3	086	10% of excavated deposit for 0.5mm screening; all residue retained
10/07/23	5	4	5009	3	087	90% of excavated deposit
10/07/23	9	7	9005	3	088	10% of excavated deposit for 0.5mm screening; all residue retained
07+ 08+10/07/23	9	7	9005	3	089	40% of excavated deposit
10/07/23	5	4	5009	4	090	10% of excavated deposit for 0.5mm screening; all residue retained
10+11/07/23	5	4	5009	4	091	90% of excavated deposit
11/07/23	5	4	5009	5	092	10% of excavated deposit for 0.5mm screening; all residue retained
11/07/23	5	4	5009	5	093	90% of excavated deposit
11/07/23	5	4	5010	1	094	Sample not screened
11/07/23	5	4	5010	1	095	10% of excavated deposit for 0.5mm screening; all residue retained
11/07/23	5	4	5010	1	096	90% of excavated deposit
12/07/23	5	4	5010	2	097	10% of excavated deposit for 0.5mm screening; all residue retained
11+12/07/23	5	4	5010	2	098	90% of excavated deposit
11+12/07/23	9	7	9005	4	099	10% of excavated deposit for 0.5mm screening; all residue retained
11+12/07/23	9	7	9005	4	100	40% of excavated deposit
13/07/23	9	7	9005		101	aDNA sample
13/07/23	9	7	9005		102	aDNA sample
13/07/23	9	7	9005		103	aDNA sample
13/07/23	9	7	9005		104	aDNA sample
13/07/23	9	7	9005		105	aDNA sample
13/07/23	9	7	9005		106	aDNA sample
13/07/23	9	7	9005		107	aDNA sample
13/07/23	9	7	9005		108	aDNA sample
13/07/23	9	7	9005		109	Sedimentological sample
13/07/23	9	7	9005		110	Sedimentological sample
13/07/23	9	7	9005		111	Sedimentological sample
14/07/23	5	4	5010		112	aDNA sample
14/07/23	5	4	5010		113	aDNA sample
14/07/23	5	4	5009		114	aDNA sample
14/07/23	5	4	5009		115	aDNA sample
14/07/23	5	4	5008		116	aDNA sample
14/07/23	5	4	5008		117	aDNA sample

Date excavated/ sampled	Trench	Square	Context	Spit	Sample n°	Notes
14/07/23	5	4	5007		118	aDNA sample
14/07/23	5	4	5007		119	aDNA sample
14/07/23	5	4	5008		120	aDNA sample
14/07/23	5	4	5008		121	aDNA sample
14/07/23	5	4	5008		122	aDNA sample
14/07/23	5	4	5006		123	aDNA sample
14/07/23	5	4	5006		124	aDNA sample
14/07/23	5	4	5006		125	aDNA sample
14/07/23	5	4	5006		126	Sedimentological sample
14/07/23	5	4	5007		127	Sedimentological sample
14/07/23	5	4	5008		128	Sedimentological sample
14/07/23	5	4	5009		129	Sedimentological sample
14/07/23	5	4	5010		130	Sedimentological sample

Appendix 3: On-site personnel during the 2023 excavations

On-site personnel, with the initials used in the paper archive:

- Geraint Lloyd: GL
- Jude Walters: JW
- Rob Walters: RW
- John Boulton: JB
- Jonquil Mogg: JM
- Elena Navarro: EN
- Laura Taylor: LT
- Robin Worsman: RWor
- Nea Craig: NC
- Jonny McChesney: JMc
- Tom MacMillan: TM
- Blake Hervé: BH
- Meg Mearns: MM
- Hannah Braniff: HB
- Becky Underwood: BU
- Rob Dinnis: RD
- Fiona Holloran: FH
- Katie Morrison: KM
- Sandra Bosanquet: SB
- Dave Fisher: DF
- Andy Williams: AW
- Dylan Freeman: DF
- Chris Scott: CS
- Jenni French: JF

APPENDIX 4: REINSTATED EXCAVATION AREAS AT CLOSE OF FIELDWORK

During the summer 2023 fieldwork, excavation was limited to Trenches 5, 8 and 9. The trenches were lined with geotextile prior to backfilling. Due to the wet-sieve processing of a large quantity of sediment, the trenches were backfilled with limestone chips in addition to the spoil from our work.

Photographs of working areas following backfill:

Trench 5:

Trench 8:

Trench 9: