

Preliminary Report of Archaeological Excavations at Hayatabad, Peshawar: Field Season 2019

Gul Rahim Khan^{a,*}, Ibrahim Shah^a and Abdul Samad^b

^a Department of Archaeology, University of Peshawar, Peshawar, Pakistan

^b Directorate of Archaeology and Museums, Government of Khyber Pakhtunkhwa, Peshawar, Pakistan.

Abstract: This preliminary report is based on the archaeological investigations conducted by the Department of Archaeology, University of Peshawar, at the Hayatabad site for the third field season from February to May 2019. The Department of Archaeology has already executed field explorations and excavations at the same site in 2017 and 2018, whose reports have been published in this journal (Khan *et al.* 2019, 2020). These excavations brought into light structural remains and numerous archaeological finds like coins, terracotta figurines, stone and terracotta beads, stone tools, pottery and iron objects. The evidences reveals that the site under discussion had been occupied from the second century BCE to the end of second century CE. Accordingly, it was founded during the time of the Indo-Greeks and remained in occupation until the rule of the Great Kushans. The characteristic features of this site are the smith workshops systematically built in a sequence at different levels of occupation. In addition, a group of workshops within proper enclosures was found in a compound area bounded by massive walls. These workshops were equipped with working platforms, furnaces, fixed crucibles, grinding stones, stone anvils and large quenching pots.

Keywords: Hayatabad, smith workshops, coins, pottery, stone pestles, figurines, Indo-Greeks, Indo-Scythians, Kushans

Introduction

This archaeological site, located due west of Filling Station in Hayatabad (Phase V), lies within the plot allotted to the Edwards School and College Peshawar. In view of the Google Earth reading, the excavated area of the sites is placed at 33°59'42.66"N and 71°26'30.06"E (Fig. 1). According to the geographical archives of the Google Earth Maps, the site was extended towards north up to across the main Torkham Road. Perhaps it was further extended towards north, the area beyond the roadside was once used as Afghan refugees camp after 1978. The refugees camp is now abandoned, the area is cleared up, and the *kaccha* houses of the refugees have been levelled to convert this part of the site into a flat land. The existing area of the mound (south of the drain) is found intact, which yielded remarkable results during excavations.

In view of the encouraging results of the previous excavations, location and physical condition of the site, the Department of

Archaeology, University of Peshawar, was keen to resume excavations for the third field season during the summer in 2019. Thus, we successfully carried out the third seasonal excavation with the main objective in mind to get more archaeological evidence to widen the scope of our understanding of the cultural activities at the site duly complemented by the other objective of providing an opportunity to the students for their field training. This year too, the excavation was conducted under the supervision of Professor Ibrahim Shah, Chairman of the Department of Archaeology. The field team also remained the same; led by Professor Gul Rahim Khan and assisted by Mr. Muhammad Naeem Bacha (Surveyor-cum-draughtsman) and the BS, MA, MPhil and PhD students.

For this wonderful experience, we are grateful to Mr. Humphrey Sarfaraz Peters, Bishop of Peshawar, for granting approval to resume our field work here and for extending all kind of cooperation and support, which concluded our excavations in a very promising manner. Our discussion with him

* Corresponding author: Gul Rahim Khan ✉ graham2006@uop.edu.pk

in the light of the published reports of previous excavations at the site increased his curiosity to dig up at the site further to know more about the cultural heritage of the region. He assured us to extend moral and material support to conserve and preserve significant architectural features and remains of metallurgical installations at the site for the purpose of promoting heritage value on one hand and to develop it partly as a cultural tourism spot on the other. We pay our debt of gratitude to Professor Sara Safdar, Secretary to the Bishop, for her kind help and cooperation. She was also keenly interested in archaeological value of the site and its significant cultural history that has opened our eyes about the technological advancement of Peshawar during the second/first century BCE. The Department of Archaeology pays thanks to the Peshawar Development Authority (PDA) for its continuous support provided to our field activities. We are also thankful to Dr. Abdul Samad, Director, Directorate of Archaeology and Museums, Government of Khyber Pakhtunkhwa, who regularly granted us licence and extended moral support to further our field activities at the Hayatabad site. We are grateful to the Vice Chancellor and treasury staff of the University of Peshawar for financial and logistic support for this research programme.

Fresh Excavations

In the third field season, we extended our excavations towards south and east sides along the trenches opened during the previous field work.

To the south side, we initially selected six trenches for digging duly marked as AI/22, AI/23, BI/2, BI/3, AI/ 25 and AII/21 and then, to the east and southeast, we further selected six more trenches, i.e. AII/12, AII/ 13, AII/17, AII/18, AII/22 and AII/23 respectively. In addition, we reopened our previous trench AI/17, which was left incomplete due to complex structures found in the upper strata during 2017 excavations. Accordingly, we worked altogether in thirteen trenches. The size of each trench was 6x6 metre (including baulk).

We took start of fresh excavations from AI/17 and there we reached the virgin soil at the depth of 4.5 feet. This trench was certainly a workshop

compound continuously used in three different periods. The stone structures found here were superimposed in three occupational levels. Three circular furnaces and four stone walls were found together just after layer 1 (Pl. 3b). These stone walls make a rectangular room with long parallel walls lying east to west and small walls north to south. The long walls are intact and well finished in their alignments. These walls consisted of two to three courses and the southwest corner was left open perhaps for a door or structure has collapsed in due course of time. Of these, the south wall lay in trench AI/22 and the east in the baulk of AI/18. These upper-level structures with contemporary layers (nos. 1-4) belong to the Kushan period. Below this, there is a small cubical room of stone structures exposed in the northeast corner of the compartment and trench under discussion. Two of its walls on the north and east lay underneath the previous walls (Pls. 6a-b, 7a). One large broken pot inside the room and many broken potsherds outside were found scattered at the same floor level (Pls. 4b, 5a, 7b). This cubical room might be associated with the Indo-Scythian period, who ruled before the Kushans. Beneath this, further stone structures on the three sides, i.e. north, east and south, were lying in the same orientation as the structure of the upper strata (i.e. the Kushans) were exposed. Large and regular stone blocks were used in the construction of these walls. Along with these walls, we found a large circular crucible with stone foundation and a rectangular furnace filled with ashes in the southeast corner of the large rectangular room (Pls. 8a-b). These features obviously belong to the Indo-Greek period.

To the south of AI/17, we started work in trenches AI/22 and AI/23 simultaneously. One long stone structure perhaps built in two phases (periods) lies in east-west orientation and just described in the structures found in trench AI/17. The remaining structures of this trench (AI/22) are collapsed and in ruined condition. However, one stone structure of north-south orientation is found along the western section of trench AI/22 and a foundation corner of two mud-walls appeared in the east side. One mud wall is coming from south side and another from east side, i.e.,

trench AI/23, and joined at northeast corner of the trench. A large stone anvil in rectangular shape is reported from the same level. This wall seems to be of the Indo-Greek period. Besides this, traces of another mudbrick wall in east-west orientation was also exposed along the southern section of the trench.

The general features of trench AI/23 are almost the same as we noted in AI/22. The walls exposed in this trench are found in north-south and east-west orientations. A narrow stone wall was found in east-west direction along the entire northern section of the trench and joined by another wall at the northeast corner. The second wall partly broken in the middle was likewise found parallel with the eastern section of the trench (Pl. 3a). Corresponding to the afore-mentioned walls, fragmentary stone structures of a square room can be seen in the southeast and northwest sides of the trench, but they are collapsed and not so noteworthy as to be discussed here. The western wall was erected in two stages and perhaps belonged to the Indo-Scythian and Kushan periods (Pl. 9a). A foundation of mudbrick wall in east-west orientation was exposed in the middle of the trench. The terminal ends of mud structure occurred underneath the foundation of the above-mentioned stone structures (Pl. 5b). This structure belongs to the Indo-Greek period. Along with stone structure, we found three circular furnaces, one rough type of crucible, one stone anvil, two grinding stones and a large broken storage jar in the upper strata.

A long wall of mudbricks exposed in trench AI/22 seems interesting due to its clear alignment of large bricks and thick size of the wall. In search of this wall, we opened two more trenches, i.e. BI/2 and BI/3. Accordingly, we fully exposed this wall which was a long and huge mud-brick structure lies in east-west orientation (Pl. 11c). Beside this, a fragment of stone wall was built parallel on the south side of this huge wall.

After this, we moved to trenches AI/25 and AII/21, a southern extension of previous excavations. In this area, we cleared up both trenches in minimum time and reached the virgin soil at the depth of merely 2.5 feet. This particular area reveals that early occupation

was made in raised terrace of the site. In these trenches, there was no regular stone structure, but we noted fallen debris of a long stone structures in east-west orientation found scattered along the northern section of two trenches. A group of four compartments can be seen together in both trenches. A junction of these structures was found almost in the middle or slightly towards south of these trenches. The remains of six walls indicate that these compartments were made of mud-bricks. In other features, we found a perfect conical crucible with stone foundation AI/25 (Pls. 14a, 15c-d). Similarly, in trench AII/21, we unearthed a U-shaped oven (Pls. 14b, 15a) along the mud structure; it is supported by three individual stones on the three sides and filled with ashes. On the right side of the oven, there was a large stone anvil and on its left side a fragile ladle of iron (Pl. 15b) found at short distances. In the middle of trench AII/21, a small mud oven in semi-circular shape (Pl. 14c) excavated in the upper level and a circular pit (dump area) of considerable size filled with ashes in the lower level (Pls. 13b, 14a-b). The mudbrick structures and related features, particularly crucible, belonged to the Indo-Greek period.

In the third stage of excavation, we carried out deep work in six trenches (AII/12, AII/13, AII/17, AII/18, AII/22, AII/23) located to the east of the trenches exposed above. In the beginning, we opened these trenches one by one and then went deep simultaneously when layout of structures became clear. The plan of structures of this zone was different and fascinating where a special workshop complex seems to have been established. On the west, this area was bounded by a huge structure of mud lumps inserted with large mudbricks at regular intervals. A similar structure was also exposed in the east side, which seems parallel to the west side wall, but we did not excavate it due to the limits of marked trenches and financial constraints. The walls were erected apparently in two phases of construction still found up to considerable height. In the east side of this compound, we touched the virgin soil at the depth of 6.3 feet, which is the deepest level of occupation at the site known so far.

This independent zone of workshop consisted

of four rooms in a row (north-south) with a narrow corridor on the west and, in later period, it was blocked by a stone wall towards the north side. On the east side, there is another series of three connected rooms and the southeast chamber fully exposed is longer but narrow in dimension (Pl. 19c). The central chamber of smith workshop was furnished with variety of fixtures and a key example of its kind so far reported from the site. This workshop contains two crucibles, twin circular furnaces, two stone anvils, one quenching port and a square oven of hard clay filled with ashes and charcoals usually installed in the middle strata. This workshop also comprises an attached storage area for keeping tools and raw material (Pls. 17b, 24a-b, 26a-b). The southern room of the same size in a central row accommodates a base of quenching pot and a circular furnace all found in the upper strata (Pls. 17a, 19c). To the north of the main chamber, there is a rectangular room later blocked by a small wall from corridor side. In this area, we unearthed a circular furnace in the upper layer and large rectangular furnace and many small postholes made on floor level in the lower layers (Pls. 22b, 26a-b). To the north of this room, there was another smith chamber equipped with two circular furnaces, shallow crucible with inner chamber for fire and a quenching pot (Pls. 20c, 22a, 28d-f). These features, except a quenching pot usually installed on the floor level in the lower layers. The southeast, long chamber contained a semi-circular oven and a stone anvil. To the east of the central chamber, there is a small portion of another room comprised of a series of three shallow ovens in rectangular shape. These ovens were built at regular intervals and filled with ashes and charcoals (Pls. 27a-b). This series of oven was unearthed in the upper strata.

Another interesting feature of this area is perhaps a kitchen. It was found in AII/12 outside the main compound. The kitchen was built in a small square room (partly missing), which contained large number of terracotta utensils mostly in broken condition (Pls. 21a-b). These fragmentary objects include small goblets, jars, pitchers, bowls, a storage pot and a grinding stone. They were all found at the lower floor level mixed with ashes.

Structural Remains

The excavated area of all trenches dominantly consists of workshop area. The layout of structures and their alignments was the same as we observed in the previous excavations (i.e., 2017 and 2018). But due to some new variety of structures, these walls are known in six types of masonry:

- a. Semi-diaper,
- b. Walls of different stones mixed with mud lumps,
- c. Rough stone courses filled with mud lumps,
- d. Single mudbrick walls,
- e. Multiple mudbrick walls, and
- f. Mudbricks within lump structure.

The average width of stone walls is 60 centimeters (a-c), single mudbrick wall 30 centimeters (d), multi mudbrick wall 150 centimeters (e) and compound wall (mud-lumps and bricks) 260 centimeters (f). The semi-diaper masonry is known in two examples reported from a deep level of excavations at AII/13 (Pls. 19a-b). The latter variety of walls (var. f) are the exceptional examples as they were unearthed for the first time. These types of massive structures were obviously used in the boundary walls of smith compounds. The massive mud-walls accommodating mudbricks in rows of four alignments are known from two different areas. Of these, one example lying in east-west orientation is reported from trenches AI/22, AI/23 and BI/3, and another also made in north-south direction from AII/18 and AII/23 (Pls. 18b, 19c, 20a). The latter example is a superimposed structure made over the wall of small stones. Parallel to it, similar wall lying in north-south alignment was built as the western boundary wall for the compound of smith workshop. It is known from trenches AII/12, AII/17 and AII/22 (Fig. 4, Pls. 16b, 20a, 23b, 25b, 26a, 28a-b). This wall is made of hard mud-lumps whereas large square mudbricks are inserted into it at regular intervals. The structure of this variety (var. f) is quite different from other mudbrick walls.

The mudbrick walls are usually seen in the structures of early level and often reported from

trenches AI/22, AI/23, AI/25 and AII/21. In many examples, certain walls are identified by the alignment of one or two courses of mudbricks (Fig. 3, Pls. 5b, 13b, 14a). In trench AI/23, only the foundation of a mudbrick wall (east-west positioning) is traced out while its ends (east and west) are lying underneath the bases of the upper-level stone walls (Fig. 3, Pl. 5b). In one specimen, this type of wall was built over the early period stone wall running east to west orientation in trench AII/18 (Fig. 4, Pl. 26b).

In view of the workshop designs, some structures were made in more sophisticated form. Of these, a series of five (perhaps more) workshops was built in a rectangular compound unearthed at AII/12, AII/13, AII/17, AII/18, AII/22 and AII/23 (Fig. 4, Pls. 16b, 19c, 20a, 25a-b, 26a-b). The walls of these workshops are usually intact and made in two phases of construction. These structures were built in superimposed position where the walls of the later phase were erected over the same alignment of previous remains. In two cases, the lower walls were made in semi-diaper masonry (Pls. 19a-b). On the east and west sides, this compound was bounded by massive walls (vars. e-f). These workshops were made in the form of square and rectangular rooms (Fig. 4, Pls. 19c, 20a, 25a-b, 26a-b).

Some architectural remains are very important for understanding the occupational phases and chronology of the site. The more intact stone walls are known from trenches AI/17 and AI/18. The trench AI/18 was already dug out during our previous excavations, but partly re-exposed to know about the nature, position and connection of different walls found in junction one above the other. It is interesting to note that some structures of one phase are identified by a single course of stones wall. As described earlier, a rectangular workshop of the late phase preceded by a small cubical room perhaps used as storage area was built within walls of the early and the late phases of structures. Two of its walls are plunged into main walls of the early and the late phases workshop but the walls of the middle phase slightly project out of the main alignment and hence occurred parallel to its other two walls. This middle phase structure consists of two courses of rough stone

masonry (Fig. 3, Pls. 6a-b, 7a-b, 8a-b).

Furnaces and Workshops

Our excavations for three consecutive field seasons have revealed the fact that the Hayatabad site is well known for the establishment of smith workshops. In 2017, we identified eight smith chambers, while in 2018, we noticed six more compartments of smith workshops (Khan *et al.* 2019, 2020). In continuation to this series, we unearthed twelve more workshops during the third season of excavations. The newly exposed workshops are marked with the serial number W15 to W26. The size and nature of rooms vary from area to area and period to period. In previous excavations, we recognised such workshops with occurrences of two features found together in one compound. But this year, some workshops are also marked by a single feature due to the nature of disturbance and cutting edges of area. The remaining features perhaps would have been dislocated due to the recent past constructions and other activities carried out at the site. These workshops, as described in our previous reports, usually represented by furnaces, ovens, anvils, crucibles, quenching pots and grinding stones. Sometimes dumped ashes are also found in adjacent pits built for this purpose. As a result of our fresh excavations, we dug up seven crucibles, fifteen furnaces, ten stone anvils, four quenching pots, one stone, six mud ovens and three grinding stones of certain workshops.

Of these, one is a twin and the remaining are single furnaces; all are circular in shape with diameter of 30 cm. However, structure and composition of these furnaces are not uniform. These furnaces are usually built with a thick level of terracotta bits bound by hard clay and the top is finished with vertical bits in concentric circles. In many cases, a broad terracotta plate of the same size is placed underneath such furnaces.

Like previous excavations, this year also two types of crucibles unearthed; one type is smaller in size dug up from upper strata and the second type larger in size from lower level. Small type of crucibles are rough and shallow with their inner surface often tightened with terracotta bits. Of these, one example of small crucibles is

fascinating and new for its complex design and purpose. It is made in bowl shape without stone foundation to which a small channel filled with ashes is provided at the base for keeping the molten metal heated (Fig. 4, Pls. 28d-f). It lies in trench AII/19 (W19) reported from the middle strata (i.e., the second phase) of the deposit. In the second type, there are two crucibles, one is known from trench AI/17 (W15) and another from AI/25 (W24). These crucibles are uniform in shape, size, and design. They are made in large conical shape with semi-burnt hard clay walls and stone bases (Figs. 3, 5, Pls. 10a-b, 11a-b, 14a, 15c-d). The interior of such crucibles is finished with fine hard surface. This type of crucible is always reported from the lower levels and obviously belonged to the Indo-Greek period.

The quenching pots are known in two types: the medium size pots picked up from the upper strata and large size pots from the lower strata. Unfortunately, no complete pot is witnessed from fresh excavations. The remains of these pots are known in fragments and typically base portions are found intact in situ (Pl. 20c). The large pots of this category usually belong to the Indo-Greek era.

The ovens (and hearths) are known in several varieties. Of these, one U-shaped oven composed of three elongated stones filled with ashes and charcoal fragments is new and interesting (Pl. 15a). This is a simple form of oven and still being used in Peshawar and surrounding region for temporary use. Besides this, two semi-circular ovens of hard clay are known from AI/17 and BI/2 trenches, and they also come from the Indo-Greek level. Another similar oven of clay has appeared in trench AII/23. It was found in the middle deposit of trench (Pl. 18a). The third variety of oven was unearthed at the upper strata in trench AII/18. It was composed of three small rectangular compartments like cooking range organized in a row against the stone wall. This series of oven filled with ashes and charcoal bits was found fixed on the upper floor level (Fig. 4, Pls. 27a-b). The fourth variety of oven was made of hard clay in a square shape (which looks like diamond) but its function is not very clear. It seems to have been made within compact floor level in workshop area

(W21). This oven was also filled with loose soil and ashes (Pls. 24b, 33c). The last variety of oven is known in the form of a rectangular red compact surface and perhaps used as a temporary oven or furnace (Pl. 28c).

There had been extensive application of large stone anvils, grinders and sharpeners in smith workshops. They were naturally large cuboid stones and sometimes trimmed from lateral sides for required work platform (Figs. 3-5, Pls. 13b, 18b, 22b, 24a-b, 32c). The edges and sides of such stones were sometimes used as sharpeners too.

Workshop 15 (W15)

This rectangular workshop is located in trench AI/17 and at the same area where W7 of the late phase was already located and marked in the upper strata (Fig. 3). But the new workshop, uncovered at the lower level, obviously belonged to the Indo-Greek period. It was established in a long rectangular chamber bounded by stone walls on the three sides. It comprises a large conical crucible with flat stone base and filled with ashes, charcoal bits and potsherds coated with black soot. It is accompanied with a circular furnace and semicircular oven filled with ashes. A medium size grinding stone with pestle above underneath the southern wall was also found nearby these features.

Workshop 16 (W16)

This workshop lies to the southeast of W15, i.e. on east side of the wall (Fig. 3). Perhaps, it was established in a rectangular room bounded by stone walls on the three sides. The surviving walls are made of small stones thus narrow in size. This workshop, installed in the upper level, belonged to the Kushan period. The existing features of this workshop are arranged in triangular form, which include a circular furnace, a stone anvil and a shallow crucible supported by terracotta bits and potsherds.

Workshop 17 (W17)

Workshop 17 also lies in the same vicinity and adjacent to the south of W16 (Fig. 3). These two

workshops were partitioned by a mudbrick wall as its foundation is traceable on the ground. The chamber of the present workshop was made in square shape whereas two stone walls preserved on the east and west sides. This workshop is identified by two circular furnaces, two stone anvils, one shallow crucible and a base of quenching pot. Besides this, potsherds of a large broken storage pot are also reported from the same area. This workshop seems to have been designed for two smiths working side by side. It was uncovered from the upper level and may be assigned to the late phase (i.e., the Kushan period).

Workshop 18 (W18)

This workshop is located in trench AI/22 that lies parallel to the west of W17 (Fig. 3). It was made in a square room enclosed within stone walls on the three sides. Foundation of a mudbrick wall, lying north-south orientation, was also detected at the lower level. The area of this workshop is badly disturbed on account of human activities during the recent past. The fallen debris of stone wall are lying in heap with evidence of stagnant water one foot above the early floor level. The only surviving feature of this workshop is identified as the rectangular stone anvil. The remaining features of this workshop were perhaps dismantled due to wreckage of the site mentioned above. This workshop belonged to the early phase of human occupation at the site.

Workshop 19 (W19)

Workshop 19 is unearthed in trench AII/13 (Fig. 4). This chamber is located within a compound area of smith workshops. It was established in a small cubical room and bounded on the three sides by stone walls. This workshop is furnished with two furnaces, a crucible and a quenching pot. Both furnaces are of normal style; quenching pot is of medium size and the crucible is like a shallow bowl provided with heating tunnel from north side. This workshop belongs to the Indo-Scythian period of Hayatabad site.

Workshop 20 (W20)

The workshop under discussion is located to the south of W19 and thus placed in a special compound area (Fig. 4). It is a long rectangular room bounded on the four sides by stone walls. On the southwest corner, it was approached through a narrow corridor but, sometime later, this access was blocked by a stone wall due to some unknown reasons. This chamber is provided with different platforms as one furnace is reported from the upper strata. In other devices, it comprises two circular furnaces of normal style, a rectangular oven (or furnace?) of hard red surface and a stone anvil at the northwest corner. There is a series of postholes around the circular furnace that lies close to the stone anvil. These holes were purposely made for some kind of temporary partition or other arrangements. This set up is also associated with the mid phase of the compound and site.

Workshop 21 (W21)

This workshop is positioned between W20 and W22 in the main compound area (Fig. 4). It is centrally located and considered to be a key workshop of its kind so far unearthed at the site under discussion. It is made in rectangular shape and well protected by stone walls from four sides. It has an attached small storage room on the north side, but nothing is reported from this area. The main chamber is connected to it with a narrow passage on the west side. All features of this workshop are installed on the west side. It comprises twin circular furnaces of tiny broken potsherds accumulated above terracotta plates, two bowl-shaped crucibles finished with terracotta bits, three stone anvils, one grinding stone, a square oven (or furnace?) with straight hard walls built inside the floor level and a base of quenching pot. This workshop obviously belonged to the mid phase of site occupation.

Workshop 22 (W22)

In shape and design, this workshop has close resemblance with that of the previous one (W21). It is also rectangular in shape and surrounded by stone walls on the four sides (Fig. 4). This chamber

is partly damaged (east and west walls) towards north due to recent past constructions. The recent human settlement also uprooted other fixtures of the workshops. In spite of such disturbances, two circular furnaces of usual design and a base of quenching pot are well preserved. Like other workshops, it also belongs to the Indo-Scythian period.

Workshop 23 (W23)

This workshop lies parallel to the east of W22 (Fig. 4). It is rectangular in shape and much narrow from east to west sides. The walls exposed on the four sides were built in two stages. The west and south walls are made of stones, the lower portion of north and east walls are also worked in stones, while the superimposed structures are made up of mudbricks. The western wall as described above, is partly damaged. The eastern wall is enormous in width and partially concealed in the unexcavated area. The latter wall seems to be a boundary wall of the entire compound from east side. The workshop features found in this chamber include two stone anvils and one semi-circular oven with ashes and charcoal fragments. These features belong to the Indo-Scythian stratum.

Workshop 24 (W24)

Workshop 24 is situated outside the main compound area and unearthed at trench AI/25 (Fig. 5). It was established in a square room bounded on the three sides by mudbrick structures. The existing walls are of low height and the lowest level in these trenches is also not very deep. There are fallen debris of a stone wall (east-west orientation) in a row along the north section of the trench. This workshop is characterized by a large conical crucible with large stone foundation and a standard circular furnace. In design, this crucible is identical with the one reported from W15 (Fig. 3). In view of occupation and design of the crucible, this workshop was obviously built during the Indo-Greek period.

Workshop 25 (W25)

This workshop is located parallel to the east of W24 and reported from trench AII/21 (Fig. 5).

This area seems to be terrace zone of the site. The said workshop was constructed in a square chamber and bounded by mudbrick walls on the south and west sides. The fallen debris of a stone wall, as seen with W24, are lying scattered along the north side of the trench. The main features consist of a semi-circular oven (perhaps furnace) and a pit of considerable size filled with ashes. This pit was probably used as a dumping area for burnt material. Due to the occurrence of certain features at the lower stratum, this smith workshop can be assigned to the Indo-Greek period.

Workshop 26 (W26)

The last workshop of the present excavations is also reported from AII/21 (Fig. 5). It was constructed parallel to the south of W25. Only north portion of the workshop has been exposed while the remaining area lies buried in unexcavated trenches. This chamber is encompassed within mudbrick walls, visible on the west and north sides. The north wall is existed at considerable height. This workshop comprises one large stone anvil and a U-shaped oven supported by stone blocks on the three sides. These features are installed against the north wall of the chamber. The oven was filled with ashes and charcoal fragments. Besides this, a large ladle of iron, though fragile and broken into pieces, found inside the workshop. This workshop was made contemporary with W24 and W25 and dated to the same era.

Small Finds

The small finds are few in number but yield great interest for the scholars of diverse fields. The general trend and outcome of these finds is nearly the same as we picked up during our previous excavations at the site (Khan *et al.* 2019, 2020). These artefacts include copper coins, terracotta human and animal figurines, variety of beads, arrowheads, bangles, grinding stones, sharpeners, pestles and large number of potsherds.

The human figurines are usually female executed in baroque style like those reported from Shaikhan Dheri, Sar Dheri (Charsadda), Taxila and the previous excavations at Hayatabad. They have pinched nose, appliqué eyes and wear

variety of ear and hair ornaments and necklaces. The lower body of these figurines is uniform in design shown with joint legs separated by a deep curved vertical line, feet often broken and pudendum marked with waist band round body. The hair fallen on the back side are identified by incised lines like strands of hair. This year, animal figurines are quite few and perhaps characterize bull with curved horns. One terracotta wheel of a cart is also uncovered.

The beads, like our work of the previous seasons, are unearthed in good number. These beads are made of cornelian, white glass, faience, terracotta and other stones. Of these, short cone and bicone beads of terracotta are common. Some terracotta beads are decorated with geometrical incised lines and dots. The bangles usually made of shell and glass are known in large and small fragments.

The iron objects are also reported in substantial number. The jewellery marked by the only one earring (or finger ring?) in damaged condition is reported. Like our previous field experience, iron arrowheads and drills were also unearthed in considerable number. The arrow heads are usually known in three-flanged shape furnished with pointed tip and tang at the opposite ends. Other iron objects include knife, nails and hooks. This year, iron sickles are absent from assemblage. The most common object of this excavation is the stone pestle, which are known in different sizes and shapes such as oblong, elliptical, ovate, orbicular, cuboid, cylindrical etc. Some pestles are ground, smoothed and well finished while others are in natural form. These tools often bear striking, grinding and rubbing marks on their ends, edges and sides. Similarly, querns (grinding stones) of different sizes are known in rectangular, oval, rhomboid and deltoid shapes. Most of these querns are found in broken condition. The grinding (upper) surface of these querns is well made, while the lower side is often left unfinished. Stone sharpeners, both of large and small sizes, are identified in different varieties viz. rectangular, trapezoidal, triangular oblong and acuminate. These objects were used for sharpening different types of tools. The front side of small sharpeners, utilized for working, is

regularly smoothed and flattened and the opposite side is found in ordinary outline.

Pottery

As noted during our previous field investigations at the Hayatabad site, immense number of potsherds including some complete vessels are unearthed in the 2019 excavations. These potsherds are consistently found at all levels and all trenches of the excavated area. Like our previous experience (2017 and 2018), the present field report also includes images, description and drawing of some complete vessels and selected potsherds bearing significant features and designs. Accordingly, the demonstration of the present pottery is the continuation of the pattern experienced previously. Apart from this, some new types and designs also appeared on potsherds to be treated as a new contribution. This assemblage is also found parallel with other collections reported from different Buddhist and settlement sites located in the vales of Peshawar and Taxila, and Afghanistan. As we already described in our previous report, the pottery of the Hayatabad site shows close similarity with those reported from Sirkap (Marshall 1951; Ghosh 1947-48), Shaikhhan Dheri (Dani and Fidaullah 1965-66; Hussain 1980), Damkot (Rahman 1968-69) and early period of Aziz Dheri (Nasim Khan 2010). Of these, detailed work has been carried on the classification and analytical study of the pottery recovered from Taxila and Shaikhhan Dheri (Marshall 1951; Hussain 1980). In view of the comparison of pottery, coin and other archaeological finds, the chronology of the Hayatabad site is now well established. In view of shape, fabric, design, texture and decoration scheme, the present accumulation of pottery widely occurs in these three periods. The evidence obviously confirms occupation of the site during the rule of the Indo-Greeks, the Indo-Scythians and the Kushans; thus dating from the second century BCE down to the second century of our era.

The pottery of the Indo-Greek period is characterised by short pedestalled cups, large storage vessels, medium globular pots, deep and shallow dishes with splayed rims, water flasks

including condensers and standard jars. The pottery of this period ranges from medium to thin fabric, properly baked and finely accomplished. Most of the pottery is pinkish to red and some grey ware are also known. Some sherds of medium fabric are highly sophisticated with fine smoothed surface of red slip. Thick potsherds of storage pots are comparatively found less fine and often produced with thin to medium black core. Some complete pots of this period like small bottle with narrow neck and broad finial are very fascinating. Besides this, rims, bases, short pedestals, lugs, spouts, lids and other parts of variety of pots are picked up in fragments. These rims are known in different shapes, designs and sizes such as straight, everted, out-curved, incurved, triangular, squarish, flared, flat, etc. Most of the rims are plain but some are decorated with simple incised lines on the inner side. The flattened rims of pedestalled cups are characteristically painted with geometrical designs like triangles, hatched triangles and parallel vertical lines. The interior basis of plates is often painted with hatched triangles, oblique lines and circles. Sometimes, shoulders of large pots like pitchers are decorated with floral and geometrical design in black paintings.

Bases of the Indo-Greek period pottery are also known is diverse varieties such as low disc, low convex body, plain and ring-cut flattened shapes, shallow and deep concave in domical form. The latter variety is normally associated with pedestalled cups. The fabric, shape and other features of these potsherds help to reconstruct variety of pots such as bowls of various designs, pitchers of different sizes, dishes, water flasks, plates, saucers, jars, storage vessels, cooking pots, bottles, etc.

Of these, two potsherds, i.e., a standard bowl and a plate are noteworthy for some explanations. A highly ornamented bowl of uniform design was produced through a mould technique. The exterior body is decorated with zigzag lines in high relief arranged in two tiers. Each tier is further decorated with dotted borders. The other sherd is a flat base depicting a human figure kneeling to right in low relief. The figure is shown on the interior side of plate. The head of the figure enframed by bead-

and-reel border is missing.

The Indo-Scythian period comprises almost the same variety of pots and potsherds, but sometimes stamped with lotus motifs particularly inside the bowls. Other stamped designs include sun symbol with oblique rays, rayed star with dots, concentric circles around shoulder of pitchers. Sometimes these shoulders are also decorated with denticulate patterns in one or double rows. Some thick storage jars are decorated with cordon of rope pattern and shoulders with variety of incised wavy lines.

The earthenware of the Kushan period is almost the continuation of the Indo-Scythians. They have introduced some changes in types such as cups, large bowls, drinking cups and water pitchers. Some of the previous designs like cordon with rope pattern, variety of denticulate decoration and zigzag lines inside of large vessels are found prominent during this period. The pottery of this period is found in abundance.

Coins and Chronology

The present season of our excavations yielded altogether 16 copper coins, which is appropriate number for understanding the sequence and chronology of the site. The chronology of this site has already been established due to an adequate number of coins reported during the first two seasons of our field work (Khan *et al.* 2019, 2020). These results recognised the following three periods at the Hayatabad site:

- Period I: The Indo-Greeks
(Second century BCE)
- Period II: The Indo-Scythians
(First century BCE)
- Period III: The Kushans
(First to Second century CE)

The coins unearthed during the present excavations also reveals the same episode of the Hayatabad site. Of these, two coins belong to the Indo-Greeks, two to the Indo-Scythians, eight to the Kushans and one is uncertain due to its poor state of preservation. The first coin of the present excavation was of Apollodotus (the Indo-Greek

ruler) and the last one was that of Huvishka (the Kushan ruler). In 2018 excavation, we had also the same evidences as last coin of the stuff was assigned to the same ruler of the Kushan dynasty. Thus, the coins of the present excavations firmly settle the sequence and periodization of the site already established previously.

Of the Indo-Greek stuff, we unearthed one copper coin of Menander I. Any example of this ruler was not known in our previous excavations. The subject coin depicts elephant's head on one side and upright club on the other. The single coin of Apollodotus is of the previous type, portraying standing figure of Apollo on the obverse and tripod on the reverse. Both these coins are in poor state of preservation. The coins of Eukratides, well represented in the previous fieldworks, are absent from the fresh finds.

The Indo-Scythian dynasty is represented by two copper coins of Azes II, the last ruler of the dynasty. One of these coins shows enthroned city goddess on the obverse and, perhaps the figure of Greek god Hermes on the reverse. This coin was struck in reduced tetradrachm of Indian weight. The second example exhibits the figure of bull on the obverse and lion on the reverse. This is the

common type of Azes II coinage and well known from previous excavations as well. This coin is known in full tetradrachm weight of Indian standard. In the third season of excavations, the occurrence of the coins of Azes II is comparatively reduced.

As described above, the Kushan dynasty is represented by eight coins. Of these, one coin is of Wima Taktu (Soter Megas), three coins of Wima Kadphises, five coins of Kanishka and two coins of Huvishka. Apart from this, the uncertain example seems to be of Herakles type of Kujula Kadphises. The distribution of the Kushan coins is almost the same as those reported from 2018 excavations (Khan *et al.* 2020). The single coin of Soter Megas type is of normal issue and struck at didrachm unit of Attic standard. It has the bust of Mithra (or king) on the obverse, and the king riding on horseback on the reverse. Two coins of Wima Kadphises are of full weight (tetradrachm) and one quarter (drachm) unit of reduced weight of Attic standard. The design of all such coins is the same, showing standing figure of king at altar on the obverse and Oesho with bull facing right on the reverse. Five coins of Kanishka occur into three denominations, i.e., reduced tetradrachm,

Table 1. Summary of coins excavated at the Hayatabad site during the three field seasons

Dynasty	Ruler/ Series	Reign	Season of excavations		
			2017	2018	2019
Post Mauryans	Taxila-Pushkalavati	Early 2nd century BCE	1	-	-
Indo-Bactrian Greeks	Eukratides	174-145 BCE	1	2	-
	Apollodotus	174-165 BCE	1	-	1
	Menander	c. 165/155-130 BCE	-	-	1
	Antialkidas	c. 115-95 BCE	-	1	-
Indo-Scythians	Azes II	c. 35-10 BCE	4	3	2
Kushans	Kujula Kadphises	c. 30-80 CE	1	-	-
	Wima Taktu (Soter Megas)	c. 90-110 CE	1	1	1
	Wima Kadphises	c. 110-126/27 CE	-	1	3
	Kanishka	126/27-151 CE	-	5	5
	Huvishka	154-191 CE	-	4	2
Uncertain	(Perhaps Kujula Kadphises)		-	-	1
Total			9	18	16
Grand Total			43		

didrachm and drachm of Attic weight standard. The first two varieties are represented by one example each, and the third variety by three coins. The obverse design of all varieties is the same as depicting standing figure of king at altar, and inscribed with Bactrian legend. Of these, two coins of the quarter series (nos. 12 & 13) are of subsidiary mint (Kashmir-Hazara mint) as they bear Kharoṣṭhi letter in front of the king on obverse. The remaining three coins belong to the main mint. The reverse designs of the main mint represent the figures of sun-god, moon-god and fire-god respectively. Similarly, both coins of the subsidiary mint display moon-god on their reverse. The obverse design of the coins of Huvishka is uniform, showing figure of king riding on elephant to right. The reverse of one example exhibits standing figure of moon-god, while another is defaced. Both coins of this ruler belong to the Gandhara mint struck at reduced tetradrachm weight unit.

References

- Dani, A.H. and Fidaullah.
1965-66. Shaikhan Dheri Excavation (1963 and 1966 Seasons). *Ancient Pakistan* II: 17-214.
- Ghosh, A.
1947-48. Taxila (Sirkap), 1944-5. *Ancient India* 4: 41-83.
- Hussain, J.
1980 *Shaikhan Dheri Pottery: A Methodological and Interpretive Approach*. Unpublished PhD Dissertation, Cambridge: Churchill College.
- Khan, G.R., Durrani, M.A. and Samad, A.
2019 Preliminary Report of Archaeological Excavations at Hayatabad, Peshawar: Field Season 2017. *Ancient Pakistan* XXX: 111-197.
- Khan, G.R., Shah, I. and Samad, A.
2020 Preliminary Report of archaeological Excavations at Hayatabad, Peshawar: Field Season 2018. *Ancient Pakistan* XXXI: 45-188.
- Marshall, J.
1951 *Taxila: An Illustrated Account of Archaeological Excavations*, Volumes 2 & 3, Cambridge: Cambridge University Press.
- Nasim Khan, M.
2010 *The Sacred and the Secular – Investigating the Unique Stūpa and Settlement Site of Aziz Dheri, Peshawar Valley, Khyber Pakhtunkhwa, Pakistan*, Volume 2. Peshawar: Directorate of Archaeology & Museums, Govt. of Khyber Pakhtunkhwa.
- Rahman, A.
1968-69. Excavations at Damkot. *Ancient Pakistan* IV: 103-250.

CATALOGUE OF SMALL FINDS

COPPER COINS

Indo-Greeks

Apollodotus I

1. Reg. No. 349; Locus: AI/17; Layer: 4; Weight: 6.7g, Size: 23.0x22.7x2.8 mm

Obv. Deity Apollo standing frontally with head turned to left, holding an arrow in the right hand and a bow in the left. Greek legend fragmentary: ΒΑΣΙΑ[ΕΩΣ ΑΠΟΛΛΟΔΟΤΟΥ] ΣΩΤΗΡ[ΟΣ]

Rev. Corroded, usually tripod is depicted, Kharoṣṭhi legend fragmentary: [Maharajasa apala]dataśa/ tratarasa

Menander Soter

2. Reg. No. 355; Locus: AI/17; Layer: 4; Weight: 1.3g, Size: 13.2x13.0x2.0 mm

Obv. Elephant's head to right, but much defaced, Greek legend illegible.

Rev. Club in upright position with control mark on the left side. Kharoṣṭhi legend illegible.

Indo-Scythians

Azes II

3. Reg. No. 325; Locus: AI/17; Layer: 2; Weight: 6.4g, Size: 27.0x3.6 mm

Obv. City goddess seated frontally on a high-backed throne with head turned to left, making gesture with right hand and holding a cornucopia in left arm over shoulder. Greek legend fragmentary: [ΒΑΣΙΑΕΩΣ ΒΑΣΙΑΕΩΝ ΜΕΓΑΛΟΥ] / AZOY

Rev. Defaced, usually figure of the Greek deity Hermes standing to left. Kharoṣṭhi legend uncertain.

4. Reg. No. 369; Locus: AI/25; Layer: 4; Weight: 9.8g, Size: 28.0x4.1 mm

Obv. Bull standing to left with control mark above back. Greek legend fragmentary:

ΒΑΣΙΑΕΩΣ ΒΑ[ΣΙΑΕΩΝ ΜΕΓΑΛΟΥ] / AZOY

Rev. Lion standing to left with control mark above back. Kharoṣṭhi legend fragmentary [Maharajasa rajarajasa mahatasa] / Ayasa

Kushans

Wima Takto (Soter Megas)

5. Reg. No. 326; Locus: AII/17; Layer: 2; Weight: 5.7g, Size: 20.0x4.0 mm

Obv. Bust of king to right, holding an arrow in the right hand before face.

Rev. King riding on horseback to right, wears diadem with long ribbons, right hand extended perhaps holding a pick-axe. Greek legend fragmentary: ΒΑΣΙΑΕΥ ΒΑΣΙΑΕΥΩΝ CWTHP ΜΕΓΑΚ

Wima Kadphises

6. Reg. No. 311; Locus: AI/23; Layer: 1; Weight: 14.3g, Size: 27.0x4.5 mm

Obv. King standing frontally with head in profile to left, bearded, wearing tall rounded crown, tunic, trousers, cloak and boots, right hand extended over altar and left holding lapel of cloak. Trident stands in the left field, a slanting club and four-pronged tamga in the right, Greek legend unclear.

Rev. Defaced, traces of standing Oesho with bull behind him to right are seen. Kharoṣṭhi legend and other features not clear

7. Reg. No. 359; Locus: AI/25; Layer: 2; Weight: 13.0g, Size: 26.5x4.5 mm

Obv. As 6, wearing same kind of dress, legend unclear.

Rev. As 6, Oesho leaning on bull facing frontally, holding a trident in raised right hand. Legend unclear.

8. Reg. No. 398; Locus: AII/23; Layer: 2; Weight: 2.7g, Size: 17.5x2.6 mm

Obv. As 6, but the figure is shown in rude style

and much defaced. Legend illegible.

Rev. As 6, the figure of Oesho is partly seen but the figure of bull and legend defaced.

Kanishka I

9. **Reg. No. 394; Locus: AII/23; Layer: 2; Weight: 10.5g, Size: 23.2x4.4 mm**

Obv. King standing frontally with head in profile to left, wearing crown, tunic, trousers, kaftan and boots, right hand sacrificing over altar and holding a spear in raised right hand. Bactrian legend defaced and illegible.

Rev. Sun-god (Miuro) standing frontally with head turned to left, sunrays halo around head, wearing tunic, trousers and boots, making a gesture with right hand and left hand resting on waist. Bactrian legend MIIPO in the right field and four-pronged tamga in the left.

10. **Reg. No. 350; Locus: AI/25; Layer: 1; Weight: 7.1g, Size: 20.5x3.5 mm**

Obv. As 9, Bactrian legend fragmentary: P^hAO K[ANIH^hPKI]

Rev. Moon-god (Mao) standing frontally, making a gesture with extended right arm and left hand resting on waist. Bactrian legend MAO in the right field and tamga in the left field unclear.

11. **Reg. No. 381; Locus: AII/22; Layer: 3; Weight: 3.8g, Size: 18.1x3.0 mm**

Obv. As 9, legend uncertain.

Rev. Fire-god (Athsho) standing frontally with head turned to left, wearing tunic, trousers, boots and mantle over shoulders, right arm extended perhaps holding a diadem and holding tongs in the left hand near waist. Bactrian legend AΘPO in the right field and four-pronged tamga in the left.

12. **Reg. No. 339; Locus: AI/23; Layer: 2; Weight: 3.7g, Size: 17.7x3.0 mm**

Obv. As 9, wears tall rounded crown, Kharoṣṭhi letter *ji* in the left field before face. Bactrian legend fragmentary: P^hAO KA [NH^hPKI] (begins 9 o'clock, clockwise)

Rev. As 10, Moon-god standing frontally with head turned to left, lunar crescent behind

shoulders, right arm extended and left resting on waist. Bactrian legend MAO in the right field and four-pronged tamga in the left.

13. **Reg. No. 377; Locus: AII/22; Layer: 3; Weight: 3.1g, Size: 16.7x3.0 mm**

Obv. As 12, but defaced and Kharoṣṭhi letter in the left field as uncertain. Bactrian legend P^hAO KA [NH^hPKI] (begins 1 o'clock, clockwise)

Rev. As 12.

Huvishka

14. **Reg. No. 371; Locus: AII/14; Layer: 2; Weight: 5.2g, Size: 20.8x3.3 mm**

Obv. King riding on elephant to right, defaced and legend unclear.

Rev. Defaced and corroded.

15. **Reg. No. 389; Locus: AII/13; Layer: 2; Weight: 4.8g, Size: 23.6x3.2mm**

Obv. King riding on elephant to right, holding an elephant's goad in the right hand. Legend defaced.

Rev. Moon-god (Mao) standing frontally with head turned to left, lunar crescent behind shoulders, wears tunic and trousers, making a gesture with right hand and left resting on the hilt of sword near waist. Bactrian legend MAO in the right field and four-pronged tamga of Kanishka style in the left.

Uncertain (perhaps Soter Megas)

16. **Reg. No. 322; Locus: AI/22; Layer: 4; Weight: 6.4g, Size: 25.0x3.0 mm**

Obv. Bust of king to right, defaced and features unclear.

Rev. Defaced and corroded.

TERRACOTTA FIGURINES

Human Figurines

Head and Upper Body

17. Reg. No. 365; Locus: AI/25; Layer: 3; Size: 61x51x18 mm

Upper half of a baroque lady with large pinched nose, applique eyes and lips, front hair arranged in straight lines parting to left and right and tied with circular ornamented discs (rosette), the right one is broken, and on back side hair are indicated by long vertical lines. The figure has short pointed arms and wears ornamented ear-roundels, neck-band of oblique lines, three circular discs in triangular form. The entire figure is well executed and has pinkish colour with pinkish slip.

Reference: Dani, 1964, XXVI.1

Lower Body and Legs

18. Reg. No. 312; Locus: AII; Layer: Surface; Size: 55x36x25 mm

Lower middle body of female figurine, feet broken, the frontal body is flat with joint legs separated by a deep vertical line, pair of cross bands on chest and a horizontal band of short oblique lines round waist. The figure is well-made and has pinkish colour with red slip.

19. Reg. No. 332; Locus: BI/2; Layer: 3; Size: 43x30x20 mm

Lower middle body of female figurine, feet missing, the frontal body is flat with joint legs separated by a vertical line at front and back. There is a pudendum with waist band round body and projected buttocks at back side. The figure is decorated with cross bands at chest and back side, finely made in orange colour with orange slip.

20. Reg. No. 315; Locus: AI/22; Layer: 3; Size: 53x28x25 mm

Lower middle body of female figurine, feet broken, the frontal body is flat with joint legs demarcated by a sharp vertical line. The figure has a pudendum with broad band round waist and projected buttocks at back side. There are traces of cross lines at back; pinkish colour with pinkish slip.

21. Reg. No. 366; Locus: AII/22; Layer: 3; Size: 60x30 mm

Lower middle body of female figurine with feet broken, the frontal body is flat with joint legs split by a vertical line. The figure has a prominent pudendum with broad band round waist and projected buttocks at back side, pair of cross bands shown on front and back sides. The figure is well executed; pinkish colour with pinkish slip.

Animal Figurines

Bull

22. Reg. No. 337; Locus: AI/17; Layer: 4; Size: 35.5x33.5 mm

Humped bull with horns, ears and mouth broken, badly defaced, body colour is pinkish with pink slip.

Animal Legs

23. Reg. No. 320; Locus: AI/23; Layer: 4; Size: 32x15 mm

A broken leg of animal figurine perhaps bull, tapering shape but slightly curved in the middle. It is handmade, pinkish colour with red slip.

24. Reg. No. 413; Locus: AI/19; Layer: 2; Size: 38x18 mm

A broken leg of animal figurine, made in cone shape but slightly curved in the middle, handmade, pinkish colour with red slip.

Wheel

25. Reg. No. 425; Locus: AI/18; Layer: 4; Size: 32.6x14 mm

Solid terracotta wheel with uneven projected hubs on both sides. It is roughly made with irregular surface and sharp edges, pinkish slip on pinkish colour.

BEADS**Stone Beads**

- 26. Reg. No. 360; Locus: AII/21; Layer: 2; Size: --- mm**

Small cornelian bead, roughly orbicular shape with fine smoothed surface, has a narrow hole across the body, red colour.

- 27. Reg. No. 387, Locus: AII/18; Layer: 4; Size: dia. 10, h 6 mm**

Small cornelian bead, short barrel shape, has a narrow hole across the body, pinkish colour.

- 28. Reg. No. 396, Locus: AII/12; Layer: 4; Size: dia.13, h. 13 mm**

Small cornelian bead, spherical shape, has a narrow hole across the body, red colour.

- 29. Reg. No. 405, Locus: AII/21; Layer: 4; Size: dia. 8.1, h. 6.3 mm**

Small cornelian bead, short barrel shape, has a narrow hole across the body, red colour.

- 30. Reg. No. 390; Locus: AII/18; Layer: 2; Size: --- mm**

Small cornelian bead, cylindrical shape, has a narrow hole across the body, scratches round body, pinkish colour.

- 31. Reg. No. 391; Locus: AI/15; Layer: 4; Size: ----- mm**

Small cornelian bead, flat diamond shape, partly broken, has a narrow hole across the body, smoothed surface, whitish pink colour.

- 32. Reg. No. 397; Locus: AI/12; Layer: 5; Size: ----- mm**

Large stone bead, oblate shape, has a wide hole across the body, well-made, smoothed surface, cream colour.

Glass, Faience and Paste Beads

- 33. Reg. No. 323; Locus: AI/23; Layer: 6; Size: 25 (h)x17 (w)x14 (Th) mm**

Long glass bead, bicone shape with hexagonal sides, has a small hole through elongated side, smoothed surface and transparent body.

- 34. Reg. No. 395; Locus: AII/12; Layer: 4; Size: 28 (h)x17 (w) mm**

Long glass bead, barrel shape with hexagonal sides, has a small hole through elongated side, smoothed surface with small scratches and transparent body.

- 35. Reg. No. 328; Locus: BI/---; Layer: surface; Size: 7 (d)x8 (h) mm**

Small faience bead, chamfered cube shape, has a small hole across the body, coarse surface, cream colour with blue spots.

- 36. Reg. No. 321; Locus: AI/22; Layer: 4; Size: 7 (d) x7 (h) mm**

Small paste bead, spherical shape, has a small hole across the body, shiny smoothed surface, yellowish colour with black spots.

Terracotta Beads

- 37. Reg. No. 314; Locus: AI/23; Layer: 2; Size: 27 (d)x30 (h) mm**

Thick biconical cone with flat ends, parallel vertical lines round body, smoothed surface; pinkish colour.

- 38. Reg. No. 327; Locus: AI/17; Layer: 2; Size: 27 (d)x17 (h) mm**

Short convex bicone with pronounced collar at both ends, one side decorated with plain vertical lines alternated by dotted lines; pinkish colour with pinkish grey slip.

- 39. Reg. No. 336; Locus: AII/23; Layer: 3; Size: 22 (d)x18 (h) mm**

Long biconical bead with short collar at one end, one side decorated with incised vertical lines; pinkish colour.

- 40. Reg. No. 363; Locus: AI/25; Layer: 2; Size: 25 (d)x18 (h)mm**

Pressed globular bead with broad collar at both ends, decorated with groups of vertical lines and separated by a pair of horizontal lines in the middle; grey colour.

- 41. Reg. No. 351; Locus: AI/25; Layer: 1; Size: 32 (d) x20 (h)mm**

Pot-shaped biconical cone with broad collar at top, the upper side decorated with vertical incised

lines and a deep horizontal line round body in the middle, finely made, smoothed surface; grey colour.

42. Reg. No. 317; Locus: AI/22; Layer: 2; Size: 21 (d)x14 (h)mm

Plano-convex bead with flat disc and pronounced colour, a deep horizontal groove round lower body, plain surface; grey colour with greyish slip.

43. Reg. No. 352; Locus: AI/25; Layer: 2; Size: 17 (d)x13 (h)mm

Short convex cone with concave disc and flat top, a deep horizontal groove round middle body, plain smoothed surface; grey colour with grey slip.

44. Reg. No. 388; Locus: AII/13; Layer: 4; Size: 20 (d)x13 (h)mm

Short convex bicone with flat ends, a deep horizontal grooved round middle body, plain smoothed surface; grey colour with grey slip.

45. Reg. No. 375; Locus: AII/17; Layer: 3; Size: 27(d)x20 (h)mm

Long convex cone with flat disc and inconspicuous collar at top, a deep horizontal grooved round middle body, plain surface; pinkish colour.

46. Reg. No. 333; Locus: AII/---; Layer: Surface; Size: 33 (d)x22 (h)mm

Short concave bicone with central band boldly notched, both ends flat, plain surface; grey colour.

47. Reg. No. 334; Locus: AI/2; Layer: 3; Size: 23 (d) x15 (h)mm

Fig-shaped convex bead with low concave disc and pronounced collar at top, plain smoothed surface; pinkish colour with greyish slip.

48. Reg. No. 316; Locus: AI/23; Layer: 3; Size: 25(d) x16 (h)mm

Short convex cone with low concave disc and short collar at top, partly damaged, smoothed surface; pinkish colour with greyish slip.

49. Reg. No. 385; Locus: AII/12; Layer: 3; Size: 27(d) x18.5 (h)mm

Short convex cone with flat disc and projected collar at top, plain surface, pinkish colour with pinkish slip.

50. Reg. No. 411; Locus: AII/23; Layer: 6; Size: 19.8(d) x13(h) mm

Convex domical bead with pronounced disc and flat top, a deep horizontal groove round lower body, plain smoothed surface, pinkish colour with greyish slip.

51. Reg. No. 370; Locus: AII/17; Layer: 2; Size: 20(d) x17 (h) mm

Truncated convex bicone with flat disc and round collar at top, plain surface but corroded; pinkish grey colour.

52. Reg. No. 335; Locus: BI/2; Layer: 3; Size: 25(d) x13(h) mm

Low convex bicone with flat disc and short collar at top, partly damaged, plain surface; pinkish grey colour with grey slip.

53. Reg. No. 368; Locus: AI/25; Layer: 4; Size: 30(d) x18 (h) mm

Plano convex bicone with broad flat disc and shoulder surmounted by a small vertical collar, plain body; pinkish colour with pinkish slip.

54. Reg. No. 406; Locus: AI/25; Layer: 2; Size: 18.6 (d) x15.1 (h) mm

Pot-shaped convex bicone with flat disc and round top, roughly handmade, plain surface; pinkish grey colour.

55. Reg. No. 427; Locus: AII/18; Layer: 2; Size: 21(d) x17(h) mm

Standard convex cone with flat disc and concave top, plain body, smoothed surface; pinkish colour with pinkish slip.

56. Reg. No. 358; Locus: AI/21; Layer: 2; Size: 32(d) x17 (h) mm

Short convex cone with flat disc and concave top, plain body; pinkish colour with buff slip.

57. Reg. No. 374; Locus: AII/12; Layer: 2; Size: 20(d) x14(h) mm

Fig-shaped domical cone with small flat disc and inconspicuous collar at top, plain surface smoothed surface; grey colour with black slip.

58. Reg. No. 367; Locus: AI/25; Layer: 4; Size: 24(d) x17(h) mm

Fig-shaped domical cone with flat disc and

projected collar at top, slightly damaged, plain body; pinkish colour with pinkish slip and burnt signs.

59. Reg. No. 399; Locus: AII/23; Layer: 5; Size: 18(d) x13(h) mm

Convex cone with broad flat disc and round top, plain smoothed surface; pinkish colour with grey slip.

60. Reg. No. 364; Locus: AI/25; Layer: 3; Size: 28 (d) x22(h) mm

Low convex bicone with flat ends, plain body; pinkish colour with greyish slip.

61. Reg. No. 386; Locus: AI/18; Layer: 4; Size: 31(d) x24(h) mm

Standard convex bicone with pointed ends, slightly damaged, plain smoothed surface; pinkish colour with pinkish slip.

BANGLES

Shell Bangles

62. Reg. No. 313; Locus: AI/22; Layer: 3; Size: 14.3 (l)x7.0 (w)x4.0 (t) mm

Fragment of bangle, rectangular in section, plain surface with small lenses, smoothed body, cream colour.

Reference: Dani 1964-65: XLIX.1

Glass Bangles

63. Reg. No. 400; Locus: AII/12; Layer: 5; Size: 32.0x6.0x5.0 mm

Fragment of bangle, irregular rectangular section; brownish colour.

64. Reg. No. 410; Locus: AI/17; Layer: 4; Size: 33.0x8.0x4.5 mm

Fragment of bangle, triangular section with curved outer side, smoothed surface; greenish yellow colour.

65. Reg. No. 412; Locus: AI/19; Layer: 3; Size: 19.5x6.1x3.8 mm

Fragment of bangle, triangular section with raised central ridge at outer side; bluish colour.

Reference: Dani 1964-65: XLIX.7

66. Reg. No. 338; Locus: AI/17; Layer: 3; Size: 23.0x12.0 mm

Fragment of bangle, triangular section with raised central ridge at outer side; dark bluish cream colour.

Reference: Dani 1964-65: XLIX.7

COPPER OBJECTS

Hair Pin

67. Reg. No. 409; Locus: AI/23; Layer: 4; Size: 97x5.0 mm

Long hair pin with one end pointed and another broad circular; rusted condition.

Reference: Dani 1964-65: XLIX.20

Hook

68. Reg. No. 356; Locus: AI/17; Layer: 4; Size: 43 (l) mm

L-shaped hook, rectangular section, one end pointed and another broader; rusted condition.

IRON OBJECTS

Ear Ring

69. Reg. No. 372; Locus: AII/17; Layer: 2; Size: 30(d)x7.0 (t) mm

Crescent shape, thick round section, the narrow section is broken; heavily rusted.

Reference: Dani 1964-65: XLIX.10

Dagger/ Knife

70. Reg. No. 407; Locus: AII/12; Layer: 3; Size: 23.5(l)x4.2(w)x2.7(t) mm

Standard dagger with flat blade and short handle, leaf shape, tip broken; heavily rusted.

Arrow Heads & Drill

Reference: Dani 1964-65: p. 119

71. Reg. No. 324; Locus: AI/22; Layer: 4; Size: 50 (l)x7(w) mm

Three-flanged solid arrowhead with pointed tip and short tang; heavily rusted.

72. Reg. No. 414; Locus: AII/23; Layer: 6; Size: 48(l)x13(w) mm

Three-flanged solid arrowhead with pointed tip and short narrow tang; heavily rusted.

73. Reg. No. 331; Locus: AI/17; Layer: 3; Size: 35(l) mm

Broad solid piece of iron with pointed end perhaps a drill or arrowhead; heavily rusted.

74. Reg. No. 432; Locus: AII/18; Layer: 3; Size: 67(l)x15(w) mm

Long drill rod, squarish section, broader in middle and narrow at both ends; rusted condition.

STONE OBJECTS

Pestles and Pounders

75. Reg. No. 340; Locus: AI/22; Layer: 4; Size: 93 (l)x73(d) mm

Tri-faceted oblong pestle, both ends were heavily used for grinding purpose, body has smoothed finishing; grey colour with white lenses.

76. Reg. No. 341; Locus: AI/23; Layer: 2; Size: 143(l)x72(w)x37(t) mm

Obovate-shaped pestle with oval section, both ends were used for chopping, well-made; grey colour with white spots.

77. Reg. No. 342 Locus: AI/22; Layer: 3; Size: 122(l)x82(w)x30(T) mm

Oblong-shaped pestle, both ends were used for grinding, edges slightly damaged, body is highly smoothed and polished; dark grey colour.

78. Reg. No. 343; Locus: AI/17; Layer: 4; Size: 95 (l)x65(w)x52(T) mm

Elliptical pestle with oval section, both ends showing ground marks of utilization and both ends equally used in two opposite directions, smoothed surface; cream colour.

79. Reg. No. 344; Locus: AI/17; Layer: 2; Size: 65 (l)x55(w) mm

Small spherical ball, used for grinding from all around, finely made; cream and black granular spots reveal combination of two colours.

80. Reg. No. 345; Locus: AI/22; Layer: 4; Size: 73 (l)x62(w)x43(T) mm

Ovate-shaped pestle, both ends showing marks of utilization obviously used for chopping, well made, grey colour.

81. Reg. No. 346; Locus: AI/22; Layer: 4; Size: 85 (l)x75(w)x55(T) mm

Ovate-shaped pestle like mango, both ends were used for grinding applied from different angles, smoothed natural surface, milky colour.

82. Reg. No. 347; Locus: AI/22; Layer: 4; Size: 85 (l)x55(w)x40(T) mm

Obovate-shaped pestle, the broader smoothed end was used for rubbing, finely made with coarse surface; black colour with white spots.

83. Reg. No. 361; Locus: AI/25; Layer: 2; Size: 175 (l)x100(w)x60 (T) mm

Broad elliptical shape, the middle part from two sides was used for holding with a hand and all edges around it were equally utilized for grinding and rubbing, sophisticatedly made; grey colour.

84. Reg. No. 376; Locus: AI/25; Layer: 4; Size: 165 (l)x80(w) mm

Oblong shape, both ends were extensively used for grinding, edges slightly chipped off, well made and exceedingly ground; greyish colour.

85. Reg. No. 378; Locus: AII/17; Layer: 3; Size: 75(l)x50(w) mm

Standard ovate shape, flattened from two sides, both ends were used for grinding and rubbing, coarsely made; greyish colour.

86. Reg. No. 379; Locus: AII/22; Layer: 5; Size: 105(l)x65(w) mm

Long elliptical shape, oblong section, one end was profoundly used for grinding and another with smoothed surface for rubbing, well-made with fine surface; light brownish colour.

87. Reg. No. 380; Locus: AI/23; Layer: 3; Size: 110(l)x65(w) mm

Oblong shape with broad elliptic section, both ends showing marks of utilization and both used for rubbing, sophisticatedly made and polished; brownish colour with black spots.

88. Reg. No. 383; Locus: AI/17; Layer: 3; Size: 85 (l) x25 (w) mm

Standard orbicular shape, flattened from two sides, the circular edge showing marks of utilization being equally used for grinding from different angles, well-made with smoothed surface; grey colour with whitish lines.

89. Reg. No. 392; Locus: AII/18; Layer: 2; Size: 150 (l)x80(w) mm

Oblong-shaped pestle with pointed working ends, both ends were used for rubbing, sophisticatedly designed, smoothed shiny surface, light brownish colour.

90. Reg. No. 384; Locus: AI/23; Layer: 5; Size: 130 (l)x80 (w) mm

Deltoid-shaped pestle, one side is flattened and another convex, the lower end is flattened and upper semi-circular, the upper end was used for grinding and side edge for chopping, coarsely surface; brownish grey colour.

91. Reg. No. 415; Locus: AI/25; Layer: 4; Size: 77.7 (l)x62.8 (w)x37 (T) mm

Standard oblong pestle, both ends bear marks of utilization i.e. used for chopping, well made with coarse surface; greyish colour.

92. Reg. No. 416; Locus: AI/22; Layer: 4; Size: 124.5 (l)x56.5 (w)x35 (T) mm

Long cuboid pestle, one edge in curvature shape, both ends used for striking and grinding, edges slightly chipped off; smoothed surface greyish colour.

93. Reg. No. 417; Locus: AI/17; Layer: 4; Size: 105.5 (l)x106.5 (w)x62.5(T) mm

Broad elliptic shape, oval section, both ends bear profound grinding marks, finely made with smoothed surface; yellowish colour.

94. Reg. No. 418; Locus: AI/23; Layer: 4; Size: 135 (l)x25.2 (w)x123 (T) mm

Orbicular shape, round edges were used for grinding and chopping, well-made with coarse surface; greyish colour.

95. Reg. No. 420; Locus: AI/23; Layer: 3; Size: 96 (l)x85 (w)x62.7 (T) mm

Orbicular shape, one side slightly protruded,

round edges were used for grinding and rubbing; coarse surface, grey colour.

96. Reg. No. 419; Locus: AI/22; Layer: 4; Size: 147 (l)x116 (w)x50 (T) mm

Rhomboid-shaped pestle, the vertex ends were used for chopping, sometime edges chipped off; greyish colour.

97. Reg. No. 428; Locus: AI/22; Layer: 4; Size: 95 (l)x71 (w)x47.3(T) mm

Elliptical shape with oblong section, both ends were repeatedly used for grinding, well-made with smoothed surface; creamy colour.

98. Reg. No. 424; Locus: AI/17; Layer: 2; Size: 100.4 (l)x72 (w) mm

Oblong shape, partly damaged due to striking, both ends were used for chopping, well-made with smoothed surface; grey colour.

99. Reg. No. 422; Locus: BI/2; Layer: 4; Size: 123 (l) x59 (w)x32.5 (T) mm

Lanceolate shape, the vertex end was used for chopping, the lower one horizontally broken, the straight edges were used as sharpener; greyish colour.

100. Reg. No. 421; Locus: AI/22; Layer: 4; Size: 165 (l)x65 (w)x33(T) mm

Oblong shape, one end partly damaged due to striking, both ends were used for chopping and cutting, well-made with smoothed surface; grey colour.

101. Reg. No. 429; Locus: AII/18; Layer: 8; Size: 190 (l)x63 (w)x44(T) mm

Narrow kidney-shaped pestle, the narrow end badly damaged after heavy striking and the broader end was used for chopping; greyish colour.

102. Reg. No. 430; Locus: AI/17; Layer: 5; Size: 110 (l)x60 (w)x40 (T) mm

Cylindrical shape with ovate section, flattened from two sides, both ends were extensively used for grinding, well-made and polished; brownish colour with black spots.

103. Reg. No. 431; Locus: AII/23; Layer: 4; Size: 140 (d)x55x(w)x50(T) mm

Obovate-shaped pestle, cropping and cutting

marks seen on both ends, well-made and ground; greyish colour.

104. Reg. No. 433; Locus: AII/18; Layer: 3; Size: 180 (d)x100(w)x70 (T) mm

Elliptical shape, one side flattened and another highly protruded, one end was used for chopping and one side edge for rubbing, well-made with smoothed surface; brownish colour with oblique white lens.

105. Reg. No. 435; Locus: AI/17; Layer: 5; Size: 215 (l)x78 (w)x50(T) mm

Cylindrical shape with round edges, bi-faceted, one end partly chipped off and used for chopping and another end was used for rubbing, one side edge also used for running, well-made with smoothed surface; grey colour.

106. Reg. No. 437; Locus: AI/25; Layer: 3; Size: 110 (l)x100 (w)x45(T) mm

Cylindrical shape with oblong section, bi-faceted, half broken, the existed end was used for chopping and both side edges used for grinding or sharpening, well-made with ground surface; greenish grey colour.

Querns (Grinding Stones)

Reference: Dani 1964-65: p. 114

107. Reg. No. 438; Locus: AII/18; Layer: 3; Size: 195 (l)x105(w)x24(h) mm

Long grinding stone in rectangular shape, the upper side is slightly concave and ground for grinding purpose, the lower side flattened, no shoulders; brownish colour.

108. Reg. No. ----; Locus: AI/24; Layer: 3; Size: 300(l)x120 (w) mm

Broad kidney shape, the grinding (upper) side is concave, well-finished with granulated surface, the lower side is rough and naturally convex. It has one sharp shoulder; grey colour.

109. Reg. No. 441; Locus: AI/23; Layer: 2; Size: 430 (l)x170(w)x69 (h) mm

Long grinding stone in rectangular shape, well-made, the grinding side is concave with granulated surface and the other roughly convex with uneven surface, low end shoulders; grey colour.

110. Reg. No. 440; Locus: AI/17; Layer: 3; Size: 400(l)x190 (w)x150(h) mm

Oval-shaped quern, partly broken, the grinding side with raised edge at one end is well finished, the lower side is naturally unfinished and slightly convex; greyish colour.

111. Reg. No. 442; Locus: AI/17; Layer: 3; Size: 400(l)x190 (w)x150(h) mm

Rhomboid-shaped quern, partly broken, the grinding side with broad raised edge at one end, the opposite side is naturally flattened and unfinished; brownish colour.

112. Reg. No. 443; Locus: AI/17; Layer: 3; Size: 400(l)x190 (w)x150(h) mm

Deltoid shape, partly broken, the grinding side is well-finished with smoothed surface, the lower side is naturally unfinished and slightly convex; grey colour.

Whetstones and Stone Sharpeners

113. Reg. No. 436; Locus: AII/18; Layer: 6; Size: 100(l)x65 (w)x25(h) mm

Rectangular shape, large size, the upper side and long side edges were used for sharpening metal objects, the lower side is also flattened; grey colour.

114. Reg. No. 439; Locus: AII/12; Layer: 3; Size: 380(l)x170 (w)x50(h) mm

Trapezoidal-shaped large sharpener, the upper side and long side edges were used for sharpening metal tools, the lower side is also flattened but unused; grey colour.

115. Reg. No. 348; Locus: AI/17; Layer: 3; Size: 70 (l)x7 (w) mm

Bow-shaped sharpener, naturally made, the working side is highly ground and smoothed, the opposite side rough and uneven; greyish colour.

Reference: Dani 1964-65: p. 114

116. Reg. No. 353; Locus: BI/3; Layer: 2; Size: 105(l)x44 (w) mm

Triangular-shaped tablet, naturally made, both sides flattened, working side is highly ground, one side edge also used as sharpener; greyish colour.

117. Reg. No. 354; Locus: AI/25, Layer: 2; Size: 90 (l) mm

Long rectangular bar with one end narrow and another broader, the broad working side is slightly curved after usage and the opposite side in naturally convex form, one edge also used as sharpener; greyish colour.

118. Reg. No. 362; Locus: AI/17; Layer: 4; Size: 72(l)x12 (w) mm

Knife-shaped small sharpener for small tools, working side is highly rubbed and smoothed and the opposite side uneven with projected ridge; grey colour.

119. Reg. No. 373; Locus: AII/17; Layer: 2; Size: 80 (l)x20 (w) mm

Long rectangular bar, the working side is flattened and smoothed, and used for sharpening small tools and the opposite side has naturally uneven surface; grey colour.

120. Reg. No. 382; Locus: AII/17; Layer: 3; Size: 75(l)x17 (w) mm

Oblong-shaped bar, one side is smoothed and used for sharpening small tools, the other side is naturally rough and unfinished; greyish colour.

121. Reg. No. 393; Locus: AII/13; Layer: 4; Size: 105(l)x18 (w) mm

Acuminate shape like a sole of shoes, one side is flattened and smoothed used for sharpening small tools, the other side has sharp projected ridge used for handling; brownish grey colour.

122. Reg. No. 426; Locus: Surface; Layer: ---; Size: 75(l)x17 (w) mm

Acuminate shape like above, one side is smoothed and used for sharpening small tools and another is rough and partly broken; grey colour.

123. Reg. No. 423; Locus: AII/12; Layer: 3; Size: 126(l)x28 (w)x 13.9(T) mm

Lanceolate-shaped long bar, one side is highly smoothed and used for sharpening small tools, the other side is also flattened but rough; dark grey colour.

POTTERY**A. Complete/ Broken Pots****124. Reg. No. 319; Locus: AI/22; Layer: 3; Size: 37 (d)x15(h) mm**

Small circular lid with pointed knob at the centre, the other side is flattened, handmade; pinkish colour.

125. Reg. No. 330; Locus: AI/22; Layer: 3; Size: 95(d)x55(h) mm

Small globular vessel with everted rim and slightly convex base, the exterior surface is rough and coarse, pinkish colour with pinkish slip.

126. Reg. No. 401; Locus: AII/12; Layer: 4; Size: 85 (d)x150(h) mm

Squat-shaped small vessel with straight neck, low flared rim and broad flat base, medium texture, smoothed surface, pinkish colour with pinkish slip.

127. Reg. No. 403; Locus: AII/12; Layer: 4; Size: 78 (d)x84 (h) mm

Small globular vessel in the shape of short convex cone with narrow neck, incurved rim and flattened base, a shallow grooved line round middle body, burnt signs visible on one side, medium fabric, rough and corroded surface; red slip on pinkish surface.

128. Reg. No. 404; Locus: AI/23; Layer: 2; Size: 104 (d)x81 (h) mm

Small carinated vessel with beaded rim, lower body broken, plain surface, fine thin fabric; brownish slip on pinkish surface.

129. Reg. No. 329; Locus: AII/22; Layer: 3; Size: 70(d)x50(h) mm

Tiny globular pot (oil or ointment bottle) in the shape of short convex cone with narrow neck and flat base, horizontal grooved lines round middle body, rim with neck broken, medium fabric, fine smoothed surface; greyish slip on grey surface.

130. Reg. No. 357; Locus: AI/17; Layer: 4; Size: 50(h) mm

Tiny globular pot (oil or ointment bottle) with bulging body, tall narrow neck, broad finial for receiving liquid and flat base, pair of horizontal

grooved lines round shoulder, medium fabric, fine smoothed surface; red slip on pinkish surface.

131. Reg. No. 402; Locus: AII/12; Layer: 4; Size: 103 (d)x91(h) mm

Tiny globular pot (oil or ointment bottle) in ovoid shape with narrow neck, broad finial with raised rim for receiving liquid and flat base, pairs of horizontal grooves round upper body and shoulder, medium fabric, burnt signs seen on body, fine smoothed surface; red slip on pinkish surface.

Reference: Marshall no. 12, pl. 121,

132. Reg. No. 318; Locus: AI/23; Layer: 2; Size: 72(d)x20(h) mm

Small bowl with straight rim, shallow body with small ring cut base, medium fabric with smoothed surface, burnt signs seen on rim perhaps used as oil lamp; pinkish slip on pinkish surface.

133. Reg. No. 408; Locus: AI/23; Layer: 4; Size: 68.4 (d)x21.5(h) mm

Small bowl with splayed rim, shallow body with small plain base, rim slightly damaged, medium fabric with smoothed surface; pinkish slip on pinkish surface.

B. Description of Pots and Potsherds

A. Potsherds with Significant Features

i (a-b). AI/12, Layer: 6

Small hemispherical bowl with low disc base designed with ring cut impression, surface corroded; pinkish colour.

Reference: Dani 1964-65: fig. 46 (10)

ii (a-b). AI/13, Layer: 3

Small bowl with flat base and tapering wall and deep ring cut impression, fine smoothed surface; brownish slip on pinkish surface.

Reference: Dani 1964-65: fig. 46 (10)

iii (a-b). AI/22, Layer: 3

Large drinking bowl with narrow lower body and wide shoulder with straight rim and small ring cut base; medium fabric, pinkish slip on pinkish surface.

iv. AI/22, Layer: 3

Fragment of large bowl with narrow lower body in tapering shape and wide shoulder

with incurved rim, pair of grooves round upper body, fine smoothed surface, red slip on pinkish surface.

v. AI/22, Layer: 4

Fragment of large serving bowl with wide upper body in spherical shape and short everted rim, pair of grooves round upper body, fine medium texture; redish slip on pink surface.

vi (a-b). AI/22, Layer: 4

Low pedestalled cup with domical hollow base, upper body broken, a pair of deep grooves round shoulder, medium texture and fine smoothed surface, pinkish slip on pink surface.

vii (a-b). Layer: 4

Lower part of low pedestalled cup with domical hollow base, tapering body, medium fine texture; pinkish slip on pink surface.

viii (a-b). AI/17, Layer: 3

Pedestalled cup with deep concave base, mostly broken, medium texture; pinkish slip on pinkish surface.

ix (a-b). AI/22, Layer: 4

Small globular vessel with broad flared rim and flat base, found in broken and fragile condition; fine thick fabric; redish slip on pinkish surface.

x (a-b). AI/25, Layer: 3

Fragment of wide globular pot, flared rim, parallel grooved lines round shoulder; red slip on pinkish surface.

xi (a-b). AI/17, Layer: 4

Fragment of composite pot, cylindrical body with broken handles, thick texture, pinkish slip on pinkish surface.

xii. AI/17, Layer: 2

Bodysherd, rectangular shape, black painting of a plant motif on red surcae, medium fabric, redish slip on pinkish surface.

xiii. Locus & layer uncertain

Bodysherd of small pitcher, painted with a broad band of crisscross lines, thin fabric; pink slip on pinkish surface.

xiv. Locus: AI/17, Layer: 4

Broad rim of pedestalled cup, top is painted with cross-hatching lines in triangle, fine smoothed surface; red slip on pinkish surface.

xv. Locus: AI/21, Layer: 2

Fragment of broad rim of pedestalled cup,

top side is painted with black parallel lines in triangular shape, fine surface; red slip on pinkish surface.

xvi. Locus: AI/17, Layer: 4

Fragment of broad rim of pedestalled cup, top surface is painted with hatched triangle and extended curve at side, medium fabric, red slip on pinkish surface.

xvii. Layer: 9

Fragment of broad rim of pedestalled cup, top side is painted with parallel lines in twin triangles, medium fabric, pink slip on pinkish surface.

xviii. Locus: AI/17, Layer: 2

Fragment of broad rim of pedestalled cup, top side is painted with parallel lines in series of triangles, fine smoothed surface; red slip on pinkish surface.

xix. Locus: AI/17, Layer: 4

Fragment of broad rim of pedestalled cup, the broader area is painted with thick parallel lines in twin triangles, medium fabric; red slip on pinkish surface.

xx. Layer: 4

Fragments of broad rim of pedestalled cup, the flat area is painted with hatched triangles, fine smoothed surface, pink surface on pinkish slip.

xxi. Layer: 3

Fragment of flat extended rim, the flat area is painted with vertical lines, fine smoothed surface, red surface on pinkish colour.

xxii. Locus: AI/17, Layer: 4

Fragment of broad rim of pedestalled cup, the flat area is painted with three vertical lines, medium texture; pink slip on pinkish surface.

xxiii. Locus: AI/17, Layer: 3

Potsherd of globular vessel with curved rim, the upper area is painted with parallel lines, fine texture, smoothed exterior surface; red slip on pinkish surface.

xxiv. Locus: AI/17, Layer: 4

Fragment of broad rim of pedestalled cup, the flat area is painted with three vertical lines, medium fabric; red slip on pinkish surface.

xxv. Locus: AII/18, Layer: 7

Rim fragment of globular vessel, top and inner side of rim are painted with broad horizontal lines, fine texture, smoothed surface, red slip

on pinkish surface.

xxvi. Locus and layer uncertain

Potsherd of plate, the inner body is painted with a series of hatched triangles, fine smoothed surface; brownish slip on red surface.

xxvii. Layer: 3

Bodysherd of vessel, the exterior body is painted with petalled-leaf motif, medium fabric, pinkish slip on pink surface.

xxviii. Layer: 4

Small bodysherd of globular vessel, shoulder is painted with cross-hatching lines, fine smoothed fabric; pinkish slip on pink surface.

xxix. Layer: 3

Small fragment of pot, the exterior surface is painted with thick cross-hatching lines, thick texture; fine medium texture; red slip on pinkish surface.

xxx. Layer: 3

Potsherd of standard plate, the interior surface is painted with concentric circles and the inner one has pair of vertical lines; red slip on pinkish surface.

xxxi. Locus and layer uncertain

Small fragment of plate, the exterior surface is painted with a thick circle, medium fabric; red slip on pinkish surface.

xxxii. Layer: 4

Fragment of large bowl with extended rim, series of grooved lines below rim, the outer body is painted with parallel zigzag pattern surmountd by a plant motif, fine smoothed surface; pink slip on pinkish surface.

xxxiii. Layer: 4

Potsherd of medium vessel, the exterior surface is painted with plant motif between horizontal grooves, medium fabric, pink slip on pinkish surface.

xxxiv. Layer: 2

Fragment of plate, the interior side is painted with thick cross lines, fine thick fabric, smoothed surface, red slip on pinkish surface.

xxxv. Layer: 3

Small bodysherd of large plate, the interior side is painted with parallel lines enclosed within a circle which is bounded by cross lines, medium fabric; red slip on pinkish surface.

xxxvi. Layer: 5

Potsherd of globular vessel, the exterior side is painted with horizontal band of hatched triangles enclosed within plain lines; fine smoothed surface, red slip on pinkish surface.

xxxvii. Layer: 4

Small bodysherd of bowl, the exterior wall below rim is painted with parallel zigzag band enclosed within plain lines, thin fabric, fine smoothed texture; pinkish slip on pink surface.

xxxviii. Locus: AI/17, Layer: 5

Rim fragment of large vessel, rim made in three rings and exterior body painted with cross lines, fine smoothed surface; red slip on pinkish surface.

xxxix. Layer: 4

Rim fragment of large vessel, thick square rim and projected rib round neck, the flat exterior surface is painted with wavy lines, thick fine fabric; red slip on pinkish surface.

xl. Layer: 2

Shoulder fragment of large vessel, a thick horizontal line is painted below neck followed by other designs but missing, thick texture, fine surface; red slip on pinkish surface.

xli. Layer: 4

Bodysherd of globular vessel (pitcher), the exterior shoulder is painted with horizontal band of crisscross lines, medium fabric, fine surface; red slip on pinkish surface.

xlii. Layer: 4

Potsherd of large plate, the interior surface is painted with hatched triangles in outer ring and triangles of parallel lines in inner ring, medium fabric, smoothed surface, red slip on pinkish surface.

xlili. Layer: 4

Tiny bodysherd of medium ware, the exterior body is painted with horizontal band of parallel zigzag lines enclosed within plain lines in grooves, medium fabric, smoothed surface; red slip on pinkish surface.

xliv. Layer: 3

Fragment of shallow bowl, the inner base is painted with hatched triangles in outer circle and broad rim with parallel lines, the centre is stamped with floral motif, medium fabric; red slip on pinkish surface.

xlv. Layer: 3

Fragment of shallow bowl, the inner base is painted with parallel hatched triangles (like no. xlv) and broad rim with a grooved line in the centre painted with vertical lines, medium fabric; red slip on pinkish surface.

xlvi. Locus: AII/12, Layer: 4

Potsherd of large plate, the inner base is painted with circles applied on highly projected rings, thick fabric, smoothed surface; red slip on pinkish surface.

xlvii. Locus: AII/22, Layer: 4

Potsherd of medium plate, the inner base is painted with a thick circle along with grooved circles, fine medium texture; pink slip on pinkish surface.

xlviii. Layer: 5

Potsherd of vessel, the inner surface is painted with a star like design, medium fabric, fine surface and texture; red slip on pinkish surface.

xlix. Locus: AI/13, Layer: 2

Bodysherd of plate, the inner base is painted with thick concentric circles along with grooved circles, fine smoothed surface; pink slip on pinkish surface.

l. Layer: 3

Small fragment of pot perhaps plate, the inner base is painted with concentric circles, fine medium fabric; pink slip on pinkish surface.

li. Layer: 3

Potsherd of pitcher, the exterior body is painted with geometrical designs and horizontal lines, medium fabric; red slip on pinkish surface.

lii. Locus: AII/23, Layer: 5

Potsherd of small globular vessel, the exterior body is painted with a band of hatched triangles, thin fabric; red slip on pinkish surface.

liii. Layer: 3

Fragment of serving bowl with flat projected rim, pair of grooved lines round shoulder and rim painted with vertical parallel lines, fine texture; red slip on pinkish surface.

liv. Layer: 3

Small fragment of jug, outer shoulder is painted with a zigzag horizontal band, grey core with fine smoothed surface; red slip on pinkish surface.

lv. Locus: AI/17, Layer: 4

Small fragment of shallow plate, interior rim is painted with a dotted circle, smoothed surface; pink slip on pinkish surface.

lvi. Layer: 2

Potsherd of vessel, exterior surface is painted with vertical wavy lines enclosed within plain lines; fine texture; red slip on pinkish surface.

lvii. Layer: 4

Potsherd of vessel (pitcher), the outer surface is painted with crisscross lines, medium fabric, fine texture; red slip on pinkish surface.

lviii. Locus: AII/22, Layer: 5

Fragment of globular vessel, the outer surface is painted with thick horizontal lines, medium fabric, fine smoothed surface, red slip on pinkish surface.

lix. Locus: AII/12, Layer: 4

Potsherd of medium vessel, the outer body is painted with thick parallel lines, smoothed surface; pink slip on pinkish surface.

lx.: Layer: 3

Small fragment of plate, the inner base is painted with parallel zigzag lines within circle, fine smoothed surface, red slip on pinkish surface.

lxi. Locus: AII/12, Layer: 4

Small fragment of globular vessel, the exterior body is painted with dotted rosette with a dot in the centre, medium fabric, medium texture; brownish slip on red surface.

lxii. Locus: AI/17, Layer: 6

Potsherd of bowl, the inner body is painted with a floral motif, fine smoothed surface; pink slip on pinkish surface.

lxiii. Locus: AI/17, Layer: 3

Small fragment of globular vessel (pitcher), the exterior body is painted with dotted rosette with a dot in the centre and horizontal band, medium texture; red slip on pinkish surface.

lxiv. Layer: 2

Bodysherd of large vessel (pitcher), the exterior body is painted with geometrical designs, medium texture and fabric; red slip on pinkish surface.

Reference: Dani 1963-64: No. 12, Fig. 42

lxv. Layer: 3

Rim fragment of plate with a deep groove along outer edge, the grooved area is painted with a thick horizontal line, fine smoothed texture and surface; red slip on pinkish surface.

lxvi. Locus: AII/17, Layer: 5

Moulded bowl with vertical rim and low hollow pedestal, half broken, the entire exterior is decorated with parallel lines of zigzag bands in two registers in medium relief and each bounded by plain and dotted lines above and below, highly delicate and fashion ware, thin section and fine fabric; pink slip on pinkish surface.

lxvii. Locus: AI/17, Layer: 4

Fragment of designed plate, the inner base is decorated with a naked human figure in kneeling position to right perhaps with clasped hands, head portion is missing, enclosed within reel and beaded border, outer base flattened, highly sophisticated and fashion ware, medium fabric with smoothed surface; pink slip on pinkish surface.

lxviii. Layer: 4

Fragment of medium vessel, appliqué lug in curved shape on shoulder below grooved line, medium texture, pink slip on pinkish surface.

lix. Locus: AI/12, Layer: 5

Small fragment of medium vessel, the exterior body is decorated with a pair of appliqué legs of human figure or a base of lug and two pairs of grooved lines, medium fabric; red slip on pinkish surface.

Reference: Dani 1964-65: fig. 46 (10)

lxx. Locus: AI/17, Layer: 5

Small fragment of bowl, the inner base is stamped with floral motif shown in low relief, fine texture with smoothed surface, pink slip on pinkish surface.

lxxi. Layer: 1

Small bodysherd perhaps of plate, the inner side is stamped with a floral motif, mostly missing, medium fabric, pink slip on pinkish surface.

lxxii (a-b). Layer: 3

Potsherd of fashion ware with low everted rim, vertical wall below rim is stamped with a series of leaf pattern like human hands, medium fabric, fine smoothed surface, pink slip on pinkish surface.

lxxiii (a-c). Locus: AI/17, Layer: 4

Small fragment of vessel (perhaps pitcher), the outer shoulder is stamped with a sun symbol followed by a pair of grooved lines, medium fabric, pink slip on pinkish surface.

lxxiv (a-c). Locus: Surface

Small bodysherd of vessel, the exterior body is stamped with a star like symbol, space between rays is filled by dots, medium fabric, fine texture; red slip on pinkish surface.

lxxv. Layer: 4

Small fragment of vessel (pitcher), the exterior below neck is stamped with a cross symbol and filled by dots in the mid of horizontal band of short vertical lines which preceded by a rope pattern, medium fabric, smoothed texture, red slip on pinkish surface.

lxxvi. Locus: 17, Layer: 3

Small fragment of fashion ware, the entire surface is stamped with five petalled flower motifs, fine smoothed surface, red slip on pinkish surface.

lxxvii. Layer: 2

Bodysherd of large vessel (pitcher), shoulder below neck is decorated with a circular band filled with concentric circles (stamped), medium fabric; pink slip on pinkish surface.

lxxviii. Locus: Layer: 3

Bodysherd of large vessel (pitcher), the exterior surface below neck is stamped with concentric circles followed by a series of grooved lines, medium fabric, brownish slip on pinkish background.

lxxix (a-b). Locus: Layer: 4

Small fragment of vessel, the exterior surface is stamped with a concentric circle and horizontal grooved lines, medium texture, pink slip on pinkish surface.

lxxx. Locus: AII/13, Layer: 7

Bodysherd of water pitcher, shoulder below neck is stamped with denticulates in circular design followed by concentric circles in outer area, medium fabric, fine texture, pink slip on pinkish surface.

lxxxi. Locus: AII/18, Layer: 4

Bodysherd of vessel (pitcher), the exterior is stamped with small concentric circles within grooved border, medium fabric, smoothed surface; pink slip on pinkish surface.

lxxxii (a-b). Layer: 2

Potsherd of large vessel, the exterior surface below neck is decorated with long and short denticulate patterns in opposite direction, medium fabric, brown slip on pinkish surface.

lxxxiii. Layer: 2

Potsherd of large vessel, shoulder below neck is decorated with a long denticulate pattern, medium texture; red slip on pinkish surface.

lxxxiv. Layer: 2

Bodysherd of large vessel (water pitcher), shoulder is decorated with round band filled with small denticulates, medium fabric, fine smoothed surface; pink slip on pinkish surface.

Lxxxv (a-b). Locus: AII/22, Layer: 5

Bodysherd of large vessel with short everted rim, shoulder below neck is decorated with a band of broad denticulate pattern, medium fabric, fine smoothed surface; pink slip on pinkish surface.

lxxxvi (a-b). Layer: 2

Small fragment of large vessel, shoulder is decorated with a band of small denticulate pattern, medium fabric, fine texture; red slip on pinkish surface.

lxxxvii. Locus: AII/12, Layer: 4

Potsherd of large vessel, shoulder is decorated with a band of medium denticulate pattern, medium fabric, fine texture; red slip on pinkish surface.

lxxxviii. Locus: AII/23, Layer: 1

Small fragment of large vessel, shoulder is decorated with a band of oblique denticulate pattern, thick section with black core, fine texture; red slip on redish surface.

lxxxix (a-b). Locus: AII/13, Layer: 3

Potsherd of large vessel, shoulder is decorated with bands of elongated denticulates arranged in two tiers separated by a pair of grooved lines, medium fabric; pink slip on pinkish surface.

xc (a-b). Locus: AII/13, Layer: 5

Potsherd of large vessel, upper body below neck is decorated with concentric grooves followed by a denticulate band, medium fabric, fine texture, pink slip on pinkish surface.

xci (a-b). Locus: AII/13, Layer: 3

Potsherd of large vessel, upper body below neck is decorated with denticulate bands in

two rings, all denticulates are made in narrow elongated shape, medium fabric, smoothed surface; pink slip on pinkish surface.

xcii (a-b). Locus: AII/17, Layer: 6

Potsherd of large vessel, upper body below neck is decorated with denticulate bands in two tiers, all denticulates are narrow and framed in congested design, the outer surface partly chipped off, medium fabric; orange slip on pinkish surface.

xciii (a-b). Locus: AII/18, Layer: 4

Small fragment of large vessel, upper body below neck is decorated with denticulate bands in two tiers and separated by a plain line, denticulates are made in triangular shape, medium fabric, fine texture, pink slip on pinkish surface.

xciv (a-b). Locus: AI/13, Layer: 3

Small bodysherd of large vessel, upper body below neck is decorated with denticulate bands in two tiers, denticulate appeared in wedge-shaped pattern, medium fabric, fine surface; pink slip on orange surface.

xcv (a-b). Layer: 3

Small fragment of large vessel (storage pot), vertical wall below rim is decorated with a short wavy line, thick fabric, fine surface; pink surface on pinkish surface.

xcvi (a-b). Layer: 5

Small fragment of large vessel (storage pot), wall below rim is decorated with a large-sized wavy band, thick fabric with grey core, smoothed surface; pink slip on pinkish surface.

xcvii (a-b). Locus: AII/18, Layer: 5

Small fragment of large vessel (storage pot), upper body below rim is decorated with an irregular short-sized wavy band, thick fabric, coarse texture; orange slip on buff surface.

xcviii (a-b). Layer: 2

Small fragment of large vessel (storage pot), upper body below rim is decorated with an oblique wavy band, thick fabric, smoothed surface; pinkish slip on orange surface.

xcix. (a-b). Layer: 2

Small fragment of large vessel (storage pot), upper body below rim is decorated with a small-sized wavy band, thick fabric, coarse surface; red slip on pinkish surface.

c. Layer: 3

Small fragment of large vessel (storage pot), upper body below rim is decorated with a long oblique wavy band, thick fabric, rough surface; pinkish slip on orange surface.

ci. Locus: AII/23, Layer: 4

Small fragment of large vessel (storage pot), upper body below rim is decorated with a wavy band and parallel grooved lines, thick fabric, gritty texture with grey core, pink slip on pinkish surface.

cii. Locus: AII/22, Layer: 5

Small fragment of vessel (storage pot), upper body below rim is decorated with a wavy band and horizontal grooved lines, medium fabric, fine texture; pink slip on pinkish surface.

ciii. Locus: AII/23, Layer: 3

Bodysherd of large vessel (storage pot), shoulder is decorated with a band of long wavy line and horizontal groove, thick section with grey core; slight brown slip on pinkish surface.

civ. Locus: AII/12, Layer: 2

Small fragment of vessel (storage pot), exterior body is decorated with two wavy bands in two tiers and each separated by a pair of grooved lines, medium fabric, fine smoothed surface; red slip on pinkish surface.

cv. Locus: AII/18, Layer: 4

Small fragment of large vessel (storage pot), exterior body is decorated with a large wavy band, thick fabric, medium texture; pink slip on pinkish surface.

cvi. Locus: AII/22, Layer: 5

Potsherd of large vessel (storage jar), outer body is decorated with multiple wavy bands and each separated by a horizontal grooved line, medium fabric, smoothed surface; red slip on pinkish surface.

cvi. Locus: AII/13, Layer: 4

Fragment of large vessel (storage pot), exterior body is decorated with double wavy bands, thick fabric, medium texture; cream slip on buff surface.

cvi. Layer: 3

Small fragment of large vessel (storage pot), exterior body is decorated with a wavy band and a rope pattern, thick fabric, smoothed surface; pink slip on pinkish surface.

cix. Layer: 3

Fragment of large vessel (storage pot), exterior surface is decorated with a large wavy band followed by a horizontal rope pattern, thick fabric with grey core, fine smoothed surface, pink slip on pinkish surface.

cx. Locus: AII/23, Layer: 3

Small fragment of vessel (storage pot), outer body is decorated with a cordon of rope pattern and a deep grooved horizontal line.

cxi. Locus: AII/23, Layer: 3

Small fragment of large vessel (storage pot), exterior body is decorated with a cordon of rope pattern, medium fabric, fine texture, red slip on brownish surface.

cxii. Locus: AII/13, Layer: 5

Small fragment of large vessel (storage pot), shoulder below neck is decorated with cordon of rope pattern, thick fabric, medium texture, pink slip on pinkish surface.

cxiii. Locus: AI/17, Layer: 2

Small fragment of large vessel (storage pot), exterior body is decorated with oblique lines on rectangular cordon, medium fabric, smoothed surface; pink slip on pinkish surface.

cxiv. Layer: 3

Small bodysherd of large vessel (storage pot), exterior body is decorated with a cordon of diamond pattern, thick fabric, fine texture, pink slip on pinkish surface.

cxv. Locus: AI/18, Layer: 3

Tiny fragment of large vessel (storage pot), exterior body is decorated with a cordon of beaded shape, thick fabric with gritty grey core, fine surface; pink slip on pinkish surface.

cxvi. Layer: 4

Potsherd of large vessel (storage pot), shoulder is decorated with a cordon of rope pattern, thick fabric, medium texture; pink slip on pinkish surface.

cxvii. Locus: AII/22, Layer: 4

Bodysherd of large vessel (storage pot), exterior surface is decorated with a cordon of fine rope pattern, medium fabric, smoothed surface, pink slip on pinkish surface.

cxviii. Locus: AII/23, Layer: 2

Bodysherd of large vessel (storage pot), outer body is decorated with a cordon of rough rope

pattern, medium fabric and texture; pink slip on pinkish surface.

cxix. Locus: AII/23, Layer: 6

Bodysherd of large vessel (storage pot), exterior body is decorated with a thin cordon of rope pattern in segments, medium fabric, fine smoothed texture; pink slip on pinkish surface.

cxx. Layer: 2

Fragment of large vessel (storage pot), exterior surface is decorated with a cordon of loose style rope, medium fabric, fine surface; pink slip on pinkish surface.

cxxi. Locus: AII/13, Layer: 4

Bodysherd of large vessel (storage pot), exterior body is decorated with pairs of horizontal grooves, shallow wavy lines and small cordon of rope pattern, medium fabric, smoothed surface; pink slip on pinkish surface.

cxxii. Locus: AII/18, Layer: 2

Small fragment of large vessel (storage pot), exterior body is applied with two cordons of rope pattern, thick fabric, medium texture; pink slip on pinkish surface.

cxxiii. Locus: AII/12, Layer: 2

Small fragment of large vessel (storage pot), exterior side is decorated with a wavy line and a cordon of rope pattern, thick fabric, medium texture; pink slip on pinkish surface.

cxxiv. Locus: AII/18, Layer: 5

Fragments of a large vessel (storage pot), exterior side is decorated with a thick cordon of rope pattern, medium fabric, fine texture; pink slip on pinkish surface.

cxxv. Layer: 5

Tiny piece of large vessel (storage pot), exterior surface is decorated with a cordon of chain pattern, thick fabric with grey core; red slip on pinkish surface.

cxxvi. Layer: 3

Fragment of large vessel (storage pot), curved neck is decorated with incised vertical lines, thick fabric, fine smoothed surface; pink slip on pinkish surface.

cxxvii. Locus: AII/12, Layer: 4

Neck fragment of large vessel (water pitcher), interior surface is carved with wavy line, thick fabric, smoothed surface; red slip on pinkish surface.

cxxviii. Locus: AII/12, Layer: 4

Neck fragment of large vessel (water pitcher), inner side is carved with broad wavy line, thick fabric, medium texture; pink slip on pinkish surface.

cxxix. Layer: 3

Neck fragment of large vessel (storage pot), interior surface is carved with a Roman letter W (wavy pattern), thick fabric, smoothed surface; pink slip on pinkish surface.

cxxx. Locus: AII/12, Layer: 4

Neck fragment of large vessel (water pitcher), inner side is carved with a Roman letter XX (wavy pattern), thick fabric, smoothed surface; pinkish-red slip on pinkish surface.

cxix. Layer: 3

Rim fragment of large vessel (storage pot), inner side is carved with oblique lines, thick fabric with grey core, medium texture, brownish slip on pinkish surface.

cxixii. Locus: AII/13, Layer: 2

Rim fragment of large vessel (water pot), inner side is carved with a zigzag line, thick fabric, medium texture, pink slip on pinkish surface.

cxixiii. Locus: AI/17, Layer: 6

Potsherd of large vessel (storage pot), interior rim is carved with a Roman letter V in double lines, thick fabric, fine smoothed surface, pink slip on pinkish surface.

cxixiv. Locus: AI/17, Layer: 2

Rim fragment of large vessel (storage pot), interior rim is carved with a zigzag line, thick fabric, medium texture, pink slip on pinkish surface.

cxixv. Locus: AI/18, Layer: 5

Neck fragment of large vessel (storage pot), inner side is carved with parallel vertical lines, medium fabric, fine texture, pink slip on pinkish surface.

cxixvi. Locus: AI/13, Layer: 5

Neck fragment of large vessel (storage pot), inner side is carved with a deep zigzag line, thick fabric with thin grey core, smoothed surface; pink slip on pinkish surface.

cxixvii. Locus: AII/12, Layer: 4

Potsherd of large vessel (water pitcher), interior rim is carved with a trident symbol, medium fabric, fine texture; red slip on pinkish surface.

cxixviii. Locus: AII/23, Layer: 4

Rim fragment of large vessel (storage pot), interior rim is carved with a Roman 'X' symbol, thick fabric with grey core, surface deteriorated; brown slip on pinkish surface.

cxixix. Locus: AII/23, Layer: 4

Rim fragment of large vessel (large pot), shoulder below rim (three rings) is decorated with a denticulate pattern, thick fabric, fine smoothed surface; pink slip on pinkish surface.

cxl. Layer: 4

Small bodysherd of large vessel (storage pot), exterior body is decorated with a cordon of vertical lines, thick fabric, medium texture; buff slip on pinkish surface.

cxli (a-b). Locus: AI/18, Layer: 4

Small bodysherd of vessel, exterior body is decorated with a highly projected cordon supported by beaded base, thick fabric, fine texture, pink slip on pinkish surface.

cxlii. Layer: 3

Base fragment of large vessel, outer body is decorated with deep concentric grooves, thick fabric, fine texture; pink slip on pinkish surface.

cxliii. Locus: AI/13, Layer: 2

Small bodysherds of vessels, series of short grooves are applied on exterior surface, medium fabric; pink slip on pinkish surface.

cxliv. Locus: AII/22, Layer: 4

Small fragment of vessel (pitcher), inner side of the rim is carved with three parallel vertical lines, medium fabric, smoothed surface; pink slip on pinkish surface.

cxlv. Locus: AI/17, Layer: 5

Potsherd of medium vessel, irregular ridges are applied on wet surface of the exterior body, medium fabric, gritty texture; orange slip on pinkish surface.

cxlvi. Locus: AII/18, Layer: 5

Small fragment of medium vessel, two holes are made for keeping string and decorated with a grooved line, medium fabric, smoothed surface, pink slip on pinkish surface.

cxlvii. Locus: AII/18, Layer: 7

Bodysherd of large vessel, exterior body is decorated with grooves, thick fabric, medium texture; grey slip on greyish surface.

cxlvi. Layer: 4

Bodysherd of jug, exterior body has a base of broken handle and parallel horizontal grooves round body, medium fabric, fine texture; pink slip on pinkish surface.

cxlix. Layer: 3

Bodysherd of drinking bowl straight rim, vertical wall decorated with horizontal lines and rim with shallow grooves, thin fabric, fine texture, pink slip on pinkish surface.

cl. Layer: 4

Bodysherd of large bowl with wide rim and carinated shoulder, medium fabric, fine smoothed surface; red slip on pinkish surface.

cli. Locus: AI/17, Layer: 5

Bodysherd of large bowl with straight rim, exterior body is decorated with a pair of horizontal grooves, medium fabric, fine smoothed texture; red slip on pinkish surface.

clii. Locus: AII/12, Layer: 2

Bodysherd of standard bowl with vertical rim, carinated shoulder, exterior rim is decorated with a pair of horizontal grooves, medium fabric, fine smoothed texture; red slip on pinkish surface.

cliii. Locus: AI/17, Layer: 4

Bodysherd of shallow bowl with splayed rim, plain body, lower body in thick fabric and upper in medium fabric, fine smoothed texture; red slip on pinkish surface.

cliv. Locus: AI/23, Layer: 5

Bodysherd of standard bowl, incurved body, straight rim with pronounced groove round exterior side, thin fabric, fine smoothed texture; red slip on pinkish surface.

clv. Locus: AII/21, Layer: 2

Bodysherd of standard bowl with vertical wall and slightly incurved rim, double grooves round exterior side, medium fabric and texture; red slip on pinkish surface.

clvi. Locus: AI/17, Layer: 4

Bodysherd of standard goblet with incurved wall and rim, series of shallow grooves round body, medium fabric and texture; pink slip on pinkish surface.

clvii. Layer: 2

Small fragment of vessel (perhaps condenser) with triangular rim, the upper exterior is

marked by shallow grooves, medium fabric and texture; pink slip on pinkish surface.

clviii. Layer: 3

Potsherd of small vessel (perhaps pitcher) with tall curved neck and semi-circular rim, plain body, medium fabric, fine smoothed texture; red slip on pinkish surface.

clix. Locus: AI/23, Layer: 2

Small fragment of medium vessel with semi-circular beaded rim, plain body, medium fabric, fine texture; red slip on pinkish surface.

clx. Layer: 2

Potsherd of medium vessel (pitcher) with thick flared rim, plain body, medium fabric, fine smoothed surface; red slip on pinkish surface.

clxi. Locus: AII/13, Layer: 3

Bodysherd of slim jar with tall neck and rectangular rim, shoulder below rim is decorated with broad grooves, thick fabric, smoothed surface; red slip on pinkish surface.

clxii. Locus: AII/13, Layer: 4

Bodysherd of medium vessel with everted rim, curved neck with rib pattern on exterior, medium fabric, fine smoothed surface; brownish slip on pink surface.

clxiii. Locus: AII/13, Layer: 2

Small fragment of medium vessel with semi-circular rim, curved neck with grooved lines at regular interval on exterior, medium fabric, extremely fine texture; pink slip on pinkish surface.

clxiv. Locus: AI/17, Layer: 3

Small fragment of large vessel with everted rim, interior neck is decorated with horizontal grooves at regular interval, thick fabric with gritty grey core, smoothed surface; red slip on pinkish slip.

clxv. Locus: AII/23, Layer: 3

Bodysherd of large bowl with short incurved wall and beaded rim, plain body, medium fabric, fine texture, brownish slip on pink surface.

clxvi. Locus: AI/17, Layer: 5

Bodysherd of large bowl with projected out-curved rim, a pair of grooved lines round body below rim, thick fabric, medium texture, pink slip on pinkish surface.

clxvii. Locus: AII/18, Layer: 3

Bodysherd of large shallow bowl with short incurved wall and straight rim, variety of grooved lines round thin rim and body, medium fabric, fine texture; pink slip on pinkish surface.

clxviii. Locus: AII/12, Layer: 5

Bodysherd of large bowl with short everted rim, a pair of grooved lines below rim, thick fabric, fine texture; pink slip on pinkish surface.

clxix (a-b). Locus: AII/18, Layer: 4

Fragment of large vessel with thick oblique rim, interior neck is carved with a zigzag line, medium fabric and texture; pink slip on pinkish surface.

clxx. Locus: AII/18, Layer: 4

Small fragment of medium vessel with semi-circular rim, horizontal grooved lines below rim, medium fabric, fine smoothed surface; pink slip on pinkish surface.

clxxi. Locus: AII/12, Layer: 4

Small fragment of vessel (perhaps pitcher) with tripple-ringed rim, medium fabric, fine texture; red slip on pinkish surface.

clxxii. Locus: AII/12, Layer: 2

Small fragment of large vessel with deep tripple-ringed rim, medium fabric and texture; pink slip on pinkish surface.

clxxiii. Layer: 3

Small fragment of large vessel with shallow tripple-ringed straight rim, thick fabric, medium texture; pink slip on pinkish surface.

clxxiv. Layer: 5

Small fragment of vessel with tripple-ringed rim in pronounced curves, thick fabric, medium texture; pink slip on pinkish surface.

clxxv. Layer: 2

Small fragment of large vessel with tripple-ringed flat rim, thick fabric, fine texture; pink slip on pinkish surface.

clxxvi. Locus: AI/21, Layer: 3

Small fragment of large vessel with sloping rim, a pair of parallel grooves below rim, thick texture, fine smoothed surface; red slip on pinkish surface.

clxxvii. Layer: 4

Small fragment of large vessel with triangular rim, a pair of grooved lines round body below

rim, medium fabric and texture; red slip on pinkish surface.

clxxviii. Locus: AI/17, Layer: 3

Bodysherd of large vessel with out-curved rim, a pair of grooves round shoulder, medium fabric, fine texture, pink slip on pinkish surface.

clxxix. Locus: AII/12, Layer: 4

Bodysherd of large vessel (perhaps bowl) with short everted rim, ripple pattern round body, thick fabric, fine smoothed surface; red slip on pinkish surface.

clxxx. Locus: AII/12, Layer: 4

Bodysherd of pedestalled cup with broad flattened rim, plain body, medium fabric, smoothed surface; pink slip on pinkish surface.

clxxxi. Locus: AII/12, Layer: 4

Fragment of bowl with vertical rim, a large horizontal grooved line round below rim, medium fabric and texture; pink slip on pinkish surface.

clxxxii. Layer: 4

Small fragment of dish with broad flattened rim, grooved line (circle) on inner base, medium fabric and texture; red slip on pinkish surface.

clxxxiii. Layer: 3

Bodysherd of medium dish with broad splayed rim, plain body, medium fabric, smoothed surface; pink slip on pinkish surface.

clxxxiv. Locus: AII/21, Layer: 2

Small fragment of small dish with broad extended rim and curved base like bowl, plain body, medium fabric, fine texture; pink slip on pinkish surface.

clxxxv. Layer: 2

Fragment of medium dish with everted rim widely splayed, plain body, medium fabric, fine texture, redish buff slip on pinkish surface.

clxxxvi. Layer: 4

Bodysherd of small dish with straight everted rim, plain body, medium fabric, smoothed surface; red slip on pinkish surface.

clxxxvii. Layer: 2

Small fragment of medium dish with everted rim, plain body, medium fabric, fine smoothed surface; pink slip on pinkish surface.

clxxxviii. Layer: 2

Small fragment of plate with broad extended rim, painted with vertical lines, medium fabric, fine texture; pink slip on pinkish surface.

clxxxix. Layer: 3

Fragment of pedestalled cup with broad everted rim, plain body, medium fabric, smoothed surface; red slip on pinkish surface.

cxc. Layer: 1

Dish fragment with everted rim and a grooved line round upper edge of rim, medium fabric and texture; pink slip on pinkish surface.

cxci. Locus: AII/22, Layer: 5

Lower body of standard bowl with flat base, grooved circle on base and round lower body, medium fabric, fine smoothed surface; red slip on pinkish surface.

cxcii. Layer: 4

Fragment of small bowl with ring-cut base, exterior surface uneven, plain body, medium fabric, fine smoothed surface; red slip on pinkish surface.

cxci. Locus: AI/22, Layer: 4

Lower body of standard bowl with short pedestalled base, plain body, medium fabric, fine smoothed surface; red slip on pinkish surface.

cxci. Locus: AII/13, Layer: 3

Ring-cut bases of small and medium bowls, upper bodies broken, medium fabric; pink slip on pinkish surface.

cxci. Locus: AII/18, Layer: 5

Lower body of bowl with broad base, shallow circular gutter on base, medium fabric and texture; pink slip on pinkish surface.

cxci. Locus: AI/13, Layer: 3

Lower body of bowl with large base, circular gutter on base and grooved round lower body, medium fabric, fine texture; pink slip on pinkish surface.

cxci. Layer: 5

Small fragment of bowl with shallow concave base, plain surface, medium fabric, fine smoothed texture; pink slip on pinkish surface.

cxci. Layer: 4

Lower body of pedestalled cup with narrow concave base, medium fabric and texture;

brownish slip on pinkish surface.

cxci. Layer: 2

Fragment of pedestalled cup with broad base, base is low domical hollow from outer side, medium fabric, nice texture; pink slip on pinkish surface

cc. Layer: 2

Bases of short pedestaled cups, low hollow from outer side, medium fabric, fine texture; pink slip on pinkish surface.

cc. Layer: 2

Pair of low domical bases of pedestalled cups, the outer area in concave form, one is partly damaged, medium fabric and texture; greyish and pink slip on pinkish surface.

ccii. Locus: AII/12, Layer: 4

Base of low pedestalled cup, the lower (outer) side is concave, notable burnt signs round body, medium fabric, fine texture; pink slip on pinkish surface.

cciii. Locus: AI/22, Layer: 6

Fragment of large square dish with short vertical walls, flat base, one corner preserved, thick fabric, fine smoothed texture; pink slip on pinkish surface.

cciv. Locus: AII/12, Layer: 4

Broken handle of jug, curved body with rectangular section, medium fabric and fine texture; red slip on pinkish surface.

ccv. Locus: AII/12, Layer: 2

Broken handle of jug, one end is broader and another narrow, curved body with oblong section, medium fabric with fine smoothed surface; pink slip on pinkish surface.

ccvi. Locus: AII/12, Layer: 2

Broken handle of large pot, partly damaged, curved shape with round section, thick fabric with fine texture; pink slip on pinkish surface.

ccvii. Locus: AII/12, Layer: 2

Broken handle of large pot, semi-circular shape with round section, thick fabric with smoothed texture; pink slip on pinkish surface.

ccviii. Locus: AII/13, Layer: 4

Broken spout of jar, round shape, half broken, medium fabric, lower body detached from pot is rough and outer side fine; pink slip on pinkish surface.

ccix. Locus: AII/23, Layer: 2

Broken knob of lid, cylindrical shape with flat top, medium fabric, fine smoothed texture; pink slip on pinkish surface.

ccx. Locus: AI/22, Layer: 3

Broken knob of lid, cylindrical body with broad top surmounted by a low finial, medium fabric, smoothed texture; pinkish slip on buff surface.

ccxi. Locus: AII/13, Layer: 3

Tall narrow neck of bottle with vertical pronounced rim, medium fabric and texture; red slip on pinkish surface.

ccxii. Locus: AII/18, Layer: 4

Broad carinated lid with pointed knob in the centre, partly damaged, convex from outer side and concave from inner, medium fabric, fine smoothed texture; red slip on pinkish surface.

ccxiii. Locus: AII/18, Layer: 5

Small fragment of lid with short cylindrical knob in the centre, convex from outer side and concave from inner, medium fabric; pink slip on pinkish surface

ccxiv. Locus: AII/23, Layer: 4

Small fragment of lid with cylindrical knob and flat base of ring-cut impression, medium fabric, fine surface; red slip on pinkish surface.

ccxv. Locus: AII/12, Layer: 4

Small fragment of vessel with pointed knob, medium fabric, exterior texture is coarse; greyish slip on pinkish surface

ccxvi. Layer: 2

Small fragments of different vessels with pointed knobs of various sizes, medium fabric, coarse exterior, pink slip on pinkish surface.

ccxvii. Locus: AI/17, Layer: 6

Small fragment of water flask with a semi-circular lug, fire signs seen on external body, medium fabric, smoothed texture; pink slip on pinkish surface.

ccxviii. Layer: 6

Small fragment of water flask with a semi-circular lug, medium fabric, fine texture; pink slip on pinkish surface.

ccxix (a-b). Locus: AI/23, Layer: 6

Broken mouth of water flask, standard tapering neck with narrow rounded rim, medium fabric,

fine texture; buff slip on buff surface.

ccxx (a-b). Locus: AII/23, Layer: 5

Upper body of water flask with externally projecting rim and narrow concave neck, the broad sides are moulded with floral and geometrical designs, medium fabric and texture; pink slip on pinkish surface.

ccxxi. Locus: AI/17, Layer: 4

Mouth fragment of water flask with externally projecting rim, half broken, medium fabric, fine texture; pink slip on pinkish surface.

ccxxii. Locus: AI/17, Layer: 5

Upper body of miniature vessel with externally projecting rim and tapering wall of neck, medium fabric, fine texture; pink slip on pinkish surface.

ccxxiii. Layer: 5

Small fragment of jug with pinched rim, top edge is decorated with grooves, medium fabric, fine texture; pink slip on pinkish surface.

Grey Ware

ccxxiv. Locus: AII/12, Layer: 4

Small fragment of bowl with short everted rim, plain body, medium fabric, fine texture; grey slip on greyish surface.

ccxxv. Locus: AI/17, Layer: 4

Small fragment of bowl with everted rim, plain body, medium fabric, smoothed texture; greyish slip on light grey surface.

ccxxvi. Layer: 4

Small fragment of shallow dish with wide quadrangular rim, rim margin is carved with a pair of grooves, medium fabric, fine texture, dark grey slip on grey surface.

ccxxvii. Layer: 1

Fragment of small bowl with perpendicular rim and internal concave ledge, thick fragment, fine texture; grey surface.

ccxxviii (a-b). Locus: AII/23, Layer: 3

Lower body of small bowl with ring-cut base, thick fabric, medium texture; grey colour.

ccxxix. Layer: 4

Small potsherd of bowl with low flat disc, medium fabric, fine smoothed texture; grey slip on greyish surface.

ccxxx. Locus: AII/18, Layer: 5

Fragment of dish with low flat disc, thick fabric, smoothed texture, burnt signs seen on both sides; grey lip on greyish surface.

C. Description of Drawn Pottery

Plates and Dishes

9. Fig. 8. Trench AII/18, layer 3. Shallow dish with straight rim, slightly incurved walls and flat base, deep grooved lines round rim, medium fabric, smooth texture; red slip on pinkish surface.
87. Fig. 15. Layer 4. Wide dish with incurved sharp rim and convex side walls, flat base, grooved line round lower body near base, medium fabric, fine smooth surface; red slip on buff surface.
88. Fig. 15. Layer 4. Deep dish with slightly incurved oblique rim, convex base and slightly tapering side walls, pair of grooves round lower body, medium fabric, smooth surface; red slip on pinkish surface.
91. Fig. 15. Layer 4. Large carinated dish with extended beveled rim, upper body in concave shape and lower in convex separated by a pair of grooved lines, medium fabric, fine smoothed surface; red slip on pinkish surface.
110. Fig. 16. Trench AII/18, layer 8. Small carinated dish with sharp vertical rim, grooved lines round body, thin fabric, fine texture; red slip on pinkish surface.
132. Fig. 18. Layer 2. Wide shallow plate with thin flaring rim and thick convex base, thin fabric, fine smoothed surface; red slip applied on both sides.

Large Serving Bowls, Basins and Quenching Pots

2. Fig. 7. Trench AI/17, layer 5. Large bowl with externally projected collared rim in triangular shape, pair of grooves below rim, medium fabric with thin black core, micaceous surface; red slip on pinkish surface.
3. Fig. 7. Layer 4. Large wide bowl with externally short projected collared rim, a pair of grooves below rim, medium fabric with thin black core, coarse texture, medium fabric; red slip on rim and interior body.
4. Fig. 7. Trench AII/18, layer 3. Large bowl with

thick out-curved projected rim, plain surface, thick fabric with thin black core, coarse texture, gratified profile; red slip on pinkish surface.

6. Fig. 7. Trench AII/18, layer 4. Large serving bowl with short out-curved rim, slightly tapering walls, medium fabric with thin black core, coarse sandy texture, rough surface, pinkish slip on exterior body and interior is red.
7. Fig. 8. Layer 2. Large open-mouthed bowl with slightly incurved rim and thick tapering walls, irregular wavy pattern round body, medium fabric with thin black core, coarse surface, gratified profile; red slip on both sides.
31. Fig. 10. Layer 3. Large bowl with triangular projected collared rim, curvature side walls, pair of grooved bands below neck, medium fabric, coarse surface; red slip on buff surface.
32. Fig. 10. Trench and layer unknown. Large bowl with thick squarish projected rim, tapering body, thick fabric, coarse surface with mica; red slip on pinkish surface.
33. Fig. 10. Layer 5. Large bowl with beveled rounded rim, bulbous body, irregular wavy pattern below rim on exterior, thick fabric with black core, rough surface; red slip on buff surface.
34. Fig. 10. Layer 3. Large bowl with externally thick collared rim, tapering sides, medium fabric with thin black core, coarse surface with mica; red slip on buff surface.
36. Fig. 10. Layer 3. Large bowl with thick squarish collared rim, tapering walls, grooved bands round body, medium fabric, coarse surface with gritty inclusions; red slip on pinkish surface.
39. Fig. 11. Trench unknown, layer 4. Large wide mouthed bowl with thick rounded rim, tapering body, grooved lines on exterior rim, medium fabric, gratified coarse surface; red slip on pinkish surface.
41. Fig. 11. Trench unknown, layer 2. Large bowl with out-curved flat-topped rim, sloping walls, pair of grooved lines round inner rim, medium fabric with thin black core, rough surface; red slip on pinkish surface.
44. Fig. 11. Layer 2. Large bowl with highly projected collared rim, unfinished wavy band below rim, tapering sides, thick section with black core, sandy surface; red surface.

46. Fig. 11. Layer 3. Large bowl with thick rounded rim, outer rim is decorated with irregular wavy bands separated by a pair of horizontal lines, thick fabric, coarse surface; red slip on buff surface.
51. Fig. 12. Layer 3. Large bowl with flat-topped rounded rim, grooved line below rim followed by wavy band round shoulder and then a series of horizontal lines, thick fabric, coarse texture with gritty; red slip on pinkish surface.
55. Fig. 12. Trench and layer unknown. Large bowl with beveled rounded rim, tapering body, grooved bands round middle body, medium fabric, coarse surface; red slip on buff surface.
57. Fig. 12. Trench and layer unknown. Large bowl with projected collared rim, sloping sides, medium fabric, smooth texture; red slip on pinkish surface.
59. Fig. 12. Trench and layer unknown. Large bowl with projected collared rim, shallow round body, grooved line round shoulders, thin fabric, fine smooth texture; red slip on pinkish surface.
67. Fig. 13. Layer 4. Large bowl with slightly projected out-curved rim, plain surface, thin fabric, fine texture; red slip on pinkish surface.
68. Fig. 13. Layer 4. Large bowl with flat-topped out-curved rim, slightly carinated body marked by incised lines, grooved band round lower body, medium fabric, fine texture; red slip on buff surface.
96. Fig. 15. Layer 3. Large carinated bowl with flat-topped everted rim, medium fabric, smooth surface; red slip on pinkish surface.
113. Fig. 16. Layer 4. Large bowl with incurved projected collared rim, pair of grooved lines on inner side below rim, medium fabric, coarse surface; red slip on pinkish surface.
115. Fig. 16. Layer 4. Large bowl with incurved flat-topped rim, grooved lines round rim, medium fabric, fine texture; red slip on pinkish surface.
117. Fig. 17. Layer 4. Large basin (or bowl) with broad flat base and sloping side walls, medium fabric with thin black core, coarse surface; red slip on both sides.
119. Fig. 17. Layer 1. Flat base of a standard bowl with grooved bands round lower body, thin fabric, smooth surface; red slip on pinkish surface.
120. Fig. 17. Layer 3. Large basin (or bowl) with broad flat base, grooved lines round body at regular intervals, thick fabric with straight oblique walls, coarse texture; red slip on pinkish surface.
125. Fig. 17. Layer 4. Large size basin (or bowl) with broad flat base, thick sloping side walls with thick black core, coarse surface; pinkish colour on inner side and buff on outer.
127. Fig. 18. Layer 4. Large bowl with broad solid flat base, tapering side walls, medium fabric with thin black core, micaceous external surface; red slip on both sides.
139. Fig. 18. Layer 4. Large bowl with solid disc, thick fabric, smooth texture; red slip applied on both sides.
153. Fig. 19. Layer 2. Large bowl (or basin) with solid discoid base, tapering side walls with low ridge above base, medium fabric with thin black core, coarse surface; red slip on buff surface.
157. Fig. 19. Layer 5. Large bowl with solid discoid base, tapering side walls, medium fabric, coarse surface, burnt signs seen on outer base; red slip on buff surface.
178. Fig. 20. Trench and layer unknown. Large bowl (or basin) with solid flat base, upper body out-curved and expanded, thick fabric with coarse gratified texture; red slip on pinkish surface.

Medium and Small Bowls

40. Fig. 11. Trench unknown, layer 3. Small bowl with low collared rim, round body, grooved lines round exterior rim and shoulders, medium fabric, fine texture, burnt signs seen on exterior side; brown slip on buff surface.
45. Fig. 11. Layer 2. Small bowl with slightly incurved rim, semi-circular body, thick grooved bands round rim followed by a thin grooved line below rim, thin fabric, fine smoothed texture; red slip on pinkish surface.
52. Fig. 12. Trench AII/13, layer 3. Standard bowl with flat-topped splayed rounded rim, tapering body, grooved bands below rim, medium fabric, coarse sandy texture, grey surface with burnt signs seen on both sides; pinkish surface.
54. Fig. 12. Trench AII/13, layer 3. Medium bowl with flat-topped splayed rounded rim, tapering sides, grooved lines on inner rim, medium fabric, coarse texture with gratified profile, grey surface

- with burnt signs seen on both sides.
56. Fig. 12. Layer 2. Small bowl with flat-topped extended rim, globular body, grooved lines round rim and shoulders, thin fabric, fine smoothed texture; red slip on pinkish surface.
60. Fig. 13. Trench AII/18, layer 4. Medium bowl with externally projected collared rim, tapering body, pair of deep grooved bands below rim, medium fabric, fine texture; red slip on pinkish surface.
61. Fig. 13. Trench AII/13, layer 4. Large wide bowl with flat-topped out-curved rim, globular body, pair of deep grooved lines round shoulders, medium fabric, fine smoothed texture; red slip on pinkish surface.
63. Fig. 13. Trench AI/23. Medium bowl with slightly incurved sharp rim, curvature body, thick grooved line below rim, thin fabric, fine smoothed texture; red slip on pinkish surface.
64. Fig. 13. Trench AI/17, layer 5. Drinking bowl with straight vertical rim and side walls, lower body in round shape, pair of grooved bands round middle body, thin fabric, fine texture; red slip on pinkish surface.
65. Fig. 13. Layer 6. Drinking bowl with straight vertical rim and slightly carinated sides, double grooves below rim and round biconvex body, thin fabric, smoothed texture, red slip on pinkish surface.
66. Fig. 13. Trench AII/12, layer 2. Drinking bowl with straight vertical rim, upper body straight and lower in globular shape, pair of grooved bands round rim and projected shoulders, thin fabric, fine smoothed texture; red slip on pinkish surface.
69. Fig. 14. Layer 5. Fashion ware standard bowl with everted rim, upper body in concave shape, thin fabric, fine texture; red slip applied on both sides.
73. Fig. 14. Layer 2. Small fashion ware bowl with sharp straight rim, slightly projected at top, straight vertical walls, thin fabric, smoothed surface, red slip applied on pinkish surface.
74. Fig. 14. Trench AII/22, layer 5. Standard bowl with slightly out-curved oblique cut rim, upper body slightly concave and lower in globular shape, pair of horizontal grooved bands round body, thin fabric, fine texture; red slip on pinkish surface.
76. Fig. 14. Trench AII/13, layer 3. Standard fashion ware bowl with vertical sharp rim, pair of grooved lines round rim, thin fabric, smoothed texture; red slip on buff surface.
77. Fig. 14. Layer 2. Standard bowl with sharp incurved rim, tapering lower body, grooved lines round rim, thin fabric, medium texture, burnt signs seen on interior side; red slip on pinkish surface.
79. Fig. 14. Layer 2. Shallow bowl with splayed everted rim, externally carinated with incised lines, thin fabric, fine texture, smoothed surface; red slip on buff surface.
80. Fig. 14. Trench AII/18, layer 7. Medium carinated bowl with short oblique rim, globular body, grooved lines below rim and shoulders, thin fabric, smoothed surface; buff colour on both sides.
81. Fig. 14. Trench AI/17, layer 5. Small carinated bowl with short everted rim, thin fabric, fine smoothed surface; red slip on pinkish surface.
82. Fig. 14. Layer 4. Small bowl with short incurved rim and low carinated body, discoid base with string-cut impression, thin fabric, fine texture; red slip on pinkish surface.
83. Fig. 14. Layer 3. Wide bowl in small size with highly splayed everted rim, externally carinated shown by incised lines, grooved circles round shoulders, thin fabric, fine smoothed texture; red slip on both sides.
84. Fig. 14. Layer 3. Standard bowl with everted rim, low carination at lower body, thin fabric, fine texture, smoothed surface; red slip on pinkish surface.
85. Fig. 14. Trench AI/21, layer 2. Small bowl with extended flaring rim, carination is marked on both sides by sharp incised lines, thin fabric, smoothed texture, signs of utilization seen on interior surface; red slip on buff surface.
86. Fig. 14. Layer 4. Small bowl with splayed flaring rim, deep carination shown by incised lines on outer side, series of grooved lines round inner side, thin fabric, fine smoothed surface; grey ware.
90. Fig. 15. Layer 4. Small bowl in tulip shape with short flared rim, medium fabric, fine texture;

- brown slip on cream surface.
97. Fig. 15. Layer 4. Standard cordoned bowl with out-curved sharp oblique rim, carinated shoulders and bulging middle body, pair of grooved lines round body, thin fabric, fine smoothed surface; red slip on pinkish surface.
98. Fig. 15. Layer 5. Standard bowl with incurved oblique rim, turnip shape with tapering side walls below shoulders, thin fabric, smoothed surface with burnt signs on exterior side; red slip on buff surface.
99. Fig. 15. Trench AII/18, layer 3. Standard bowl with flat-topped splayed rim, series of grooved lines round outer body and pair of incised lines on interior rim, thin fabric, fine smoothed surface; red slip on pinkish surface.
112. Fig. 16. Layer 1. Standard bowl with flat-topped everted rim, grooved lines round rim on both side, thin fabric, fine smoothed texture; red slip on buff surface.
114. Fig. 16. Trench AI/17, layer 5. Small bowl with flat-topped extended rim, outer shoulders slightly carinated, medium fabric, fine texture; red slip on pinkish surface.
129. Fig. 18. Layer 4. Small bowl with low solid base and tapering walls, medium fabric, fine texture; red slip on both sides.
130. Fig. 18. Trench AII/18, layer 4. Small bowl with flat base, thin fabric, fine texture; red slip on pinkish surface.
131. Fig. 18. Layer 3. Standard bowl with low round disc, medium fabric, fine texture; red slip on pinkish surface.
133. Fig. 18. Layer 2. Small bowl with low flat base, wide sloping walls, grooved lines round body, thin fabric, fine texture; red slip applied on both sides.
134. Fig. 18. Layer 5. Low carinated standard bowl with solid flat base, thin fabric, fine smoothed surface; red slip on pinkish surface.
135. Fig. 18. Layer 3. Low wide bowl with flat base, a shallow grooved circle on exterior base, medium fabric, fine texture; red slip on pinkish surface.
136. Fig. 18. Layer 3. Standard bowl with solid flat base, medium fabric, fine texture; red slip on pinkish surface.
137. Fig. 18. Layer 5. Standard bowl in globular shape with low solid base, grooved lines round lower body, medium fabric, fine smoothed texture; red slip on pinkish surface.
138. Fig. 18. Trench AII/13, layer 5. Small bowl in hemispherical shape with flat base, a shallow grooved circle on exterior base, thin fabric, smoothed surface; red slip on pinkish surface.
141. Fig. 19. Layer 3. Small bowl with low discoid base, thin fabric, fine texture, red slip on pinkish surface.
142. Fig. 19. Layer 2. Small bowl with narrow flat base, grooved lines round lower body, thin fabric, fine surface; red slip on buff surface.
144. Fig. 19. Layer 2. Small globular bowl with thick discoid base, grooved lines round lower body, thin fabric, fine texture; red slip on buff surface.
145. Fig. 19. Trench AI/23, layer 5. Medium bowl with broad flat base, convex body, string impression seen on exterior body, medium fabric, rough surface; red slip on pinkish surface.
146. Fig. 19. Trench AII/13, layer 3. Shallow medium bowl with flat base, expanded body, grooved lines round lower body, medium fabric, fine surface, burnt signs seen on both sides; red slip on pinkish surface.
147. Fig. 19. Trench AII/18, layer 5. Standard bowl with solid flat base, incised circle on interior side, medium fabric, fine smoothed texture; red slip on pinkish surface.
148. Fig. 19. Trench AII/23, layer 2. Standard bowl with solid discoid base, string impression seen on exterior body, thin fabric, fine texture; red slip on pinkish surface.
149. Fig. 19. Layer 3. Wide open-mouthed bowl with low solid disc, thin fabric, fine texture; red slip on pinkish surface.
150. Fig. 19. Trench AII/13, layer 3. Small bowl with solid discoid base, string-cut impression seen on exterior base, thin fabric, smoothed texture, red slip on pinkish surface.
151. Fig. 19. Trench AII.17, layer 6. Standard bowl with small discoid base, medium fabric, fine surface; red slip on pinkish surface.
152. Fig. 19. Trench AII/18, layer 6. Medium bowl in cone shape with broad flat base, medium fabric, burnish exterior surface and red interior.

154. Fig. 19. Layer 3. Small globular bowl with low truncated solid base, medium fabric, fine texture; red slip on pinkish surface.
155. Fig. 19. Trench AII/18, layer 5. Small bowl with solid discoid base, medium fabric, round body, burnish surface; grey ware.
156. Fig. 19. Layer 2. Small globular bowl with low discoid base, medium fabric, smoothed surface; red slip on pinkish surface.
159. Fig. 19. Layer 2. Standard bowl with low discoid base, medium fabric, fine smoothed texture; red slip on pinkish surface.
160. Fig. 19. Layer 5. Standard bowl in cone shape with thick flat base, grooved line round lower body, medium fabric, smoothed surface; red slip on buff surface.
161. Fig. 19. Layer 4. Small bowl with thick flat base, cone-shaped body, medium fabric, fine surface; red exterior and buff interior.
173. Fig. 20. Layer 2. Miniature bowl with slightly incurved sharp rim, discoid base, tapering side walls of lower body, thin fabric, fine texture; red slip applied on both sides.
175. Fig. 20. Layer 6. Small drinking bowl with incurved sharp rim and thick discoidal base, hemispherical body, string-cut impressions seen on exterior side, medium fabric, smoothed texture; red slip on pinkish surface.
176. Fig. 20. Trench AII/17, layer 5. Standard bowl with incurved sharp rim, hemispherical body, thin fabric, fine smoothed texture; red slip on pinkish surface.

Cups and Pedestalled Cups

92. Fig. 15. Layer 3. Small cup with slightly oblique rim, grooved lines round shoulders, thin fabric, fine texture; red slip on pinkish surface.
105. Fig. 16. Layer 3. Low-pedestalled cup with splayed everted rim, shallow body, top of the rim is painted with hatched triangles, well fired, thin fabric, fine smoothed texture; red slip on pinkish surface.
116. Fig. 17. Layer 2. Pedestalled cup with domical hollowed base, grooved lines round body, medium fabric, fine smoothed surface; red slip on pinkish surface.
118. Fig. 17. Layer 2. Pedestalled cup with stepped hollowed base, medium fabric, fine texture, burnt signs seen on outer base; red slip applied on exterior surface and buff on interior.
121. Fig. 17. Layer 4. Low-pedestalled cup with deep hollowed base, thin fabric, fine texture; red on pinkish surface.
122. Fig. 17. Layer 4. Pedestalled cup with low hollowed base, thin fabric, fine texture; red slip on pinkish surface.
123. Fig. 17. Layer 4. Pedestalled cup with domical hollowed base, medium fabric, fine texture; red slip on pinkish surface.
124. Fig. 17. Layer 4. Small pedestalled cup with low hollowed base, thin fabric, fine smoothed surface; red slip on pinkish surface.
126. Fig. 18. Layer 5. Low-pedestalled cup with solid disc, medium fabric, coarse surface; red slip applied on exterior surface.
128. Fig. 18. Layer 2. Small pedestalled cup with low hollow base, medium fabric, fine texture, burnt signs seen on both sides; red slip on pinkish surface.
140. Fig. 19. Layer 5. Low-pedestalled cup with hollow base, thin fabric, fine texture with smoothed surface; red slip on pinkish surface.

Storage Vessels

1. Fig. 7. Layer 4. Storage pot with rounded rim and curved neck, thick fabric with thin black core, coarse texture, even surface; red slip on red surface.
5. Fig. 7. Trench AII/18, layer 4. Storage vessel with wide mouth and out-curved rim, truncated ridged line below rim followed by a grooved band, thick fabric, coarse texture; buff surface on both sides.
10. Fig. 8. Layer 2. Storage vessel with rectangular rim, grooved lines on rim, tapering neck and expanded shoulders, thick fabric, coarse texture; pinkish interior and red slip applied on exterior rim.
11. Fig. 8. Layer 5. Standard storage vessel with low collared rim, tall vertical neck, grooved line below neck, medium fabric, coarse texture; red slip on pinkish surface.
15. Fig. 8. Trench AII/18, layer 5. Storage vessel

- with thick everted rim, parallel grooved lines round wide shoulders, thin fabric with gritty and mica, coarse texture; pinkish slip on exterior and interior.
18. Fig. 9. Trench AI/17, layer 5. Large storage vessel with slightly out-curved beaded rim and expanded shoulders, deep grooved lines round shoulders, medium fabric, coarse texture with mica; red slip on pinkish surface.
 19. Fig. 9. Layer 3. Medium storage vessel with short everted rim, horizontal band round neck, expanded shoulders, fine fabric, medium texture; red slip on pinkish surface.
 20. Fig. 9. Trench AII/18, layer 4. Storage vessel with out-curved rim, short concave neck and expanded shoulders, medium fabric and texture, gratified profile; red slip on pinkish surface.
 22. Fig. 9. Trench AII/18, layer 3. Storage vessel with slightly out-curved everted beaded rim, exterior side is marked by deep grooved lines, thick fabric, coarse surface; pinkish slip on pink surface.
 24. Fig. 9. Layer 4. Small storage vessel with straight oblique rim, expanded shoulders, exterior rim is executed by deep grooved lines, medium fabric with gritty and mica; red slip on pinkish surface.
 26. Fig. 9. Layer 4. Storage vessel with flat-projected rectangular rim, expanded body, medium fabric, fine texture; red slip on pinkish exterior.
 29. Fig. 9. Trench AII/18, layer 4. Storage vessel with out-curved rounded rim, grooved lines round shoulders, medium fabric with thin black core, fine texture with burnished treatment; red slip on exterior surface.
 30. Fig. 9. Trench AII/18, layer 4. Storage vessel with straight oblique rim, grooved circles round external rim and upper shoulders, incised wavy lines shown on interior neck, burnt signs seen on rim, medium fabric with thin black core, coarse texture; red exterior and pinkish interior.
 35. Fig. 10. Layer 2. Storage vessel with externally projected rim, low neck, thick fabric with thin black core, coarse texture; pinkish surface.
 37. Fig. 10. Layer 2. Storage vessel with flat-topped projected rim, curved neck, grooved line below neck, thick fabric with thin black core, coarse surface, gratified profile; pinkish surface.
 43. Fig. 11. Trench and layer unknown. Storage vessel with thick rounded rim, broad concave neck, thick fabric with black core, coarse texture; red slip on buff surface.
 47. Fig. 11. Trench AII/18, layer 4. Standard storage vessel with slightly out-curved rim, expanded body, grooved lines round rim and shoulders, medium fabric, fine smoothed surface; red slip on pinkish surface.
 48. Fig. 11. Layer 3. Medium storage vessel with beaded rim, expanded shoulders, thick fabric with gratified profile; buff colour on both sides.
 49. Fig. 12. Layer 2. Large storage vessel with thick rounded rim, low straight neck, plain body, thick fabric, coarse surface; red slip on pinkish surface.
 62. Fig. 13. Layer 5. Globular storage vessel with low projected collared rim, medium section with thin black core, coarse surface, signs of utilization seen on exterior surface; red slip on buff surface.
 70. Fig. 14. Layer 3. Large storage vessel with obliquely out-turned rim, short neck with expanded shoulders, medium fabric with thick black core, fine texture; interior side in buff colour and exterior in red.
 75. Fig. 14. Layer 5. Small globular vessel with short oblique rim, expanded shoulders, thin fabric, fine texture, smoothed surface; red slip applied on buff surface.
 89. Fig. 15. Trench AII/13, layer 4. Small vessel with externally out-curved oblique rim, globular body, pair of horizontal grooved lines below rim and on shoulder, thin fabric, smoothed texture, burnt signs seen on interior rim; dark red slip on cream surface.
 95. Fig. 15. Layer 3. Small storage vessel with chamfered rim, expanded shoulders, plain body, medium fabric, fine smoothed texture; red slip on pinkish surface.
 104. Fig. 16. Layer 3. Storage vessel with projected collared rim, bulbous body, coarse sandy surface, medium fabric, red slip on pinkish surface.
 111. Fig. 16. Trench AII/18, layer 4. Small vessel with out-curved zigzag rim, grooved lines round rim on both sides, thin fabric, fine texture; red slip on pinkish surface.
 164. Fig. 20. Layer 2. Medium storage vessel with

out-curved rounded rim, medium fabric, fine surface, burnt signs seen on exterior rim; red slip on pinkish surface.

165. Fig. 20. Layer 3. Bodysherd of storage vessel decorated with rope pattern, medium fabric with thin black core, coarse surface; red slip on pinkish surface.

166. Fig. 20. Layer 2. Storage vessel with short obliquely rounded rim, short neck with expanded shoulders, grooved bands round shoulders, medium fabric, fine smoothed surface; red slip on both sides.

Water Pitchers

13. Fig. 8. Layer 1. Water vessel with straight extended out-curved rim, well-fired, medium fabric, fine texture, smoothed surface; red slip on pinkish surface.

16. Fig. 8. Layer 6. Water pitcher with thin chamfered rim, medium fabric, coarse texture, burnt signs seen on exterior side; red exterior and pinkish interior.

17. Fig. 9. Layer 4. Small water pitcher with expanded ledge rim, narrow concave neck, medium fabric, fine smoothed texture; red slip on both sides.

21. Fig. 9. Trench AII/18, layer 4. Medium size pitcher with thick rounded rim, medium fabric, rough texture; pinkish slip on exterior and interior sides.

25. Fig. 9. Layer 2. Small pitcher with low flat-topped projected rim and tall neck, medium fabric, fine texture; red slip on pinkish surface.

27. Fig. 9. Layer 4. Small water pitcher with highly projected collared rim, tall neck with expanded shoulders, thin fabric, fine texture; red slip on both sides.

28. Fig. 9. Layer 4. Standard water pitcher with out-curved splayed rim and concave neck, expanded body, shoulders decorated with a pair of horizontal bands followed by an irregular wavy pattern, medium fabric, smoothed texture; red slip on pinkish surface.

38. Fig. 11. Trench AI/17, layer unknown. Small pitcher with flat-topped everted rim, short ridged line below rim, grooved bands round neck, medium fabric, fine smoothed texture; red slip applied on pinkish surface of both sides.

42. Fig. 11. Layer 2. Small pitcher with stepped flaring rim, narrow neck and expanded body, thick ridged line below neck, thin fabric, coarse texture with black core, gritty with mica; red slip on pinkish surface.

50. Fig. 12. Layer 2. Medium water pitcher with everted beaded rim marked by deeply grooved bands on exterior, medium fabric, fine texture; red slip on pinkish surface.

53. Fig. 12. Trench and layer unknown. Water pitcher with out-curved rounded rim, low ridged line below rim, medium fabric, coarse surface; outer body in buff colour and inner in red.

72. Fig. 14. Trench AII/18, layer 7. Standard pitcher with stepped flaring rim, narrow neck, deep grooved lines below rim, medium fabric, coarse surface; red slip on pinkish surface.

78. Fig. 14. Trench AII/18, layer 4. Small pitcher with stepped flaring rim, expanded body, grooved lines below neck followed by a saw-tooth pattern, medium fabric, coarse surface; red slip on buff surface.

93. Fig. 15. Layer 3. Water pitcher with thick rounded rim, short neck with expanded shoulder, medium fabric, fine texture; red slip on buff surface.

100. Fig. 15. Layer 2. Water pitcher with out-curved beaded rim, grooved lines below rim, medium fabric, coarse texture, gratified profile with mica; buff surface.

108. Fig. 16. Trench AI/17, layer 6. Fragment of water flask with semi-circular lug alongside body, medium fabric, coarse texture; red slip on buff surface.

163. Fig. 20. Layer 5. Standard pitcher with out-turned beveled rim, vertical neck with expanded body, medium fabric, fine texture; red slip on buff surface.

167. Fig. 20. 13/4. Layer 3. Water pitcher with out-curved rounded rim, potter mark like a Roman letter W inscribed on interior side, medium fabric, signs of utilization seen on external rim; red slip on both sides.

Jugs and Jars

58. Fig. 12. Layer 3. Large jar with flat-topped projected rim, bulging round body, a grooved line below rim, medium fabric, rough texture; red slip

on pinkish surface.

71. Fig. 14. Layer 3. Small jar with short stepped everted rim, grooved lines round rim, thin fabric, fine texture, smoothed surface, interior side bears black burnt signs; red slip on exterior surface.
94. Fig. 15. Trench AII/13, layer 2. Small jar with everted grooved rim and expanded shoulder with pair of lines round shoulders, medium fabric, fine texture; red slip on pinkish surface.
158. Fig. 19. Layer 3. Standard vase (or jar) with solid flat base, tapering curved side walls, medium fabric, micaceous surface; red slip on buff surface.
162. Fig. 20. Layer 5. Medium jar with out-curved beaded rim, a deep grooved line round rim, medium fabric, coarse sandy texture; red slip applied on rim while lower body is pinkish.
168. Fig. 20. Trench AI/17, Layer 5. Small jar with flaring rim, narrow neck and expanded body, thin fabric, fine smoothed surface; red slip on pinkish surface.
169. Fig. 20. Layer 3. Tiny pot (jar) with out-turned oblique rim, narrow biconcave neck, medium fabric, fine texture; red slip on pinkish surface.
170. Fig. 20. Layer 4. Small jar with out-curved short collared rim, thin fabric, fine texture; red slip on pinkish surface.
171. Fig. 20. Layer 3. Medium jar with out-curved rounded rim, tall narrow neck, medium fabric, coarse texture; red slip on pinkish surface.
174. Fig. 20. Trench AI/22, layer 6. Small jar with out-curved extended rim, tapering body, medium fabric, fine smoothed texture; red slip on pinkish surface.
177. Fig. 20. Layer 3. Medium jar with projected collared rim, grooved lines round rim, thick fabric, coarse surface; buff colour on both sides.

Cooking Pots

8. Fig. 8. Layer 2. Cooking pot with straight oblique rim, short concave neck with expanded shoulders, well fired, medium fabric, coarse texture, signs of utilization seen on exterior rim; red slip on buff surface.
12. Fig. 8. Trench AII/13, layer 5. Large cooking pot with straight oblique rim, expanded shoulders with horizontal lines round body, well fired,

medium fabric with thin black core, rough texture; red slip on pinkish surface.

14. Fig. 8. Layer 4. Large cooking pot with out-curved thin rim, short narrow neck with expanded shoulders, parallel grooved lines round body, well fired, medium fabric with thin black core, gratified profile with mica, coarse texture; pinkish surface.
23. Fig. 9. Trench AII/18, layer 4. Large cooking pot with straight oblique rim and narrow neck, plain surface, sharply expanded body, medium fabric, fine texture; red slip on pinkish surface.

Miscellaneous Pots

101. Fig. 16. Trench AII/12, layer 2. Broken handle of pot (jug), curved shape with thick oblong section, fine smoothed surface; red slip on pinkish surface.
102. Fig. 16. Layer 5. Broken handle of pot (jug), curved shape with thick oblong section, fine smoothed surface; red slip on pink surface.
103. Fig. 16. Trench AI/7, layer 5. Broken handle of jug, curved shape with thick rectangular section, coarse surface; red slip on pinkish surface.
106. Fig. 16. Trench AII/12, layer 2. Broken handle of pot (jug), curved shape with medium round section, fine smoothed surface; red slip on pinkish surface.
107. Fig. 16. Layer 3. Pointed knob of a vessel, thin fabric, coarse surface; red slip on both sides.
109. Fig. 16. Trench AII/18, layer 5. Small lid with flat base and vertical knob in the centre, base finished with string-cut impressions, signs of utilization seen on both sides, medium fabric; buff colour.
143. Fig. 19. Layer 2. Tall offering stand with straight hollowed stem, base decorated with cable moulds, medium fabric, fine surface; red slip on pinkish surface.
172. Fig. 20. Layer 2. Water flask with thick clubbed rim, narrow neck and expanded body, thick fabric; buff surface.



Figure 1. Google Earth Map 2022, Large circle representing original area of the site and small circle present size of the Mound, and rectangular box showing trenches excavated in three seasons

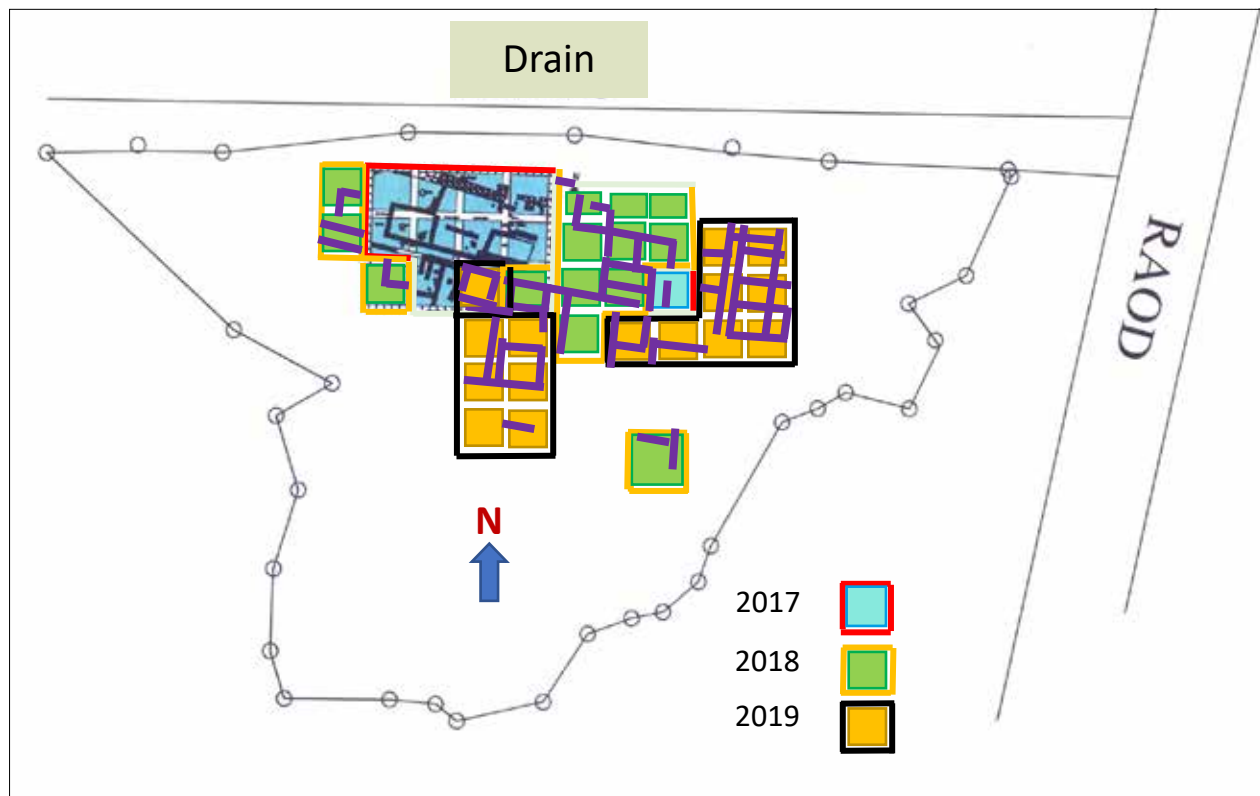


Figure 2. Layout of site and excavated area; 2019 field is marked by orange colour within black contour



Plate 1a. Pre-Excavation Plan: Layout of initial four trenches



Plate 1b. Excavation: Beginning of digging for the third season (2019)



Plate 2a. Excavation: Removal of humus layer at upper strata, AI/22 & AI/23



Plate 2b. Excavation: Stone structures and other features exposed in two trenches, AI/17 & AI/22



Plate 3a. Excavation: A view of compartments with a large broken pot and furnace exposed in AI/23



Plate 3b. Excavation: Upper level stone structures exposed in AI/17, view from east side



Plate 4a. Excavation: Furnaces, structures and other features exposed at upper strata in AI/17, AI/22 & AI/23



Plate 4b. Excavation: Furnaces, structures and sherds of broken pots exposed at upper strata, AI/17



Plate 5a. Excavation: Broken sherds of some pots lying scattered on floor level, AI/17



Plate 5b. Excavation: Stone walls and traces of mud structures exposed at A/17, AI/22 & AI/23



Plate 6a. Excavation: Superimposed stone structures exposed in AI/17



Plate 6b. Excavation: Side view of superimposed stone structures unearthed in AI/17



Plate 7a. Excavation: View of upper and underneath stone structures found in AI/17



Plate 7b. Excavation: Close-up view of a underneath small square room with broken pot on floor level, AI/17



Plate 8a. Excavation: Superimposed stone structures of two periods and furnaces of upper strata, view from west side (AI/17)



Plate 8b. Excavation: Superimposed stone structures of three periods; furnaces at upper strata and crucible at lower strata, view from west side (AI/17)



Plate 9a. Excavation: Superimposed stone structures of three periods; furnaces at upper strata, view from east side (AI/17)



Plate 9b. Excavation: Superimposed stone structures of three periods; furnaces at upper strata and crucible at lower strata, close-up view from east side (AI/17)



Plate 10a. Excavation: View of deep digging; furnace, ashes' pit and crucible exposed in AI/17



Plate 10b. Excavation: Close-up view of a crucible and ashes' pit found in AI/17



Plate 11a-b. Excavation: Close-up view of Greek period crucible, before and after clearing up (AI/17)



Plate 11c. Excavation: View of structures exposed in AI/, AI/22 & AI/23



Plate 12a. Excavation: Close-up view of twin furnaces exposed in AI/23



Plate 12b. Excavation: View of a crucible found in AI/25



Plate 12c-d. Excavation: Close-up view of a furnace and a crucible uncovered in AI/23



Plate 13a. Excavation: Clos-up view of a furnaces and a crucible enclosed within stones in AI/23



Plate 13b. Excavation: Mudbrick structures and other features uncovered in AI/25 & AII/21, view from west side



Plate 14a. Excavation: Greek period crucible, ashes' pit and oven found in AI/25 & AII/21, view from west side



Plate 14b. Excavation: Triangular oven and circular ashes' pit after clear up, AII/21



Plate 14c. Excavation: Close-up view of a semi-circular furnace, AII/21



Plate 15a. Excavation: Close-up view of U-shaped oven with charcoal and ashes, AII/21



Plate 15b. Excavation: Fragile iron ladle lying upside down in situ, AII/21



Plate 15c. Excavation: View of Greek period large crucible before clearance (AI/25)



Plate 15d. Excavation: Close-up view of a Greek period crucible after clearance (AI/25)



Plate 16a. Excavation: View of a massive wall made of mudbricks and mud-lumps (AII/12 & AII/17)



Plate 16b. Excavation: Deep digging at workshop area exposed in AII/12-13 & AII/17-18, view from west side



Plate 17a. Excavation: Deep digging at workshop compartment in AII/13 & AII/18, view from west side



Plate 17b. Excavation: A central workshop in compound area, details of furnaces, crucibles and stone anvils are visible, view from east side



Plate 18a. Excavation: Deep digging at side chamber of main workshop area, furnaces and stone anvils are visible, view from north side (AII/23)



Plate 18b. Excavation: Eastern wall of side chamber in main workshop made of stones blocks and mudbricks, view from west side (AII/23)



Plate 19a. Excavation: Stone walls of two occupational phases, east-west orientation, view from north side



Plate 19b. Excavation: Stone walls of two occupational phases as Pl. 19a, view from south side



Plate 19c. Excavation: General view of a complete block of workshops with number of smith chambers, view from south side (Trenches AII/12-13, AII/17-18 & AII/22-23)



Plate 20a. Excavation: Excavation: General view of a complete block of workshops with number of smith chambers, view from north side (Trenches AII/12-13, AII/17-18 & AII/22-23)



Plate 20b. Excavation: A cooking pot unearthed at kitchen area (AII/12)



Plate 20c. Excavation: A large bowl with open mouth (quenching pot) found at upper strata in AII/13



Plate 21a. Excavation: Kitchen with earthen wares found outside the massive wall of mudbricks (AII/12)



Plate 21b. Excavation: Close-up view of a kitchen floor consisting of grinding stones and earthen wares (AII/12)



Plate 22a. Excavation: Workshop chamber showing large furnace in the east side and crucible in the west (AII/13), view from south side



Plate 22b. Excavation: Small postholes were made in two rows for a temporary wooden shade or partition for a side smith chamber (AII/12 & AII/13)



Plate 23a. Excavation: General view of a compound of workshops with number of smith chambers, view from west side (Trenches AII/12-13 & AII/17-18)



Plate 23b. Excavation: General view of a workshops' compound with central and side smith chambers bounded by a massive wall on west side, view from west side (Trenches AII/17-18 & AII/22-23)



Plate 24a. Excavation: Close-up view of a central chamber with side room of main workshop showing stone anvil, furnace and crucible (AII/17 & AII/18), view from west side



Plate 24b. Excavation: Close-up view of a central chamber with side room of main workshop showing stone anvils, composite furnaces and crucibles (AII/17 & AII/18), view from east side



Plate 25a. Winding up excavation: Aerial view of a main block of workshop with number of smith chambers and side rooms, view from south elevation



Plate 25b. Winding up excavation: Aerial view of a main block of workshop with number of smith chambers, view from north side



Plate 26a. Winding up excavation: Close-up aerial view of a compound workshop with number of smith chambers, view from north side



Plate 26b. Winding up excavation: Close-up aerial view of a main block of workshop with number of smith chambers, view from north side



Plate 27a. Winding up excavation: Platform for small ovens exposed in AII/18, view from east side



Plate 27b. Winding up excavation: Platform showing a series of small ovens in AII/18, view from east side



Plate 28a. Excavation: Large mud-blocks visible inside the massive lumps wall



Plate 28b. Excavation: Close-up view of large square mud-block visible in a lumps wall



Plate 28c. Excavation: Close-up view of a large rectangular oven of compact clay (AII/13)



Plate 28d. Excavation: Crucible toughened with pebbles and connected heating chamber



Plate 28e. Excavation: Crucible is connected with underneath heating chamber (AII/13)



Plate 28f. Excavation: Close-up view of an underneath heating chamber (AII/13)



Plate 29a. Excavation: View of eastern section after deep digging in AII/18, photo taken from west side



Plate 29b. Excavation: Close-up view of a stone wall made in rubble masonry, AII/17



Plate 30a. Excavation: Close-up view of a mud-bricks wall, AII/21



Plate 30b. Excavation: Base of a crucible strengthened with terracotta bits, AII/23



Plate 30c. Excavation: Outer structure of a crucible supported by thick potsherds, AII/23



Plate 31a. Excavation: Cut section of a crucible supported by terracotta bits and potsherds (AII/23)



Plate 31b. Excavation: Potsherds collected from the base of a crucible (AII/23)



Plate 31c. Excavation: Outer section of a furnace made of terracotta bits (AI/23)



Plate 31d. Excavation: Profile view of a furnace made of terracotta bits (AI/23)



Plate 32a. Excavation: Close-up view of the top of furnace made of terracotta bits (AI/23)



Plate 32b. Excavation: Close-up view of circular furnace made of terracotta bits (AI/17)



Plate 32c. Excavation: Close-up view of a furnace, a stone anvil and pestle exposed in central chamber of the main workshop, AII/17 & AII/18



Plate 33a. Excavation: Crucible dumped with earth and a grinding stone, main workshop, AII/18



Plate 33b. Excavation: Cleaning of a crucible and a grinding stone lies nearby it, AII/18



Plate 33c. Excavation: Square oven with compact side walls, main workshop, AII/18



Plate 33d. Excavation: Circular crucible hardened with terracotta bits, main workshop, AII/18



Plate 34a. Excavation: Twin furnaces and circular crucibles lying at main chamber of workshop, AII/17



Plate 34b. Excavation: Outer base of a furnace supported by a large open-mouthed plate, (AI/17)



Plate 34c. Excavation: Thick circular furnace made of terracotta bits and sherds, AI/23



Plate 35a. Beginning excavation: Aerial view from north side



Plate 35b. Excavation in progress: Aerial view of exposed trenches from north side



Plate 36a. Excavation in further progress: Aerial view of exposed trenches from north side



Plate 36b. Winding up Excavations: Aerial view of deep digging trenches from north side



Plate 37a. Excavation: A group of BS students of Archaeology (UoP) participating in the field work



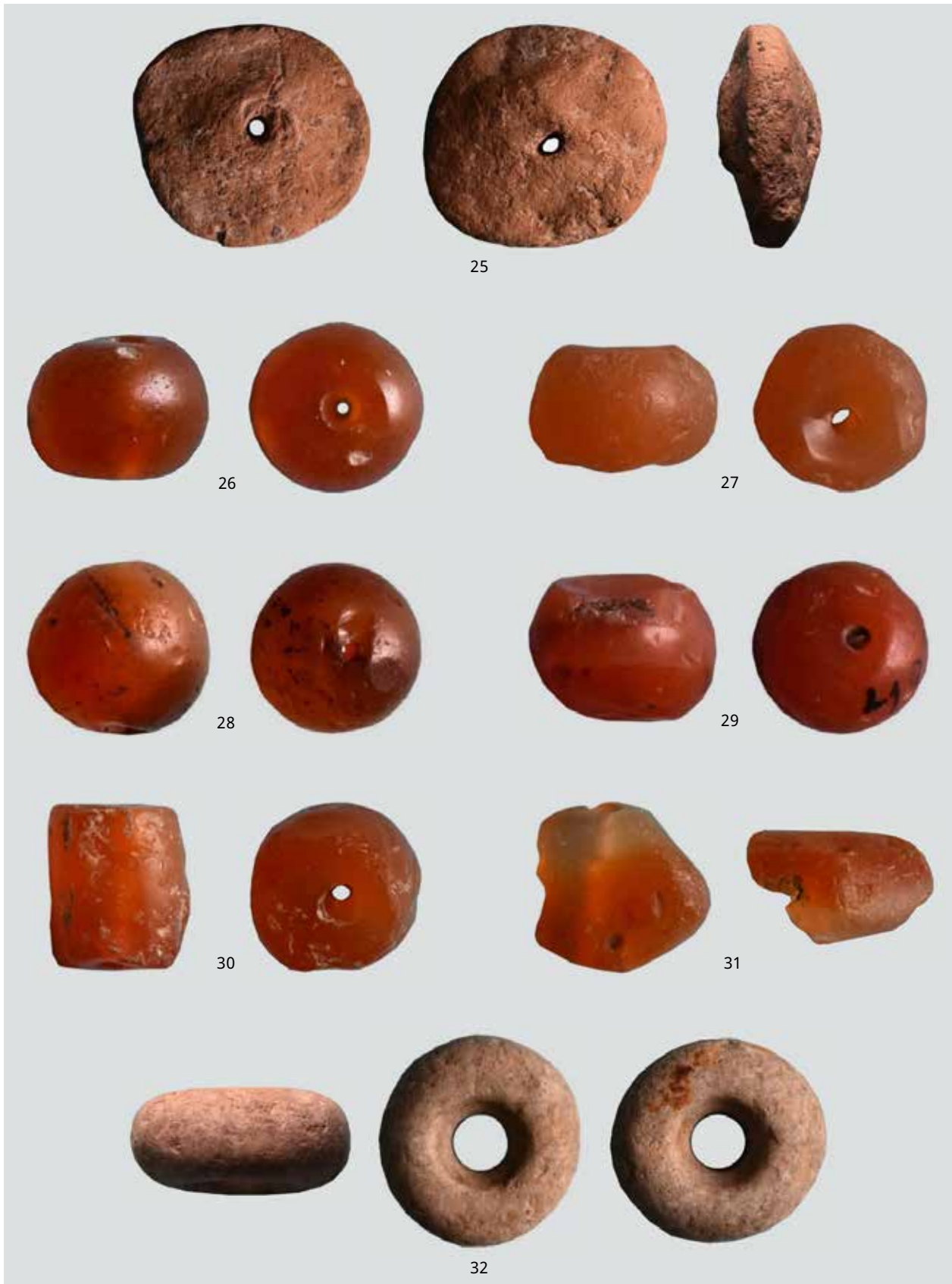
Plate 37b. Winding up Excavation: Media demonstration at the final stages of field work in 2019

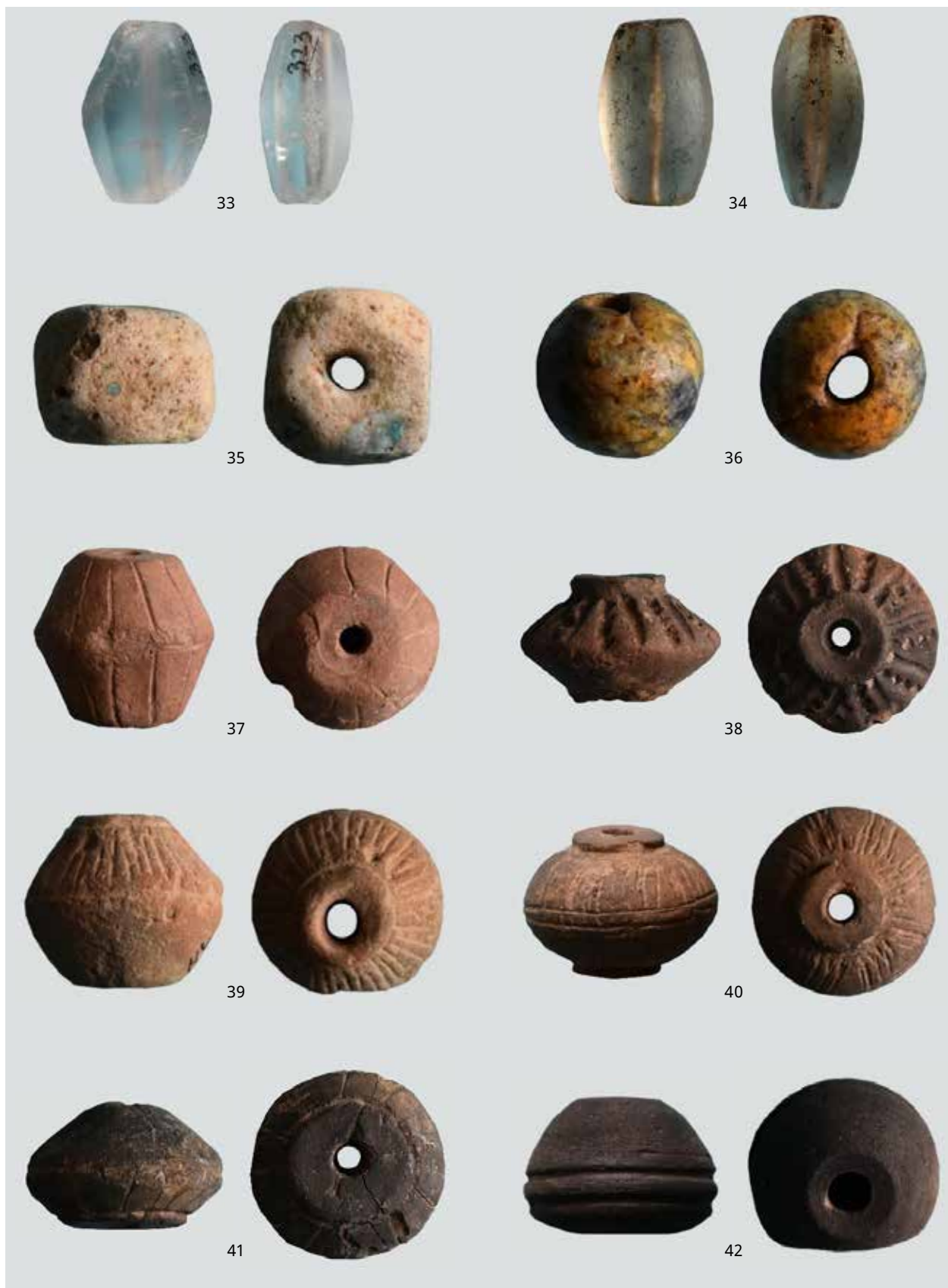


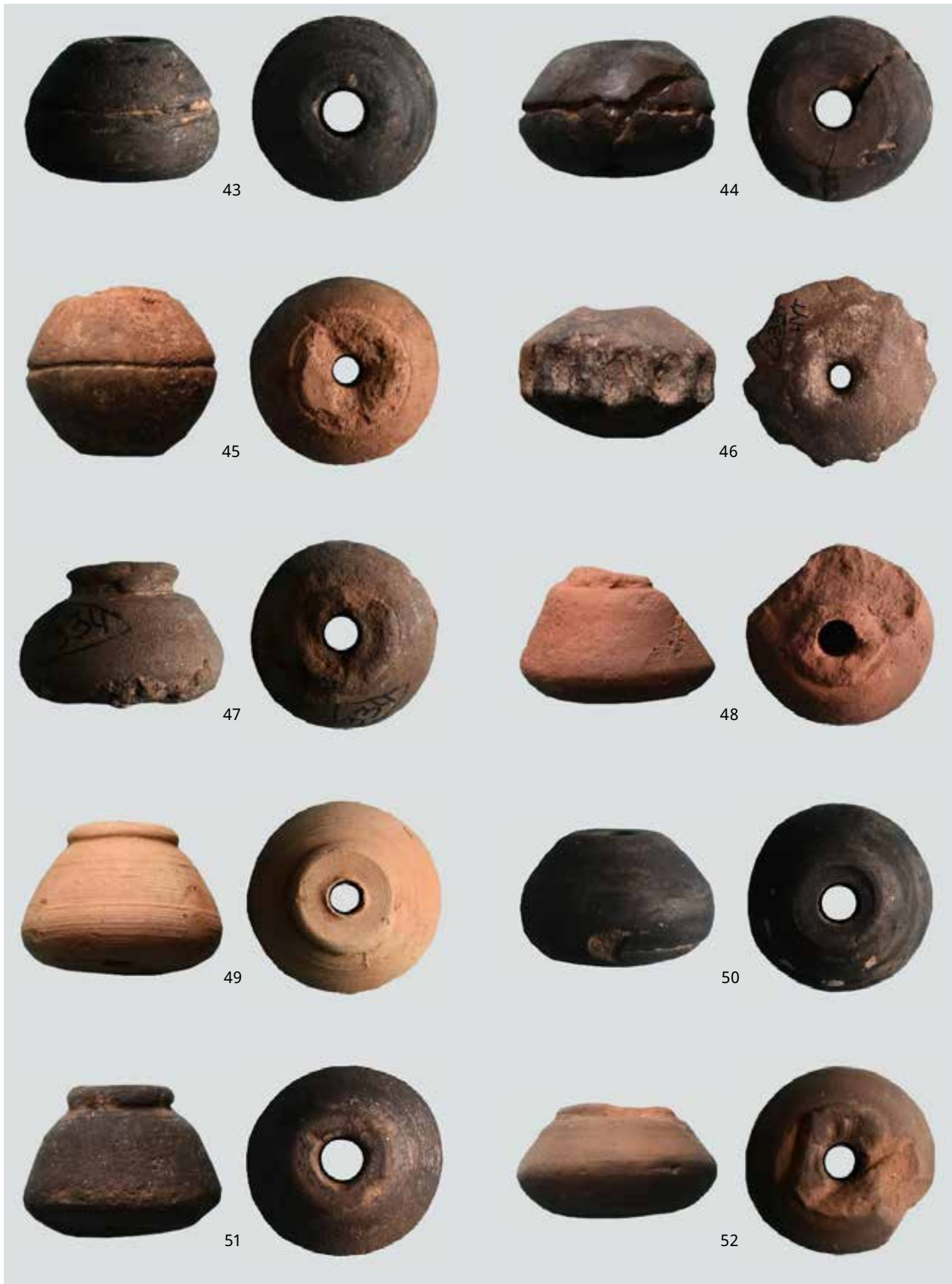


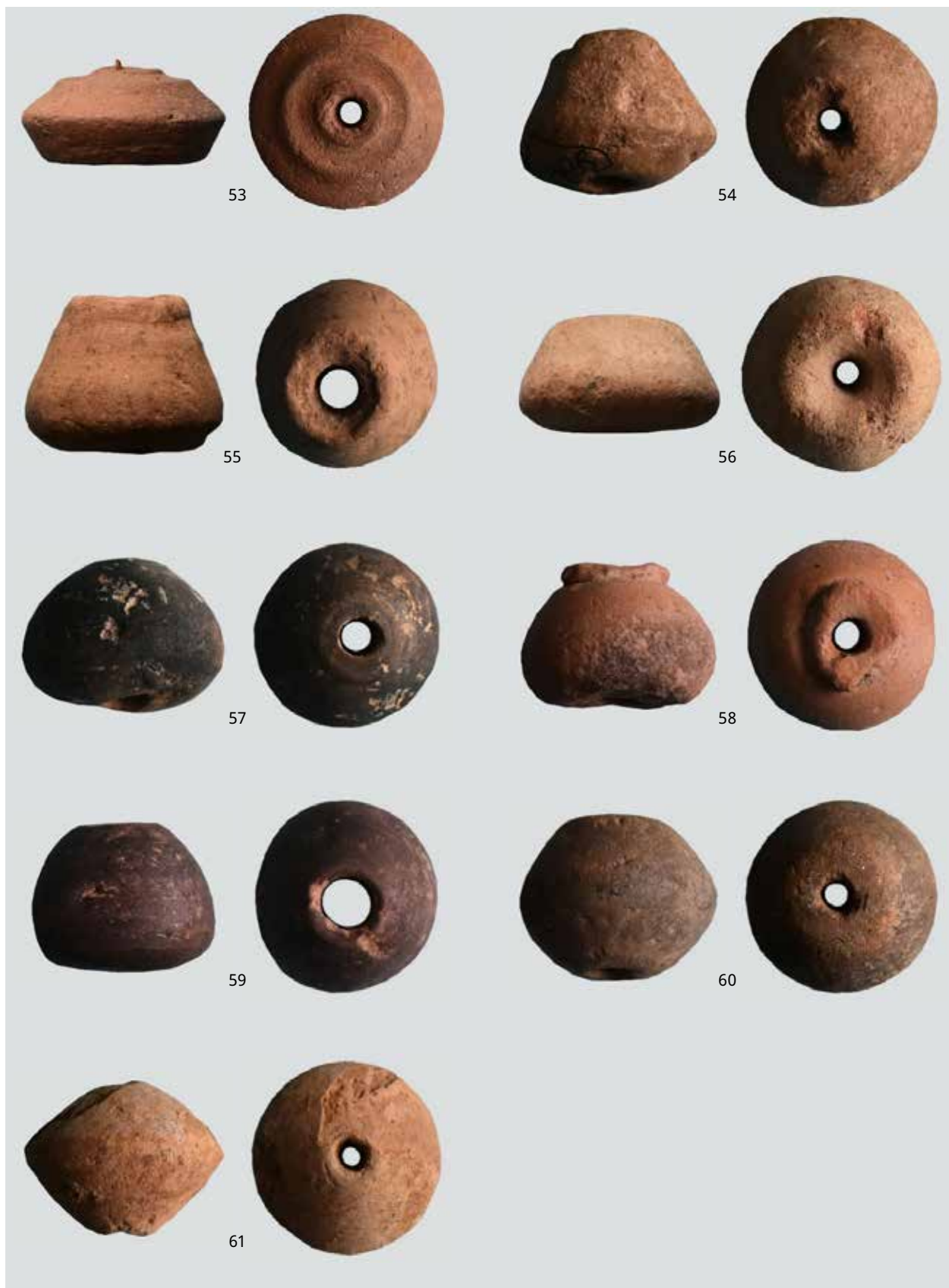




















77



78



79



80



81



82



83



84



85



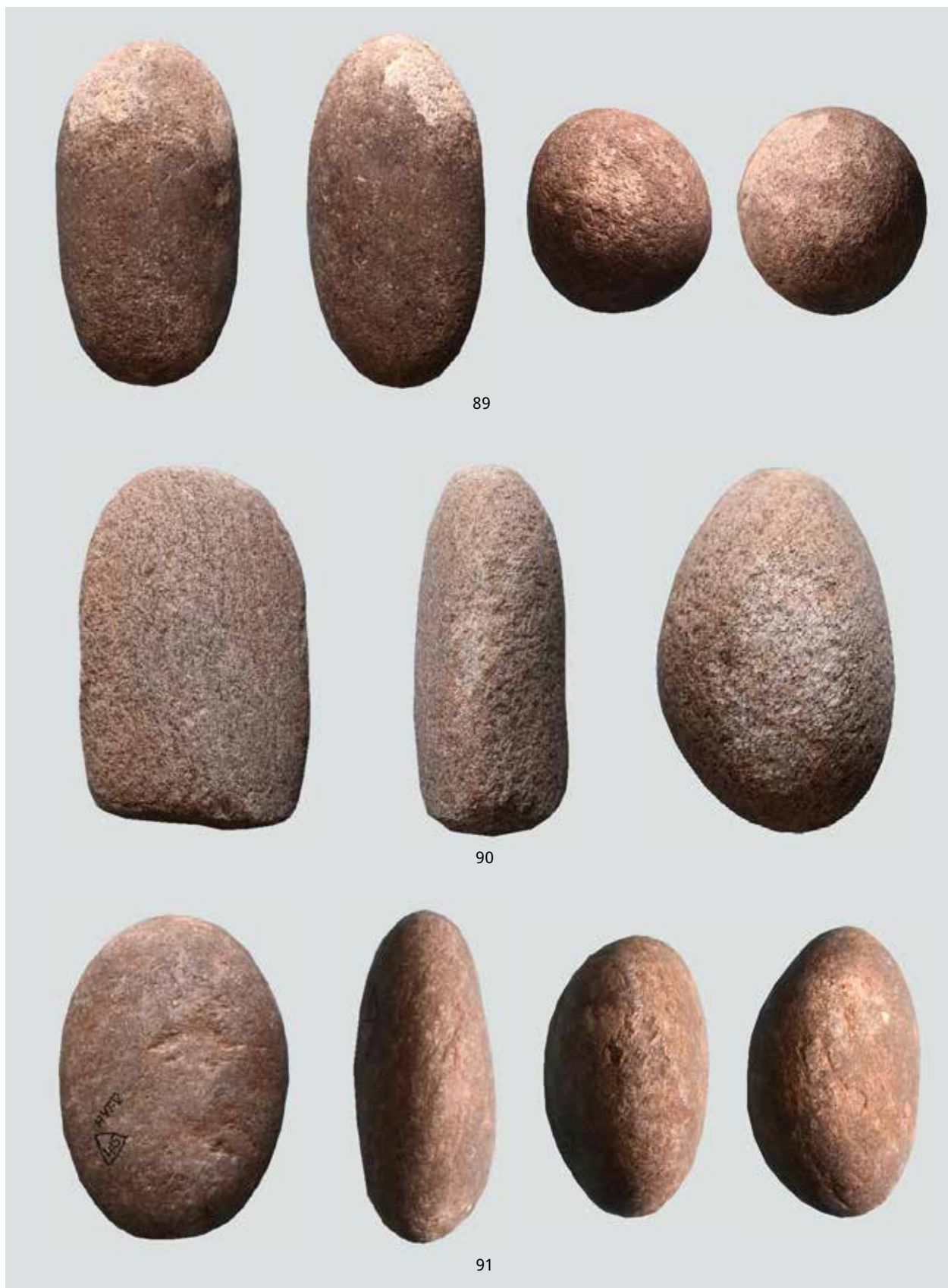
86

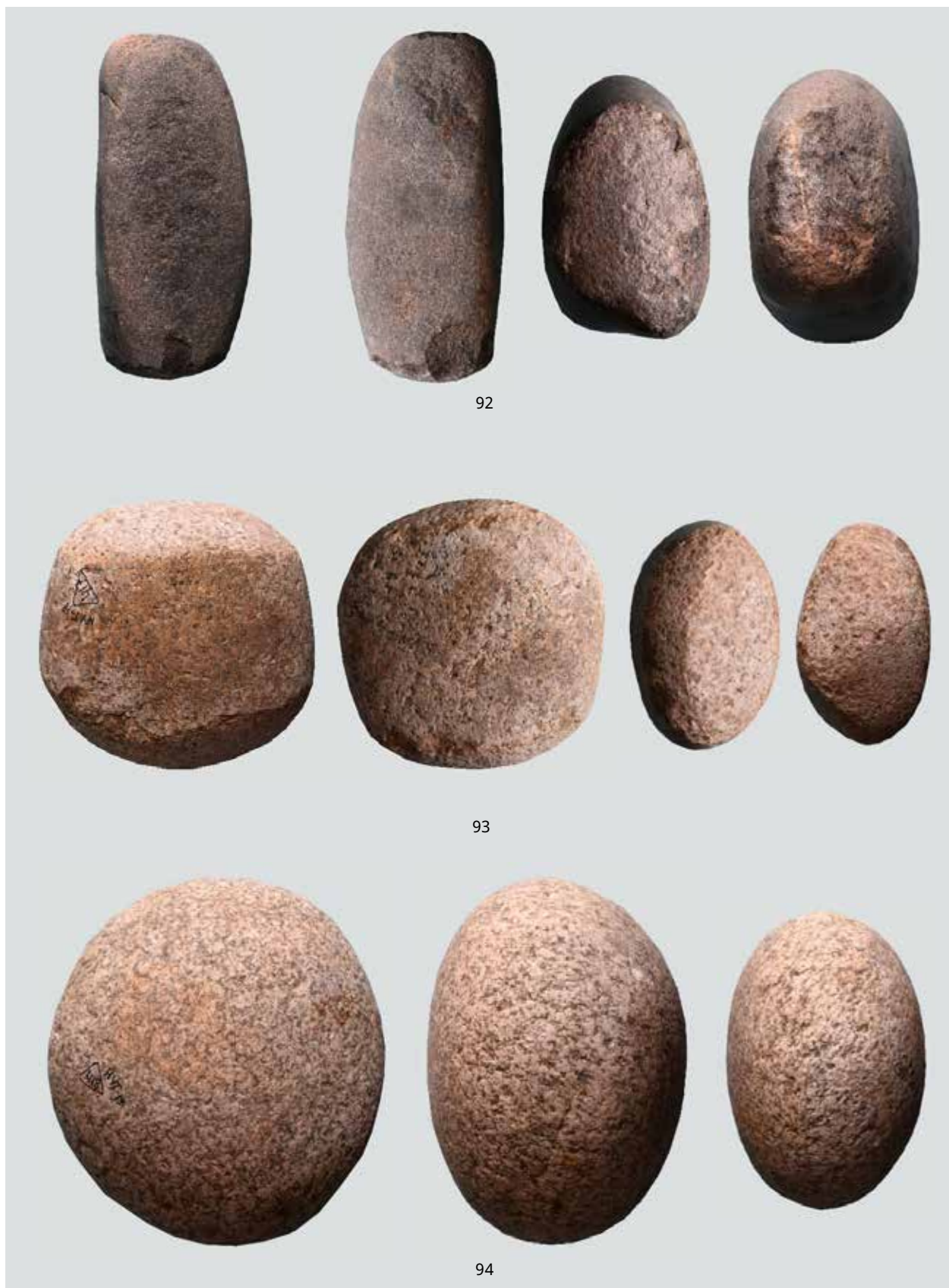


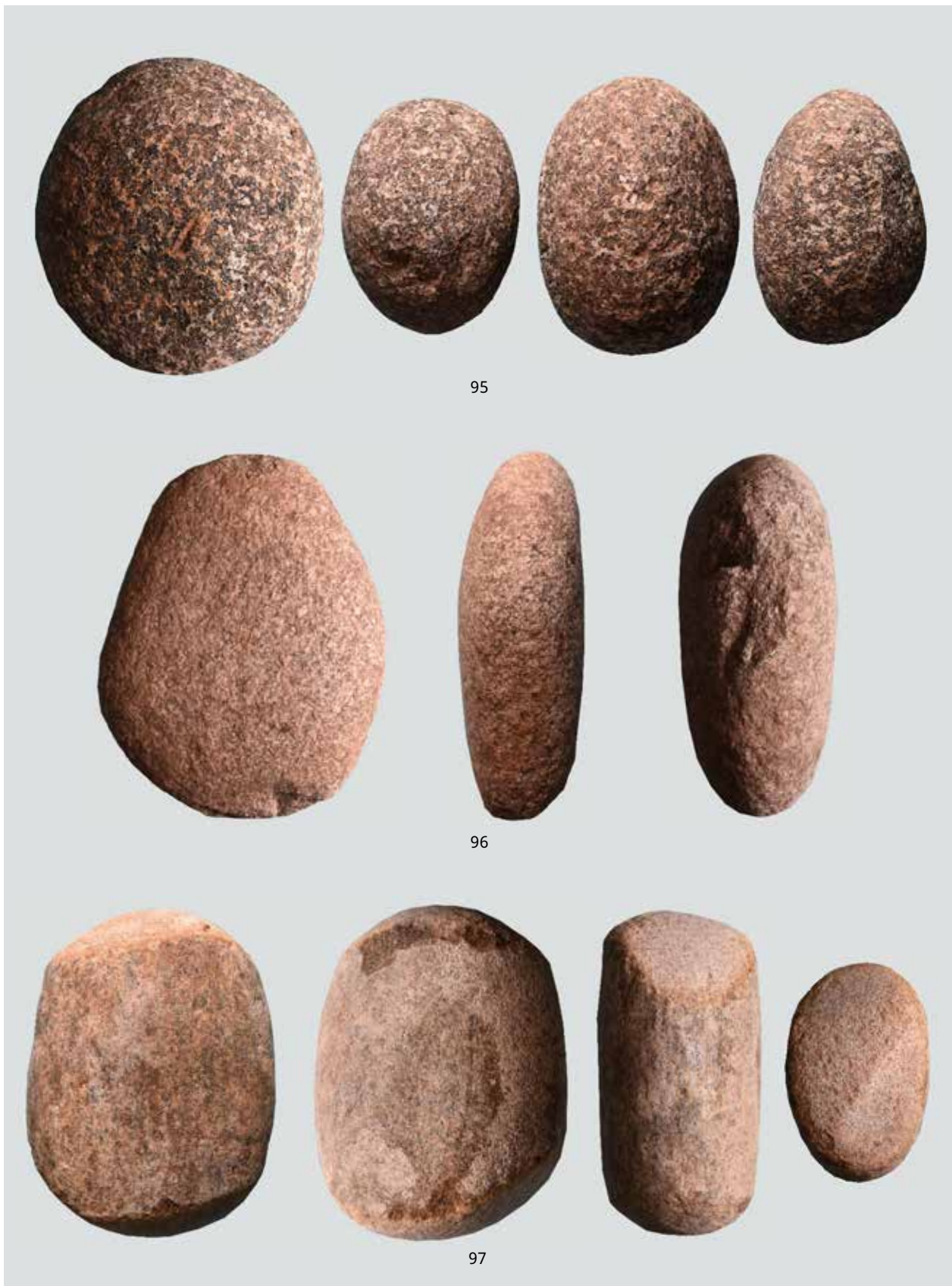
87



88









98



99











110



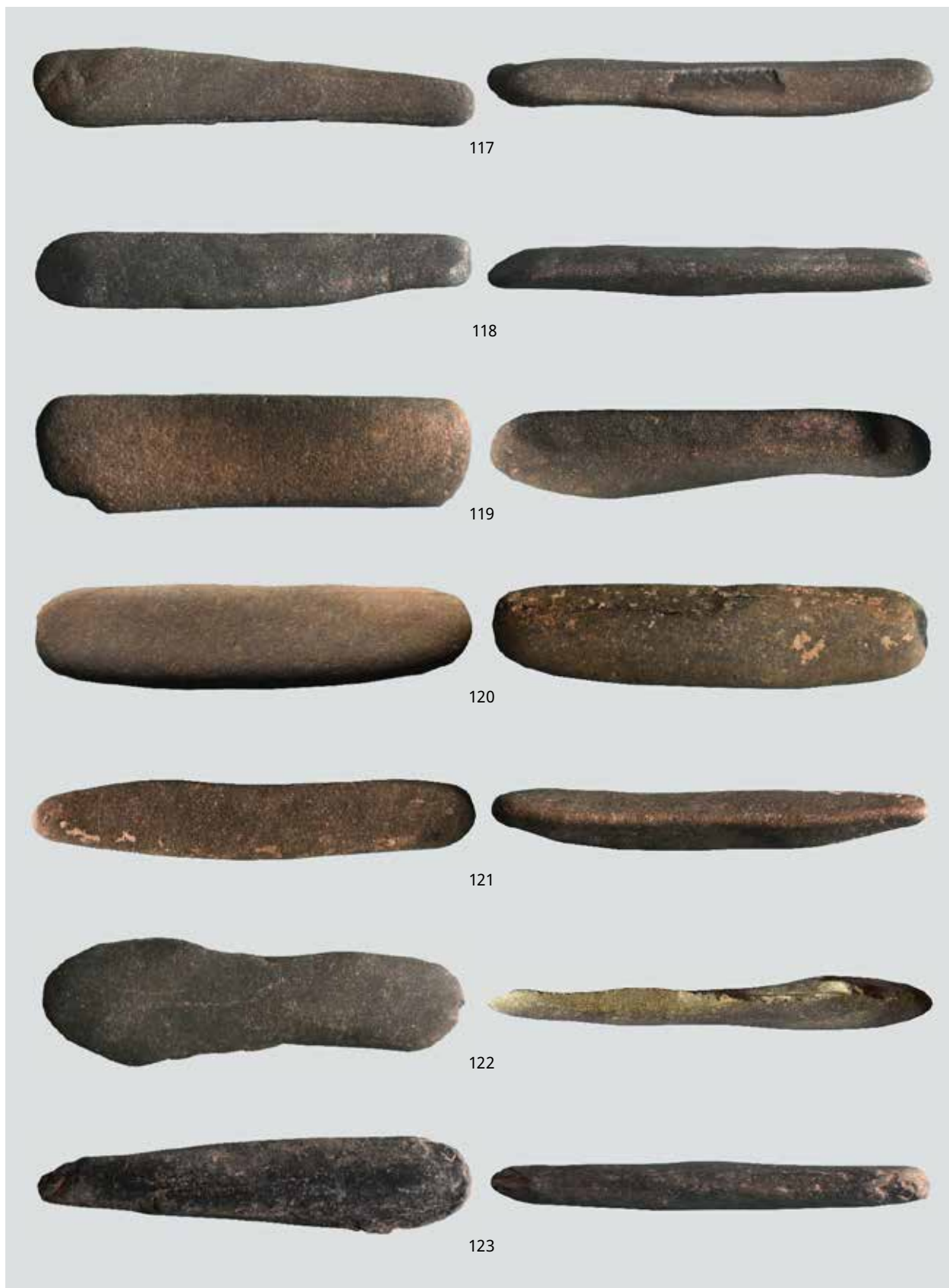
111



112









124



125



126



127



128





129



130





131



132







iii.a. Large drinking bowl



iii.b. Ring cut base of bowl (iii.a)



iv. Fragment of large bowl



v. Fragment of serving bowl



vi.a. Low pedestalled cup, half broken



vi.b. Domical hollow base of cup (vi.a)



vii.a. Lower part of low pedestalled cup



vii.b. Deep hollow base of cup (vii.a)



viii.a. Fragment of standard pedestalled cup



viii.b. Concave base of cup (viii.a)



ix.a. Small globular vessel



ix.b. Flared rim of globular vessel (ix.a)



x.a. Fragment of wide globular pot



x.b. Interior side of a globular pot (x.a)



xi.a. Exterior side of a composite pot



xi.b. Interior side of a composite pot



xii. Bodysherd painted with a plant motif



xiii. Bodysherd painted with a band of crisscross lines



xiv. Broad rim painted with cross-hatching lines in triangle



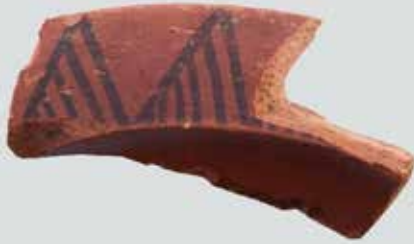
xv. Broad rim painted with parallel lines in triangle



xvi. Broad rim painted with hatched triangle and extended curve



xvii. Broad rim painted with parallel lines in twin triangles



xviii. Broad rim painted with parallel lines in series of triangles



xix. Broad rim painted with thick parallel lines in twin triangles



xx. Broad rims painted with hatched triangles



xxi. Flat rim painted with vertical lines



xxii.a. Broad rim painted with vertical lines



xxii.b. Internal view of a painted rim (xxxii.a)



xxiii. Curved rim painted with parallel lines



xxiv. Broad flat rim painted with vertical lines



xxv. Top and side of rim painted with broad horizontal lines





xxvi. Potsherd painted with hatched triangles



xxvii. Potsherd painted with petalled leaf motif



xxviii. Potsherd with cross-hatching lines



xxix. Potsherd with thick cross-hatching lines



xxx. Plate fragment painted with concentric circles



xxxi. Potsherd painted with a thick circle



xxxii. Potsherd painted with parallel zigzag pattern & plant motif



xxxiii. Potsherd painted with plant motif



xxxiv. Potsherd painted with thick cross lines



xxxv. Potsherd painted with parallel and cross lines



xxxvi. Potsherd painted with hatched triangles



xxxvii. Potsherd painted with parallel zigzag lines



xxxviii. Potsherd painted with cross lines



xxxix. Square rim, outer part painted with wavy lines



xl. Shoulder fragment of a painted pot



xli. Potsherd painted with crisscross lines



xlii. Potsherd painted with hatched triangles (outer circle) and triangles of parallel lines (inner circle)



xliii. Potsherd painted with parallel zigzag lines



xliv. Fragment of bowl painted with hatched triangles in circle and rim parallel lines



xlv. Fragment of bowl painted with parallel vertical lines



xlvi. Potsherd painted with circles



xlvii. Potsherd painted with a thick circle



xlvi. Potsherd painted with a star like design



xlvi. Potsherd painted with thick concentric circles



l. Potsherd painted with concentric circles



li. Potsherd painted with geometrical designs



lii. Potsherd painted with a band of hatched triangles



liii. Bowl fragment painted with vertical parallel lines



liv. Jug fragment painted with a zigzag horizontal band



lv. Plate fragment painted with a dotted circle



lvi. Potsherd painted with vertical wavy lines



lvii. Potsherd painted with crisscross lines



lviii. Potsherd painted with thick horizontal lines



lix. Potsherd painted with thick parallel lines



lx. Potsherd painted with parallel zigzag lines



lxi. Potsherd painted with dotted circle



lxii. Potsherd painted with a floral motif



lxiii. Potsherd painted with dotted circle and horizontal band



lxiv. Potsherd painted with geometrical designs



lxv. Rim edge painted with a thick line



lxvi. Moulded bowl decorated with two zigzag bands enclosed within dotted lines



lxvii.a. Fragment of plate decorated with a human figure



lxvii.b. Backside of a flat base of plate (lxvii.a)



lxxviii. Potsherd with appliqué curved lug



lxxix. Potsherd with appliqué legs of human figure or a base of lug



lxx. Base of bowl stamped with a floral motif



lxxi. Bodysherd stamped with a floral motif



lxxii. Potsherd decorated with leaf pattern



lxxiii. Potsherd stamped with a sun symbol



lxxiv. Potsherd stamped with a star symbol



lxxv. Potsherd stamped with a cross symbol



lxxvi. Potsherd stamped with floral motifs



lxxvii. Potsherd stamped with concentric circles



lxxviii. Potsherd stamped with concentric circles



lxxix. Potsherd stamped with a concentric circles



lxxx. Potsherd stamped with concentric circles & denticulates



lxxxi. Potsherd stamped with concentric circles



lxxxii. Potsherd decorated with denticulate patterns



lxxxiii. Potsherd decorated with a denticulate pattern



lxxxiv. Potsherd decorated with small denticulates



lxxxv. Potsherd decorated with a denticulate pattern



lxxxvi. Potsherd decorated with a denticulate band



lxxxvii. Potsherd decorated with a denticulate band



lxxxviii. Potsherd decorated with a denticulate band



lxxxix. Potsherd decorated with denticulate bands in two tiers



xc. Potsherd decorated with a denticulate band and grooves



xc. Potsherd decorated with denticulate bands in two tiers



xcii. Potsherd decorated with denticulate bands in two tiers



xciii. Potsherd decorated with denticulate bands in two tiers



xciv. Potsherd decorated with denticulate bands in two tiers



xcv. Fragment of vessel decorated with wavy line



xcvi. Fragment of vessel decorated with large wavy band



xcvii. Fragment of vessel decorated with irregular wavy band



xcviii. Fragment of vessel decorated with oblique wavy band



xcix. Fragment of vessel decorated with short wavy band



c. Fragment of vessel decorated with long oblique wavy band



ci. Fragment of vessel decorated with wavy and grooved lines



cii. Fragment of vessel decorated with wavy band and lines



ciii. Fragment of vessel decorated with long wavy band



civ. Fragment of vessel decorated with two wavy bands



cv. Fragment of vessel decorated with large wavy band



cvi. Fragment of vessel decorated with multiple wavy bands



cvii. Fragment of vessel decorated with double wavy band



cviii. Fragment of vessel decorated with wavy band and cordon of rope



cix. Fragment of vessel decorated with large wavy band and rope pattern



cx. Fragment of vessel decorated with cordon of rope pattern



cx. Fragment of vessel with cordon of rope pattern



cxii. Fragment of vessel decorated with cordon of rope pattern



cxiii. Fragment of vessel decorated with oblique lines



cxiv. Potsherd of vessel with cordon of diamond pattern



cxv. Fragment of vessel with cordon of beaded shape



cxvi. Fragment of vessel with cordon of rope pattern



cxvii. Fragment of vessel decorated with cordon of fine rope pattern



cxviii. Fragment of vessel with cordon of rough rope pattern



cxix. Fragment of vessel with slim cordon of rope pattern in segment



cxx. Fragment of vessel decorated with cordon of loose style rope



cxxi. Bodysherd of vessel decorated with wavy lines and small cordon of rope pattern



cxxii. Fragment of vessel decorated with two cordons of rope pattern



cxxiii. Fragment of vessel decorated with wavy line and cordon of rope pattern



cxxiv. Fragments of vessel with thick cordon of rope pattern



cxxv. Fragment of vessel decorated with cordon of chain pattern



cxxvi. Fragment of vessel decorated with incised vertical lines



cxxvii. Vessel rim carved with wavy line



cxxviii. Vessel rim carved with broad wavy line



cxxix. Vessel rim carved with Roman letter W (wavy pattern)



xxxx. Vessel rim carved with Roman letters XX (wavy pattern)



xxxxi. Vessel rim carved with oblique lines



xxxii. Vessel rim carved with a zigzag line



xxxiii. Vessel rim carved with Roman letter V in double lines



xxxiv. Vessel rim carved with bold zigzag line



cxv. Vessel rim carved with long vertical lines



cxvi. Vessel rim carved with deep zigzag line



cxvii. Vessel rim carved with a trident symbol



cxviii. Vessel rim carved with Roman 'X' symbol



cxix. Vessel rim decorated with denticulate pattern



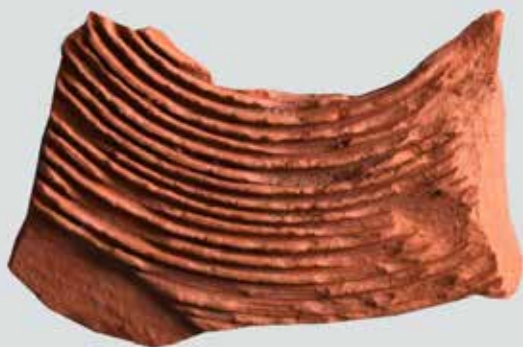
cxl. Potsherd with cord of vertical lines



cxli.a. Potsherd decorated with highly projected cordon



cxli.b. Beaded pattern below projected cordon



cxlii. Base fragment of vessel with deep grooves



cxliii. Potsherds with series of short grooves



cxliv. Interior rim (pitcher) carved with three vertical lines



cxlv. Potsherd with irregular ridges



cxlvi. Potsherd with two holes for string



cxlvii. Potsherd decorated with grooves, grey



cxlviii. Jug with base of a broken handle



cxlix. Vertical rim of bowl with horizontal lines round body and grooves round rim



cxl. Wide rim of bowl with carinated sholder



cli. Bowl fragment with vertical rim and grooves round body



clii. Bowl fragment with vertical wall and grooves round rim



cli.iii. Bowl fragment with plain everted rim



cliv. Bowl fragment with incurved sides and a grooved line round rim



clv. Bowl fragment with vertical wall and double grooves round rim



clvi. Fragment of goblet with incurved wall and series of shallow grooves round body



clvii. Vessel fragment with triangular rim marked by shallow grooves



clviii. Vessel fragment with tall curved neck and semi-circular rim



clix. Vessel fragment with semi-circular beaded rim



clx. Vessel fragment with flared rim



clxi. Vessel fragment with tall neck and rectangular rim



clxii. Vessel fragment with ribbed neck and everted rim



clxiii. Vessel fragment with semi-circular rim and grooved lines round neck



clxiv. Vessel rim internally decorated with horizontal lines



clxv. Fragment of large bowl with short incurved wall



clxvi. Fragment of large bowl with grooved lines below thick rim



clxvii. Bodysherd of large shallow bowl with short incurved wall and grooved lines round rim



clxviii. Bodysherd of large bowl with grooved lines below rim



clxix.a. Vessel fragment with thick oblique rim



clxix.b. Interior of the vessel carved with zigzag line



clxx. Vessel fragment with grooved lines below rim



clxxi. Pitcher fragment with tripple-ringed rim



clxxii. Vessel fragment with deep tripple-ringed rim



clxxiii. Vessel fragment with shallow tripple-ringed rim



clxxiv. Vessel fragment with tripple-ringed rim



clxxv. Vessel fragment with tripple-ringed flat rim



clxxvi. Vessel fragment with parallel grooves below rim



clxxvii. Vessel fragment with pair of grooves below triangular rim



clxxviii. Bodysherd with pair of grooves round shoulder



clxxix. Bodysherd with ripple pattern round body



clxxx. Broad flattened rim of pedestalled cup



clxxxi. Straight rim of bowl with large groove



clxxxii. Dish fragment with flattened rim



clxxxiii. Dish fragment with broad splayed rim



clxxxiv. Dish fragment broad extended rim



clxxxv. Dish fragment with everted rim widely splayed



clxxxvi. Dish fragment with straight everted rim



clxxxvii. Dish fragment with everted rim



clxxxviii. Dish fragment with broad extended rim



clxxxix. Cup fragment with everted rim



cxc. Dish fragment with everted rim and grooved line



cxci. Lower body of standard bowl with flat base



cxcii. Fragment of small bowl with ring-cut base



cxci. Fragment of bowl with short pedestal base



cxci. Ring-cut bases of small and medium bowls



cxci. Base of bowl with circular gutter



cxci. Large base of bowl with with circular gutter



cxci. Bowl fragment with shallow concave base



cxci. Fragment of cup with concave pedestal



cxci. Domical base of low pedestal cup



cc. Concave bases of pedestal cups



cci. Low domical bases of pedestal cups



ccii.a. Concave base of low pedestal cup



ccii.b. Outer side of the concave base (cxciii.a)



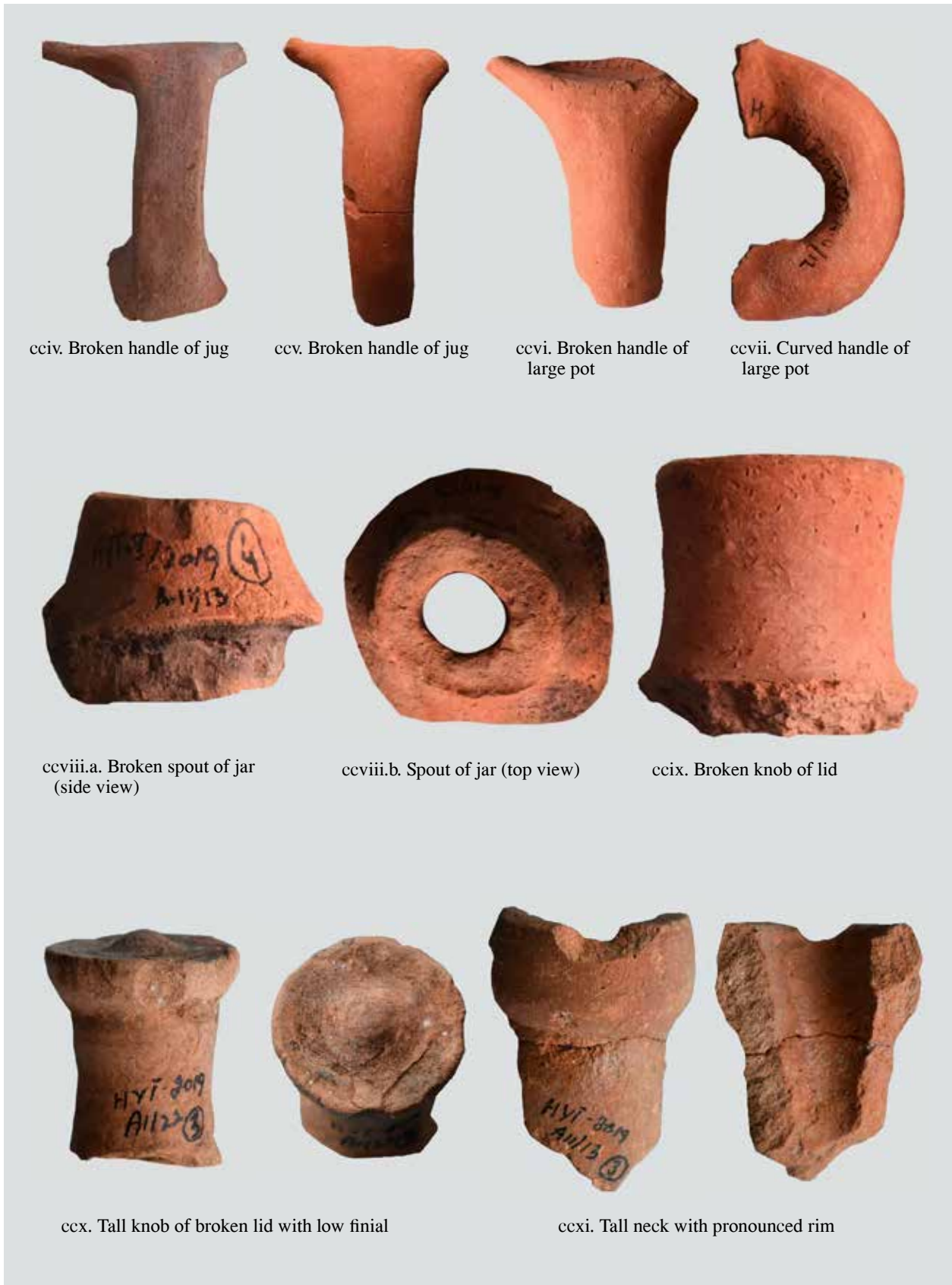
ccii.c. Inner side of the pedestal cup (cxciv.a)



cciii.a. Fragment of large square dish



cciii.b. Short vertical wall of large square dish (cxcix.a)





ccxii. Broken lid with pointed knob



ccxiii. Broken lid with short knob



ccxiv. Broken knob of lid



ccxv. Vessel fragment with knob



ccxvi. Vessel fragments with variety of knobs



ccxvii.a. Fragment of water flask with lug (top view)



ccxvii.b. Fragment of water flask with lug (front view)



ccxviii. Lug of water flask (side view)



ccxix.a. Broken mouth of water flask



ccxix.b. Broken mouth of water flask (top view)



ccxx.a. Upper part of water flask (front view)



ccxx.b. Upper part of water flask (side view)



ccxxi. Mouth of water flask



ccxxii. Upper body of miniature vessel



ccxxiii. Pinched rim of jug



ccxxiv. Fragment of a bowl, grey ware



ccxxv. Fragment of a bowl, grey ware



ccxxvi. Fragment of small dish, grey ware



ccxxvii. Fragment of a small bowl, grey ware



ccxxviii.a. Fragment of a small bowl, grey ware



ccxxviii.b. Small bowl with ring-cut base



ccxxix. Flat disc of bowl, grey ware



ccxxx. Flat base of plate, grey ware

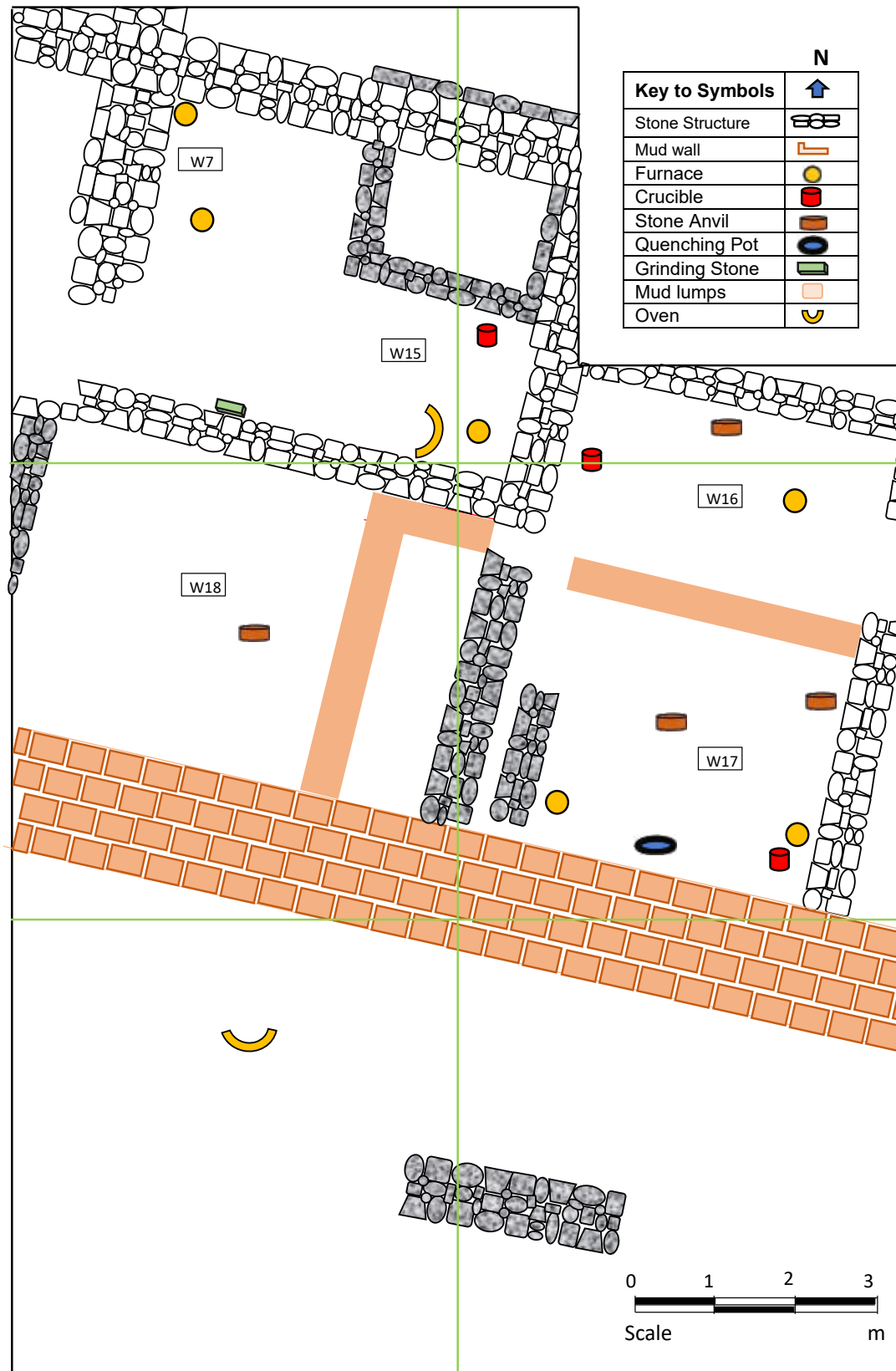


Figure 3. Plan of structures and other archaeological remains found in compound area

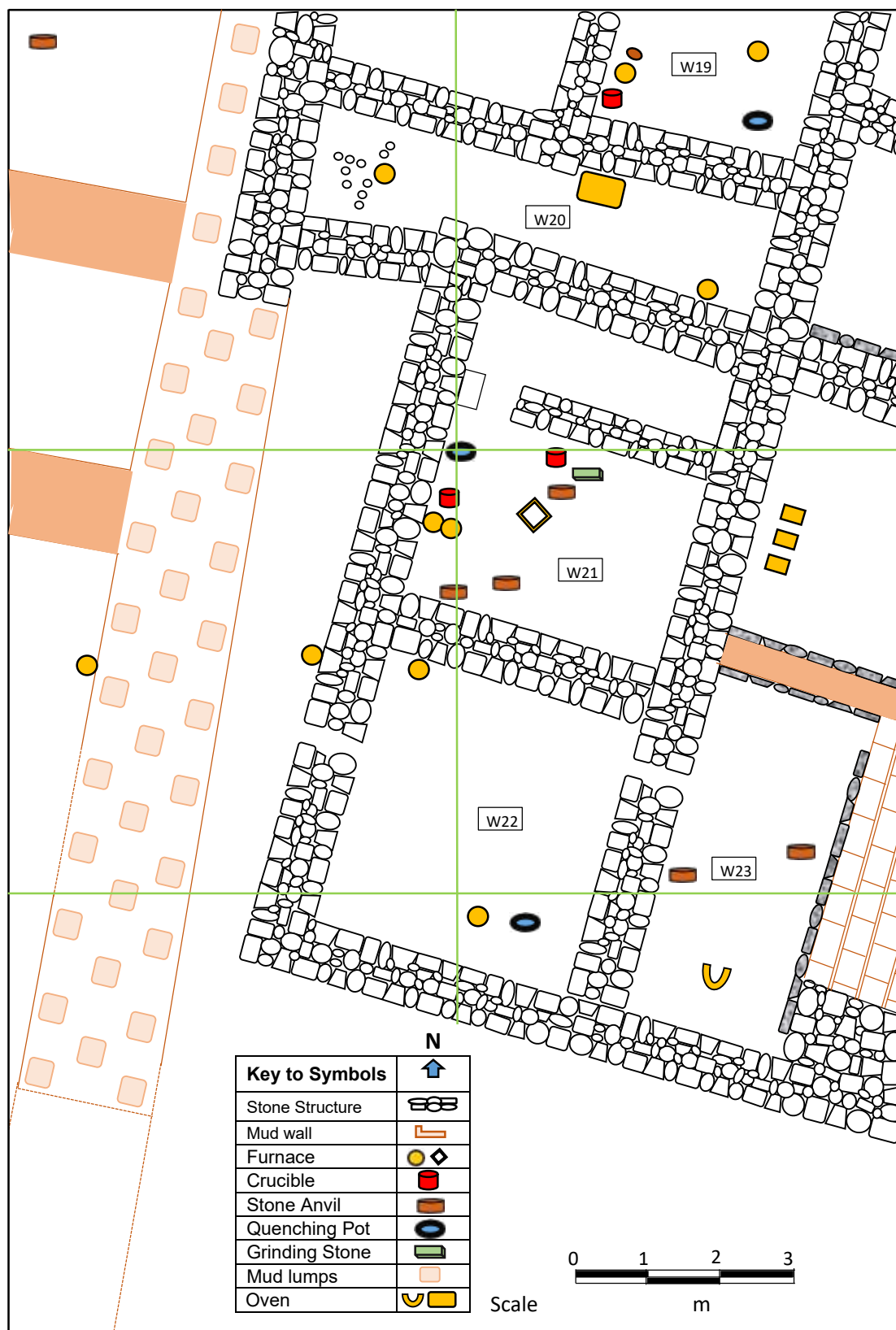


Figure 4. Plan of structures and other archaeological remains found in compound area

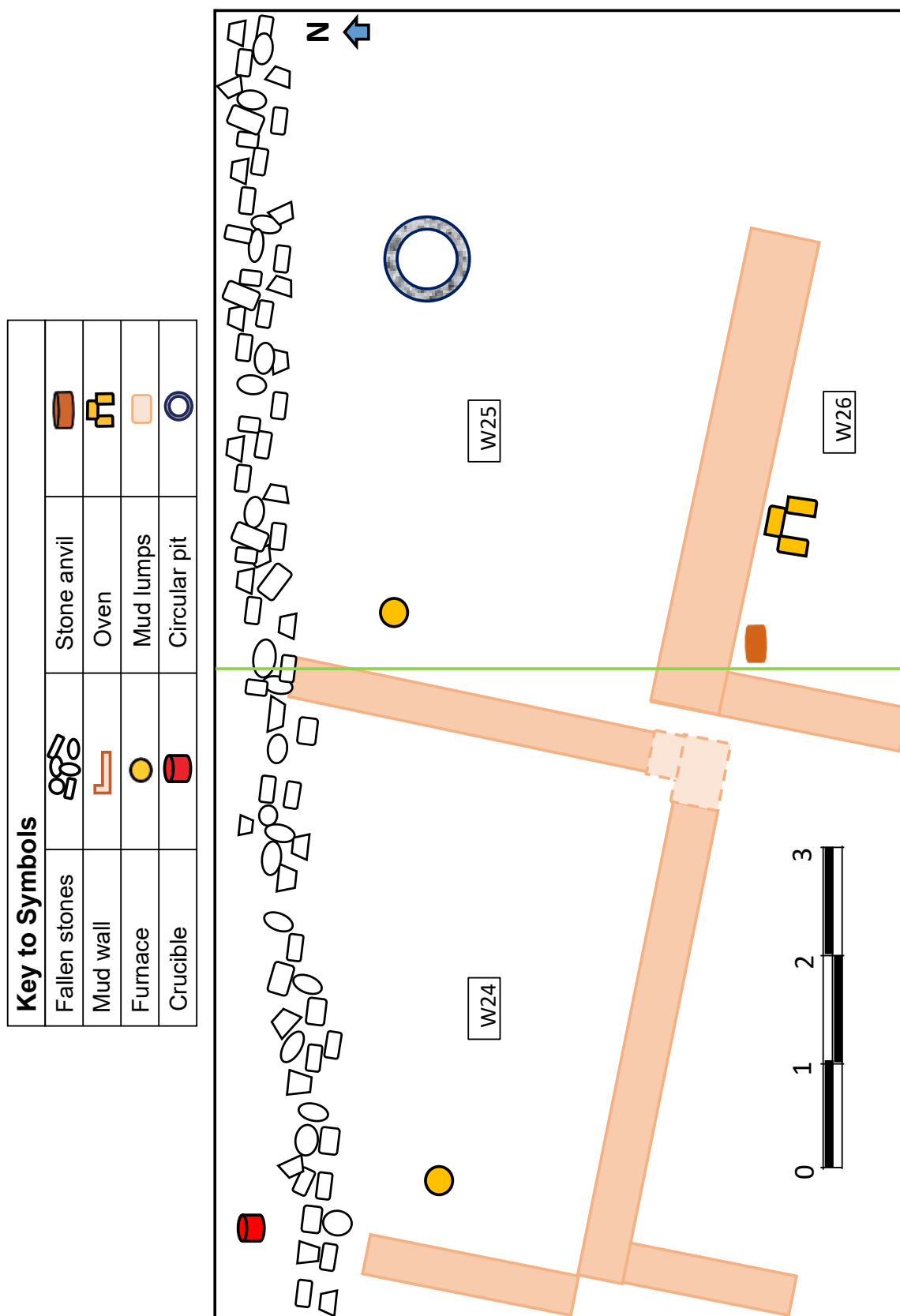


Figure 5. Plan of structures and other archaeological remains found in compound area

Hayatabad VI, 2019
Section Drawing, East Section facing West
Trenches: AII/13, AII/18 & AII/23

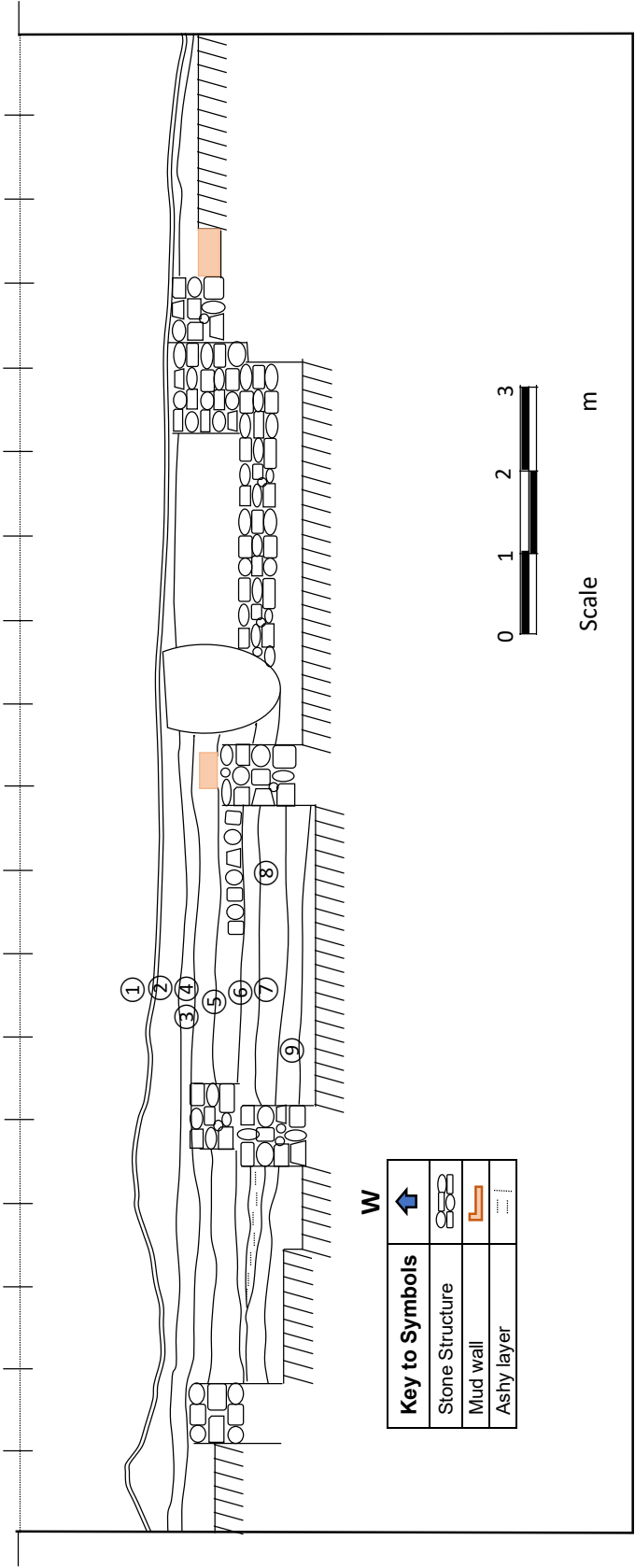


Figure 6. Section drawing of the main section

Figure 7

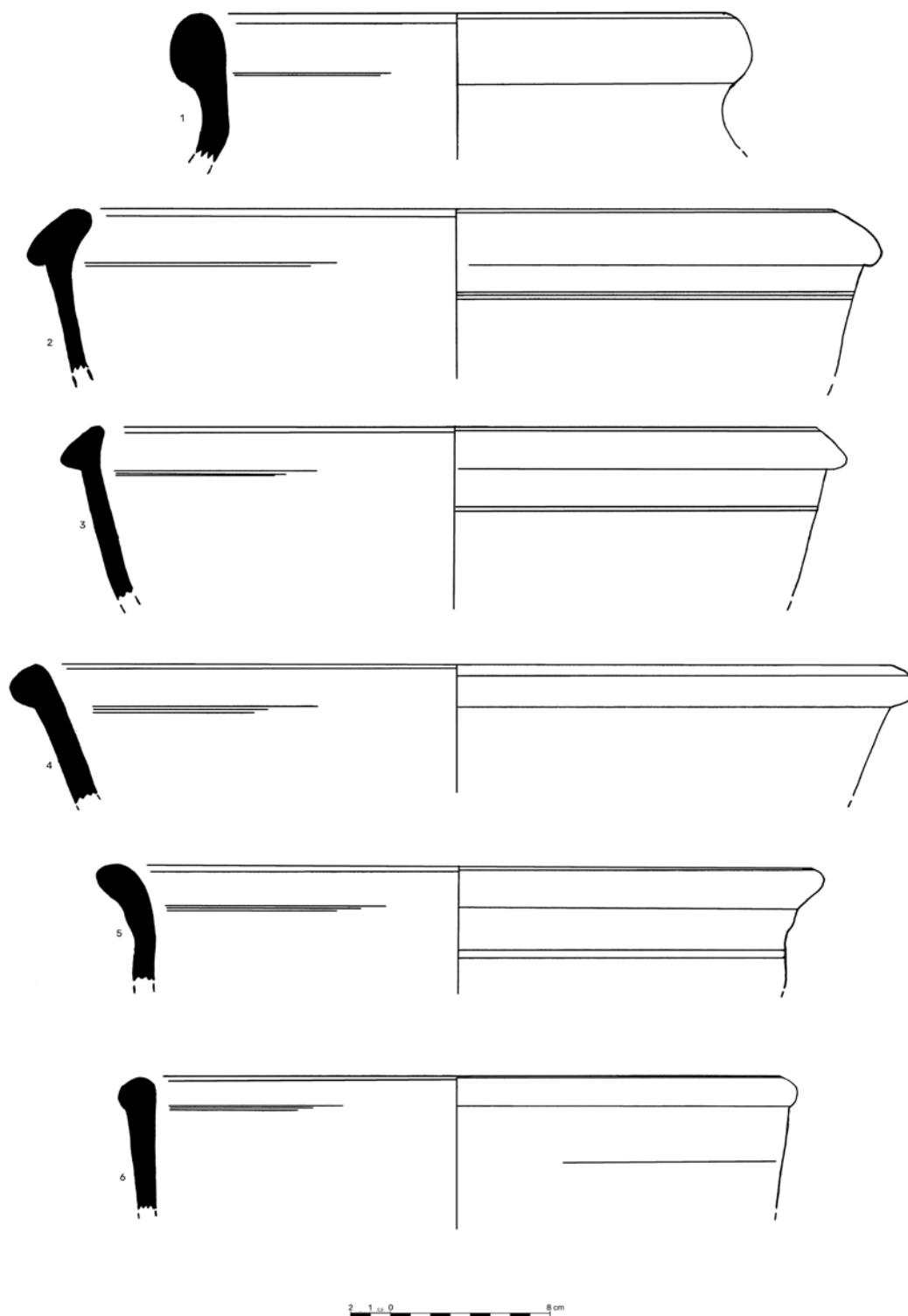


Figure 8

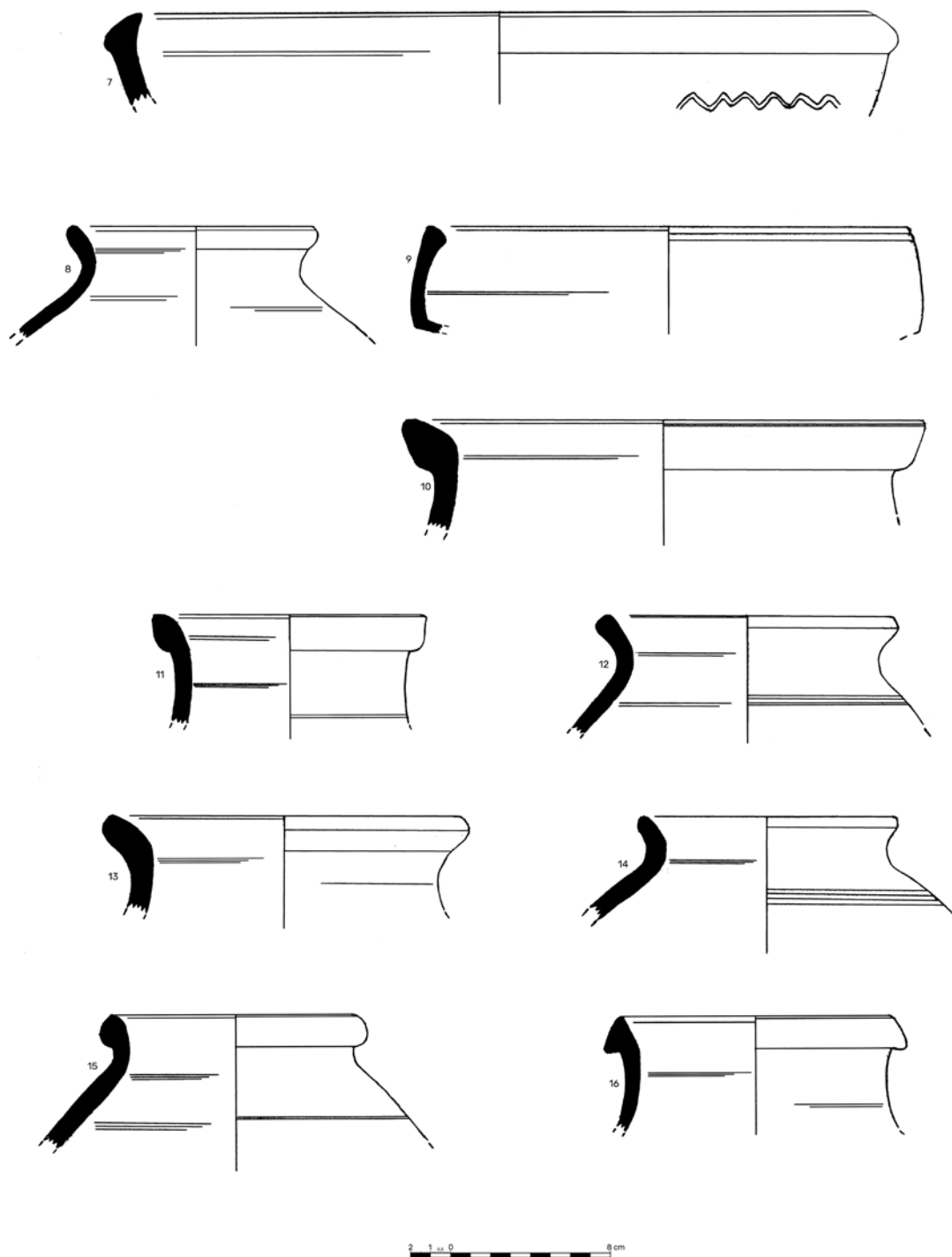
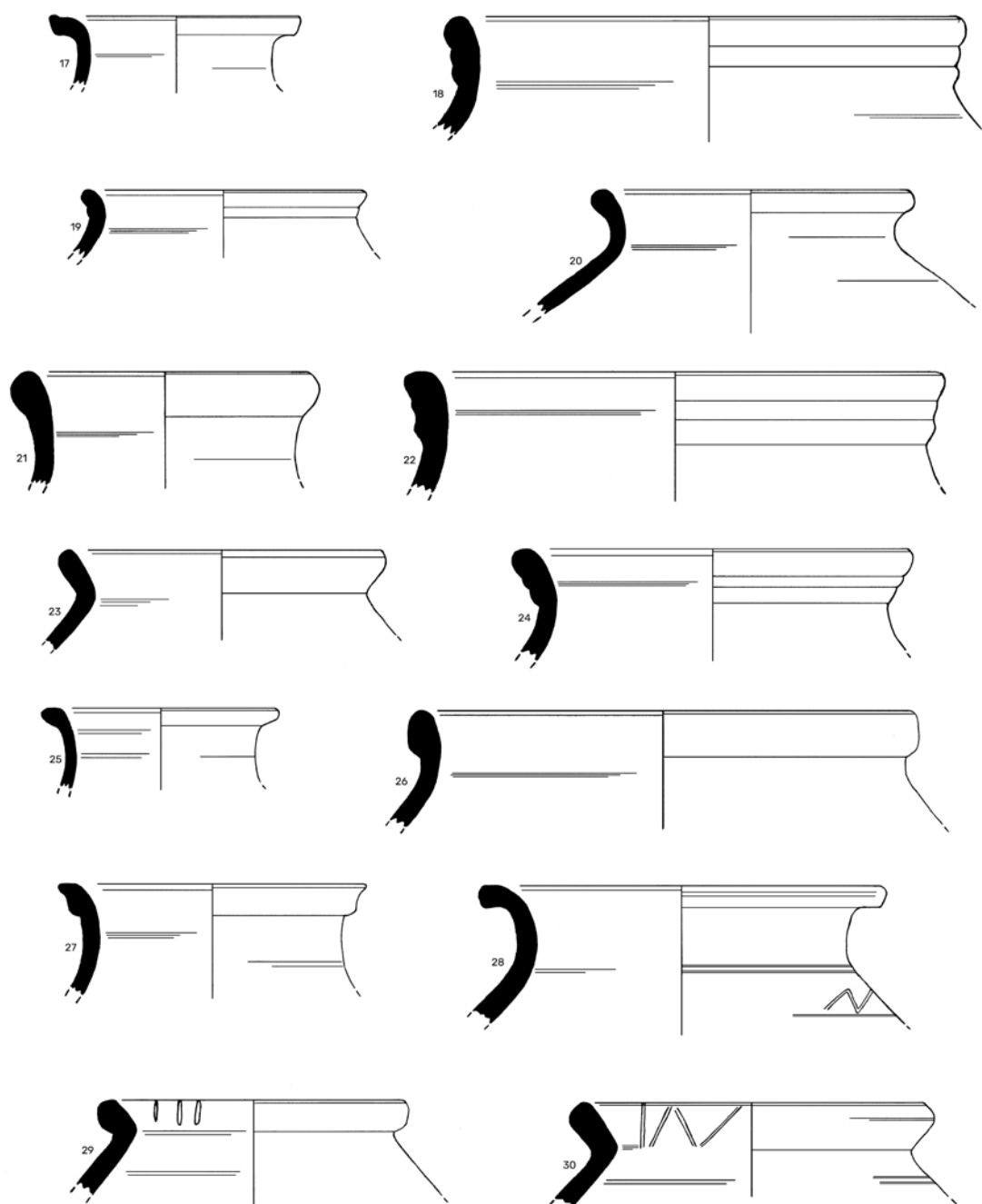


Figure 9



2 1 0 8 cm

Figure 10

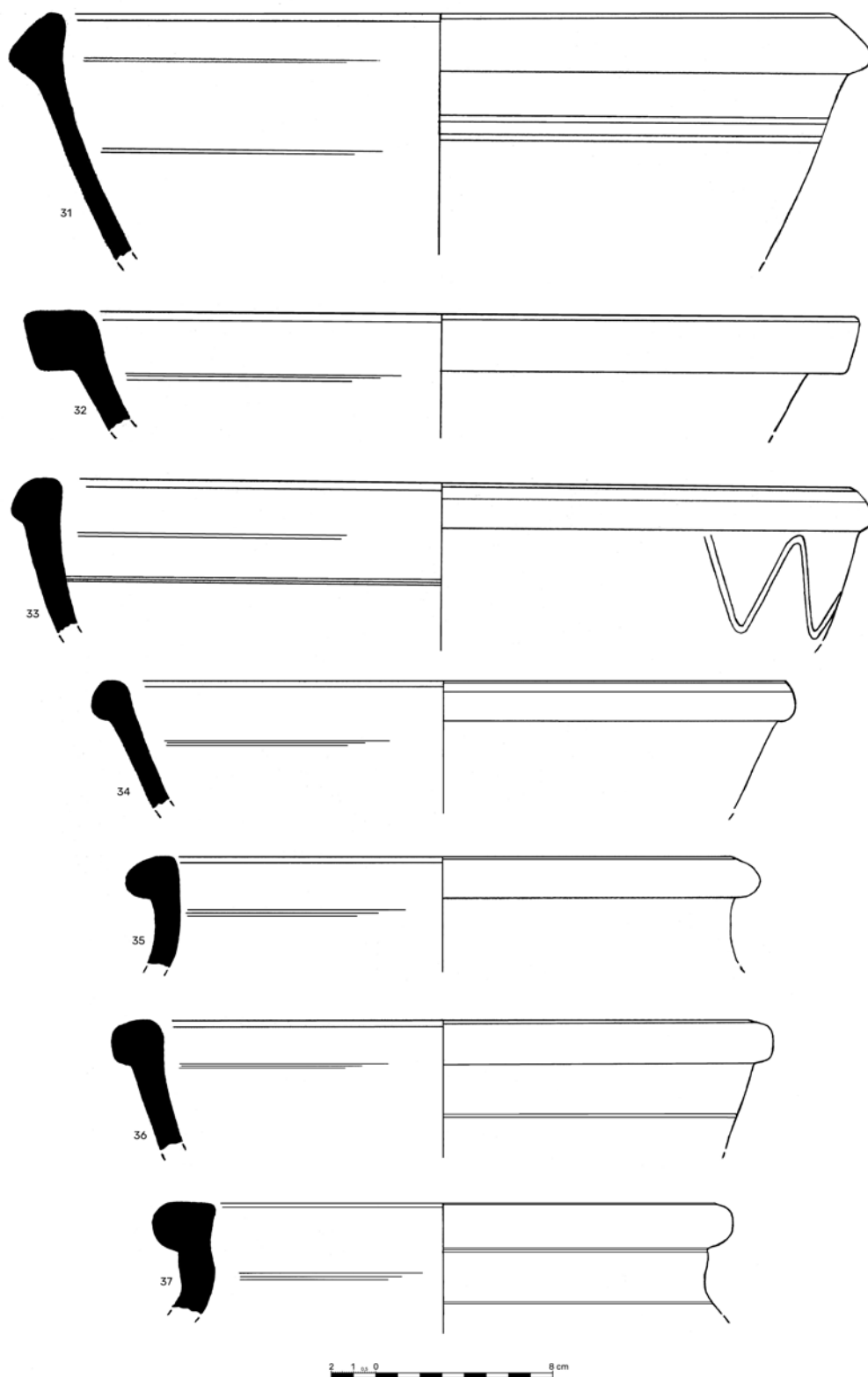


Figure 11

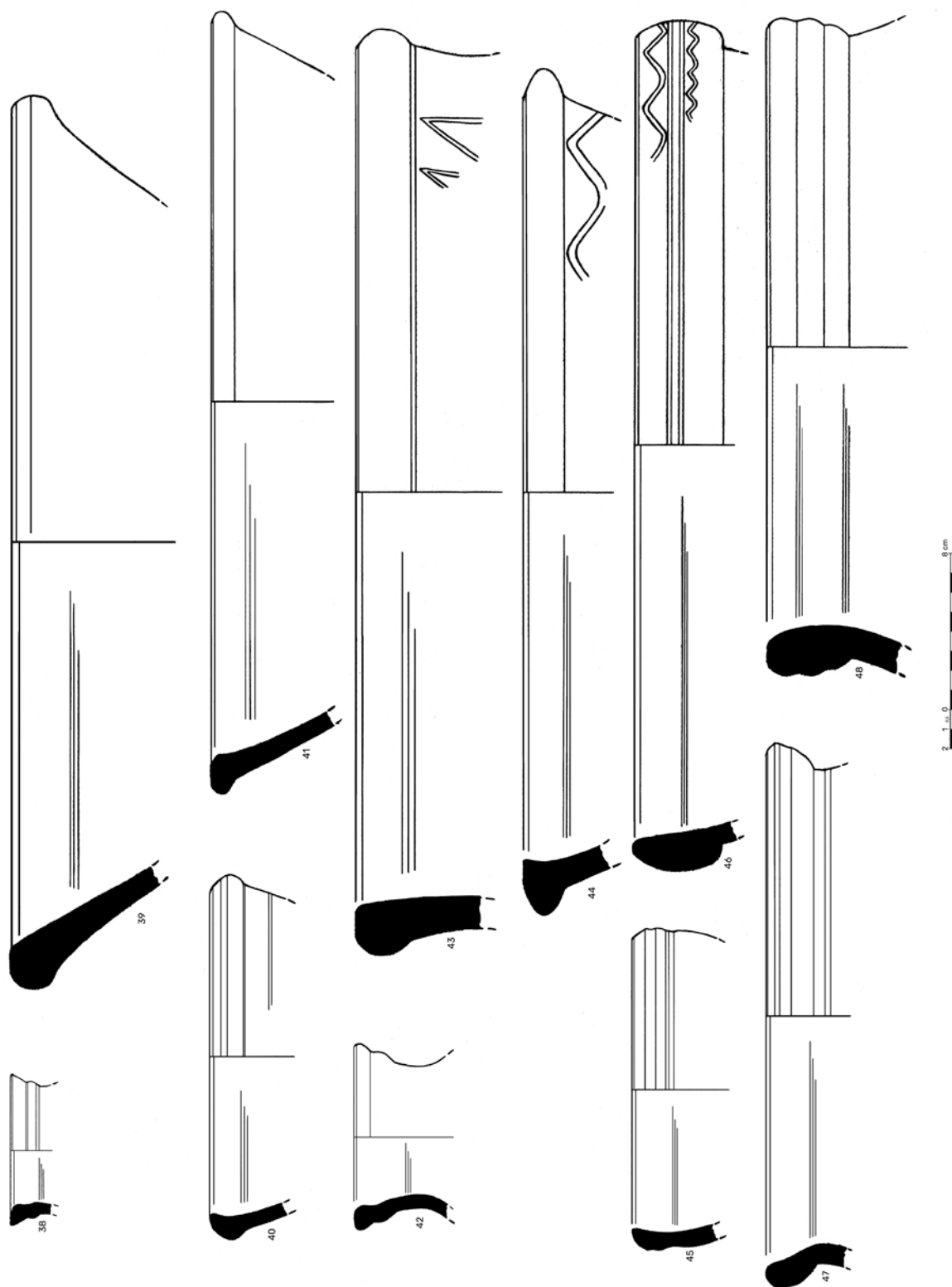
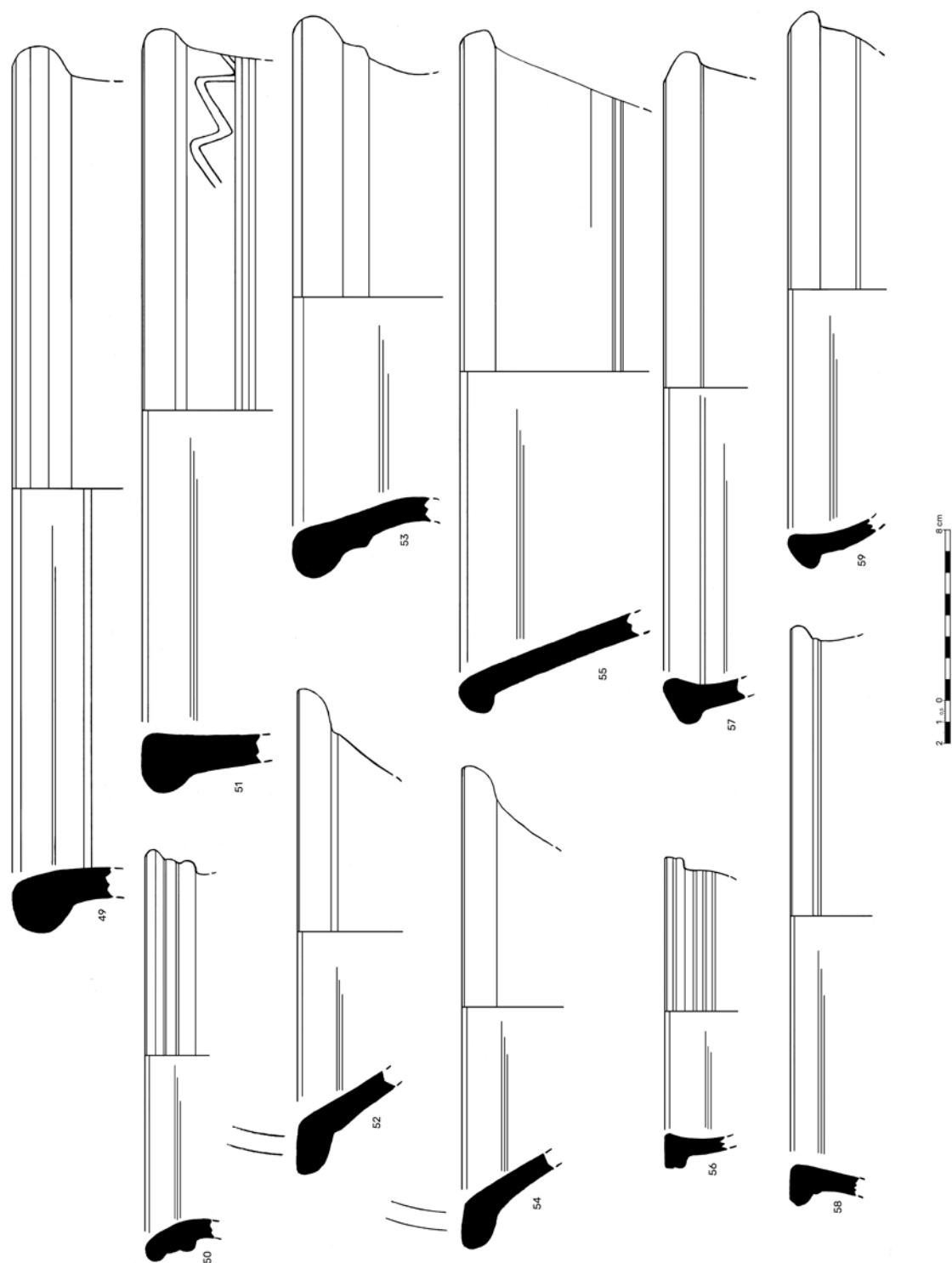


Figure 12



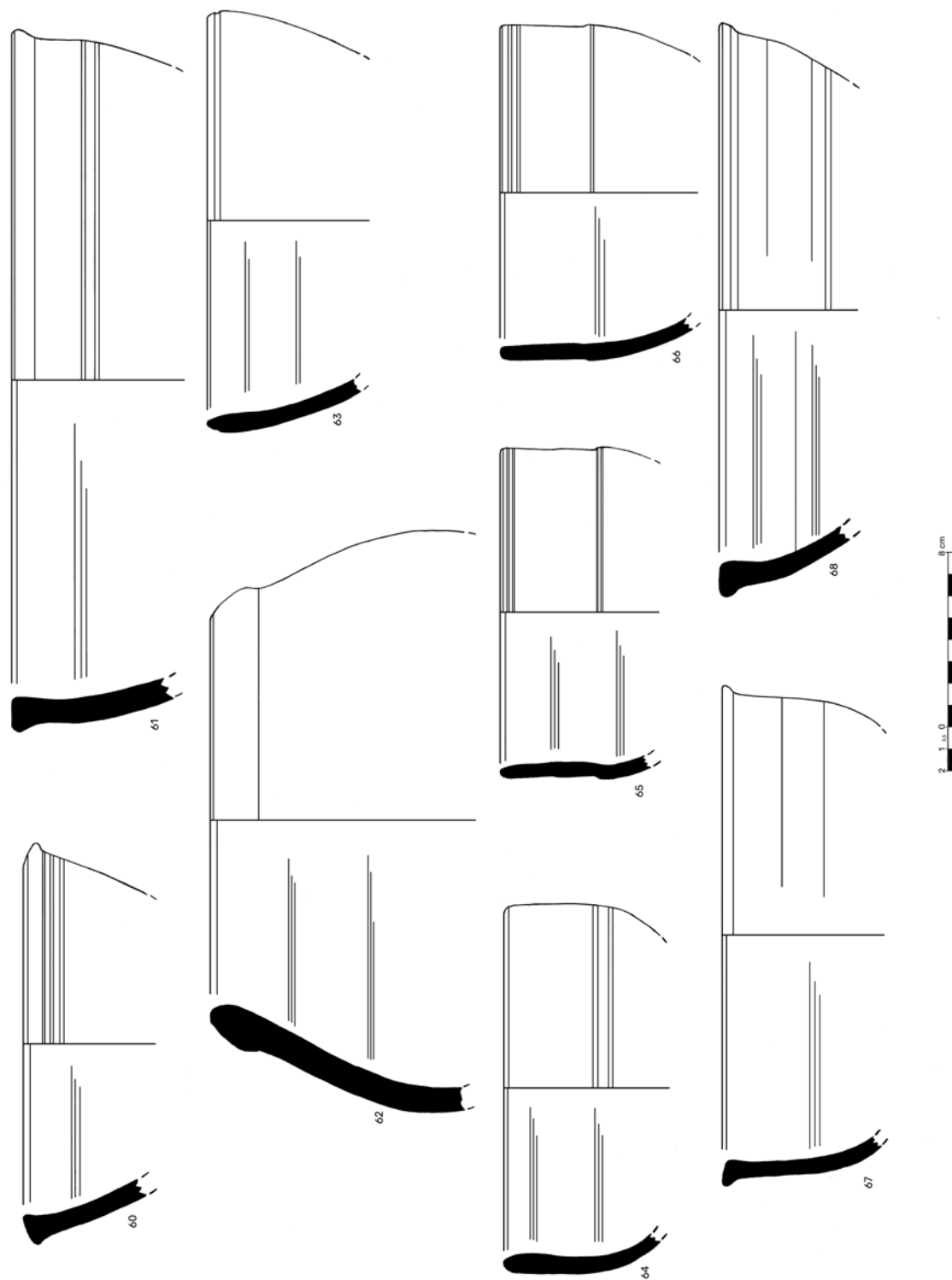


Figure 13

Figure 14

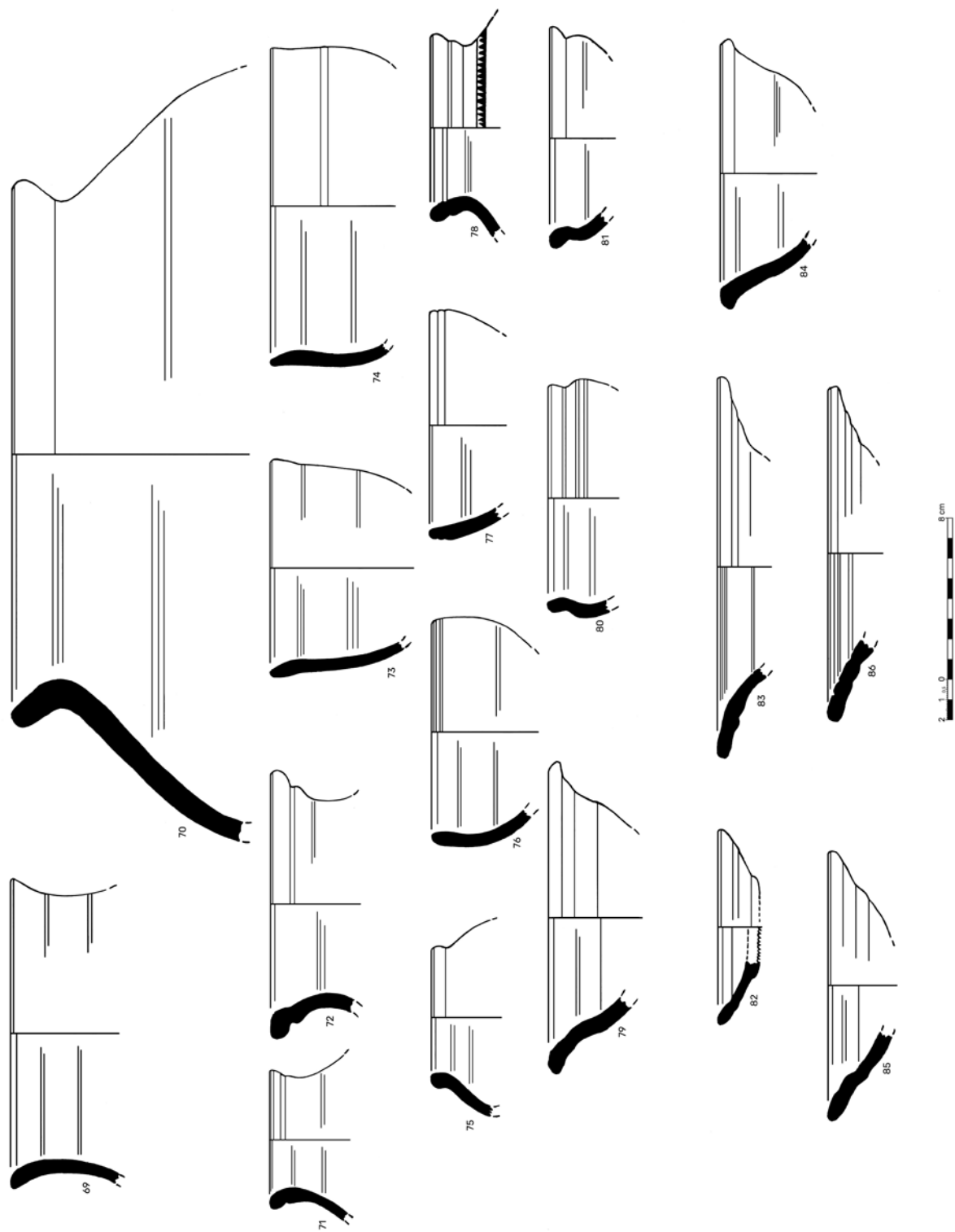
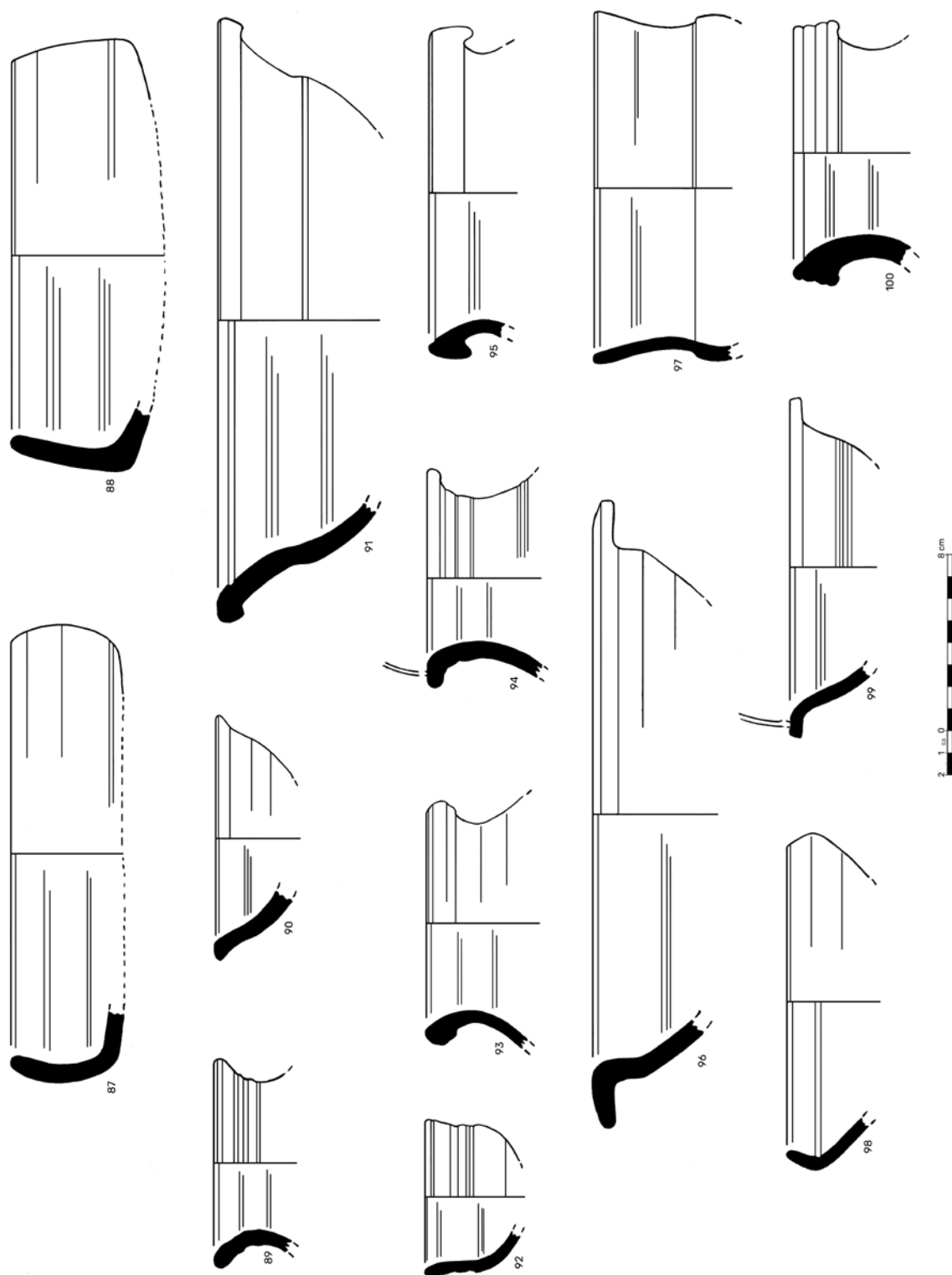


Figure 15



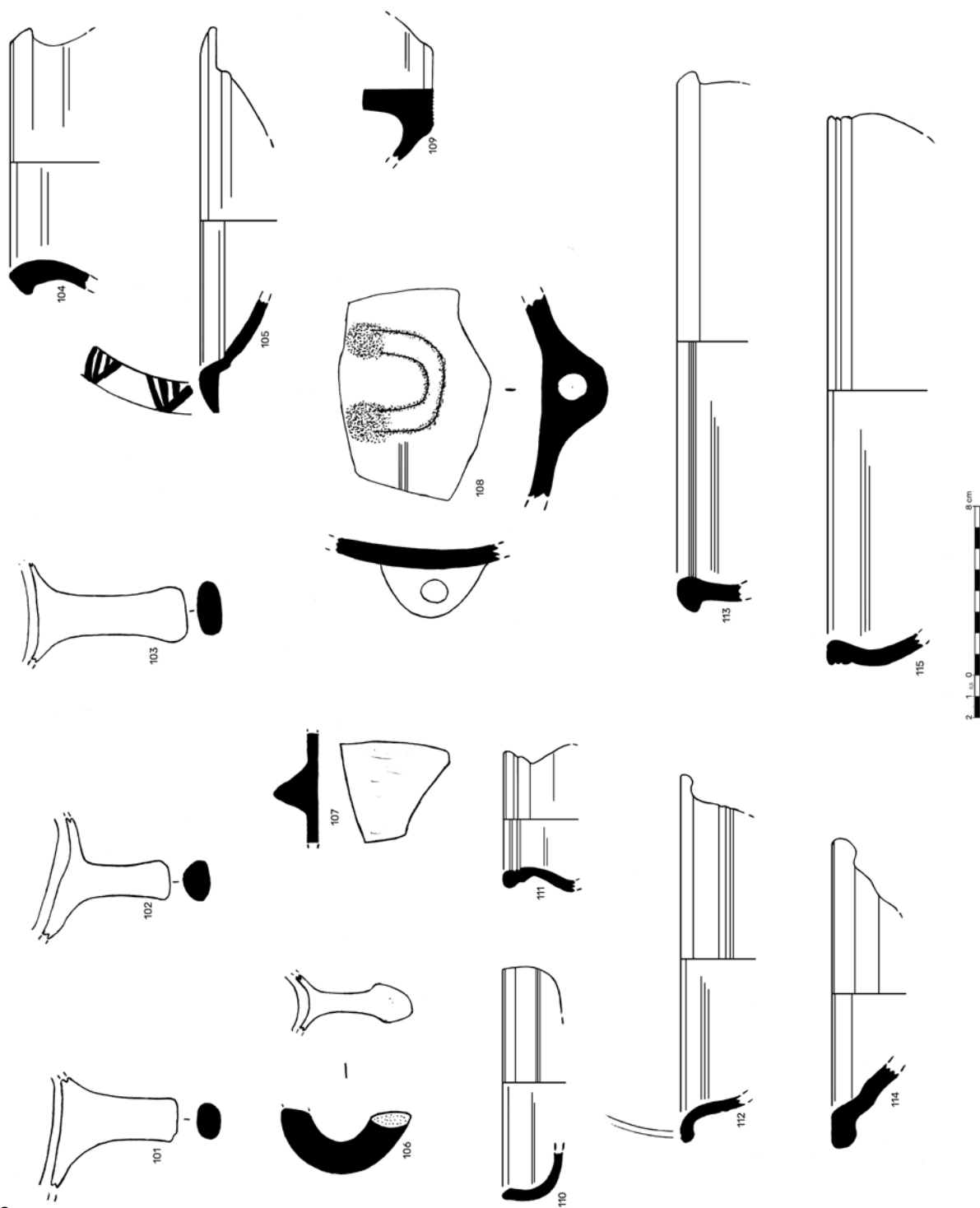


Figure 16

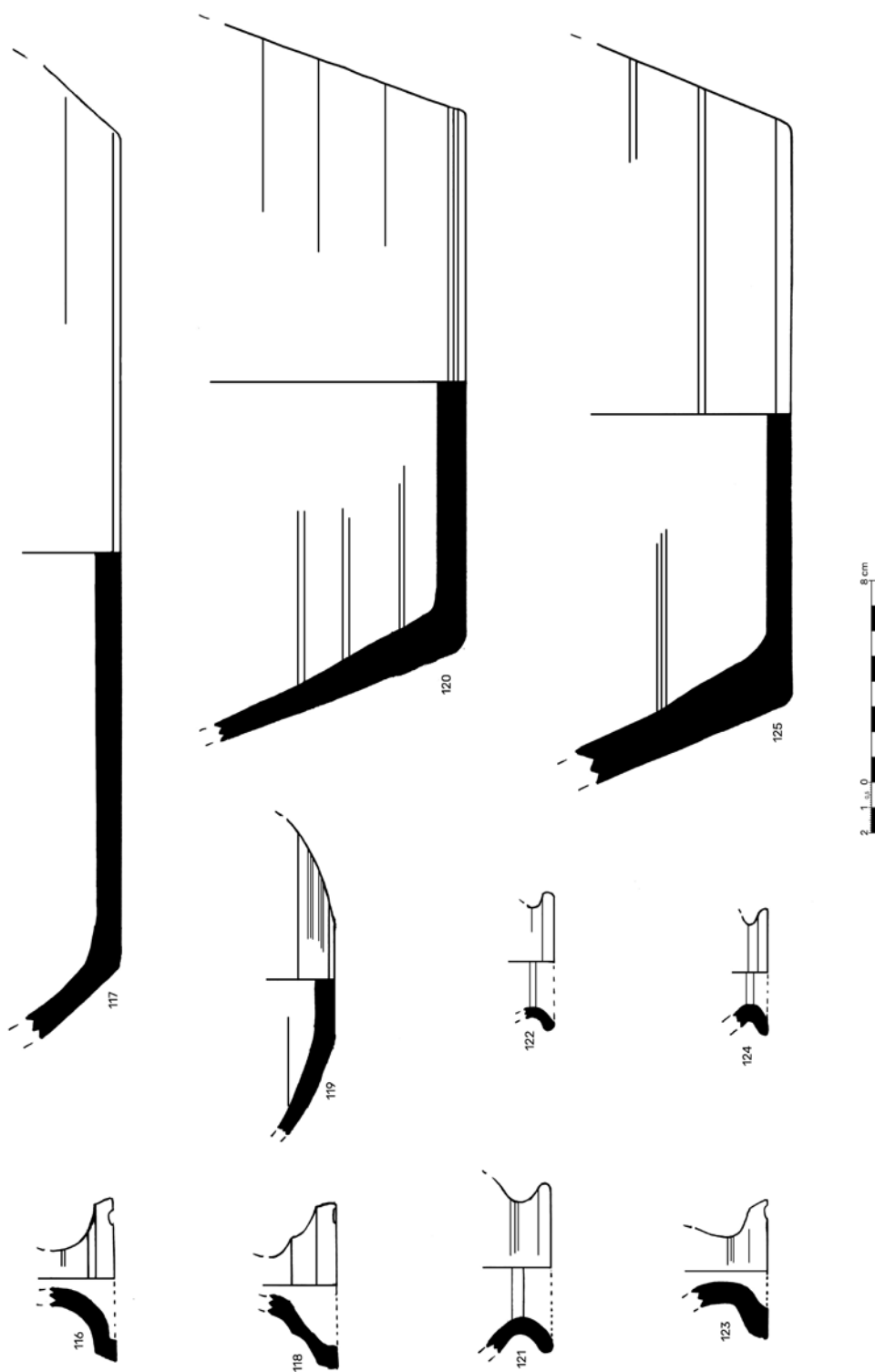
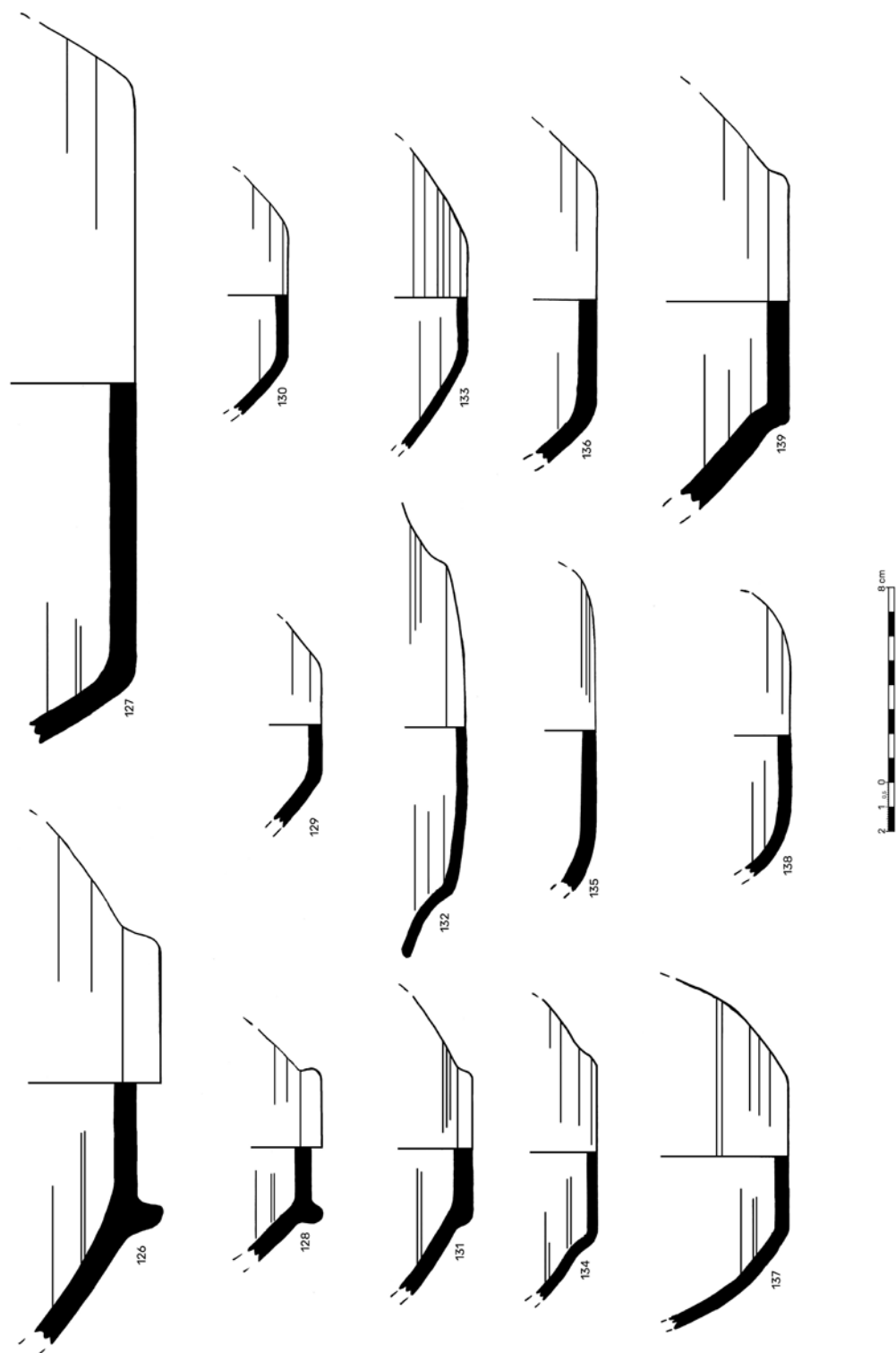


Figure 17

Figure 18



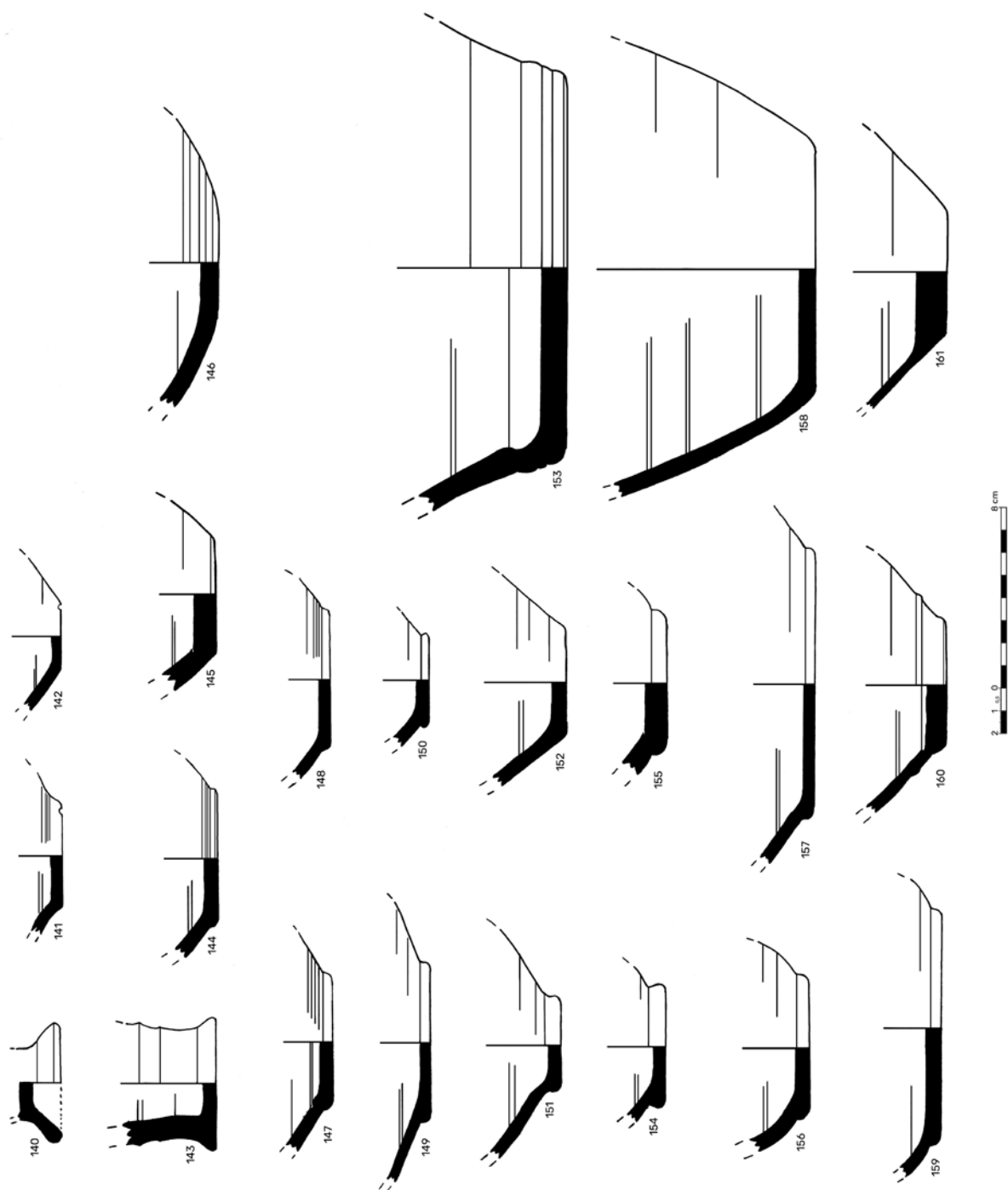


Figure 19

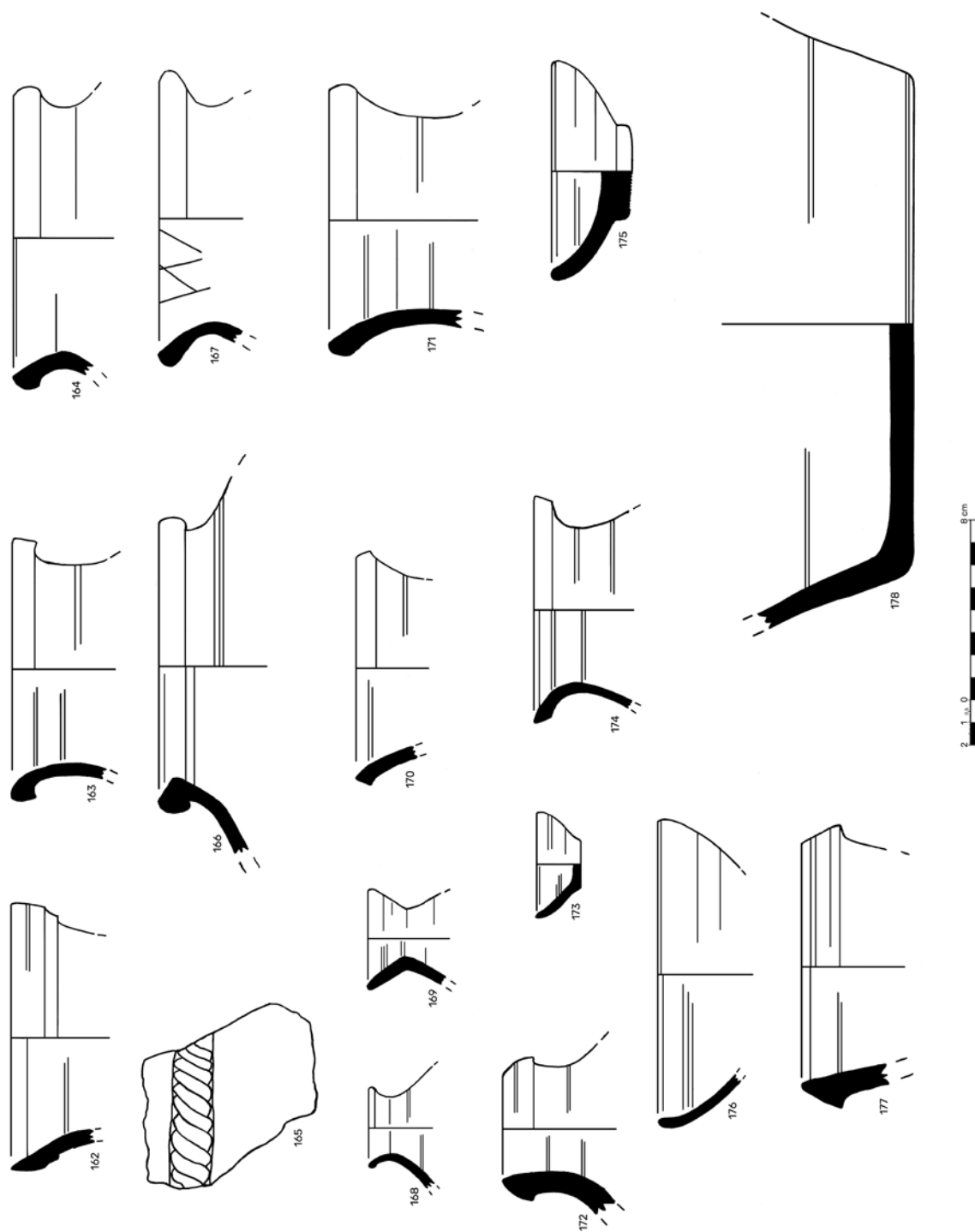


Figure 20