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**Boyuk Kasik Report  
On Excavations of Boyuk Kasik Settlement  
At Kilometre Point 438 of  
Baku-Tbilisi-Ceyhan and South Caucasus Pipelines Right Of Way**

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## ABSTRACT

The Boyuk Kasik settlement site located at Kilometre Point (KP) 438 of the Baku-Tbilisi-Ceyhan (BTC) Right Of Way (ROW), Agstafa District, Azerbaijan Republic, is a one-layer archaeological monument dating to the final stage of the Eneolithic – first half of the 4<sup>th</sup> millennium, B.C. Excavations have shown that this settlement site is one of the unique monuments throughout the entire region of the Caucasus. Evidence was produced that Boyuk Kasik relates to the Leylatepe archaeological culture evolved as a result of migration to the South Caucasus of tribes from the North Ubaid archaeological culture of Mesopotamia. Excavations revealed that bearers of this culture later moved to the North Caucasus and played a key role in the formation of the early Bronze Age Maikop Culture. The archaeological exploration of the Boyuk Kasik site conducted in 2004-2005 produced structural remains, storage pits, a wide variety of pottery and considerable quantities of stone, bone and metal tools.

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## **I. Introduction**

- ***Description of the BTC and SCP Archaeology Programme***

Archaeological excavations in connection with the construction of the Baku-Tbilisi-Ceyhan (BTC) and South Caucasus Pipeline (SCP) pipelines were conducted prior to, and during the construction of these pipelines. These excavations generally were carried out within the 44m wide pipeline corridor from 2001 to 2005. The archaeology program consisted of five phases of which the first four phases constituted field investigations:

Phase I – actual and potential archaeological sites were visually identified during walkover or baseline surveys during the selection of the pipeline route.

Phase II – the sites that were identified during Phase I as archaeologically potential were tested by digging test pits and conducting small-scale trial excavations.

Phase III – small and large-scale excavations were carried out within the BTC ROW.

Phase IV – small and large-scale excavations were carried out within the SCP ROW.

In addition to these, all the construction activities were monitored by watching brief archaeologists.

In general, during the core Phase III and Phase IV archaeological excavations were carried out at 41 sites with thousands of artefacts discovered. None of these sites had been previously known to archaeological science.

Phase V – preparation of scientific reports on the archaeological excavations carried out during the previous phases.

- ***Discovery of the Archaeological Site***

The Boyuk Kasik settlement site was discovered during topsoil stripping for the BTC pipeline in August 2004. Excavations at the site were initiated soon after that and were conducted by archaeologists from the Institute of Archaeology and Ethnography (IOAE), Azerbaijan National Academy of Sciences in two 15-day shifts by Farhad Guliyev and Viktor Kvachidze between 15 September and 15 October 2004. The work continued in October, November, December 2004 and January, September, October and November 2005 under the guidance of Muzaffar Huseynov and Najaf Museyibli. All the work at the site was supervised by BTC archaeological representatives Chris Polglase, Richard Moore, Claire Angus and Ed Dun.

## **II. Archaeological Contexts for Understanding the Site**

- ***General Archaeological Overview of this Portion of Azerbaijan***

The Boyuk Kasik Eneolithic settlement site is located in the western or Ganja-Gazakh region of the Azerbaijan Republic. The favourable natural geographic location and climatic conditions have attracted people to this area since ancient times which accounts for numerous archaeological sites of different historical dates revealed in this region. Intensive life continued in the Ganja-Gazakh area during all historical and archaeological periods beginning from the Stone Age to the late middle Ages. Hundreds of archaeological sites of different dates have been discovered here. These were Stone Age camps, settlements of early farmers and stock-breeders, settlement sites and burials dating to the Bronze Age, early Iron Age, Antique Period and middle Ages.

The Stone Age monuments were revealed and studied primarily in the territory of the Agstafa and Gazakh Districts. The best known among these are Damjili, Dashsalahli, Yatag Yeri camps and open sites of the Stone Age date.

The relatively more investigated monuments in the area are early farmers and cattle-breeders' sites dating to the Eneolithic Period (between 6000 and 4000, B.C.). Such sites as Shomutepe, Gargartepesi and Toyratepe in Agstafa, Babadervish in Gazakh, Goytepe, Mentejtepe and Toyratepe II in Tovuz, Kechili, Rustepesi and Ganlitepe in Shamkir and others could be mentioned as ancient settlement sites. The first Eneolithic monument excavated in the Ganja-Gazakh area was the Shomutepe site. As the artefactual material recovered from this site drastically differed from that of South Caucasian coeval sites a new Shomutepe archaeological culture was designated which covers the Kura River mid flow basin, the south-east of present-day Georgia and the Ganja-Gazakh region of Azerbaijan.

A number of various archaeological sites dating to different stages of the Bronze Age have been recorded in the Ganja-Gazakh region. A fairly well studied early Bronze Age settlement is the Babadervish site in the Gazakh District. Kurgan type burial sites of this date have been excavated in the Khanlar, Shamkir and Dashkasan Districts and around Ganja. The Gullutepe settlement site in the Agstafa District and burial mounds in Dashkasan, Shamkir and Tovuz could be named as dating to the middle Bronze Age. Of these more fully researched are burial sites. Most of the uncovered sites in the Ganja-Gazakh region are those dating to the late Bronze Age to early Iron Age (between the second half of the 2<sup>nd</sup> millennium and the beginning of the 1<sup>st</sup> millennium, B.C.). The monuments of this date in the area relate to the Khojali-Gedabey Culture. They are represented by ancient settlements, kurgans, earth burials and stone coffin graves. The more fully investigated sites of this date in the area are Babadervish IV and Saritepe ancient settlements. In the Gedabey and Dashkasan Districts small fortresses – cyclopean structures have been thoroughly studied. Hundreds of burials have been excavated in the Khanlar, Ganja, Shamkir, Gedabey, Dashkasan and Gazakh Districts.

Settlements and burials from the Antique Period (between the middle of the 1<sup>st</sup> millennium, B.C. and the third century, A.D.) have been discovered in the Ganja-Gazakh region. Among these Saritepe settlement in the Gazakh District and Garajamirli settlement in the Shamkir District should be specifically noted. The excavations at these sites provided evidence of a highly developed urban culture way back in the early Antique Period.

The early medieval period (4<sup>th</sup>-3<sup>rd</sup> centuries) in the area is represented by settlements, burials and ceremonial structures. Albanian Christian chapels as well as rural and urban settlements of this date have been excavated and studied. These were Christian chapels in the Gazakh and Agstafa Districts and the Torpaggala urban settlement site in the Tovuz District.

Both urban- and rural-type settlements dating to the Middle Ages (9<sup>th</sup> to 18<sup>th</sup> century) are known to exist in the Ganja-Gazakh region. Among these such remarkable medieval cities as Ganja and Shamkir should be specifically noted. The excavations conducted at these sites provided evidence that they already developed into large cities during the 8<sup>th</sup>-9<sup>th</sup> centuries.

### • *General Summary of the Geography and Geology of the Area*

The relief, geographic and geological characteristics of any region condition the economics, material culture and consequently the entire mode of life of people in this area during different periods of history. From this point of view of particular interest is the Ganja-Gazakh region which is divided into three distinctive parts in terms of relief, geography and geology: mountainous, sub mountainous and flat. From the west and south-west the area is locked with high ridges of the Minor Caucasus. The highest peaks in these ridges are the Goshgar Dagı (3378m) and Hinal Dagı (3373m). The alpine and sub alpine grasslands high in the mountains and foothills of the Minor Caucasus are covered with thick green vegetation even in the hottest summer months which is the major factor in promoting the development of summer animal husbandry. These areas are covered with woods at a height of 500-600m and up to 2200-2300m. Higher up the woodland changes taking the shape of narrow strips of forested land which gradually passes into sub alpine meadows

and fields. At a height of 2500m the mountainsides mostly covered with alpine grasslands sometimes rather scarce alternate with steep rocks. It is in these mountains that the Kura river right-hand tributaries feed from plentiful water sources and snow-covered mountain peaks. The sub mountain wood and brushwood zones are the natural habitat for wild boar, bear, wolf, badger, jackal, hare and other animals. Of birds the most precious are pheasant and francolin.

The flat and partially foothill zone is located 150-600m above sea level. This zone is characterized by brown and chernozem soils fit for crop growing. At the same time large portions of this zone are semi-desert lands with sagebrush being the major vegetation. At a height of 500-600m the areas covered with sagebrush scrub are replaced with woods. Rapid rivers running through deep gorges of the Minor Caucasus come out to the flat area and form wide river beds in these places which become even wider closer towards the river of Kura. The fairly large rivers in this area are Agstafachai, Hasansu, Tovuzchai, Zayamchai, Shamkirchai and Goshgarchai. In the summer months the water flow in these rivers decreases to the extent that some of them may completely dry up and yield no water to the river Kura.

There are a number of mineral deposits in the region's mountainous areas. Commercially significant of these are a copper mine in Gedabey and an iron ore mine in Dashkasan. Deposits of semiprecious stones such as agate, opal, chalcedony, amethyst, jasper, aragonite and crystal were also discovered in this area. A gold mine and one of the largest obsidian mines in the Caucasus are located in the Kelbajar Mountains in the immediate vicinity of Gedabey and Dashkasan.

### **III. Field and Office Methods**

- *Field Methods*

No machines were used for the excavations at the Boyuk Kasik site. The excavation work was undertaken by archaeologists from the Institute of Archaeology and Ethnography (IoAE) and the project labour force using shovels, barrows, trowels, brushes and other hand tools to clean and expose features as they were located. All the features exposed and artefacts recovered in the course of excavations were photographed, illustrated and recorded in site plans and field logbooks with indications of their specific properties and the depths of the deposits. All archaeological finds were field sorted and washed to identify diagnostic material which was then boxed and sent off to Baku. The remainder of the material as providing no new archaeological data was discarded by being buried at site.

In 2004 taking into account that the 4m wide trench for the BTC pipeline at Boyuk Kasik would traverse the site from the south-east to the north-west a decision was made to initiate excavations at this section of the site. The excavation site consisted of 17 quadrats of 4m by 4m along the strip aligned in the same direction close to the centre of the settlement site. Certain quadrats were later extended as some of the structural remains exposed in the course of excavations extended beyond the confines of the excavation trench. A total of over 340sq.m designated as Excavation Site I were excavated.

The SCP pipeline route traverses the north-eastern edge of the Boyuk Kasik site. The trial excavations conducted in 2005 in that portion of the site produced no evidence of a cultural layer there. Najaf Museyibli, expedition leader, proposed to explore the central part of the archaeological site which supposedly fell outside the pipelines construction corridor. These proposals were accepted by the BTC Management at the urgent requests of Chris Polglase, a US archaeologist representing the company, and an opportunity was provided to carry out large-scale excavations beyond the left-hand side limit of the pipeline easement. We express our sincere gratitude to Mr. Chris Polglase for his assistance in organizing these excavations.

So, during the SCP phase an opportunity was given to select an excavation site on the 100m long by 20m wide central area of the monument between the BTC and Baku-Supsa Western Route Export Pipeline (WREP) pipelines. The area of the selected site designated as Excavation Site II amounted to 300sq.m. However, because of heavy rains a 60sq. m area of the site (Quadrats 11c, 11d, 11e and 11f) was excavated to a depth of 50cm only. The remaining 240sq.m portion of the

site was excavated until the natural layer had been reached. Altogether the excavations at Boyuk Kasik site covered an area of over 580sq. m.

The quadrates of Excavation Site I were numbered with Roman numerals, while those of Excavation Site II were numbered with Arabic figures.

- ***Office/Laboratory Methods***

The material from Boyuk Kasik was brought to Baku, to the Institute of Archaeology and Ethnography to be processed and made available for writing a report. Photographing and making drawings of the finds carried on and taking into account the uniqueness of the site relevant scientific literature was widely used for comparative analysis. The drawings to be incorporated into the illustrative part of the report were digitally processed.

- ***Special Analysis***

Carbonized wood remnants recovered from different quadrats at Boyuk Kasik have been analysed at Beta Analytic in 2005 to 2007. We are thankful to Mr. David Maynard, British archaeologist representing BTC, for his effort in the implementation of these analyses.

In addition, a charred piece of wood recovered from a depth of 1.4m in Quadrate VII, Excavation Site II, was radiocarbon-dated in Paris. We wish to express our thanks to the French archaeologist Bertil Lioneth for organizing this analysis.

The results of radiocarbon analyses are used in the Dating section of this Report.

- ***Archive Disposition***

The Boyuk Kasik material brought to Baku was stored in a special archive set up in the IoAE for the finds retained from the BTC and SCP archaeological excavations.

#### **IV. Excavation Results**

- ***Site Description***

The Boyuk Kasik settlement site was discovered at KP 438, BTC ROW, on the territory of the Agstafa District. The site was named so conditionally as it is located close to the village of the same name. This old settlement site lies on broad flat land approximately 500m east of the current village, 250m above sea level. The overall area of the roughly oval shape site is 1.2 hectares. As the land in the area had long been used for arable farming the 30-40cm thick topsoil of the site was damaged by ploughing. The cultural layer lies largely beneath the current original ground. Floods occurring in the area over thousands of years had caused the surrounding land to rise up to the level of the cultural layer of the monument. The site is located at Pulkovo coordinates 8517274, 4583136 at a height of 261m above sea level.

In the course of excavations in November 2004 another settlement of the same nature was identified by Najaf Museyibli some 350m east of the Boyuk Kasik site. Therefore it seemed expedient to designate these monuments as Boyuk Kasik I and Boyuk Kasik II. In this Report solely the term Boyuk Kasik is used as it describes excavations at Boyuk Kasik I site only.

- ***Description of the Cultural Layer***

The 30cm thick topsoil at the settlement site had been removed and heaped up by machines along the edge of the construction corridor during site preparation. Visual examination of the spoil heap revealed pottery ware and stone implements of late Eneolithic date. 70% of pottery sherds were light red, while the remaining 30% represented yellow and grey ware.

*Horizon I* Large quantities of artefacts were contained in the hard yellowish, clayey soil stratum at a depth of 0.8-1.1m. These consisted of pottery fragments of varied forms and colours, including perforated ceramic objects, spindle whorls, tools made of animal bone for cutting and piercing and stone implements. This soil level revealed also animal bone and hearths.

*Horizon II* A cultural layer rich in artefacts was seen at and below a depth of 0.9-1.1m from the ground level at both Excavation Sites.

*Horizon III* The cultural layer at a depth between 1.05m to 1.3m consisted of an ash-rich soil stratum. Remains of circular, oval and rectangular structures constructed of mud were visible in this stratum. It also contained kiln and hearth debris and storage pits. Rich archaeological material consisting of stone, bone and ceramic artefacts was recovered from this depth. Pottery ware comprised fragments of pots of different colours and forms, spindle whorls and perforated ceramic objects of unknown function. The bones found were cutting and piercing tools as well as animal figurines made of small cattle and poultry bones. The stone assemblage largely consisted of farming tools, querns and handstones, mortars and pestles and pounding tools. In addition the cultural layer contained animal bone more frequently encountered below a depth of 1m. Cattle bones were found between 1m to 1.3m. Below this depth the proportion of cattle bones increased at both Excavation Site I and Excavation Site II.

### **Horizon I Major Characteristics**

Structural remains and hearths were exposed in the upper horizon up to 1m depth of the excavation site. Floor remains and hearths were found at a depth of 0.6-1m from the ground level in particular. A survived floor made up of river-rounded stones was visible at a depth of 0.6m in Quadrate IVa, Excavation Site I. These floor remains were 0.5-0.6m wide by 1.1m long south-north. The central part of the floor remains was damaged during initial site preparation for the pipeline construction.

Floor remains were uncovered in the upper horizon of the settlement site at a depth of 70-90cm in Quadrates IX and X, Excavation Site I. The floor remains exposed in Quadrate IX measured 0.8m in length and 0.5m in width, while that in Quadrate X was 0.9m long by 0.55m wide. Digging at Excavation Site II had not revealed any remains of a floor covering until after a depth of 1m was reached. As stated above only hearths were hit in this upper horizon. Traces of domestic fires were exposed in Quadrates X and XI, Excavation Site I. These hearths were individually identified and numbered.

The pottery ware recovered from the upper Horizon I was not different from that found in lower horizons in both date and fabrication technique.

**A Hearth** was revealed at a depth of 85cm in Horizon I of Quadrate XI, Excavation Site I. This feature, 0.8m long by 0.65m wide, was rectangular and 12cm thick. There was a 5-6cm thick ash layer on and around the hearth. When the ash layer was removed it became clear that the soil under the hearth was dark red by long exposure to intense heat. The hearth contained heat-affected pottery sherds and animal bones and around it there were stone tools for pounding and crushing, ceramic fragments and a bone object.

The 10cm thick ash layer over the hearth covered a larger area of 1.2m by 1.3m and contained animal bone. The ash accumulated around the hearth indicated that it had been in use for a long time.

The thickness of Horizon I at Excavation Site I varied from quadrate to quadrate. In some of the quadrates it was 1-1.1m thick, while in others it was 90-95cm thick.

Although the main cultural layer in Quadrates Ia, Ib, I, VI, VII and VIII represented by structural remains of Horizon II was exposed at a depth of 1.1m, the depth outside this feature was 90-95cm. The major reason was that the structures were semi-pithouses and the area of the settlement gradually enlarged with the growth in households.

In general, the 0.9-1m depth below the ground level was less rich in artefacts compared to those contained in the lower layers. In addition the soil down to that depth was very hard, clayey and gravely which suggested that the settlement was mud flowed several times due to climate changes. Most likely during floods the inhabitants moved to Boyuk Kasik Settlement II located on

a slight elevation nearby. After the floods retreated the villagers returned to occupy the area seasonally without building permanent houses. This reasoning is largely supported by the results of digging at Excavation Site II. The cultural layer down to a depth of 70cm at Excavation Site II produced various artefacts – pottery shards, animal bones, perforated ceramic objects, stone implements and other finds. In some of the quadrates the depths between 70cm and 90cm produced very scarce archaeological material. It even looked as if the cultural layer could not be traced further down; however further digging revealed an ash-rich soil layer below a depth of 90-100cm. It is assumed that the 20-25cm thick clayey and gravelly soil layer with almost no artefacts contained is the result of a mudflow.

## **Horizon II**

### **Major Characteristics**

Horizon II of the settlement site exposed at 1-1.3m depth was extremely rich in terms of features and artefacts found. Oval shape and rectangular structural remains, hearths, storage pits and a range of artefacts including pottery ware, stone tools and bone objects were revealed at this depth at both Excavation Site I and Excavation Site II.

Six graves with children buried in ceramic pots were exposed at a depth of 1.1-1.3m. Five of them were uncovered at Excavation Site I, one was exposed at Excavation Site II.

### **Structural Remains**

Remains of oval and rectangular mud-walled structures were visible in this horizon. These were located in Quadrats Ia, Ib, VI, VII and VIII (Figure 1).

**Structure I.** This had a rectangular shape and consisted of a single room built of clay mortar (Figure 1; Photo 3). The structure with 20-30cm high survived walls was exposed at a depth of 20-30cm. The south-east wall of the room was 42cm thick with the thickness of the other three walls being 52cm. Precision was not observed during construction. Therefore the inner dimensions of the room were different: 3.15m in the south-east, 2.7m in the south-west, 3.6m in the north-west, and 2.95m in the north-east. The 72cm wide entrance to the room was in the north corner of the north-west wall of the dwelling. There was a stone floor, 1.1m long by 0.75m wide, presumably intended as an entrance pavement.

A storage pit and a hearth were found inside the structure. The storage pit was against the south-eastern wall of the room with the adjoining side being straight and the rest relatively elongated and oval. The storage pit cut through the floor of the house was 0.72m long by 0.54m wide. The pit contained pieces of pottery, animal bone, cereal residue, etc. The hearth (Hearth 1) was exposed by the north-west wall of the room. It was largely oval, 56cm in diameter, with the side adjacent to the wall being straight.

Remains of Structure I produced rich archaeological material – pottery, stone implements and other artefacts. Of particular interest is an intact copper dagger found at 1.15m depth. Wheat residue was detected in the soil around the dagger. Remains of Structure I contained also plant tempered pots of various forms and colours and pounding tools skilfully chipped out of river stones. Two of the pounding tools were found in one spot. Their tips at both ends were heavily worn out because of long use.

**Structure II.** Structure II was exposed in the extended sections of Quadrates VI and VII. The feature was constructed of clay mortar and had a circular shape. (Figure 1). Clayey and limy soil was used for the wall construction. Structure II was unearthed at a depth of 1.1m. The walls survived to a height of 18-20cm and were 35-48cm thick. The entrance to the room was on the south-east side and measured 51cm in width. The south-west side of the structure was somewhat straight, the rest was oval. The structure was 2.3m long by 1.7m wide from the entrance side. The interior of the structure contained an ash-rich soil layer. When this layer was removed pieces of pottery, stone tools and bone artefacts became visible. Cattle bones were also detected.



Remains of a two-room structure were uncovered in Quadrates VII and VIII of the site. To distinguish them, these remains were numbered as remains of Structure III and remains of Structure IV. These remains were linked to each other in an oval form.

**Structure III.** The feature exposed at 1.1m depth had survived to a height of 20-22cm and a width of 40-50cm. The 40cm wide entrance was on the western side of the structure. The room was 3.5m long east-west with the maximum width in the central part being 3.4m. There was a passage to the adjacent Structure IV (Figure 1; Photos 1, 2).

The structure was constructed of lime tempered clay mortar. The floor inside the remains consisted of an ashy soil layer. The interior produced rich material – pottery, stone tools and animal bones.

**Structure IV.** These constituted the major portion of structural remains. The structure was also built of clay mortar. White clayey soil was used in the construction of the structure. The remains were unearthed at 1.1m depth and survived to 20-25cm height and 40-50cm width. The room in the south-east part of the structure measured 3.8m in length and 1.7m in width. The entrance door on the north-eastern side was 56cm. There was a passageway to Structure III. On the left-hand side of the passageway, against the south-west wall of the structure was a hearth. The side of the hearth adjacent to the wall was straight, while that adjoining the passageway was oval. The hearth was intended for heating both structures, therefore the passageway was chosen as the most appropriate location for it. The passageway was 50cm wide (Figure 1; Photos 1, 2).

The floor material of the structure was ashy soil containing rich archaeological material, including 38 complete flint blades and their remnants found on a patch of ground of 20cm by 20cm.

Like other structures Structure III and Structure IV were also built of clay mortar. The difference was the presence of 11-15cm diameter post-holes on the structure walls.

The material recovered from inside and around the structural remains included flint sickle teeth and cutting tools, stone farming implements, pottery pieces, a variety of domestic items of various shapes and sizes made of animal bone, copper slag mixed with clay and faunal remains.

**Structure V.** This structure was located 20cm to the east of the remains of Structures III and IV (Figure 1). It should be noted that these structural remains could not be fully cleared out as they extended beyond the north-east wall of the excavated quadrat. The size of the unearthed area was 2m south-north by 3.1m east-west. Similar to Structure I there was a kiln in the west facing section of this structure. The entrance located on the south-east side of the structure was 1.55m wide. The floor material consisted of an ashy soil layer. Rich archaeological material was retrieved from the interior of the structure – pottery fragments, stone implements, bone objects and animal bones.

## **Hearths**

Excavations revealed the presence of hearth debris in various quadrats of Excavation Site I. These were largely encountered within or around structural remains.

**Hearth 1** was detected inside the remains of Structure I, against its north-west wall. The wall-adjacent edge of the hearth was straight with the opposite side being oval. It could be presumed that the hearth was used for food preparation and heating. This view is supported by bone remnants and pieces of pottery found inside the hearth. The hearth measuring 55cm in diameter and 20cm in thickness was exposed at 1.15m depth.

**Hearth 2** was exposed at a depth of 1.15m in Quadrate VI. This circular shape hearth, 1.2m in diameter and 10-15cm thick was located close to the north-east wall of the quadrat. Two circular objects measuring 47-48cm in diameter and 5-6cm in thickness were found inside the hearth. These objects resembling clay disks for bread-making were severely affected by heat. In addition, the hearth produced heat affected pottery pieces.

## **Kilns**

Two kiln remains were found at Excavation Site I.

**Kiln 1** was discovered in Quadrate Ia, to the left of the juncture of the south-east and south-west walls of Structure I. This feature, 1.3m long by 0.6m wide had a 6cm diameter air inlet on its southern side. The kiln had an elongated shape and was constructed of clay. The clay had acquired a dark-red colour from heavy heating. Flint sickle teeth were recovered from inside the kiln. The kiln survived to 12cm height was probably intended for pottery making. Locating the kiln near the structural remains was aimed at making its operation easier. It should be noted that kiln remains or hearths or storage pits were largely found either within structural remains or in their immediate vicinity.

**Kiln 2** was exposed 20cm north-east of the structural remains in Quadrate VIII, on the west side of Structure V. The feature measuring 2m in length and 1.55m in width was facing south-east. The front part of the kiln was neatly paved with cobblestones for a length of 55cm along the entire 1.55m width of the feature. The top and lateral sides were plastered. After the top was measured and removed it became clear that although the kiln looked rectangular, its interior had a circular shape. The walls were 45-50cm thick with the inner diameter being 1.3m. One side of the kiln was adjoining the south-west side of Structure V located in the north-east section of the excavation trench. There was an unplastered spot of 80cm by 40cm in the central part of the kiln. This extended towards Structure V and was thought to be a pot firing area. After removal of the wall a stone setting was uncovered under it at a depth of 1.45m. This set of small river-rounded stones measured 25cm in diameter. Beneath, at 1.6m depth a 30cm long horizontal hole was detected. The end of the hole within the kiln was 15cm in diameter while the diameter of its end outside the south side wall of the feature was 6cm. A patch of fire-blackened ground, 1.2m in diameter and 70cm thick was visible on that side of the kiln. There was a thick ash layer covering both the floor of the kiln and the pots found in front of the feature. When cleared large quantities of artefacts were recovered from the ash layer - animal bones, pottery pieces, spindle whorls, bone awls, fired chunks of clay and other archaeological material.

## **Storage Pits**

Horizon II at Excavation Site I produced 9 storage pits.

**Storage Pit 1** was exposed within the remains of Structure I in Quadrate Ia. The feature was adjacent to the south-east wall of Structure I with the adjoining side being straight and the rest relatively elongated and oval. The storage pit cut through the floor of the house was 0.72m long by 0.54m wide. The pit contained pieces of pottery, animal bone, cereal residue and a relatively intact pot that yielded measurements. The 7.5cm high pot was 6.7cm in body diameter, 3cm in base diameter and 4.5cm in mouth diameter.

**Storage Pit 2** was found at a depth of 1.3m at the baulk of Quadrates Ia and I. As portion of the pit extended beyond the quadrat boundaries the feature could not be fully cleaned. However it was possible to measure the diameter of the pit which was up to 1.2m. A layer of ash, 50cm in diameter was exposed inside the pit. Fired pot fragments and animal bones including a cattle thigh-bone were recovered from this layer.

**Storage Pit 3** was located at 1.3m depth in Quadrate I and was adjacent to Storage Pit 2 on its north-eastern side. The storage pit was 1.17m in diameter and 50cm deep. The pit fill largely consisted of an ash-rich soil layer. When cleaned the pit produced varied pottery pieces, charcoal and animal bone. A pile of small ceramic pieces covering an area of 40cm by 30cm was seen within the pit.

**Storage Pit 4** was also exposed at 1.3m depth in Quadrate I. It was located 40cm away from Storage Pit 2. Like Storage Pit 2 this pit could not be fully cleaned as portion of it extended beyond the quadrat boundaries. The diameter of the pit was 1.4m. The pit fill was largely ashy material and contained pottery pieces and animal bone.

**Storage Pit 5** was uncovered at 1.3m depth in Quadrate IVb. The pit was 2.35m by 1.95m and 80cm deep. There was a 1.15m wide stepped entrance on its south-western side. The height of the first step at 55cm depth was 25cm, the height of the second step was 15cm.

**Storage Pit 6** was located at a depth of 95cm in the southern corner of Quadrate IVc and measured 70cm in diameter and 55cm in depth. The pit fill consisted of an ash-rich soil layer that contained animal bone and pottery pieces.

**Storage Pit 7** was cleared out at a depth of 1.2m in Quadrate V. It was 1.05m in diameter and 60cm deep. After the ashy fill of the pit was removed small bovid bones and fragments of plant and sand tempered ceramic pots of a grey, light black or light red colour were seen.

**Storage Pit 8** was opened up at 1.2m depth at the balk of Quadrates IX and X. This oval shape feature was 1m long by 50cm wide and 30cm deep. Pottery pieces and animal bone were contained in the pit fill.

**Storage Pit 9** was also exposed at the balk of Quadrates IX and X and was also ovally shaped. It measured 1.2m in length, 80cm in width and 50cm in depth. Animal bones and ceramic pieces were recovered from the pit.

### **Horizon III, Excavation Site I**

Horizon III of Excavation Site I was reached at 1.3m depth and went down to a depth of 1.5m. This horizon contained structural remains, storage pits and a hearth (Figure 2). The artefacts found included stone implements, pottery, bone objects and animal bone.

#### **Structural Remains**

At a depth of 1.3-1.35m the nature of structural remains changed. Evidence of wall remains were found at 1.3m depth in Quadrate VIII below the remains of Structure IV of the overlying Horizon II. The wall was 1.7m long by 35cm wide and 20cm high.

#### **Hearth**

**Hearth 1** was exposed at a depth of 1.15m in the extended section of Quadrate VII outside the south-east wall of Structure II and close to the entrance of Structure III. The hearth was rather large measuring 1.3m east-west and 1.8m south-north and was 20cm thick. The hearth area contained pottery sherds, animal bone, a bone awl, flint sickle teeth and various blades.

#### **Storage Pits**

**Storage Pit 1** was unearthed at a depth of 1.3m in Quadrate IVc. It was 60cm deep and had 3 chambers. The chambers were oval. Chamber I was 1.6m by 1.8m, Chamber II was 1.9m by 2m and Chamber III was 1.4m by 1.2m. The distance from the surface to the bottom of the pits was 1.9m. The feature had a 1m wide two-stepped doorway on its north-east side. Each step was 30cm high. The pit fill was grey ashy soil. Pottery sherds, stone tools and animal bone largely represented by thigh-bones and ribs of cattle came from the pit.

**Storage Pit 2** was excavated at a depth of 1.3m in the extended section of Quadrate VI. The pit was 2.85m by 2.6m and 1m deep. The pit fill was an ashy substrate of a greyish colour. The pit produced pottery sherds, stone tools and animal bones mostly from cattle.

**Storage Pit 3** was found at 1.3m depth in Quadrate VI. The pit measuring 80x75cm in diameter and 73cm in depth contained pottery sherds, animal bone and stone objects.

**Storage Pit 4** was located at a depth of 1.3m in the west corner of Quadrate VI and measured 1.5m in diameter and 1m in depth. The pit fill consisted of an ashy soil layer. When cleared out this layer produced pottery sherds, animal bone and stone implements. Animal bones were largely represented by cattle thigh-bones and ribs.

**Storage Pit 5** was located at 1.3m depth at the balk of Quadrate VIII and IX. The pit could not be fully cleared out as it extended beyond the confines of the quadrat. Nevertheless it yielded measurements. It was 1.1m in diameter and 55cm deep. Animal bone and pottery sherds were contained in the pit.

### **Horizon IV, Excavation Site I**

Horizon IV starts at 1.4m-1.5m depth from the ground surface. Hearths, structural remains, storage pits and post holes were detected within this horizon (Figure 3).

#### **Structural Remains**

Structural remains were encountered at a depth of 1.5m in the west facing section of Quadrate Va. Six holes were cleared out in a 2.9m long bow-shaped area. The holes were 13-15cm in diameter and 20-25cm deep. It is thought the holes were intended for the same size poles and the area between them were then tightly wattled with reed and daubed. Unlike semi-pithouses these were above-ground structures. The post holes were dug in the natural layer – the lowest layer excavated at Excavation Site I.

It could be assumed that initially the settlement consisted of above-ground structures – wattle and daub houses. During later phases of occupation semi-pithouses and mud wall constructions were used.

#### **Hearths**

**Hearth 1** was located at the balk of Quadrates Va and V. This elongated oval shape feature was exposed at a depth of 1.45m. The hearth was 1.7m long east-west and 80cm wide at its widest westernmost end and 40cm wide at its easternmost narrow end. The hearth floor was covered with a 15-20cm thick ash-rich layer. It contained mouth and body fragments of large storage jars, sherds of small pots, clay spindle whorls and three- and four-faced flint sickle teeth. In addition large and small bovid bones were found.

**Hearth 2** was exposed at a depth of 1.4m against the western wall of Quadrat V. This was a small hearth, 30cm by 40cm and 15cm thick. Pottery pieces and small bovid thigh-bones were found when cleaning the hearth floor.

**Hearth 3** was located at the balk of Quadrate VI and Quadrate VII. This oval shape hearth was exposed at 1.3m depth and was 2.5m long east-west by 1.2m wide north-south. The hearth floor was covered with an ash layer that contained pottery sherds, flint blades and sheep and goat bones.

**Hearth 4** had an oval shape and was detected in the extended section of Quadrate 1a, on the south-west side of Structure I. This 45cm long by 41cm wide feature had fire-reddened sides and

base and was first visible at a depth of 1.4m. The hearth fill consisting largely of ashy ground produced pottery sherds and two flint blades.

### **Storage Pits**

**Storage Pit 1** was uncovered at 1.5m depth in Quadrate V. It measured 1.5m in diameter and 55cm in depth. The pit fill consisting of an ashy soil layer was removed and pottery sherds, stone tools and animal bones were recovered from the pit.

**Storage Pit 2** had a conical shape and was found at the balk of Quadrate V and Quadrate VI. The pit uncovered at a depth of 1.5m measured 1m in mouth diameter, 1.55m in base diameter and was 60cm deep. The distance from the ground surface to the base of the pit was 2.1m. Pottery pieces, stone implements, cattle bones, bone objects were recovered from the greyish soil layer in the pit.

## **EXCAVATION SITE II**

### **Horizon II**

Work at Excavation Site II yielded rich archaeological material. Hearths and storage pits were contained in the upper, 1-1.05m thick cultural layer. The artefacts recovered from this layer included varied pottery sherds, bone objects and stone tools.

Excavation at a depth of 1m to 1.3m revealed structural remains, hearths, storage pits and a range of artefacts. Remains of 12 structures were recorded in this layer (Figure 4; Photos 4, 5, 6).

### **Structural Remains**

**Structure 1** was located in the north-east section of the excavation site, in Quadrates 7d and 7e (Figure 4. No. 1). The structure of an oval shape had mud walls, 25-30cm high and 40-55cm wide. There were 10-12cm diameter cavities, presumably post holes on the wall. The construction fairly well preserved had an entrance, 2.9m long by 2.35m wide on its southern side. The pit had an ash-rich fill containing pottery sherds, cattle bones and other archaeological material. A hearth was revealed inside this structure.

**Structure 2** was located at the balk of Quadrate 7c and Quadrate 7d (Figure 4. No. 2). This elongated rectangular feature was 3.9m east-west by 1.45cm north-south. The walls measured 50-55cm in thickness and 20-25cm in height. There were 28-35cm diameter and 12-15cm deep holes, presumably post holes on the end of the northern wall close to the entrance of the structure. The ash-rich soil layer inside the structure produced pottery sherds, stone implements, including flint and obsidian blades and bone objects.

**Structure 3** was exposed in Quadrates 8d and 8e (Figure 4. No. 3). The structure constructed of clay mortar had a rectangular shape and measured 25-276cm in height. The wall thickness varied: the south-west wall was 42cm wide, north-west wall was 50cm wide and north-east wall was 48cm wide. No wall remains were detected on the 3.2m long south-east side which implied the entrance was on this side of the structure. The feature was 3.35m long northeast-southwest by 2.5m wide southeast-northwest. The floor of the structure was covered with an ash-rich soil layer and produced pottery sherds, cattle bones and other objects. The main entrance to Structures 4, 7 and 8 was through Structure 3 via its entrance on the north side, 60cm in width.

**Structure 4** was uncovered south-west of Structure 3 (Figure 4. No. 4). The walls of this elongated structure were up to 25cm high, the wall width varied: the west wall was 48-50cm wide, the south and south-east walls were 34-36cm wide while the north-east wall was 42cm wide. The feature, 3.2m long northeast-southwest by 1.52m wide southeast-northwest was exposed at the balk of Quadrates 8c, 8d, 9c and 9d. The entrance on the north-east side of the

structure was 1.04m wide. Remains of a roughly oval hearth of 1.05m by 0.65m were exposed within the debris of this structure which also contained pottery sherds, animal bone, stone implements and various cutting tools.

**Structure 5** was excavated in Quadrate 9c to the north of the remains of Structure 4 (Figure 4. No. 5). The height of the mud walls of this rectangular structure varied between 26 and 30cm, the north-east wall was 40cm wide, the width of the remaining walls being 35cm. The structure was 2.9m long northeast-southwest by 2.4m wide southeast-northwest. The width of the entrance on the south-west side was 55cm. The ashy soil layer inside the structure contained pottery pieces, animal bone and other archaeological material.

**Structure 6** was excavated in Quadrate 9d on the north-east side of Structure 5 (Figure 4. No. 6). This rectangular mud-walled structure was separated from the remains of Structure 5 by a division wall measuring 25-28cm in height and 40-45cm in width. Post holes, 11-12cm in diameter and 7-8cm deep were recorded – two holes on the south-west wall, one hole on the east wall and two holes on the north-east wall. The structure was 1.25m wide by 2.45m long northwest-southeast and had a 45cm wide doorway on its north-east side. The ashy fill of Structure 6 contained pottery sherds and animal bone.

**Structure 7** was excavated in Quadrate 9d on the north-east side of Structure 6 (Figure 4. No. 7). There was a division wall between Structure 6 and Structure 7. The survived height of this rectangular mud-walled structure was 25cm. The width of the south, south-west, west and north-east wall was accordingly 32cm, 45cm, 50cm and 25cm. A cavity, seemingly a post hole, 12cm in diameter and 10cm deep was seen on the north-east wall of the structure. The feature was 2.3m long northeast-southwest by 1.7m wide southeast-northwest. The doorway on the north side of the structure was 45cm. The ashy soil inside the structure produced pottery sherds, animal bone and stone tools.

**Structure 8** was located to the north of Structure 7 (Figure 4. No. 8). It had elongated shape and was constructed of clay mortar. Opposite the structure there was a rectangular corridor. The entrance to the corridor was from the west, whereas that to the structure was from the south. There was a division wall between Structure 7 and Structure 8. The corridor measured 92cm northeast-southwest by 1.9m southeast-northwest. The entrance to the corridor was 50cm wide. The walls of the structure survived to 25cm height and 32-40cm width. There were post holes, 12-15cm in diameter and 8-10cm deep on the west and east walls, two on each wall. The feature was 2.8m long south-north by 1.6m wide east-west. The doorway into the corridor from the southern side of the structure was 75cm wide. The floor of the structure was covered with ash-rich substrate that contained pottery pieces, stone implements, cutting tools and small bovid bones.

**Structure 9** was located in Quadrates 9e and 9f east of Structure 8 (Figure 4. No. 9). This elongated rectangular feature represented a mud-walled structure consisting of two sections. The walls survived to 25-27cm height and 40-50cm width. The first quadrangular section – either a room or passage – against the doorway in the southern part of the structure in Quadrate 9f was 1.7m long by 1.6m wide. The second section in the northern part of the structure was 3.05m long north-south by 1.2m wide east-west. The width of the entrance to the structure was 60cm whereas that of the interroom passageway was 70cm. The passageway floor was paved with cobblestones. The structure had an ashy fill containing pottery sherds, stone tools and bone objects.

**Structure 10** was located in Quadrates 7f (Figure 4. No. 10). This mud-walled structure was not fully cleared out because it extended beyond the north and north-west boundaries of the quadrat. The exposed portion of the feature was 3.3m long by 2m wide. The width of the entrance was 70cm. The walls were 28-32cm wide and 25-27cm high. Pottery pieces, perforated ceramic objects and animal bone were retrieved from among the structural debris.

A child jar burial was uncovered at a depth of 1.2m on the south-east side of Structure 10. The burial yielded no archaeological material. It should be noted that only one jar grave was discovered at Excavation Site II. Like the other burial jars found at Excavation Site I this jar was lying on its side and had north to west alignment.

**Structure 11** was located east of Structure 9 at the balk of Quadrates 9e, 9f, 10e and 10f (Figure 4. No. 11). This oblong oval structure had an entrance on its north side. The remains of this relatively well preserved structure were 3.2m long by 1.7m wide. The wall width ranged from 40cm to 45cm, survived height was 23-25cm. A segment of the wall, 1m long by 70cm wide extended to the direction of the remains of Structure 12. The fill material inside the structure was ashy soil that contained pottery sherds and animal bone.

**Structure 12** was located at 1.3m depth at the balk of Quadrates 10d, 10e and 10f with the larger part of this triangular feature falling within Quadrate 10e. (Figure 4. No. 12). This was a three-walled structure with the following dimensions: north wall – 4.4m long by 40-45cm wide; west wall – 3.2m long by 45-50cm wide; and south-east wall – 1.2m long by 30-35cm wide. In addition remains of a 1m long wall were exposed north of this structure. The interior of Structure 12 was 3m long by 2.2m wide.

Remains of three more walls extending in the north and south directions from the west side of Structure 12 were uncovered. One wall extended from the west side of the northern wall of Structure 12 and joined the remains of Structure 11. The wall was 2.2m long by 80cm wide at the point of connection and 45cm wide close to Structure 12. A second wall had the same alignment running parallel west of the first one. This measured 2m in length and 45-50cm in width. A third wall measuring 1.4m in length and 45cm in width extended south-west (Quadrate 10d) from Structure 12. A segment of one more wall, 1.9m long by 45cm wide joined this third wall at a perpendicular angle east to west. This mud-walled structure produced rich archaeological material including pottery sherds, bone objects and stone implements. Eight perforated ceramic objects were found in a single dense group at a depth of 1.35cm within the remains of this Structure.

### **Hearths**

Hearths were found in almost all the quadrats of Excavation Site II. The shallowest deposits of this kind were encountered at 1.15m-1.2m depth.

**Hearth 1** was found at a depth of 1.2m within the confines of Structure 1. This was an oval shape feature measuring 95cm in length, 80cm in width and 20cm in thickness. The hearth produced an ashy fill containing pottery sherds and small bovid bones.

**Hearth 2** was located at 1.2m depth in Quadrates 7c and 8c. The hearth was 1.6m in diameter and 10cm thick. Circular patches of ash, 55-60cm in diameter were cleared out inside the hearth area. The ash layers contained pottery pieces and animal bone.

**Hearth 3** was found at a depth of 1.3m against the north-east wall of Quadrate 8f. It had an oval shape and was 95cm long east-west by 70cm wide north-south and 20cm thick. The hearth produced pottery sherds and small bovid bones.

**Hearth 4** was found at a depth of 1.25m in Quadrate 7c, 15cm away from its north-western corner. A hard, fire-blackened ash layer 80cm in diameter and 20cm in thickness was cleared out. The feature contained pottery pieces, cattle and small bovid bones and other material.

**Hearth 5** was exposed at a depth of 1.25m in Quadrate 8e. The hearth had an oval shape and was 1.5m long southwest-northeast by 1.3m wide southeast-northwest. Within the hearth area there was a 40-50cm diameter patch looking like hard fire-blackened clay. Pottery pieces and a goat horn were recovered from the hearth. The horn was 12cm long by 2cm wide with the maximum

width at its rear end being 3cm. Traces of rubbing were visible on one side of the horn. Pottery pieces and cattle and small bovid bones were recovered from the hearth.

**Hearth 6** of an oval shape was cleaned out at 1.3m depth in Quadrate 7e. It measured 1.1m northwest-southeast by 1m northeast-southwest. The hearth had a clay floor the central part of which was 9cm hollower than its edge. The hearth fill contained pottery sherds and animal bone.

**Hearth 7** of a circular shape was also cleaned out at 1.3m depth in Quadrate 7e. It was small, 45cm in diameter. The hearth fill contained pottery sherds and animal bone.

**Hearth 8** was exposed at a depth of 1.3m in Quadrate 8e. It was of an oval shape, 60cm southeast-northwest by 50cm southwest-northeast. The hearth had a 3cm thick clay floor the central part of which was 7cm hollower than its edge. The hearth fill produced a perforated, disk-like ceramic object, a sickle tooth and animal bone.

**Hearth 9** was located at a depth of 1.3m at the balk of Quadrate 7f and Quadrate 8f. It had an oval shape and measured 1.5m in diameter. With the 20cm long part of the hearth extending into Quadrate 8e the larger portion of the feature fell within Quadrate 7f. A set of small and medium-sized stones was visible on the hearth floor. Pottery sherds and cattle and small bovid bones were recovered from the hearth area.

**Hearth 10** was exposed in Quadrate 9e at 1.3m depth. It was roughly oval measuring 80cm in length and 70cm in width. When cleaned the 15cm thick ash layer produced pottery sherds and animal bone.

**Hearth 11** was cleaned out at a depth 1.3m in Quadrate 9e. It had an oval shape and measured 70cm in length, 65cm in width and 20cm in thickness. Animal bone and pottery pieces were contained in the floor material.

**Hearth 12** was discovered at 1.3m depth in Quadrate 9c. This was a circular feature measuring 2.6m in diameter and 20cm in thickness. When cleaned, the hearth floor produced pottery sherds, stone tools and cattle bones.

### **Horizon III, Excavation Site II**

Horizon III of the settlement site contained structural remains, hearths and storage pits (Figure 5). It should be noted that Horizon I of the site did not produce structural remains. These were discovered in Horizon II and Horizon III. Structural remains in Horizon II were found to be lying maximum at 1.3m depth. Below this depth new structural remains began to be traced.

#### **Structural Remains**

As distinct from structural remains in the overlying horizons those in Horizon III were poorly preserved. Their occurrence depth was between 1.3m and 1.55m.

**Structure 1** were exposed at 1.3m depth at the balk of Quadrates 7c, 7d, 8c and 8d. The survived part of this ovaly shaped feature measured 6.4m in length and extended from the north-east corner of Quadrate 7c up to the centre of Quadrate 8c. The wall thickness was between 50cm and 60cm, the height 22cm. Four more wall remains joined this structure from its lateral sides. One of these walls in Quadrate 7c had an oval shape and was 1.1m long by 35-45cm wide. A second one running from Quadrate 7d was 1.3m long by 20-30cm wide. A third wall was 1.5m long by 25-30m wide and a fourth wall extending from Quadrate 8c was 1.1m long by 30-45cm wide. The inside and outside of the feature contained ash-rich soil layer with pottery sherds, stone tools and animal bone.



**Structure 2** measuring 1.2m in length, 50cm in width and 22cm in height was exposed at 1.3m depth in the north-east corner of Quadrate 8c.

**Structure 3** was found at a depth of 1.3m in Quadrate 8d. The feature representing two juncture of two walls – one oval, the other straight survived to 25cm height. The oval wall was 1.95m long by 30-35cm wide, whereas the straight one measured 2m in length and 40-45cm in width. The length of the juncture was 1.5m. Pieces of ceramic pots and animal bones were recovered from around the feature.

**Structure 4** was exposed at a depth of 1.3m in Quadrate 10c. It had an oval shape and an entrance on its south-eastern side. The feature was 90cm wide by 1.3m long northwest-southeast. The wall width ranged from 40cm to 45cm, the height being 22-25cm. There was another wall linked to Structure 4. This ovally shaped wall was 2.6m long and joined the structure from its northern side. The inside and outside of the feature contained an ash-rich soil layer with pottery sherds, stone tools and animal bone.

### **Hearths**

**Hearth 1** was found at a depth of 1.2m in the north-west section of Quadrate 7c. It was 90cm in diameter and 20cm thick. The hearth fill was ash-rich soil containing pottery sherds and animal bone.

**Hearth 2** was located at 1.3m depth in Quadrates 7e. It was roughly oval, 1.1m wide by 1.3m long east-west and 25cm thick. The ash-rich soil in the hearth contained animal bone, stone tools and pottery sherds.

**Hearth 3** was found at a depth of 1.3m in Quadrate 7e. The feature measuring 40cm in diameter and 20cm in thickness produced sheep and goat bones.

**Hearth 4** was found at a depth of 1.3m at the balk of Quadrate 7e and Quadrate 8e. The diameter of the hearth was 60cm, the thickness being 25cm. Pottery sherds and animal bones were recovered from the hearth.

**Hearth 5** was exposed in the north-east part of Quadrate 7f. As the hearth extended beyond the limits of the excavation quadrat only half of the feature was exposed. The hearth was 1m in diameter and 23cm thick. Pottery sherds, animal bone and a three-faced flint sickle tooth were retrieved from the ashy fill of the hearth.

**Hearth 6** of an oval shape was cleaned out at 1.3m depth in Quadrate 8f. It was 1m long east-west by 60cm wide north-south and 20cm thick. Pottery pieces and animal bone were recovered from the ashy fill of the hearth.

**Hearth 7** was exposed at 1.3m depth at the balk of Quadrates 8d and 9d. The feature measured 1.1m in diameter and 25cm in thickness. Pottery sherds, two flint blades and one obsidian blade were recovered from within the feature.

**Hearth 8** was exposed at a depth of 1.3m in Quadrate 9c. The feature had an oval shape and was 80cm long north-south by 70cm wide east-west and 25cm thick. Pottery sherds and a stone object possibly used as a pounding tool were recovered from within the feature.

**Hearth 9** was located at a depth of 1.3m in Quadrate 9d. The hearth had an oval shape and measured 80cm southwest-northeast by 50cm southeast-northwest, and was 20cm thick. Pottery sherds and small bovid bones were recovered from within the ashy hearth fill.

**Hearth 10** was exposed at 1.3m depth at the balk of Quadrates 8e and 9e. It was 70cm in diameter and 20cm thick and contained ashy fill rich in pottery sherds and animal bone.

**Hearth 11** was cleaned out at a depth of 1.25m in Quadrate 9e. Diameter – 75cm, thickness - 20cm. Contained pottery sherds.

**Hearth 12** was found at 1.25m depth in Quadrate 10c. This small ovally shaped hearth was 60cm long north-south by 45cm wide east-west. The 15cm thick ashy fill contained pottery sherds.

**Hearth 13** was exposed at 1.3m depth in Quadrate 10d. It had a rectangular shape and was 50cm wide by 70cm long southwest-northeast. The 15cm thick hearth fill contained cattle bones.

**Hearth 14** was discovered at 1.3m depth in Quadrate 10d. This small oval shape feature measured 65cm east-west by 40cm south-north and was 15cm thick. The ash-rich soil layer produced pottery sherds.

**Hearth 15** was uncovered at 1.45cm depth at the north-east end of Quadrate 7f. It measured 1m in diameter and was 15cm thick. When cleaned out, a spread of pottery sherds and small bovid bones were visible on a patch of ground, 50cm in diameter.

**Hearth 16** was revealed at 1.4m depth, 40cm away from the north-west wall of Quadrate 9d. The feature had an oval shape and measured 65cm southwest-northeast by 55cm southeast-northwest. The hearth was 25cm thick and produced pottery sherds.

**Hearth 17** was exposed at 1.45m depth in Quadrate 7f. This 15cm thick oval shape hearth measuring 60cm south-north by 45cm east-west was relatively small and contained pottery sherds, animal bone and two flint cutting tools.

### **Floor Remains**

A stone setting resembling a floor was revealed in this horizon. Randomly paved cobblestones were exposed at and below a depth of 1.5m in Quadrates 7f, 8f, 8c, 9c, 10d and 10f.

**Floor 1** across Quadrate 7f and Quadrate 8f was 3m long by 1m-1.5m wide.

**Floor 2** extended across Quadrate 8c and Quadrate 9c was 6.5m long. The width ranged from 1m in Quadrate 8c to 1.3m-1.6m in the east facing section of Quadrate 9c with the 40-50cm wide central part falling within the west facing section of Quadrate 9c. Remains of a floor exposed in the north-east part of Quadrate 9c measured 12.7m in length and 75cm in width.

**Floor 3** Crescent-shaped remains of a floor in Quadrates 10c and 10d were 4.5m long by 1m-1.6m wide.

**Floor 4** in the central part of Quadrate 10f measured 1.4m in length and 90cm in width.

## Horizon IV, Excavation Site II

No features other than storage pits and hearths were encountered in this horizon. The storage pits in this horizon were larger than those exposed in the overlying horizons and richer in terms of artefacts (Figure 6).

### Storage Pits

**Storage Pit 1** was unearthed at 1.5m depth at the balk of Quadrates 7d and 7e (Figure 6, No. 1). The feature had an oval shape and measured 1m in depth. It was 1.6m long east-west by 1.4m wide north-south. The pit fill contained pottery sherds, animal bone, flint and obsidian sickle teeth, blades and other archaeological material.

**Storage Pit 2** was excavated at a depth of 1.5m in Quadrate 7d (Figure 6, No. 2). The pit, 1.2m long south-north by 1m wide east-west was oval and 50cm deep. The pit produced pottery sherds, perforated disc-shaped ceramic objects and other material.

**Storage Pit 3** was found at 1.5m depth at the balk of Quadrates 7d and 8d (Figure 6, No. 3). The pit had a circular shape and measured 1.6m in diameter and 60cm in depth. The major portion of the feature fell within Quadrate 7d. Pottery sherds, animal bone and a bone awl were contained in the pit fill.

**Storage Pit 4** was exposed at a depth of 1.5m in Quadrate 8d (Figure 6, No. 4). This feature of an oval shape measured 1.7m east-west by 1.55m north-south and was 30cm deep. Pottery sherds and animal bone were recovered from the pit.

**Storage Pit 5** was located at 1.5m depth at the balk of Quadrates 8c and 9c (Figure 6, No. 5). The pit could not be fully cleared out as it extended beyond the confines of the quadrats. Nevertheless it yielded measurements. The storage pit was approximately 2.5m in diameter and 35cm deep. Animal bone and pottery sherds were contained in the pit.

**Storage Pit 6** was unearthed at 1.5m depth at the balk of Quadrats 8c, 8d, 9c and 9d (Figure 6, No. 6). The pit was relatively large, 3.2m by 3.1m and 80cm deep. The pit fill contained pottery sherds, animal bone, perforated disc-shaped ceramic objects, bone objects and other material.

**Storage Pit 7** was excavated at 1.5m depth. This was a large pit and consisted of 4 chambers extending across Quadrates 9c, 10c, 9d and 10d with the core chamber located in Quadrate 10d. This 1.45m deep core chamber had steps and measured 4.2m northwest-southeast by 3.1m northeast-southwest (Figure 6, No. 7). The three other smaller pits adjoined the major pit from the north, east and west. The pit adjoining on the north measured 2m northwest-southeast by 1.7m northeast-southwest and was 40cm deep. The east pit was 1.4m long by 1.2m wide and 40cm deep. The west pit was 2.5m long north-south by 2m wide east-west and 50cm deep. The pit fill was ash-rich material with the underlying substrate consisting only of ash. The pit produced pottery sherds, perforated disc-shaped ceramic objects, animal bone, stone tools and bone objects.

**Storage Pit 8** was found at 1.5m depth in Quadrate 10e (Figure 6, No. 8). The pit measured 3.2m east-west by 2.6m north-south and 1.05m in depth. There were two steps on the west side of the pit. The first step was 1.8m long north-south, 60cm wide and 35cm high. The second step was 1.2m long north-south, 30cm wide and 20cm high. The ashy fill of the pit contained pottery pieces, animal bone, stone implements and bone objects.

### Hearths

**Hearth I** was located at 1.5m depth in the north-west part of Quadrate 7c (Figure 6, No. I). The hearth could not be fully cleaned as part of it extended beyond the excavated quadrat. The visible

portion was 2m in diameter and 15cm thick. Pottery sherds and animal bone were recovered from the hearth fill.

**Hearth II** was adjacent to the north-eastern wall of Quadrate 7f and could not be fully cleaned as part of it extended beyond the excavated quadrat (Figure 6, No. II). The hearth measured 80cm in diameter and 20cm in thickness. The ashy hearth fill contained pottery sherds.

**Hearth III** was located in the north-eastern section of Quadrate 7e. The feature was exposed at a depth of 1.5m and part of it extended to Quadrate 7f (Figure 6, No. III). The hearth had an oval shape and measured 1.6m north-south by 1.5m east-west and was 20cm thick. Pottery sherds and animal bones were recovered from the hearth.

**Hearth IV** was exposed at 1.5m depth at the balk of Quadrates 8d and 8e. The feature had an oval shape and measured 2.2m east-west by 2m north-south and was 20cm thick (Figure 6, No. IV). Pottery sherds and animal bones were recovered from within the ash layer in the hearth.

**Hearth V** was uncovered at 1.5m depth adjacent to Storage Pit 6 at the balk of Quadrates 8d and 9d. The feature was 2m in diameter and 30cm thick (Figure 6, No. V). Pottery sherds and animal bones were recovered from the hearth.

**Hearth VI** was cleaned out at 1.5m depth in the north-eastern part of Quadrate 9f. The hearth could not be fully cleaned as a small part of it extended beyond the excavation quadrat. The feature was 1m in diameter and 45cm thick (Figure 6, No. VI). Pottery pieces and animal bone were recovered from the ashy fill of the hearth.

**Hearth VII** was unearthed at 1.5m depth at the balk of Quadrates 9e and 10e. The north-east side of the hearth was straight, while the south-west side was semi-circular. The hearth measured 1.8m northwest-southeast by 1.1m northeast-southwest and 20cm in thickness (Figure 6, No. VII). Pottery pieces, animal bone, a bone awl and other archaeological material were recovered from within the ashy hearth fill.

## Graves

Excavation at Boyuk Kasik revealed the presence of six child pot burials in the lower cultural layers of the site. Three of these were excavated between the houses in the central part of the site (Nos. 1, 2 and 6) with the three uncovered in the westernmost periphery of the settlement (Nos. 3, 4 and 5). Jars, kheyra- and cooking-pot-type vessels were used as burial pots.

**Grave 1** was exposed at a depth of 1.3m in Quadrate VI. A coarse ceramic burial jar was laid on its side with the mouth facing north-west. The skull was found near the mouth of the jar (Photos 7-10).

**Grave 2** was uncovered at 1.4m depth in the extended section of Quadrate VII. A large burial jar was aligned north to west. Here the skull of the child was also found close to the mouth of the jar facing the west. There was another jar placed upside down on this coarse ceramic burial jar. This was a wide-mouthed (61.5cm in diameter), rounded-based pot falling within the category of quality ceramics (Photos 11, 12).

**Grave 3** The burial was contained in a coarse ceramic cooking pot (Plate XI.10) which was placed upright and covered with a body fragment of a large storage jar. The fragment falling into the category of quality ceramics was tempered with fine sand and plants. It had a thin coat of plant tempered greenish angobe and was well fired to a red surface. A section of the fragment was smoothed so that it acquired the shape of an arch. This was assumed to have had some

correlations with funereal rites. A child skeleton in Grave 3 was buried on its right side tightly folded with the head facing west. The burial was excavated at a depth of 0.7m.

**Grave 4** The burial was also placed in an upright vessel covered by a body fragement of a storage jar (Plate XI.11). The burial was excavated at a depth of 0.7m, the skeleton was also found tightly folded but lying on its left side with the head facing north.

**Grave 5** was found at 90cm depth, 1.2m north of Grave 3 and Grave 4. A tightly folded child skeleton here was covered with a large (36cm in diameter) plant tempered kheyra-type pot. The vessel had a 4cm diameter hole pierced in the rounded base (Plate V.8). The body alignment could not be identified because the burial pot and the larger part of the skeleton were damaged by machines during pipeline trenching.

**Grave 6** was revealed at a depth of 1.3m in Quadrat 8f, Excavation Site II. The pot and the tightly folded skeleton inside were aligned north-west. The burial jar had a narrow mouth, globular body and rounded base (Photos 13, 14).

No burial goods were recovered from the graves.

- *Description of Finds*

### **Pottery**

Pottery is no doubt the major evidence for characterization of the Boyuk Kasik settlement site. The pottery wares recovered from late Eneolithic sites, including the Leylatepe settlement are divided by researchers into three groups according to their fabric, i.e. those made of: 1) plant tempered clay, 2) untempered clay and 3) clay, tempered with non-organic additives such as grit, sand or quartz (27. p.36). The first and second group of pottery ware fall into the category of quality ceramics, whereas the third group is considered to be coarse ceramics. Pottery of all the three groups was found at Boyuk Kasik site. It should be noted that one further group of ceramics was identified in the course of Boyuk Kasik excavations – this fourth group includes pots tempered with both plants and non-organic additives (39. p.13).

Pottery fragments of the first group prevail in quantity. These represent large jars, jugs, bowls and kheyra-type pots fired to a red, grey or brown surface. The majority of these fragments are coated with the same colour angobe on the outside. Some have angobe coats on both the outside and inside. Large storage jars are most often covered with light greenish angobe. In several instances quality ceramic ware has violet surfaces – the result of adding ochre to the wet clay. The number of such pots is small and they are largely kheyra-type vessels. Several of the funnel-mouthed jugs or jug-type pots have rims girded with a pair of grooves thumbed on their interior surfaces. Kheyra-type pots have outcurving rims. Kheyras with incurving rims are also encountered.

Pottery fragments of the second group were largely exposed in the lower horizons. These come from bowls and kuza-type pots well fired to a red surface and coated with red or pinkish angobe and well burnished. All of these are wheel-thrown pots.

Pottery fragments of the third group were encountered in all the horizons. These represent poorly fired chestnut brown vessels tempered with grit, coarse sand and, rarely, quartz. They are handmade with rough surfaces and form part of jars, jugs and kheyra-type pots. Some have obvious traces of soot on the surface.

The fourth group of pottery fragments were encountered in small quantities in all the horizons. Pots, tempered with plants and non-organic additives, are largely jugs, kheyras and, rarely, jars. They are chestnut brown and have angobe-coated well burnished surfaces.

Pottery fragments stratigraphic statistics have been collected for all the quadrates of Excavation Site II. The results are shown in the following table:

Depth	Plant tempered pots	Untempered pots	Pots tempered with non-organic additives	Pots tempered with plants and non-organic additives
0-30cm	375	9	292	170
30-50cm	337	18	216	75
50-70cm	169	59	107	29
70-90cm	109	28	52	44
90-110cm	429	20	427	125
110-130cm	1124	157	1110	100
130-150cm	2456	151	2377	309
150-175 cm	2207	107	960	73
<b>Total</b>	7206	549	5541	925
<b>Percentage</b>	50,6%	3,8%	38,9%	6,7%

As can be seen from the table, plant tempered vessels constitute a larger portion of all the pottery assemblage. Coarse ceramics rank second in terms of quantity, however the probability of breakage of such pots being high their factual percentage might be lower - around 28-30%.

The distinguishing attribute of the Boyuk Kasik pottery and those of Leylatepe Culture in general is that these are wheel-thrown plant-tempered pots that in most cases have rounded bases.

### Kheyras

These were found in large quantities (Plates I-V). They are of a red or pinkish colour and made of plant tempered clay. In a few cases the clay is tempered with both plants and non-organic additives. Coarse ceramic kheyras are infrequent. The majority of kheyras are angobe coated and poorly burnished both internally and externally. The pots of this kind differ from each other in depth, volume and rim shape. In general kheyras are different from all other types of pots in terms of rim shape. According to rim shapes kheyras can be divided into two groups.

**Group I** kheyras have plain rims with no internal or external projections. These commonly terminate pot bodies. Kheyras with upright but slightly incurving rims are also encountered (Plate I.1-7; Plate II.1, 4-6).

**Group II** kheyras have everted rims, sometimes with internal flanges. These were found in large quantities. The rims are largely of a round cross section, some have rectangular cross sections (Plate I.8-10; Plate II.2, 3, 7, 8; Plate III.1, 2, 5, 8-10; Plate IV; Plate V). Kheyras with oblique incurving rims are also found. In a few cases there are thin channel-like lines girding the central or lower parts of rims. One of such rim fragments has an incomplete channel-like line. The neatness of this incised line suggests it was not a manufacturing defect but was done on purpose. The pot also has an orifice drilled on its body after firing (Plate V.9).

One of the large deep kheyras made of untempered clay and well fired to a dark grey surface has an oblique incurving rim. The outer surface is well polished. The kheyra has a half-drilled hole attempted from the interior of the pot after firing (Plate III.10).

The rim of another large kheyra has a bulgy outer flange and is girded with thin lines on the inside. There is also a single line carelessly incised on the body prior to firing (Plate V.7).

One of the kheyra rims is girded with a bulgy line on the outside. This could be considered a rare case as no second such rim was found (Plate II.8).

The rim of a deep-sided kheyra gets thinner towards the edge and flares out horizontally (Plate III.9).

### Jars

These are divided into three groups: 1) narrow-mouthed, globular-bodied jars, 2) wide-mouthed jars, and 3) pear-shaped jars (Plates VI-VIII). Pear-shaped jars are chestnut-brown and the majority of these fall into the category of coarse ceramics. Other jars are made of plant tempered clay and fired to a red or orange surface. A portion of such pots are coated with greenish angobe. In several cases poor burnishing could be felt on shoulder and mouth fragments of jars. On some of such fragments traces left by a potter's wheel are visible.

Jars have largely rounded bases with funnel-shaped rims. The rim diameter of many large jars is closer or sometimes identical to that of their bodies (Plate VII.1-3). There are several jars with cylindrical necks (Plate VI.5).

Jars made of coarse clay are few and these do not display diversity of rim shapes. Plant tempered, high quality jars that were found in larger quantities are notable for the varying shapes of their rims and decorations applied. The majority of jars have everted rims with an abrupt transition to the neck forming an angle. Some of narrow-mouthed jars have rims with oblique external edges (Plate VI.8; Plate VIII.1).

Jars with thin bulgy rim edges are also recorded among the pottery assemblage (Plate VIII.5).

One of the jars with a wide flared mouth has a rim decorated with an internal channel-like groove. On the outside the rim terminates in a thin bulgy belt (Plate VII.3).

In some cases the interior surfaces of rims bear double channel-like grooves (Plate VI.7).

### **Jugs**

These are also divided into three groups according to their shape: 1) narrow-mouthed, globular-bodied jugs, 2) wide-mouthed jugs, and 3) biconical jugs. The first group of this pottery prevails. The rim diameter of jugs in the second group is sometimes the same with that of their bodies. Jugs in the third group have biconical bodies. Pots in all the three groups have richly decorated rims. In this sense they are similar to jars. Although smaller than jars, narrow-mouthed jugs are similar to the same group of jars. They have rounded bases and funnel-shaped rims. In many cases everted funnel-shaped rims have flanged ends.

One of the jugs with an everted flanged rim has a deep channel-like groove at the point between the rim and protruding shoulder (Plate XII.9).

Jugs with rims that have no projections are also encountered.

Some pots have rims with oblique slanting edges girded with a channel-like groove (Plate X.3).

The end of one of the funnel-shaped rims is bulgy at the point of transition to the shoulder (Plate X.1).

Another similar jug has a rim edged with a slight bulge (Plate X.7).

The edged end of one of the rims is girded with a bulgy belt (Plate XI.3).

One of the jugs is particularly worthy of attention. The rim of this pot is oblique on the outside. The central part of the neck is bulgy on both the inside and outside (Plate XIV.6).

The discovery of jugs with cylindrical necks is worth special consideration. The number of these is small. These jugs have flanged or flared rims (Plate IX.9; Plate XII.7-8; Plate XIII.6; Plate XIV.1-4). One of such jugs is made of sand tempered clay (Plate XIII.5).

Several neck and rim fragments come from thin-walled cylindrically necked jugs made of clay tempered with fine sand and fired to a red surface (Plate XIX.1-4). Their slightly bulgy rims have applied thumbed decorations. These oval or wheat seed-shaped patterns have vertical or right or left orientation and were applied to the outer surfaces and sometimes to the inner surfaces of rims prior to firing. It should be noted that these pots differed from the rest of the Boyuk Kasik pottery assembly in terms of shape, fabric and decoration style.

Jugs with double channel-like grooves on the internal surfaces of rims were also found (Plate IX.5).

One of the jugs has a rim the end of which is decorated with a channel-like line. Below this line the neck is girded with a thin bulgy belt (Plate X.5).

Thin-walled jug tempered with sand and fired to a red surface has a rim with a groove on its internal surface (Plate X.6).

Several of jugs have upright or widely flared rims with mouth and body diameters being almost the same (Plate XII. 4-6).

As a rule, byconical jugs have flanged rims (Plate IX.2).

Jugs with rims that are extensions of their bodies were rare finds. Such rims are usually edged with a thin bulgy strip (Plate IX.6).

### **Cooking-pots**

These were made in a plain style. Rim diameters are very close and sometimes identical to those of bodies (Plate XV.1-7).

One of the cooking-pots has an upright rim with a channel-like line on its outside surface (Plate XV.2).

Another cooking-pot has a slightly flared rim with a channel-like groove on its internal surface (Plate XV.7).

One more cooking-pot has a rim with a “hanging” lip (Plate XIV.4).

Several of cooking-pots have short bodies and wide mouths. The number of these is small. The rims are slightly flanged. Some of the pots of this type have biconical bodies. They are largely made of clay tempered with non-organic additives (Plate XV.8-11).

### **Bowls**

Pots of this type are made of untempered clay and fall into the category of quality ceramics. They are usually wheel-thrown and well fired to a red or pink surface. The surface is angobe coated and well burnished. They all have rounded bases but differ in body and rim shape (Plate XVI).

The number of bowls with widely flared rims is large. Some bowls have biconical bodies (Plate XVI.2, 4-7, and 9-12).

Several of the bowls have bodies cylindrical in the upper part (Plate XVI.3).

Another group of bowls have upright rims (Plate XVI.1, 13).

There are a few coarse ceramic bowls found. These have flat bases, thick walls and are coarsely executed (Plate XVI.8).

### **Kuzas**

These are almost similar to bowls in terms of fabric and colour. The majority of these pots were made of untempered clay on a potter's wheel and well fired at a high temperature. The surface of these thin-walled delicate pots is angobe coated and well burnished. They usually have high, funnel-shaped necks and rounded bases. In rare cases flat-based kuzas were encountered (Plate XVIII.7). According to neck shape high-necked kuzas can be divided into two groups. One group includes pots with an abrupt transition from the neck to the shoulder resulting in an angle between these (Plate XVII, 9; Plate XVIII.3, 6, 7, 8). Such kuzas have upright rims terminating the necks. The other group is characterized by kuzas that have a smooth transition between the neck and shoulder. The flared rims of such pots are in most cases slightly flanged (Plate XVII.1, 3, 4).

One of the kuza fragments comes from a pot made of untempered clay and well fired to a dark grey surface. The pot with a well burnished external surface has deep traces of potter's wheel on its internal surface (Plate XVII.10).

Coarse ceramic kuza-type pots made of clay with non-organic additives are also encountered but in small quantities. They have short necks, thick walls, flat bases and are commonly coarsely executed (Plate XVII.2, 5; Plate XVIII. 2, 4, 5).



## **Pans**

Pan-type vessels are represented by only one fragment of a chestnut colour. The piece comes from a large pan falling into the category of coarse ceramics. Judging by the fragment the pan had a flat base and straight walls with a series of holes perforated on its upper part prior to firing (Plate XVIII. 9).

## **Miniature Pots**

A few pots of this type were found (Plate XIX.5-7). These are 6-6.5cm in diameter. The mouth and base diameters coincide. The central part of their walls is slightly compressed. Two of these have rims curved both inside and outside (Plate XIX.6, 7). The top of the rims have channel-like undercuts. One of these rims has a pattern made up of two adjacent roundels applied with a thin tubular tool prior to firing (Plate XIX.6). The pots have rough texture and are of a red-orange colour. They are hand-made of pure untempered clay.

## **Perforated Pots**

These are represented by a range of fragments of perforated kheyra-, bowl- and jug-type pots made of plant tempered clay (Plate XXII.12-16; Plate XXIII). The pots were commonly perforated with a tool of a circular cross section prior to firing. Jug-type pots were perforated in the shoulder close to the neck. In most pots the holes were spaced in a row slightly below the rims. One of the kheyras has a different hole-to-hole spacing. The holes are spaced in two rows close to the base of the pot (Plate XXII.4). Two other pots display numerous randomly drilled holes. These fragments appear to reflect sieve- or strainer-type vessels (Plate XXII.16; Plate XXIII.7). On one fragment perforation process was deliberately stopped half way (Plate XXIII.6). One of the jug fragments has only one hole (Plate XXII.14). Probably, unlike kheyras and bowls the holes in jugs were not drilled along the entire circumference of the pots.

## **Pot bases**

Although most of these are rounded, fragments of pedestal-footed and flat-based pots are also encountered (Plate XX. 1-14). Pedestal-footed pots belong to the category of coarse ceramics and are of a dark grey colour (Plate XX.1, 4).

Only one of the flat-based pots was carelessly made of non-organic clay and poorly fired. This chestnut brown fragment is identical to Shomutepe Culture pottery for its archaic properties (Plate XX.5). Other fragments of flat-based pots fall within the category of quality ceramics and largely represent kuza-type vessels. One of these bears traces left by a potter's wheel (Plate XX.10).

## **Handles**

One handle fragment was found. This reflects the handle of a large, well fired, plant tempered pot falling within the category of quality ceramics. It is difficult to determine whether this small fragment of a round cross section was a lug-shaped symbolic handle or was attached to the pot by its other end. The presence of a hollow thumb in the central part of the piece before firing suggests it was most likely a lug-shaped handle.

## **Spouts**

One spout was found. It comes from a dark grey, plant tempered pot of quality ceramics. It is 4cm in length and 2.8cm in diameter.

## **Pot Decoration**

Pots were decorated using five different methods: 1) thumbing, 2) incising, 3) moulding, 4) painting and 5) burnishing. The number of decorated vessels is small. As mentioned above, the rims of some jugs and small pots are decorated with differently oriented thumbed hollows and roundels (Plate XIX). However these patterns cannot be considered typical of the pottery found at Boyuk Kasik. As shown above, the top of some rims have channel-like undercuts (XXII.10). In addition, *the traditional decorating technique* for the Boyuk Kasik pottery and ceramic artefacts from the Leylatepe Culture in general is *incision* of single lines, arched criss-cross lines or wheat seed-shaped ornaments on pots (Plate XXI). These decorations were commonly applied prior to firing. Some pots were decorated after firing. The majority of wheat seed-shaped and bow-shaped patterns are thumbed. Decorations are applied close to mouth, shoulder and base areas of pots. This technique was commonly used for decorating quality ceramics, i.e. plant tempered or untempered pots. The following is the list of pots with well preserved ornamentation:

1. Jug rim with a geometrical figure resembling a double triangle made up of criss-cross lines incised after firing. The fragment bears also a wheat seed-shaped pattern (Plate XXI.1).
2. Jug rim with two parallel lines incised on its interior surface (Plate XXI.2).
3. Fragment of a jug-type pot decorated with a wheat seed-shaped pattern (Plate XXI.3).
4. Fragment of a funnel-rimmed jug decorated with a straight line and adjacent wheat seed-shaped pattern on the shoulder (Plate XXI.4).
5. Part of a kheyra-type pot with a cross-shaped ornament (Plate XXI.5).
6. Fragment of the flat base of a kuza-type pot. It bears two criss-cross lines and a wheat seed-shaped ornament (Plate XXI.6).
7. Fragment of the flat base of a kuza-type pot decorated with a bow-shaped line and three wheat seed-shaped ornaments (Plate XXI.7).
8. Fragment of the flat base of a kuza-type pot decorated with a bow-shaped line and a wheat seed-shaped ornament (Plate XXI.8).
9. Fragment of the lower part of a kuza-type pot. Four adjacent wheat seed-shaped patterns are applied to the part of the pot near its base (Plate XX.9).
10. Fragment of a thick-walled pot decorated with a straight line and two wheat seed-shaped patterns (XXI.10).
11. Fragment of a thin-walled pot decorated with a straight line a wheat seed-shaped ornament (Plate XXI.11).
12. Fragment of a thick-walled pot decorated with a wheat seed-shaped ornament (Plate XXI.12).
13. Fragment of a thick-walled pot decorated with two slanting lines forming an angle and two wheat seed-shaped ornaments within this angle (Plate XXI.13).
14. Fragment of a thick-walled pot with part of a line preserved on the surface (Plate XXI.14).
15. Fragment of a thin-walled pot with part of a bow-shaped line and wheat seed-shaped ornament preserved (Plate XXI.15).
16. Fragment of a thick-walled pot with part of a bow-shaped line and wheat seed-shaped ornament preserved (Plate XXI.16).
17. Fragment of a thick-walled pot bearing three thumbed, vertically aligned wheat seed-shaped ornaments (Plate XXI.17).

*Pots with cone-shaped moulded decoration.* The number of these is not large. There are two coarse ceramic fragments with small cone-shaped moulded decorations (Plate XXII.6-7). In some cases moulded belt-like decorative strips gird pot rims entirely (XXII.8). Jug- and kheyra-type pots with such ornamentation have already been described above.

*Pots with painted decoration.* These include two fragments of bowl- or kuza-type vessels made of untempered clay. The entire surface of pots is painted dark red. In addition, there are pottery fragments with black or chestnut-brown painted decorations. This technique is used for both coarse ceramic and plant tempered quality ceramic pots. The following is the description of painted pots:

1. Fragment of a light grey, thick-walled vessel decorated with thin, black painted parallel strips applied vertically (Plate XXII.1).
2. Fragment of a light grey, thick-walled vessel decorated with a thick, black painted strip (Plate XXII.2).
3. Rim of a kheyra-type pot with a painted inner surface (Plate XXII.3).
4. Rim of a kheyra-type pot with a painted outer surface (Plate XXII.4).
5. Rim of a kheyra-type pot with a painted inner surface (Plate XXII.5).

*Pots with burnished decoration.* These are represented by a fragment of a dark grey jug-type pot falling within the category of quality ceramics. It is decorated with thin vertical burnished stripes (Plate XXII.9). Pots with burnished decoration have been known since the excavations of Maikop Culture sites (33. p.74-77).

### **Clay Tools and Objects**

Except for a portion of spindle whorls all of these fall within the category of quality ceramics.

***Spindle whorls.*** Twenty two spindle whorls were found at the Boyuk Kasik site. These red and dark grey spindle whorls are largely made of plant tempered clay. Several of them are made of clay tempered with both plant and non-organic additives. Eighteen spindle whorls were recovered from Excavation Site I; four spindle whorls were found at Excavation Site II. Only one spindle whorl found at Excavation Site II is made of untempered clay. The majority of spindle whorls were exposed below 90-100cm depth. The tools are nearly the same size, with the maximum diameter being 3.5-4cm (Plate XXIV).

According to their shape spindle whorls can be grouped as follows:

1. Biconical spindle whorls (Plate XXIV.1-4).
2. Semi-globular spindle whorls (Plate XXIV.5-15).
3. Cone-shaped spindle whorls (Plate XXIV.16-22).

Spindle whorls of the second group predominate. Both ends of tubular holes pierced in the centres of spindle whorls are of the same size. On one spindle whorl one end of the hole is smaller in diameter (Plate XXIV.9). In several instances one end of the hole is girded with a roundel (Plate XXIV.13).

***Spoon.*** One spoon-type clay object was retrieved from a depth of 1.5m in Quadrate 8d, Excavation Site II. This item of a red-grey colour was made of plant tempered clay. The edges in

some places are broken. The lower face is smooth and the handle is short. Two decorative patterns were applied to the lower face before firing – one is a wheat seed-shape ornament under the handle, the other is a short line on the other, broken end of the “spoon”. Its hollow part is not very deep. The function of this object was not clearly identified. It is thought possibly to have been used in founding (Plate XXV.5).

**Nails.** Two clay objects which might be conventionally called ‘nails’ were found during the 2005 excavation – one at 1.35m depth in Quadrate 8f, the other at a depth of 1.4m in Quadrate 8c. One object was 7-8mm in diameter with the length of the survived part being 3cm, the other measured 1.1-1.3cm in diameter and 3cm in length. One end of both objects was thinner than the other. The ‘nails’ were made of clay tempered with fine sand. One is well fired and red, the other is poorly fired and brown (Plate XXV.6, 7).

**Moulds.** One of the important finds recovered from Boyuk Kasik are clay moulds used in founding. Two fragments of moulds for casting various metal objects were discovered at the site. Both were found at Excavation Site II in 2005. One mould was recovered from a depth of 1.2m in Quadrate 9f. This mould of a grey colour is made of plant tempered clay. As the walls are relatively high the interior has a channel-like shape. The walls get thinner towards their edges. The outer surface of the mould is well burnished. The mould was 4.5cm wide by 2.3cm high. Being incomplete the original length of the object could not be accurately measured (Plate XX.15).

The second mould was recovered from 1.5m depth in Quadrate 8d. It was made of plant tempered clay and fired to a red surface. There were two short incised lines at the end of the opposite face of the mould. One side is slightly bulging outwards. This side is broken. One of the lengthwise sides is straight and smooth. The other lengthwise side and its end have a wall-shaped projection. The lengthwise side walls are delineated by an acute angle on the inside. The inner transition to a width wise side wall is smooth and slightly slanting. The outer surface of the mould gently widens towards its end. The mould has a shape typical of small stone axes of Eneolithic date (Plate XX.16).

**Stamps.** Two stamps-amulets were found. One was exposed at 90cm depth in Quadrate V. This pink pale stamp made of untempered clay has a semi-globular shape with a horizontal hole drilled on its bulgy side. An animal image was incised on the working face of the stamp prior to firing. It looks like an image of a goat (?) (Plate XXV.8). According to V. A. Kvachidze this is either a lion or dog image (12. p.110).

The second stamp was found at a depth of 1.45m in the extended section of Quadrate VII. This stamp is slightly flatter than the previous one. It is made of untempered clay and has black-brown stains on the surface. There is a horizontal through hole on its bulgy side. The image of a goat was incised on the working face prior to firing (Plate XXV.9).

**Anthropomorphic figure.** This was found at 1.45m depth near the above described second stamp in the extended section of Quadrate VII, Excavation Site I. The figure was made of untempered clay and well fired to a brown surface. There are two bulges in the central part which suggest it is a woman’s figure. The head is broken. The legs are not clearly outlined, the body is well-set and proportional. The lower part slightly widens. The base is flat to allow the moulded image to remain steady in the upright position. The survived part of the figurine is 5.3cm, the base diameter is 1.7cm (Plate XXV.1)

**Zoomorphic figure.** This was recovered from within an ash rich soil layer at a depth of 1.5m in the semi-pithouse excavated in Quadrate VI, Excavation Site I. The figure was made of untempered clay and fired to a brown surface. Both fore and hinder legs of the animal are stuck

together. The jaw and nose are slightly elongated, the ears and horns jut out to the sides. There is a hole on the right side of the neck. The figure is 3.4cm long by 2.7cm high. The shape of the figurine suggests it is a bull's image (Plate XXV.2).

**Disk-shaped objects.** These were found at different depths. Seventeen disk-shaped objects were recovered from Excavation Site I; twenty five were found at Excavation Site II. Their sizes vary, the largest ones are 7-8cm in diameter. These objects are commonly made of bodies of clay tempered pots. The majority of these have through holes in the centre. Some have half drilled holes (plate XXVI.6). On one object the hole was half drilled not in the centre but close to the edge (Plate XXVI.7).

A dense group of eight disk-shaped objects were found within the remains of Structure 12, Excavation Site II. Some coarsely executed disks also have central holes. All this suggests that the ideas these objects were used as spindle whorls cannot be accepted as true (1. p.75; 30. p.112).

**Wheel model (?).** One disk-shaped fragment is worth special consideration as it drastically differs from the rest for its fabrication technique. Unlike all the other disk-shaped objects made of bodies of pots, this particular piece was made of specially kneaded plant tempered clay and well fired to a pink surface. The surface is neatly polished. The 'disk' has a hole drilled in its centre prior to firing. The edges are relatively thinner than the central part. The function of this carefully made item is thought to be different from that of other similar items (Plate XXVI.15). Most probably, this item is a 'wheel model' typical of the late Eneolithic.

### Stone Assemblage

This includes quern stones, consisting of a quern and a handstone, pounding and crushing tools made of different stones, obsidian and flint blades and sickle teeth. Such tools were found at both Excavation Site I and Excavation Site II. Quern stones were made of narrow, elongated and sometimes large porous tufa stones of a grey or black colour. Excavation produced evidence that broken quern stones were used as padstones.

**Querns.** These are of different sizes. The quern found at a depth of 1.3m at Excavation Site I differs from the rest by its shape and large size. The base is flat to allow the quern to remain steady and secure during use, the upper working surface assumed the shape of a saddle as a result of long rubbing. This carefully executed basalt quern is 47cm long by 25cm wide. Thickness varies from 20cm at the front thick end to 10cm at the rear end (Plate XXVII.1).

A similar quern made of grey tufa was exposed in Quadrant VIII, Excavation Site I. There are traces of rubbing on the surface. The base was smoothed by chipping to allow the quern to remain steady. The survived fragment measures 9.5cm in length, 12cm in width and 3.5cm in thickness (Plate XXXVIII.1).

Some querns are made of black porous tufa stone. One of such querns has an oval base and flat working face. It measures 24cm in length, 22cm in width and 12.5cm in thickness (Plate XXVII.5).

Another quern made of black porous tufa is relatively large. It has an oval base and flat, slightly hollowed working surface. The quern is 20cm long by 12.5cm wide and 8.5cm thick. The quern was found in Quadrant Va (Plate XXVIII.3).

Two querns were discovered at 1.3m depth in Quadrant 9f. These were chipped out of dark grey porous tufa. The bases are oval, the upper surfaces are flat. What is of particular interest here is that both querns were reused as padstones after breakage. This is more evident in a relatively large quern that has a cavity in the centre of the oval side. This cavity is 5cm in diameter and 1.5cm in depth and shows that the tool was reused for a different purpose. The survived fragment is 18cm long by 13cm wide and 4cm thick (Plate XXVII.3).

Querns were also exposed at 1.3-1.6m depth at the excavation site. One of these is made of grey porous tufa. The base is oval, the working face is flat and smooth because of long rubbing. The quern is broken. The length of the survived part is 8cm, the width is 16.5cm and the thickness is 4.5cm.

A quern excavated in Quadrate VIII is made of a black, porous tufa stone. The base is oval, the upper working face is hollowed because of long use. Length – 19cm, width - 10cm, thickness - 5.5cm (Plate XXVII.6).

One of the querns made of black, porous tufa has a hole on its upper working face. This quern with one end slightly broken is assumed to have been reused for grinding spices. Dimensions: length - 22.2cm, width – 14cm, thickness - 6.4cm. The central 7cm diameter hole is 6.8cm deep (Plate XXVII.4).

**Handstones.** Handstones were found at both Excavation Site I and Excavation Site II. They are made of different materials and vary in size and shape. Several handstones are chipped out of black porous tufa.

The hand grip upper side of one of these is oval, the lower side is flat. The handstone is broken. The survived fragment is 7cm long by 5cm wide and 2.9cm thick.

Handstone with both sides used. The survived part is 8cm long by 7cm wide and 2.8cm thick.

Small handstone recovered from a depth of 1.3m in Quadrat 9f is made of grey porous tufa. The lower working surface is flat, the hand grip upper side is oval. Half of the tool survived. Dimensions: survived length - 9.5cm, width – 16.5cm, thickness - 4cm. There is a circular cavity, 2cm in diameter and 1cm deep in the broken part of the oval hand grip upper side.

Fragment of a handstone chipped out of yellow sandstone was recovered from 1.3m depth in Quadrat 7f. The lower working surface is flat, the hand grip upper side is oval. Dimensions: survived length - 10cm, width – 14.5cm, thickness – 9cm.

Handstone chipped out of a grey river stone is flat and has an elongated shape. As a result of rubbing the working surface is flaked off. Length – 15.5cm, width – 8.5cm, thickness - 3cm (Plate XXVII.2).

Broken handstone made of black tufa. Survived length – 7.2cm, width – 13cm, thickness – 5.2cm.

Broken handstone made of black tufa. Survived length – 5cm, width – 4.5cm, thickness – 3.5cm.

Small broken handstone made of black tufa was exposed at a depth of 1.5m in Quadrat 8d. The lower working face is flat, the hand grip upper side is oval. Dimensions: survived length – 10cm, width – 11cm, maximum thickness in the middle – 4.2cm, minimum thickness on the thinner end – 1.5cm.

Complete handstone chipped out of tufa was recovered from a depth of 1.3m at Excavation Site I. This wide and flat and carefully executed handstone has an elongated rectangular shape. All sides of the tool were used for pounding and rubbing. Length 20cm, width – 10cm, thickness - 4.5cm (Plate XXVIII.5).

**Mortar.** Fragment of a mortar made of dark grey porous tufa was found at 1m depth in Quadrat 9e, Excavation Site II. The mortar is broken both lengthwise and width wise. The lower surface of the mortar is oval, the upper working surface is flat. There is a cavity on the working surface. The cavity cannot not be precisely measured as it is on where the break occurred. It is approximately 6cm in diameter and 2.5cm deep. The cavity is thought to have been used for pounding cereals to flour. Fragment dimensions: length - 13cm, width - 12cm, thickness - 4.7cm (Plate XXVIII.2).

**Padstones.** Padstone made of grey porous tufa stone. Nearly complete except for a small chip at one end. The upper surface of this elongated stone is flat, the lower surface is oval but slightly flattened to allow the padstone to remain steady on the ground. Dimensions: length – 19cm, width – 14.5cm, thickness – 8.5cm. The hole in the centre of the stone to allow the post to rotate is 5cm in diameter and 2cm deep.

Padstone made of grey tufa has a circular shape. Both sides of this carefully executed object were used. Dimensions: diameter - 22cm, thickness – 4.4cm. The central hole is 5cm in diameter and 2.5cm deep, the other hole is 5.5cm in diameter and 2.3cm deep (Plate XXVIII.4)

### **Pounding Tools**

Pounding tools were largely recovered from a depth between 1.5m and 1.65m at both Excavation Site I and Excavation Site II. The upper horizons produced a few such tools. Pounding tools are made of different materials and vary in size, shape and colour. The excavation produced elongated, rectangular, round and pear-shaped pounding tools. These were largely made of river stones and partly of tufa stones of a grey, black, white, brown and light red colour. Elongated pounding tools made of river stones prevail. The tools made of tufa were used both in pounding and rubbing.

*Elongated pounding tools* are largely made of river stones and vary in colour. One end of some of these tools is wider than the other and bears wear marks and chips resulting from constant pounding. Traces of rubbing could be seen on one side of several other tools which is indicative of their twofold function – pounding and rubbing. One of these was found in Quadrat 1a. It is 20cm long by 7cm wide and 2cm thick.

In several cases there are patches of damage at either end of a stone tool. One of such tools was found in Quadrate 1a. One end of it is relatively wider and thicker than the other. Dimensions: length – 20cm, width – 8.4cm, thickness – 3.6cm (Plate XXX.5).

Pounding tool found in Quadrate 7 has also marks of use at both ends. One end of the tool made of a grey river stone is broken. Dimensions: length – 11.5cm, width - 4.5cm, thickness - 4cm (Plate XXIX.2).

Pounding tool made of a porous river stone of a grey colour was found in Quadrate 10. It was carefully executed to allow a comfortable hand grip. One end has chips and marks of considerable use. Dimensions: length – 12.5cm, width - 9cm, width – 4.5cm (Plate XXIX.1).

Pounding tool made of a river stone of a grey colour was found in Quadrate 9f, Excavation Site II. The tip and lateral sides were rubbed away for a comfortable hand grip. The ends are worn out with clear marks of pounding. Dimensions: length – 12cm, maximum width – 7.3cm, width at hand grip area – 4.5cm, thickness - 4.3cm (Plate XXX.3).

Pounding tool found in Quadrate 9 differs in shape from the others. The tool made of a grey river-washed stone was carefully chipped before use. The rear end is slightly wider with the corners rubbed away for a comfortable hand grip. The lateral sides are also worked for a comfortable hand grip. The pounding end has chips and wears marks resulting from long use. Dimensions: length – 13.5cm, width – 7.5cm, thickness - 5cm (Plate XXX.1).

Several pounding tools are made of grey river stones with a natural shape to fit the hand. One of these has marks of use at one end. Dimensions: length – 10cm, width – 11cm, thickness – 5.3cm (Plate XXX.2).

Pounding tool of a similar shape found in Quadrate 9d have marks of use at both ends. Length – 11cm, width – 8.5cm, thickness -5.5cm.

Some of the pounding tools are made of river washed stones of a black colour. Excavation Site II produced two such tools. One has a flat side to fit the hand. Length – 9.5cm, diameter – 7cm. The other has marks of use at both ends. Length – 7.5cm, width – 6.5cm, thickness – 5cm.

Three pounding tools made of black river stones were recovered from Excavation Site II. One of these has marks of use at both ends. Part of the tool is broken in lengthwise direction. Length – 11cm, width – 7.5cm, thickness - 4.5cm (Plate XXXI.6). The hand grip rear end of a second tool is rectangular, while the pounding end is thin and triangular. Length – 11cm, width - 6.5cm, thickness - 4.5cm (Plate XXXI.5). The rear end and sides of a third tool were chipped in advance to comfortably fit the hand. Wear marks and chips are visible on the front pounding end of the

tool. The tip of the pounding head gets thinner towards the end. Length - 11.5cm, width – 5cm, thickness – 3.6cm, tip thickness – 1.5cm (Plate XXXI.1).

Several of the pounding tools made of elongated river stones are of a light red or brown colour.

Pounding tool made of a brown river stone has a flat elongated shape. The wide rear end gets thinner towards the tip. There are chips and marks of considerable use on one end. Length – 11.5cm, maximum width – 7.1cm, tip width – 5cm, thickness – 4cm (Plate XXX.6).

Two of the pounding stones made of elongated river stones are white. Both ends of the tools have chips resulting from pounding. The tools are 9.5-11cm long and 6.5-7cm in diameter.

***Rectangular pounding tools*** vary in material and colour. Ten rectangular pounding tools were recovered from the site. These are largely made of river stones of a grey or light red colour. Both ends of these tools show clear marks of pounding.

One of these rectangular shape stone tools has a flat surface of a brown colour. All four corners of the tool have marks of considerable use. The tool is skilfully executed for a comfortable hand grip. Dimensions: length – 11cm, width – 10.5cm, thickness – 5cm (Plate XXXI.4).

***Pear-shaped pounding tools***. Four such tools chipped out of river stones of a grey, black and light red colour were found.

The hand grip sections of these tools get thinner towards their ends. There are chips and marks of pounding at working ends. One of these measures 5cm in diameter and 12cm in length (Plate XXXI.3).

Pounding tool made of a light red river stone has a flat shape. There are chips at the pointed end and marks of rubbing at the lateral side. The tool was used for both pounding and rubbing. Length – 16cm, width – 12.5cm, thickness – 2.5cm

The other two are thin, flat, oblong stones of a black colour. There are patches of damage at their pounding ends. One measures 10cm in length by 3cm in maximum width and is 1.8cm thick, the other measures 16cm in length, 6.5cm in maximum width, 4cm in minimum width and 3.5cm in thickness.

***Circular, slightly oblong pounding tools***. Ten such tools made of river and tufa stones of a grey and light red colour were recovered from the site. The majority of these tools were used for both pounding and crushing.

Grey circular pounding tool with a 2.5x1.5cm hollow on one face resulting from pounding or crushing. Size: 9.5x9cm (Plate XXX.4).

Pounding tool of a circular slightly oblong shape made of light grey tufa. The tool was largely used for crushing. Length – 8.5cm, width – 6.5cm, thickness - 3.5cm.

Pounding tool of a circular slightly oblong shape made of light grey tufa. The tool was largely used for crushing. Length – 9.5cm, width – 7cm, thickness - 4cm.

Pounding tool made of a red river stone with clear crushing marks on one end. Size: – 6.5x6cm.

Pounding tool made of a black river stone. The upper end is round and comfortable to fit the hand; the lower working end has rubbed away and is hollowed because of considerable use. (Plate XXIX.3).

***Pounding tools/grindstones***. These are made of grey, dark grey or black river stones of different shapes - oblong, circular, thin, wide, narrow or rectangular.

An oblong pounding tool/grindstone of grey colour. One end is thinner and rounded and has chips and patches of damage. The lateral sides have clear marks of grinding. There are several similarly shaped tools of length - between 14cm and 19cm, diameter – 4.5cm.



Pounding tools/grindstones made of thin, narrow river stones of a grey colour with marks of grinding/rubbing. Length - between 13.5cm and 15cm, width – between 2.3cm and 3cm, thickness – 2cm.

Pounding tools/grindstones made of thin, wide river stones of a grey colour with marks of use at lateral sides. Length - between 13cm and 14cm, width – between 5cm and 9.5cm, thickness – between 1.5cm and 2.3cm.

Pounding tool/grindstone made of a rectangular river stone of a grey colour with pounding marks on the working end and grinding marks on the sides. The pounding end is somewhat narrow and rounded. Length - 10cm, width – 4cm, thickness – 3.6cm.

### **Sickle Teeth and Cutting Tools**

These are made of flint and obsidian with the former prevailing. 730 flint and 73 obsidian tools were recovered from Excavation Site I and 247 flint and 38 obsidian tools were recovered from Excavation Site II. The majority of flint tools have 3 or 4 faces. (Plates XXXII-XXXVIII).

The cutting tools can be divided into 4 groups according to their shape: segment, trapezium, rectangular and triangular. The largest one is 13cm long by 3.5-4cm wide, the smallest one is 3.7-4cm long. Flint cutting tools are largely dark grey. They are saw-shaped with both edges serrated and have clear marks of use (Plate XXXII.12, 13; Plate XXXVIII.1-21).

One edge of blades used as sickle teeth is serrated, the other side is sharp for attaching to a wooden or bone sickle frame. These blades are classified as teeth of assembled sickles. The sickle teeth found at Boyuk Kasik are divided into several groups according to shape and fabrication technique.

The first group includes rectangular or triangular sickle teeth with both edges serrated. Both edges have marks of use. The sharp ends of these blades have no marks of use as they were attached to a wooden or bone sickle frame (Plate XXXVII.8, 11).

The second group is comprised of three- or four-faced rectangular blades serrated on one edge and getting thinner to a rounded end. These blades differ from the above described in having only one edge retouched (Plate XXXII.12-22; Plate XXXIV.1-17).

The third group consists of trapezium-shaped blades. These are relatively large with both edges serrated like a saw. The tools could have been used as either sickle teeth or cutting tools (Plate XXXVI.7,16).

Sickle teeth can also be divided into several groups depending on which part of a sickle frame they are attached to.

The first group includes sickle teeth attached to the front part of assembled sickles. These blades have rounded and serrated edges (XXXVIII.3,6).

The second group includes sickle teeth fixed to the central part of assembled sickles. These rectangular- or trapezium-shaped blades have blunt edges resulting from considerable use. (XXXIV.3-12; XXXV.1-3).

The third group consists of trapezium-shaped sickle teeth. These blades largely intended for the rear part of sickles have rounded edges. The blades are relatively large and have saw-shaped teeth on the working edge (XXXIV.1, 2)

One of the finds deserving special attention is a sickle discovered in Quadrate 7f, Excavation Site II. The bow-shaped sickle is 23.5 long by 4cm wide. Possibly made of bone it has flint teeth. One side of the teeth is serrated; the other side is sharp for attaching to a sickle frame. Vestiges of bitumen used for fastening are visible on the teeth.

Flint tools with vestiges of bitumen were encountered at both Excavation Site I and Excavation Site II. Flint sickle teeth with traces of bitumen were found in Quadrates VII and VIII. Vestiges of bitumen were taken for analysis.

The presence of large flint nuclei among the flint ware assemblage is one of the noteworthy aspects of excavations at the site. These were found at both Excavation Site I and Excavation Site II with the latter producing more and larger flint nuclei.

Two flint nuclei recovered from Quadrate 8d, Excavation Site II are worth special consideration. One has a flat lower surface, the upper and lateral sides show marks of extensive flaking. Length – 20.5cm, width – 14cm.

The other nucleus of a quadrangular shape is smaller. It has chips and flakes on all the sides. Length – 11cm, width – 11cm, thickness – 9cm.

Prevalence of flint nuclei and flint sickle teeth and blades may indicate that these were mass-produced local products and that farming culture was highly developed in the area.

A dense concentration of flint objects was detected at 1.15cm depth, close to the remains of Structure I in Quadrate Ia, Excavation Site I. Thirteen flint blades placed one on the other measured between 9cm and 12cm in length (Plate XXXII.1-4; PlateXXXV.11).

Some of the flint tools are coarsely executed. These have four blades and are assumed to have been largely used in cutting and chopping. They vary in size: length – between 6.5cm and 13cm, width – between 6cm and 8.5cm, thickness – between 2.5cm and 4.5cm (Plate XXXVII.1-7).

**Stone slingshot balls.** These were largely made of small river or tufa stones. 170 stone balls were found at Excavation Site I; 32 balls were recovered from Excavation Site II. The size is 2cmx4cm (Plate XXXI.2).

**Potter's wheel.** This was one of the noteworthy finds. The object made of a porous tufa stone was exposed at a depth of 85cm in Quadrate X. It resembles a spindle whorl in shape and has a hole perforated in the centre. The object, 18cm in diameter, is possibly a part of a potter's wheel (Plate XXIX.9).

**Stone bead.** This was recovered from the surface during the site survey. The flat, disk-shaped bead made of white soft stone is 8mm in diameter and 4mm thick (Plate XXIX.6).

**Arrow-heads.** Four arrow-heads considered extremely rare finds for the late Eneolithic were found at the site. These are small objects carefully executed in translucent obsidian. The front ends are triangularly shaped and the sides are neatly notched (Plate XXIX.4, 5, 7, 8).

### **Bone Objects**

The Boyuk Kasik bone assemblage largely consists of tools used in piercing, cutting or weaving. Over fifty bone objects were recovered from the site at depths below 1.2m. Thirty six bone objects were found on the BTC side of the construction corridor. These were exposed in Quadrates 7, 8, 9 and 11. The SCP side of the pipeline easement produced fifteen such objects. These were recovered from Quadrates 7d, 7e, 8d, 8c, 8f, 9d, 9c, 9e and 10e, Excavation Site II. The majority of bone objects are needles and awls of various kinds.

**Needles.** These were mainly used in piercing. Some of the needles with a thread hole at the rear end are very skilfully executed.

Two needles recovered from 1.2m depth in Quadrate VII, Excavation Site I are worth special consideration. One of these has a flat rear end gradually widening and assuming the shape of a triangle. Length – 11.5cm, width of the rear end – 1.2cm. The other needle is smaller and has a thin tip end slightly slanting from the centre and a flat and wide rear end. Length – 10.5cm, width of the rear end – 1.1cm. Both have circular thread holes on wide rear ends (Plate XL.5, 6).

The needle found at 1.5m depth in Quadrate 9d, Excavation Site II has a thin tip end and wide triangular rear end with a circular hole on it. Length – 5.6cm, width of the rear end – 0.8cm, hole diameter – 0.2cm (Plate XXXIX.26).

The needle-shaped piercing tool found at a depth of 1.3m in Quadrate 8 is thin and round at the tip end, rectangular in the middle cross section and triangularly shaped at the rear end. This tool has

also a thread hole on the triangular rear end. Length – 8.1cm, width of the rear end – 1.3cm, width in the central rectangular section – 0.4cm (Plate XL.4).

**Pins.** Excavations produced needle-shaped bone objects with no holes pierced on the rear ends. Two of these were found at 1.3m depth in Quadrate 8e, one was recovered from a depth of 1.45cm in Quadrate 10e (Plate XL.1-3). One more bone object was retrieved from a depth of 1.3m in Quadrate 8e (Plate XL, 8, 9).

The majority of these bone tools are well executed. One of these has a wide triangular rear end, and a round, thin and sharp tip. The absence of a hole on the rear end of this needle-shaped piercing tool suggests it was used as a pin. Length – 9.8cm, width of the rear end – 1.4cm (Plate XL.2).

A similarly shaped pin was found at a depth of 1.3m in Quadrate 8e. Length - 8.2cm, width of the rear end – 1.3cm (Plate XXXIX.1).

A pin was recovered from 1.45cm depth from within the remains of Structure 12 in Quadrate 10e. It is the largest of similarly shaped pins. There is a small hollow on one side of the triangular rear end suggesting that an attempt was made to drill a through hole. Length – 12.5cm, width of the triangular rear end – 1.7cm (Plate XL.3).

**Awls.** In addition to needles and pins the site also produced awls. Twenty seven awls were found at Excavation Site I, eleven awls were recovered from Excavation Site II. These were largely made of animal shin-bones (Plate XXXIX.1-25).

The majority of awls from Excavation Site I were found in Quadrates VII and VIII.

Quadrate VII produced the following awls:

Rounded shaped, thin-tipped awl made of a half of a small bovid shin-bone. The rear end of the tool is the articular part of a shin-bone. Length – 9cm, width of the rear end – 1.5cm, width in the middle -1.1cm (Plate XXXIX.9).

Awl, with both sides, is thinned by grinding. Both ends show marks of use. Length – 6cm, maximum diameter – 0.4cm (Plate XXXIX.8).

Awl made of one half of a small bovid shin-bone cut in half lengthwise. The tip end is sharpened like the tip of a thin needle, while the rear end is worked to comfortably fit the hand. Length – 9.7cm, width of the rear end – 1.2cm, thickness – 0.6cm.

Awl made of a half of a small bovid shin-bone cut in half lengthwise. The tip end is thinned and has the shape of a triangle with a pointed apex. This slightly curved tool is 10.4cm long, 1.3cm wide and 0.4cm thick.

The awls found in Quadrate VIII are as follows:

Small slightly curved awl made of a small bovid shin-bone. The tip end is worked and very sharp. Length – 6.5cm, width of the rear end – 0.7cm, thickness – 0.3cm (Plate XXXIX.22).

Flatly-shaped awl made of one half of a large bovid shin-bone cut in half lengthwise. The tip end is thinned and has the shape of a triangle with a pointed apex. Length – 7.3 cm, width – 1.8cm, thickness – 1.2cm (Plate XXXIX.23).

Awl made of a half of a small bovid shin-bone cut in half lengthwise. The tip end is thinned and has the shape of a triangle with a pointed apex (Plate XXXIX.4).

Small awl made of a half of a small bovid shin-bone cut in half lengthwise. The tip end is thinned and has the shape of a triangle with a pointed apex. Length – 4.5cm, width of the rear end – 1.3cm, thickness – 0.4cm. (Plate XXXIX.5).

Similarly-shaped awl found at a depth of 1.45cm in the extended section of Quadrate 6 is 7.8cm long, 1.3cm wide on the rear end and 0.4cm thick (Plate XXXIX.2).

Awls at Excavation Site II were found at different depths in Quadrates 7d, 8e, 9d, 9c, 9e and 10e. Three awls were recovered from a depth between 1.2m to 1.5m in Quadrate 7d. One of these is round and has a pointed tip. The tip end is narrow, the middle is wide and the lateral sides are worked for a comfortable hand grip (Plate XXXIX.11).

Awl made of a small bovid shin-bone. The joint end of the bone was used as a handle. The tip is sharpened by chipping. Length – 8cm, width – 1.3cm, thickness – 0.8cm (Plate XL.11).

Small awl is worth of special consideration. Both ends show clear marks of use. The central wide part gets thinner towards the pointed tips. One side of the awl is made flat by being rubbed. Length - 4cm (Plate XL.7).

Curved awl with a pointed end found at 1.4m depth from within the structural remains in Quadrate 7e is 8cm long.

Two awls were recovered in Quadrate 8d. One of these, triangular in shape has a pointed tip and wide rear end. Length – 8cm, width of the rear end – 1.5cm (Plate XXXIX.24).

Awl found at a depth of 1.7m is made of a half of a small bovid shin-bone cut in half lengthwise. It has a sharpened tip with clear marks of use. Length – 7cm, width – 1.1cm (Plate XXXIX.25).

Small awl found at a depth of 1.5m in Quadrate 9c is made of a bone fragment and has a triangular shape. Length – 4cm, width – 0.8cm (Plate XXXIX.18).

Two bone awls were recovered from Quadrate 9e. One was exposed at 1.2cm depth and broken. Only the 3cm long tip end survived. The tip is well sharpened (Plate XXXIX.13).

The other awl was found at a depth of 1.3m. It is made of a half of a small bovid shin-bone cut in half lengthwise. The section of the awl from the centre to the tip end is round. The tip is sharpened like a needle tip. Length – 7.4cm (Plate XXXIX.12.).

Quadrate 10e produced two bone awls. One was exposed at a depth of 1.3m within the remains of Structure 12. The rear end of this carefully executed round shaped tool is broken. The tip end is sharpened. The survived part measures 4.8cm in length and 0.4cm in diameter (Plate XXXIX.16).

Awl made of a half of a small bovid shin-bone cut in half lengthwise. The awl was found at 1.6m depth. The pointed end is sharp. Length – 8.3cm (Plate XXXIX.6).

**Cutting tools.** Excavation Site I produced a fragment of a knife-type bone tool. This was made of a small bovid rib bone. Both edges of the tool are well burnished with no marks of serration.

Knife-shaped bone object recovered from a depth of 1.3m in Quadrate XI, Excavation Site I is one of peculiar interest. One side of the tool is well worked. The survived front part of the tool measures 3.4cm in length, 1.5cm in rear maximum width, 1.1cm in minimum width and 0.3cm in thickness.

Four more bone tools for cutting or peeling were found at Excavation Site I.

One of these tools is small and has thinned edges and a pointed tip. The rear part is executed so as to provide a comfortable hand grip. The tool found at 70cm depth is 3.8cm long, 1.6-2.4cm wide and 0.6cm thick.

Tool exposed at a depth of 80cm in Quadrate 6 is made of a fragment of a large bovid shin-bone. Presumably was used as either a horse comb or cutting tool. The tool has an oblong shape and is slightly curved, one side of it is sharpened and thinned. The rear part is executed so as to provide a comfortable hand grip. The tool is 7.2cm long, 2.9cm in maximum width and 1cm thick on the rear thick end.

Tool exposed at a depth of 1.3m in Quadrate 7 is made of a fragment of a large bovid shin-bone cut lengthwise. It has the shape of a triangle with a pointed tip. Length – 7.3cm, width – 3.5cm, thickness – 1.1cm.

Tool exposed at a depth of 1.55m in Quadrate 7 is made of a fragment of a large bovid shin-bone cut in half lengthwise. The tip is pointed and lateral sides are very carefully cut to provide a comfortable hand grip. Length – 11cm, width – 3.5cm, thickness – 1.5cm.

**Carved bone objects.** An item of jewellery made of a small bovid shin-bone was recovered from Quadrate 11, Excavation Site I. This was a flat bone object of a circular oblong shape with a hole perforated in its centre and was decorated with five circles incised width wise on its surface. Length – 7.3cm, width – 1.8cm, thickness – 1.5cm. The central hole is 0.8cm in diameter. One end is broken (Plate XL.12).

Three animal figures recovered from Excavation Site I are made of small bovid joint bones. These resemble a dog's head with clearly carved ears, nose and mouth. Height – 3.5-4cm, width – 2-2.2cm, thickness – 1.5-2.1cm (Plate XL.14-16).

Discovery of a jewellery item and animal figures skilfully made of bone is indicative of development of bone carving art along with other local crafts.

**Spindle whorls.** Two spindle whorls were found – one at Excavation Site I, the other at Excavation Site II.

The spindle whorl from Excavation Site I is made of a large bovid femur bone and has the shape of a dome. Diameter – 2.5cm, height – 1.3cm. The whorl has a 0.5cm diameter through hole at its centre (Plate XL.13).

The spindle whorl recovered from Excavation Site II is very delicately executed. This was also made of a large bovid femur bone and has the shape of a dome. Diameter - 4.8cm, height – 2cm. The central through hole has different diameters in the lower and upper part of the tool – 1cm at the bottom and 1.3cm on top. The tool shows wear in both lower and upper parts with more marks of use in the upper part (Plate XL.10).

### **Metal Objects**

The evidence from Boyuk Kasik for use and production of metalwork is of paramount importance to the study of the history of development of early metallurgy in Azerbaijan and the Caucasus.. Metal objects found at other coeval sites in the Caucasus are small and largely consist of awls, beads, etc. The majority of metal objects found at Boyuk Kasik are relatively large, four-faced awls. The finds also include one complete dagger, which is rare on Eneolithic settlement sites, two dagger fragments and two knife blade fragments. A total of twenty metal objects were recovered from both Excavation Site I and Excavation Site II. Given the scientific importance of metal finds for archaeology, all the metal objects from Boyuk Kasik are described below:

#### **Excavation Site I**

1. Dagger made of a 1.5-2mm thick metal slab was found at a depth of 1.15m in Quadrate Ia. The tang for fastening to a wooden handle has a hole in the centre. The transition area between the tang and blade is gradual and smooth. The tang is 4sm long; the length of blade is 16.5cm. The shoulder area is 2.5cm wide. The blade gets thinner towards the tip. A parallel of this dagger was found in Kurgan 5 at Soyugbulag (27. p.138). The only difference between the two is the absence of a tang hole on the Soyugbulag dagger. The Soyugbulag dagger tang has toothed edges for fastening a wooden handle (Plate XLI.1).
2. Blade fragment of a dagger made of a 2.5mm thick metal slab was found at 60cm depth in Quadrate X. The middle section of the blade is somewhat prominent lengthwise in comparison with its thinned edges. Length – 7cm, maximum width – 2cm (Plate XL.2).
3. Fragment of a 2mm thick metal slab was found in the pithouse in Quadrate VII. The break going through a hole in the middle suggests this is possibly a fragment of a dagger tang. Length – 1.8cm, maximum width – 1.5cm (Plate XL.3).
4. Fragment of a knife made of a thin metal slab. Extremely corroded, therefore easily crumbles.
5. Melted, kiln-shaped ingot found right under a stripped 20-25cm thick topsoil layer. Diameter – 7mm (Plate XL.4).

6. Fragment of an awl with a quadrangular cross section was found at a depth of 1.9m within the pithouse in Quadrate VII. The tip portion has a circular cross section. Length 3.3cm (Plate XL.5).
7. Awl with a quadrangular cross section was found at a depth of 1.85m in the extended southwest section of Quadrate VII. The tip portion has a circular cross section. Length 5.3cm (Plate XL.6).
8. Object with a rectangular cross section, possibly an awl fragment was recovered from a depth of 2.1m within Pithouse 3 in the extended northeast section of Quadrate VII. The tip area has a circular cross section. Length – 2cm, maximum width – 5mm, minimum width – 3mm (Plate XL.7).
9. Fragment of an awl with a rectangular cross section was recovered from a depth of 1.45m in Quadrate VI. The tip portion has a circular cross section. Length – 3cm, maximum width – 5mm, minimum width – 3mm (Plate XL.8).
10. Awl with a quadrangular cross section was found at 1.5m depth in Quadrate VII. The tip portion has a circular cross section. Length – 5cm, width – 5mm (Plate XL.9).
11. Object made of metal wire with a quadrangular cross section was found at 1.1m depth in Quadrate IVb. It has pointed tips of a circular cross section. Similar in shape and size to double-pointed bone objects found at the site. Both bone and metal objects of this type had presumably the same function (Plate XL.10).
12. Fragment of an awl made of metal wire with a quadrangular cross section was found at 1.3m depth in Quadrate VII. Length – 1.7cm, width -2mm (Plate XL.11).
13. Thin metal slab of 1cm by 0.5cm in size. The function cannot be identified (Plate XL.12).

#### **Excavation Site II**

1. Fragment of a knife made of a thin metal slab was found at a depth of 1.45cm in Quadrate 7f. Length – 3.4cm, width -1.3cm.
2. Fragment of an awl made of thin metal wire with a quadrangular cross section was found at 1.45cm depth in Quadrate 7f. Length – 3.6cm.
3. Fragment of a bead made of a thin metal slab was recovered from a depth of 1.4cm in Quadrate 9c. Crumbles and falls apart because of heavy corrosion.
4. Small and heavily corroded fragment of an object of unknown function recovered from a depth of 1.3m in Quadrate 7f.
5. Small and heavily corroded fragment of an object of unknown function recovered from a depth of 1.5m in Quadrate 8e.
6. Small and heavily corroded fragment of an object of unknown function recovered from a depth of 1.65m in Quadrate 7d.
7. Small and heavily corroded fragment of an object of unknown function recovered from a depth of 1.45m in Quadrate 10e.

## **Animal Bones**

These include bones of different domestic animals and were found in all layers of the settlement site predominantly in Horizon 2, Horizon 3 and Horizon 4. The animal bone assemblage contains 40% cattle bones and 38-40% sheep or goat bones. Dog and pig bones and bones of other animals constitute the remaining percentage of the animal bone assemblage.

## **Floral Materials**

The lower horizons of the excavation site produced carbonized and decayed wheat residue. The type of cereal could not be identified.

## **V. Analytical Results**

### **• *Interpretation of Excavation Results***

Based on the analysis of archaeological material recovered from the Boyuk Kasik site the results of excavations can be summarized as follows:

1. The excavations conducted at Boyuk Kasik are by now the most extensive and comprehensive of all excavations of sites related to the Leylatepe Culture. The Boyuk Kasik excavations have significantly enriched the material database essential for the study of the Leylatepe Culture.
2. Archaeological evidence gathered from the site (pottery ware, clay figures, “nails”, child’s jar graves, etc.) once more confirmed that the Leylatepe Culture is closely associated with the Ubaid Culture rather than the Uruk Culture as some researchers assert. Unlike the Uruk tribes that created rich urban cultures by enlarging and developing towns, the fact that the Ubaid tribes were more inclined to migrate and eventually settled in all the countries of the Near East and Middle East is more in line with the above voiced opinion.
3. Excavations at Boyuk Kasik and similar sites have revealed drastic differences between the Leylatepe stone ware and similar stone assemblages from other coeval sites. It was established that significant prevalence of flint cutting tools over those made of obsidian is one of the characteristic traits of the Leylatepe Culture.
4. Excavations have also revealed that the Boyuk Kasik settlement is so far the only Leylatepe Culture site that produced bone artefacts (apart from a few bone tools found at the Leylatepe site). In addition to varied bone implements and domestic items (awls, needles, pins, spindle whorls, etc.). Boyuk Kasik contained material, namely zoomorphic figures that reflected ideological notions. These provide additional proof that bone carving was a well developed craft at the settlement site.
5. Excavations have produced unprecedented numbers of Eneolithic metal artefacts. The Boyuk Kasik settlement site could be said to be a site that has produced the highest numbers of metal objects of Eneolithic date in the South Caucasus. In addition clay moulds used for carrying out metal founding – not recorded so far in the South Caucasian Eneolithic sites - have been found. All this evidence indicates that local metal founding was an active craft during the late Eneolithic.
6. The study of archaeological material and stratigraphic data and radiocarbon analysis of carbonized wood remnants recovered from the Boyuk Kasik site have allowed to precisely

determine the chronological boundaries of both this site and the Leylatepe Culture as a whole and date this Culture to the first half of the fourth millennium, B.C.

The decay of Eneolithic Cultures in the South Caucasus in the fourth millennium, B.C., the beginning of the early Bronze Age and the issue of chronological place of the Leylatepe Culture in all this process still remains a subject of ongoing scientific debate. Chronological analyses of the Boyuk Kasik material have brought considerable clarity to these issues and proved the correctness of the idea of a complete decline of Eneolithic Cultures, including the Leylatepe Culture and the rise of the early Bronze Age Kura-Araz Culture in the middle of the fourth millennium, B.C.

7. Excavations at Boyuk Kasik demonstrated that the Leylatepe Culture played an important part in the formation of the succeeding early Bronze Age Maikop Culture in the North Caucasus. The study of the archaeological material, particularly pottery ware has provided proof that bearers of the Leylatepe Culture played a decisive role in shaping the Maikop Culture.

- **Dating**

In order to precisely date the Boyuk Kasik settlement site it is important to conduct a multifaceted chronological study of all the Leylatepe Culture sites. To this end the following issues should be reviewed:

1. Stratigraphy;
2. Comparative analysis of archaeological finds; and
3. Results of radiocarbon dating.

**Stratigraphy.** As noted above, like other Leylatepe Culture sites the Boyuk Kasik site is closely related to the north Ubaid Culture. In North Mesopotamian settlement sites the Ubaid period cultural layer was found resting immediately atop the earlier Halaf period cultural layer. The Tell Arpachi, Tepe Gavra and Yarimtepe III sites are a brilliant example of such monuments. Investigation of the chronological range of the Halaf period cultural layers, especially radiocarbon analyses show that the Ubaid cultural layers date to the end of the 5<sup>th</sup> millennium and the beginning of the 4<sup>th</sup> millennium, B.C. (19. p.149). The Tepe Qavra site is extremely important in handling this issue. Layers XIX –XII of this site date to the Ubaid period, while Layers XI-VIII are dated to the Uruk period (16. p.86; 40. p. 86). Discovery of varied burnt deposits in Layer XII suggested there was a big fire that completely destroyed the settlement. Reuse of the site began during the Uruk period (16. p.85-86; 41. p.20-28). Sample material from Layer XII was radiocarbon dated to 3837 ( $\pm 72$ ), B.C. (32; 38). The radiocarbon assay of samples from another Ubaid period archaeological monument, Hammam-at-Turkman settlement site in Syria yielded dates similar to the dates of samples from Layers XIX-XII of the Tepe Gavra site - 4000 to 3500, B.C. (41. p. 28-29).

Are any of these dates calibrated or not?

In principle, latest research shows that the North Ubaid Culture lasted until the mid 4<sup>th</sup> millennium, B.C. – the date of transition to early Uruk Culture (41. p.88).

As is commonly accepted the North Ubaid Culture was also widespread in areas around Urmia and most likely it penetrated into the South Caucasus from these territories. Radiocarbon dating of samples from the Pijдали Tepe, one of the settlement sites located around Urmia showed that the lower cultural layer of this site was coeval with the North Ubaid period. This layer was dated to the first half of the 4<sup>th</sup> millennium, B.C. (3857 $\pm$ 99; 3688 $\pm$ 85; 3674 $\pm$ 164; 3510 $\pm$ 160) (21. p.122).



In performing chronological comparisons of South Caucasian archaeological monuments dating to the 4<sup>th</sup> millennium, B.C. a special attention should be paid to one question. The study of archaeological evidence and stratigraphic data provided proof that the first stage of the early Bronze Age Kura-Araz Culture in the South Caucasus (3500-3000 B.C.) was synchronous with the late Chalcolithic (Eneolithic) Uruk Culture in Eastern Turkey and Mesopotamia (42. p. 101). Besides, this last fact shows the assertions that the Kura-Araz Culture emerged in Western Anatolia are far from being true and the attempts to find the origins of this culture in the South Caucasus, including Azerbaijan are more convincing (1. p.193).

In terms of stratigraphic succession of cultural layers associated with the Leylatepe Culture in the Caucasus the Berikldeebi settlement site in Georgia and Poylu II settlement site, Agstafa, Azerbaijan are specifically important. In Berikldeebi resting directly upon the natural layer is the lowest 25cm thick cultural layer that relates to the Leylatepe Culture and contains archaeological deposits identical to those recovered from the Boyuk Kasik site.

The basic lower layer at Poylu II settlement site is identical to the Boyuk Kasik site and relates to the Leylatepe Culture. As a result of damage caused by farming activities at this location over many years mixed assemblage of pottery ware dating to the Leylatepe Culture, different stages of the Bronze Age and in small quantities to the Middle Ages was found in the upper layer of the Poylu II settlement site. In addition, several Antique Period earth graves were found cutting the cultural layer up to the natural layer. The upper layer with the mixed assemblage of material of different dates produced also pottery relating to the Kura-Araz Culture. Disregarding a few Antique Period graves an undisturbed Leylatepe cultural layer was uncovered below this disturbed layer.

It should be noted that latest research on the Kura-Araz Culture and particularly the results of radiocarbon dating provide grounds to assert that this culture originated in the mid 4<sup>th</sup> millennium, B.C. (43. p. 39-40; 20. p.63; 15. p.94, 96).

The Abdel Saritepe settlement site located on the north-west of the Leylatepe site also provokes interest in connection with the issue under discussion. Although this site was not excavated, two pottery fragments of different dates were recovered from the surface of the site severely damaged by farming activities. One of these is identical to the material of the earlier Kultepe-type monuments. The second ceramic fragment is of relatively late date and relates to the Leylatepe Culture. It becomes clear that the Leylatepe cultural layer at this location rests on the earlier Eneolithic layer (3. p. 20, 75).

***Comparative analysis of archaeological material.*** Archaeological finds, especially pottery ware - the major dating material - from Boyuk Kasik, are notable for their originality as is the case in all the other Leylatepe Culture sites. This pottery is considerably different from that of Kultepe and Shomutepe Eneolithic sites and early Bronze Age Kura-Araz Culture sites. As to shape the Boyuk Kasik pots are similar to those from North Ubaid sites. In this respect of particular interest are angobe-coated and well burnished Boyuk Kasik kuza-type pots with long funnel-shaped necks and ellipsoid bodies fired to a pink or red pale-hazel surface (Plate XVII.0; Plate XVIII.3, 7, 8). These pots are much closer in shape even to pots of the pre-Ubaid Halaf period. A pot of this type, but painted – product of the Halaf Culture – was found in the Eneolithic layer of Kultepe I site in Nakhchivan (Plate XII.1). As is known the North Ubaid Culture strongly impacted by the classic South Ubaid Culture was formed based on the traditions of the preceding Halaf Culture (17. p. 87). Therefore it appears that the Boyuk Kasik kuzas have some correlation with the North Ubaid Culture.

In addition to pottery ware typical of the Leylatepe Culture the Boyuk Kasik site and other similar settlement sites produced Shomutepe- and Kultepe-type pottery fragments. Pottery samples dating to the Shomutepe Culture, especially to its final stages were encountered at the Boyuk Kasik, Poylu II and Agilidere archaeological sites. The majority of these are pots tempered with non-organic additives. At Boyuk Kasik such pottery constitutes 28-30% of all pottery finds. One of these finds is worth special consideration (Plate XX.5). This is a heavy clay product with an

uneven surface and flat base. Such pots of a brown colour are encountered in nearly all stages of the Shomutepe Culture. Fragments of pots with combed surfaces typical of the late Eneolithic (first half of the 4<sup>th</sup> millennium) monuments of the South Caucasus were recovered from the Leylatepe (3. p.19), Poylu II and Agilidere settlement sites.

As noted above, excavations at Boyuk Kasik exposed storage pits with a stepped entrance in Quadrats IVb and IVc, Excavation Site I. Such stepped pits had been known to exist in the area from the excavations at Shomutepe - a settlement site of an earlier date (30. p. 17).

Besides, clay “nails” similar to those discovered at Boyuk Kasik had been known from the excavations at both the Leylatepe site (3. p.83) and the North Ubaid monuments of Mesopotamia (19. p. 147). The closest parallels for the feminine figurine found at Boyuk Kasik had been discovered in the classic Ubaid Culture monuments in South Mesopotamia.

As noted above, some pots from Boyuk Kasik have perforations below their rims. Some small pots have numerous holes on their bodies. These pots are more characteristic of the final stage of the Eneolithic period in Azerbaijan.

Some distinctive features in pottery decoration technique can also help determine the date of the site. Leylatepe, Boyuk Kasik and Poylu II settlement sites produced pots decorated with short lines, wheat seed-shaped and cruciform patterns. Similar ornamentation had been known from Maikop Culture pots (14. p. 13). Such patterns are also encountered on pottery from the late Ubaid Layer VII of the Arslantepe settlement site in South-eastern Anatolia (14. p. 22). Layer VII of Arslantepe was radiocarbon dated to 3700-3500 B.C. (14. p.10), i.e. to the same Leylatepe Culture date.

At Boyuk Kasik a group of thin-walled jug-type pots tempered with fine sand and well fired to a red surface have rims decorated with thumbled or incised patterns. Pots decorated in this style were recorded at both the Leylatepe site and in the Eneolithic layer of the Ovchular Tepesi settlement site (3. p. 43, 59).

Clay stamps found at Boyuk Kasik are also of great importance for dating the site. Similar stamps were recorded at North Mesopotamian sites dating to the 4<sup>th</sup> millennium, B.C. Clay and stone stamps relating to the Uruk Culture have largely rectangular or quadrangular shape. These bear images of various animals depicted in pairs or facing each other (17. p. 96; 23. p. 110-112; 40. Figure 29-A, Figure 44-H). The North Ubaid stamps dating to the first half of the 4<sup>th</sup> millennium, have images of individual horned animals (18. p. 367-368). The Boyuk Kasik stamps are identical to the North Ubaid stamps.

As is obvious, the study of the Boyuk Kasik archaeological material allows to date this settlement site to the late Eneolithic Period of the South Caucasus, i. e. the first half of the 4<sup>th</sup> millennium, B.C. and to confirm the existence of a genetic correlation between the Boyuk Kasik settlement site and the North Ubaid Culture.

It should also be emphasized that some artefacts discovered at Boyuk Kasik are more typical of the early Bronze Age rather than the late Eneolithic. These are well burnished cylindrically necked pots of a dark grey colour sometimes made of only sand tempered clay, bone spindle whorls, clay moulds, clay zoomorphic figures and other material. These finds are indicative of a potential impact of the Leylatepe Culture on the succeeding early Bronze Age Kura-Araz Culture.

**Results of radiocarbon dating.** One of the most efficient means in dating an archaeological site is radiocarbon dating of charcoal and bone samples recovered from cultural layers. In case radiocarbon assay provides data commensurate with the stratigraphic and pottery evidence the site can then be dated with more confidence. It was already noted above that based on stratigraphic information and study of finds the Boyuk Kasik site was dated to the first half of the 4<sup>th</sup> millennium, B.C. Radiocarbon dating of carbonized wood remnants retained from the site produced the same dates. Charcoal samples recovered from the site were radiocarbon dated (13C/12C) at Beta Analytic in 2005-2007. The authors of this Report would like to express their sincere gratitude to David Maynard, Landsker Archaeology Ltd, for making this happen.

Context	Laboratory No.	Measured Radiocarbon Age	13c/12C Ratio	Conventional Radiocarbon Age	2 sigma 95% probability	1 sigma 68% probability
Kv7d 1.6m	Beta 226242	4960±40 BP	-25.2 o/oo	4960±40 BP	Cal BC 3900 to 3880 AND Cal BC 3800 to 3650	Cal BC 3780 to 3700
Kv8c 1.4m Charcoal	Beta 218217	5030±60 BP	-25.0 o/oo	5030±60 BP	Cal BC 3960 to 3670	Cal BC 3940 to 3720
Kv8d Charcoal	Beta 218216	5260±60 BP	-25.4 o/oo	5250±60 BP	Cal BC 4240 to 3960	Cal BC 4150 to 4120 and Cal BC 4070 to 3980
Kv6 Charcoal outside roundhouse	Beta 200403	5090±40 BP	-25.5 o/oo	5090±40 BP	Cal BC 3970 to 3780	Cal BC 3960 to 3910 and Cal BC 3880 to 3800

In addition a charcoal sample recovered from a depth of 1.4m in Quadrante VII, Excavation Site I was radiocarbon dated in Paris. We express our sincere thanks to Mrs. Bertille Lyonnet, French archaeologist, for having this dating realized. The results are as follows:

Context	Laboratory No.	Measured Radiocarbon Age	13c/12C Ratio	Conventional Radiocarbon Age	2 sigma 95% probability	1 sigma 68% probability
	Gif 12141	4960±90 BP		4961±90 BP	Cal BC 3963 to 3632 AND Cal BC 3558 to 3538	Cal BC 3803 to 3649 AND Cal BC 3912 to 3878

Radiocarbon dating of samples from Berikldeebi, another Leylatepe Culture site, was conducted in Australia and produced similar dates: 3955-3778, B.C. (43. p. 93).

For the purpose of establishing the chronological range of the Boyuk Kasik site and the Leylatepe Culture as a whole attention should also be paid to the chronology of the North Caucasus Maikop Culture which is closely related to the Leylatepe Culture. Firmly grounded ideas that the Maikop Culture was somehow related to the Mesopotamia in the Near East were put forward by researchers as far back as the 20th century (4. p. 39-56; 34. p. 18-24). Researches emphasized the importance of migration processes that began in the Kura lowland and west Georgia and got over the Caucasus Mountains to set up Galyugay sites of the Maikop Culture (13. p. 102).

However, until recently researchers had been reluctant to admit that interactions between Mesopotamia and Maikop were effected through the South Caucasus despite the discovery of the Leylatepe and Berikldeebi sites. This perhaps was quite justly accounted for by the lack of relevant archaeological evidence.

Discovery of the Boyuk Kasik, Poylu I, Poylu II and Agilidere settlement sites and the Soyugbulag kurgans on the BTC and SCP pipeline route in the Ganja-Gazakh region and excavations conducted during 2004-2005 produced overwhelming archaeological evidence that Mesopotamia-Maikop links were realized through the South Caucasian track. Therefore it would be expedient to briefly review the radiocarbon dates for Maikop archaeological monuments.

Some of the radiocarbon dates for Maikop period sites seem questionable (35. p. 94, 96). On the whole the dates cover the period from 3950 to 3300, B.C. (35. p. 97) or from 3900 to 3300/2800, B.C. The dates were divided into stages by researchers: Stage I) 3900-3600; Stage 2) 3600-3300; and Stage 3) 3300-2900/2800. The most important radiocarbon dates are those for Stage 2 (15. p. 95).

As is obvious, the Maikop Culture radiocarbon dates cover a large historical expanse of 1100-1200 years. All these dates were obtained from Maikop period burials. It should be noted, however, that the dates from the burials (1100-1200) are discrepant from the stratigraphy, thickness and size of cultural layers of the settlement sites from this Culture. The settlements sites investigated so far had cultural layers varying in width from 10-15cm to 1.6-1.65m. It follows that

the thickness of cultural layers at Maikop period settlement sites was on no account up to 2m (13. p. 16; 21. p.206). It would not have taken a time span of 1100-1200 years for the formation of cultural layers of this thickness.

Dwellings at Maikop period settlement sites were largely light and simple design surface structures constructed of wooden frames clay-plastered on both sides (13. p. 16; 21. p. 207). It is clear that the growth rate of cultural layers at sites with such structures must have been low. Even if this factor was taken into account and the inhabitants of Maikop period settlement sites were assumed to have changed their place of residence from time to time as a result of a shift in their economic activities, cultural layers would have reached 1.6-1.65m thickness maximum within 400-500 and not within 1100-1200 years. The radiocarbon dates from the nearly 2m thick cultural layer at the Boyuk Kasik site with similar dwelling structures are more realistic and do not show a time span of over 500-600 years. These dates are also in line with stratigraphic data and archaeological evidence gathered.

In this connection radiocarbon assays of samples from the Maikop Culture Galyugay I and Galyugay II settlement sites are particularly worthy of attention. These sites yielded radiocarbon dates from the first half of the 3rd millennium, B.C. (2980-2530) which when calibrated appeared to be about 1000 years older (4040-3355, B.C.). S. N. Korenevski who analysed the results was apparently quite right in dating the Galyugay sites to 3300-2900, B.C. (14. p. 100).

Y. V. Chernykh and L. B. Orlovskaya who compared the radiocarbon dates from kurgans relating to pit burial culture (first half of the 3rd millennium, B.C.) with those obtained from Maikop period kurgans suggested that kurgan traditions had not emerged in true outdoor pit burial culture environment as previously thought but had been invented earlier by tribes of the Maikop Culture (35. p. 97). In his article published a year later Y. V. Chernykh asserted with more confidence that radiocarbon dates from kurgans allowed the Maikop Culture to be dated to the first half of the 4th millennium, B.C. (36. p. 55). However, the discovery and excavation of Soyugbulag kurgans in 2004-2005 supplied good evidence to support the views that the practice of kurgan burial was first established in the South Caucasus – in Azerbaijan by tribes of the Leylatepe Culture. Later this practice was more widely employed by tribes of the Maikop Culture closely associated with the Leylatepe Culture (27. p. 136).

If the radiocarbon dates from Maikop kurgans are assumed to be precise, then it is important to consider the two following premises:

1. A group of the North Ubaid tribes migrating from Mesopotamia to the north continued their way without a long stay in the South Caucasus and settled in the North Caucasus with their transformed Eneolithic traditions. The early Bronze Age Maikop Culture that later emerged originated from these Eneolithic traditions.
2. Prior to the arrival of migrants from the South Caucasus (bearers of the Leylatepe Culture) the dominating culture in the North Caucasus was the Eneolithic Culture later transformed into the early Bronze Age Maikop Culture. That culture should have contained major elements of the Maikop Culture (Protomaikop).

If either of these premises is accepted as true or as more likely, the Maikop Culture sites that were radiocarbon dated to the beginning of the 4th millennium, B.C. can be classified as Protomaikop sites. However these premises and the Mesopotamia - Leylatepe - Maikop relationships on the whole will require further long-term studies.

In contrast to Maikop Culture sites radiocarbon dating of charcoal and bone samples taken from the Leylatepe Culture Boyuk Kasik, Poylu II settlement sites and Soyugbulag kurgans produced the same dates: the first half of the 4th millennium, B.C. Only one date was different – it showed the 5th millennium (4240, B.C.).

Based on these findings the Boyuk Kasik Settlement site and the Leylatepe Culture as a whole may be dated to the first half of the 4th millennium, B.C. This dating is also in accord with the

stratigraphic range of the late Eneolithic to early Bronze Age sites in the near East and the Caucasus.

- ***Discussion and Analysis of the Results of the Work Compared with Other Sites of a Similar Nature on the Pipeline Route***

As stated above, in addition to Boyuk Kasik Poylu I, Poylu II and Agildere settlements sites of the Leylatepe Culture had been identified and explored within the BTC and SCP pipeline construction corridor. Relatively large-scale excavations were conducted at the Poylu II site. Archaeological evidence from all the three sites is identical to that gathered from Boyuk Kasik. Like the Boyuk Kasik site Poylu II has also produced child jar burials.

Moreover, kurgans of the Leylatepe Culture – Soyugbulag kurgans had been found and investigated on the pipelines route. These are the earliest Eneolithic kurgans ever found in the Caucasus. The archaeological material from the Soyugbulag kurgans is also identical to that of Boyuk Kasik.

- ***Discussion of the Site within a Regional and National Context***

### **General Description of the Site**

Excavations carried out in the 1980's by I. H. Narimanov at the Leylatepe settlement site (Garabag, Azerbaijan) dating to the first half of the 4th millennium, B.C. produced unexpected results. It became clear that the archaeological material from the site, particularly pottery and child jar graves had been discovered in all the known archaeological monuments of the South Caucasus. I. H. Narimanov established that in terms of origin Leylatepe was a distinctive, self-independent archaeological monument associated with the Ubaid Culture of Mesopotamia (31. p. 271-272). By this a new archaeological culture – the Leylatepe Culture was identified in the archaeology of the Caucasus. Settlements sites associated with this culture are Chinartepe, Shomutepe and Abdal Aziztepe discovered in the same area and Misharchai IV on the Mugan plain. However these sites have not been excavated.

The 25cm thick lower layer of the Berikldeebi settlement site excavated in the 1980's represents the Leylatepe Culture (7. p. 83-86). The Tekhut settlement site in Armenia also produced Leylatepe-type pottery (3. p.81).

Leylatepe excavations allowed I. H. Narimanov to identify the basic distinctive properties of this culture. They are as follows:

1. plant tempered, rounded-based, wheel-thrown pots (quality ceramics);
2. child jar burials within settlement sites.

Excavations of Leylatepe Culture sites on the pipeline route allowed to enlarge this list of properties:

1. architectural style different from that of other archaeological cultures of the South Caucasus;
2. specific stone, bone and metal objects (39. p. 11-18);
3. presence of kurgan-type and child jar burials outside settlements (27, p. 135-138);
4. distinctive burial practices (39. p. 13); and
5. role of the Leylatepe Culture bearers migrated to the north in the formation of the Maikop Culture and the impact of the Leylatepe Culture on the succeeding Kura-Araz Culture (27. p. 136; 39. 18).

The excavations established that Boyuk Kasik was a one-layer archaeological site dating to the late Eneolithic. The cultural layer consists of four horizons numbered in top-to-bottom order. The maximum thickness of the cultural layer is 1.7-1.75m. The upper stratum (Horizon I) differs drastically from the lower strata in terms of soil composition. It was characterized by dark very clayey and extremely hard soil. The lower strata on the contrary consisted of fine ashy soil of a yellow colour. A 10cm thick layer of ash, in some places 15-20cm thick, was recorded across the entire excavation site. In most places it was this ash layer that separated Horizon I from underlying strata. Archaeological finds recovered from all four horizons were of the same nature and did not display sharp differences. However in terms of quantity and variety of finds Horizons II, III and IV were very different from upper Horizon I. The upper horizon contained less features and artefacts.

Horizon I extended from the ground surface down to 0.9-1m depth. It produced a hearth, pottery, stone and metal artefacts. No structural remains were recorded within this horizon. Quality ceramic pots made of pure plant tempered clay were sparse in Horizon I.

Horizon II extended from 0.9-1m to 1.25-1.3m depth. Structural remains were better preserved in this horizon. These were commonly of oval or rectangular shape (Figure 1, Figure 4).

Horizon III started at a depth of 1.25-1.3m and went down to 1.5-1.55m depth. There were relatively few structural remains survived in this horizon. Many hearths, storage pits and remains of pebble- and gravel-paved floors were exposed in Horizon III (Figure 2, Figure 5).

Horizon IV extended from 1.5-1.55m to 1.70-1.75m depth. A smaller number of structural remains were contained in this horizon. Better preserved were hearths and three storage pits cut into the natural layer (Figure 3, Figure 6).

The density of cultural horizons is suggestive of the extensive use of the Boyuk Kasik site by settled population. Horizons I, II and III are identical as to the characteristics of the archaeological material they contained. The major reason Horizon I did not produce any remains of structures is probably that these were constructed of mud with high clay content. Dwelling and household structures exposed in lower horizons were largely light-framed surface constructions and rarely semi-pit houses. Mud walled foundations of surface structures and mud walled upper sections of semi-pit houses were not too high. The structural remains survived mostly thanks to ash and fine-grained ashy yellow soil of these horizons. It is interesting to note that while the Shomutepe I kurgan's burial chamber was constructed of raw adobe bricks, no remains of adobe brick structures were uncovered at the Boyuk Kasik settlement site.

The number of finds at a depth between 70cm to 90cm suddenly decreased and increased rapidly again with depth. This is clearly seen in the stratigraphic statistics table. The reasons of this poor occupational phase of the site are not known.

As stated above, some of the Boyuk Kasik dwelling and household structures were semi-pit houses. These semi-pit houses dug in the natural soil were 70-80cm deep on average. The upper parts of these structures were built of wood and reed. Excavation revealed 15-20cm diameter post holes with decayed wood remnants. These were spaced approximately 30-40cm from each other around the remains of semi-pit houses and surface structures. The bottoms of the holes were hardened with clay mortar. The poles were wattled together with reed or cane and then daub was plastered on the wattle inside and out. Most probably the structures were roofed in the same manner by adding more beams.

Storage pits varied in size and were found in lower horizons. Some of these had cone-shaped cross sections, e. g. the storage pit exposed at the balk of Quadrate V and Quadrate VI had a diameter of 1m at the top and 1.55m at the bottom. The storage pit uncovered in Quadrate IVb had a diameter of 2.3m at the top and 2.6m at the bottom and was 1.2m deep. The bottom of this storage pit was plastered with a thin layer of clay. All storage pits produced pottery, stone, bone

and metal objects, faunal and cereal remains. The storage pit in Quadrate IVb had a stepped entrance on its southwest side. The pit unearthed in Quadrate IVc had a two-stepped entrance on its northeast side. This storage pit measured 1.9-2m in diameter and 1.05m in depth.

Storage pits with stepped entries had been known to archaeological science from Shomutepe - a much earlier Eneolithic settlement site in Azerbaijan located 35km south-east of Boyuk Kasik.

### **Burial Practices**

Ubaid settlement sites, including settlements of the North Ubaid - a local variety of the Ubaid Culture expanded into Northern Mesopotamia - had separate necropoli for burying adults. Children were commonly buried in jars under the floors of dwellings (17. p.87). Prior to Boyuk Kasik excavations graves with child jar burials were found at two Leylatepe Culture settlement sites – Berikldeebi and Leylatepe proper (3. p. 17-18; 8. p. 85). These burials are fully identical to the Boyuk Kasik child graves.

As far as is known it was a common practice in the majority of Neolithic and Eneolithic settlement sites of the Near East to bury infants and young children in jars. A number of researchers assume these jar graves are burials of children sacrificed to buildings (4. p. 86). Excavations at the Boyuk Kasik settlement site and Soyugbulag kurgans have shown this hypothesis is incorrect. In any case such an assumption cannot be applied to the Leylatepe Culture. As stated above, Graves 3, 4 and 5 at Boyuk Kasik were exposed close to each other on the very edge of the settlement. Moreover, child jar burials were encountered in the Soyugbulag kurgan field. The burials here were found within earth mounds over the burial chambers or in areas between kurgans (28. p. 136).

The Boyuk Kasik graves were aligned north, west and north-west. Similar graves exposed at the Leylatepe site also had northwest alignments (3. p. 17-18). It is interesting to note that both jar graves and kurgan graves at Soyugbulag were also oriented north to south or northwest to southeast. All this shows that selection of grave orientation (northwest) was an important burial practice strictly followed by tribes of the Leylatepe Culture. It is most probable that northwest alignment was an accepted burial orientation. In some cases the north or west alignment of skeletons and graves seems to be incidental and unintentional (39. p. 13).

Maikop Culture sites to a certain extent related to the Leylatepe Culture in terms of origin did not reveal child jar burials. It seems that this practice already abandoned by tribes of Leylatepe Culture did not extend into the North Caucasus.

### **Pottery Ware**

As is obvious from pottery study above, the Boyuk Kasik pottery ware reflects the major characteristics of the Leylatepe Culture. Varied ceramic pots are associated with Western Asia on the one hand, and the North Caucasus, on the other. This association manifests itself in pot forms, fabrication technique and decorative styles employed in pottery making.

The principal attribute of the Boyuk Kasik pottery which is characteristic of all the Leylatepe Culture is that the pots are made of untempered or plant tempered well-kneaded clay and thrown on a potter's wheel. They are well fired and have rounded and rarely flat bases. The potter's wheel was not used by the pre-Leylatepe culture. Neither was it employed by the Eneolithic Culture synchronous with the Leylatepe Culture nor by the succeeding early Bronze Age Kura-Araz Culture. One of the distinguishing features of Leylatepe pots is that they were moulded on a potter's wheel. Despite the absence of a genetic connection between the two cultures the bearers of the the Kura-Araz Culture adopted some elements of the Leylatepe Culture. However, they were not able to master the ceramic wheel throwing technique present in the Leylatepe Culture. It should also be noted that the coeval Maikop Culture pots were moulded on a potter's wheel (13. p. 19, 69; 21. p.329). This is one of the facts that provide proof the Leylatepe Culture migrants played a crucial role in shaping the Maikop Culture.

As noted above, the Boyuk Kasik site produced a few fragments of painted pots. The presence of only small quantities of painted pots at this settlement site is natural. Excavations carried out over many years testify that painted pottery is not typical of Eneolithic sites in the mid flow basin of the Kura river. A totally different picture is observed at such Eneolithic monuments as Kabirli and Alikomektepe located on the Mil and Mugan plains: these sites produced high numbers of painted pottery. While the ceramics from both Boyuk Kasik and other sites of the Leylatepe Culture are characterized by unpainted ware, decorative painting was most widely and commonly used on the related North Ubaid pottery. Modification of certain activities in the process of long-distance relocation from Mesopotamia to a new natural geographic area was unavoidable. The absence of painted pottery in the new environment – South Caucasus – can be accounted for by new natural geographic conditions, specificity of sources of raw materials and the fact that the local tribes did not make use of decorative painting technique in pottery making. This is why, contrary to the Ubaid ceramics, unpainted pottery is one of the major characteristics of the Leylatepe Culture.

In addition to pots the site produced other ceramic objects. These finds not only reflect the uniqueness of the monument but also bring clarity and understanding to a number of other matters.

From this point of view **“spoons”** are worth special consideration. Prior to excavations on the BTC and SCP pipelines route spoon-type clay objects had not been recorded at Eneolithic sites of Azerbaijan. Only one clay “spoon” was found by Muzaffar Huseynov in the Eneolithic layer of the Khojakhn settlement site located on the pipelines route. Miniature bone “spoons” had been known from excavations at Kultepe I and Ilanlitepe sites (1. Plate XVII.9; 30. Figure 25). Relatively close analogues of this “spoon” were also discovered at such early Bronze Age settlement sites as Babadervish and Sarkartepe (9. p. 63; 26. Plate XIV.9). All these objects seem to have the same function – presumably, they were used for carrying out metal founding.

The discovery of clay **“nails”** is also a rare phenomenon. Clay “nails in the South Caucasus were found only at the Leylatepe site (3. p. 51). These objects were recorded at both South Ubaid and North Ubaid archaeological sites (19. p. 147-148). They are indisputable material evidence of the links between the Leylatepe and Boyuk Kasik sites and Mesopotamia.

Particularly noteworthy was the discovery at Boyuk Kasik of clay **moulds** used in metal founding. As said above, one of these resembles in shape a stone axe of Eneolithic date (Plate XX.16). Metal axes with a similar shape were revealed at sites of the succeeding Bronze Age Maikop Culture and Tell-Khazna site in Syria (23. Figures 1, 4, 5). However until now no such metal axes have been found at other Eneolithic sites, including sites of Leylatepe type. One fact related to this issue should be mentioned at this point.

In 1985 two metal axes were delivered to the Museum of History and Local Studies of Khindiristan, Agdam District. The axes were found by accident in the vicinities of the village. One of these was flat and had the shape of a hoe (29. p. 11, Figure 2.1). In terms of shape and size this axe is very similar to the mould found at Boyuk Kasik. The shape of the Boyuk Kasik mould suggests it was intended for making socketed axes where a wooden handle was fastened into the socket. The Boyuk Kasik mould could also be used for making Khindiristan-type axes.

It is most likely that the axe under discussion was manufactured at the Leylatepe settlement site firstly because the site is located in close proximity to Khindiristan and secondly because the mould matching in shape with this axe was recovered from Boyuk Kasik – a site of the Leylatepe Culture. There are black marks inside the mould, most probably caused by intensive heat in the process of metal melting. Strictly speaking, this mould consisted of two similarly shaped parts fastened mouth-to-mouth in the production process. Only one part of the mould was found. It measures 11cm in length by 5.5cm in width.

Moulds of this type had been found so far at Kura-Araz Culture sites of Azerbaijan. The clay mould from the early Bronze Age layer of the Garakopektepe settlement site, Fuzuli District (38. Plate VI), is more similar to the second mould recovered from the Boyuk Kasik site. The Boyuk Kasik moulds are the earliest finds of this sort not only in Azerbaijan but in the South Caucasus as a whole.



Along with other things the clay **stamps** found at Boyuk Kasik are important to establish the chronology of the site. Both stone and clay stamps have been known in the Near East since the Neolithic period. Nearly 600 stamps were recovered from the North Ubaid Culture layer of the Tepe Gavra site. The coeval layer at the Tell Arpachi site also produced large quantities of such stamps. The discovery of pottery with imprints of such stamps suggests that they may have been used not only as amulets but also as stamps. The images on the North Ubaid stamps are largely of horned animals, with those of a single goat prevailing (18. p. 367-368). The Boyuk Kasik stamps are also close parallels to the north Ubaid Culture stamps in both form and content.

The **anthropomorphic figure** found at Boyuk Kasik is one of the noteworthy artefacts that reveals the presence of genetic links between this monument and Mesopotamia. This figure is significantly different in both form and content from the figures recovered from other coeval sites of the South Caucasus.

Pot-bellied, matreshka-type clay figures of women in a semi-sitting posture are typical of early farming societies of the South Caucasus and Near East, including the North Ubaid Culture (8. Figure 125-126; 17. p. 86). In this respect classic feminine figures of the South Ubaid are particularly notable. These depict standing broad-shouldered women with proportionate bodies and hands folded across chest. However their heads bear no resemblance to human's and look like heads of some misshapen and ugly beings (44. Plate 20). The Boyuk Kasik figurine is more similar in shape to the North Ubaid figures. Unfortunately, it is impossible to say anything definite about its facial features as the head of the figurine was not found.

It is commonly accepted that one of the groups of the Ubaid Culture tribes migrating to the east reached Central Asia. Excavation in south Turkmenistan revealed a large amount of archaeological evidence reflecting the impact of the Ubaid culture. Among these materials were clay figurines identical to the Ubaid anthropomorphic figures. However, these archaeological monuments in south Turkmenistan are approximately 1000 years later than the date of the South Ubaid Culture (18. p. 424). As anthropomorphic figures were embodiment of ideology and religious outlooks the images they bear resided in human minds for centuries. The migration of the tribes of the Ubaid Culture to Central Asia and the Caucasus took place over several centuries and in several different stages. During these migrations they passed through different natural geographic areas which brought about modifications in their material culture. But ideology and spiritual traditions (anthropomorphic figures, burial practices, etc.) were retained in the memories of the Ubaid Culture tribes over centuries and applied in all geographic areas, including the South Caucasus and south Turkmenistan.

As stated above, one clay **zoomorphic figure** was recovered from Boyuk Kasik. Similar zoomorphic figures made of clay were revealed at Yarimtepe III monument of the North Ubaid Culture. More of these were found at the Ubaid cultural layers of the Tepe Gavra and Tell Arpachi settlement sites (19. p. 147-148).

Zoomorphic figures are not typical of Eneolithic sites of the South Caucasus, including Azerbaijan. However, one such figure was found on the BTC pipeline route at Tovuz in 2005 excavations. It came from the Eneolithic layer of the Khojakhan settlement site (37. p. 84). Figures of this type were found at Kultepe I (1. Plate XXV) and Babadervish (11. Plate XVII.2-5) sites, at sites in the Guruchai and Kondalenchai rivers valley (38. p. 28, Plate V) and other settlement sites of the Kura-Araz Culture.

Until now a clay figure of Eneolithic date was found only at the Chalagantepe settlement site in Garabag. This was an image of the head of a young bull (28. p. 10-11). Unlike the Boyuk Kasik figure and later Kura-Araz period figures it was larger and executed in a different style and content.

## Stone Assemblage

The Boyuk Kasik site yielded querns, pounding tools, handstones and different cutting tools.

**Querns** (Plate XXVII; Plate XXVIII.1, 3). These were narrow, elongated, in some cases large boat-shaped querns chipped out of grey or black porous tufa stones. Large, boat-shaped querns (Plate XVII.1) were possibly stationary and made steady and secure by putting small pebbles around them. They remained stationary and were extensively used over long periods of time. One of the querns was possibly reused as a pestle (Plate XXVIII.2).

Fragments of broken querns were sometimes reused as padstones (Plate XXVII.3; Plate XXVIII.2).

Fragment of a round stone originally used a padstone was found. Both sides of the stone show marks of considerable use (Plate XXVIII.4).

Flat, quadrangular-shaped river stone was recovered from a storage pit in Quadrate IVc. Thickness – 12cm, size – 20 x 21 x 22cm. The edges and both surfaces of the stone were smooth. Possibly it was used as a padstone (Plate XXXI.4).

**Pounding tools** (pestles and handstones). For this purpose river washed stones were used (Plate XXVIII.5; Plate XXIX.1-3; Plate XXX; Plate XXXI.1, 3, 5, 6). Unlike similar tools recovered from other coeval sites of the area the Boyuk Kasik pounding tools are carelessly executed. The Boyuk Kasik inhabitants chose river stones fit for pounding and used them directly without additional chipping and smoothing for a secure hand grip. Therefore pounding stones providing comfortable grasping were rarely encountered which is accounted for by the natural shape of stones. The majority of pounding tools have marks of use at both ends. Unlike pestles the handstones show wear on both sides. Probably, after one side of the stone was worn out and crumbled the other side of the stone began to be used to provide a secure grip.

**Cutting tools.** Large amounts of stone tools recovered from the site are no doubt represented by flint and obsidian cutting tools (Plates XXXII-XXXVIII). These are sickle teeth, knives and other cutting and piercing tools of different types. The Boyuk Kasik stone assemblage, particularly flint and obsidian blades greatly differ from their parallels encountered at Shomutepe-type archaeological sites in terms of sources of raw materials. The number of flint tools recovered from the Boyuk Kasik and coeval Poylu II and Agilidere sites is significantly larger than those made of obsidian. Both sites yielded very large flint nuclei and a mass of production waste. The Boyuk Kasik flint tools formed 89.6% of the total number of stone cutting tools, while obsidian tools constituted 10.4% of this assembly. Excavation Site I produced 730 flint and 73 obsidian tools. The number of flint and obsidian tools recovered from Excavation Site II was accordingly 247 and 38. Given below are stratigraphic statistics of the tools retrieved from Excavation Site II:

Depth	Flint Tools	Obsidian Tools
0-30cm	26	7
30-50cm	15	3
50-70cm	10	1
70-90cm	4	2
90-110cm	13	1
110-130cm	47	8
130-150cm	94	12
150-175cm	38	6
<b>Total</b>	247	38

Shomutepe Culture settlement sites located nearby show a totally different picture. While flint tools formed a large percentage of the stone tools at the Leylatepe Culture Agilidere site excavated at KP 358, BTC Row, a site of local Eneolithic date located only 3km away at Khojakhon (KP 361) produced significantly more obsidian tools.

It is interesting to note that despite the presence of rich flint sources located nearby in the Agstafa river bed and its banks the inhabitants of the late Eneolithic early Bronze Age site of Babadervish largely made use of obsidian (10. p. 132). The ancient inhabitants of other Shomutepe-type settlements also preferred obsidian imported from distant sources. Obsidian accounted for 87% of Shomutepe, 83.7% of Toyratepe and 84% of Garagalaratepe stone cutting tool assemblages (6. p. 48; 63. p. 72). Although there were rich flint sources located in nearby areas, Shomutepe tribes gave more preference to the obsidian imported from distant sources. Obsidian sources are located in Kelbajar, Zangazur (Western Azerbaijan), Goyam, mountains around Goycha, Akhaltsikh District (Georgia) and around Lake Paravana (6. p. 27-28).

Prevalence of flint tools at Boyuk Kasik, Poylu II and Agilidere sites could possibly be interpreted as follows. Firstly, it should be noted that the inhabitants of Boyuk Kasik, Poylu II and Agilidere were largely cognate with the people of the Near East – Mesopotamia. Available obsidian sources were located in Lake Ajigol basin in Central Anatolia and Lake Van basin west of Central Anatolia. There were no sources of obsidian in other regions of the Near East, including Iran and Iraq (6. p. 25; 30. p. 96). Ubaid tribes of Mesopotamia located a relatively long distance from the sources in Anatolia were more skilled at making flint tools.

Despite the well organized “obsidian trade”, flint predominated at the Yarimtepe I and Yarimtepe II sites of the pre-Ubaid Hassun and Halaf Cultures in Northern Mesopotamia. These sites are located at a distance of over 400km from the nearest obsidian source situated on the west shore of Lake Van. Flint formed 77% (385) and obsidian formed 23% (115) of the total flint and obsidian tool assemblage from the Yarimtepe I site measuring about 2m in thickness and covering an area of 400sq. m. The Yarimtepe II excavation site that measured 7-7.5m in thickness and covered an area of 500sq. m yielded 380 flint flakes and 180 obsidian flakes. The amount of obsidian considerably decreases at both these sites and at later layers of other archaeological sites of the region, including early Ubaid Culture layers (24. p. 114-118, 217-218). The multi-layer Tell Khazna settlement site identified as dating to the Ubaid, Uruk and early Dynastic Periods produced flint cutting tools. All of these blades could be said to have been used as sickle teeth. Some of these are thought to have been used during religious rites (22. p. 106-107; 25. p. 36).

Flint was still preferred by these tribes even after they moved to the South Caucasus and gave rise to the new Leylatepe Culture. In addition, the inhabitants of Boyuk Kasik were probably unaware of the natural resources, including obsidian mines of the new area. Obsidian was not directly mined by these people but was obtained through barter exchanges from local tribes in the form of ready-to-use or half-manufactured tools. This view is supported by the scarcity of obsidian chippings and by the fact that almost all of the bits and pieces of obsidian were finished tools. The ancient inhabitants of the site seem to have used obsidian as economically as possible.

One more fact should be noted at this point. The site revealed 4 **arrow heads** – rare finds for a late Eneolithic site. All four were chipped out of translucent obsidian (Plate XXIX.4-8).

Excavation revealed a large amount of material evidence of relationships between the inhabitants of Boyuk Kasik and neighbouring tribes. Nonetheless, they retained their specific skills in making stone tools. The prevalence of flint tools is one of the basic characteristics of the Leylatepe Culture.

The majority of cutting tools recovered from the site are sickle teeth (XXXII.12-23; Plate XXXIV.1-12; Plate XXXVIII). These were largely serrated on one side and fastened to the wooden sickle with bitumen. Many of flint sickle teeth have vestiges of bitumen. In several instances sickle teeth were found together with bitumen. In this respect the most noteworthy find was the discovery of a complete flint-toothed sickle. It was exposed at 1.35cm depth in Quadrat 7f. Although the wood to which the sickle teeth were fastened fully decayed, the alignment of the teeth gives a complete idea about the shape and size of the sickle. The survived part of the tool is

23.5cm long by 4cm wide. The overall shape and teeth alignment suggest that this is an Alikomektepe-type sickle (6. p. 87).

**Knife-type tools** were particularly neatly executed (Plate XXXII.1-4; Plate XXXIII.1-3, 5; Plate XXXVII). These have elongated shape and are finely serrated. Obsidian flakes with only some edges serrated were used for specific purposes (Plate XXXII.5-11).

**Stone slingshot balls** should also be noted (Plate XXXI.2). These specially selected river washed stones with smooth surfaces have globular or slightly oval shape. Excavation Site I on the northeast side of the monument produced 167 stone balls, while Excavation Site II located closer to its centre yielded only 30 such stone balls.

One of the most noteworthy artefacts is an 18cm diameter perforated object in the form of a large spindle whorl. The object chipped out of a porous tufa stone was exposed at 85cm depth in Quadrat X and is thought to be a fragment of a **potter's wheel** (Plate XXIX.9). Ethnographic parallels endorse this view. As described in the relevant literature, the upper and lower wheels - the most important parts of foot-powered potter's wheels - were commonly semi-globular in shape and made of wood (2. p. 33, Plates XI, XII). However the use of a stone wheel at Boyuk Kasik in the 4<sup>th</sup> millennium, B.C. cannot be excluded. A heavy disk-shaped fragment of a clay potter's wheel was found in the Uruk period layer (second half of the 4<sup>th</sup> millennium, B.C.) of the site of Ur in Mesopotamia (17. p. 92). Although a portion of the ceramic assemblage from Leylatepe Culture sites is wheel-thrown, no fragments of a potter's wheel had so far been found. In this respect the Boyuk Kasik wheel is of paramount scientific importance.

The surface material collected from the site includes one stone **bead** (Plate XXIX.6). The bead chipped out of a white soft stone has the shape of a flat disk and measures 8mm in diameter and 4mm in thickness. Similar beads were recovered from the Eneolithic layer of the Kultepe site (1. p. 117).

So the Boyuk Kasik stone assemblage is the principal source for defining the basic characteristics of the stone tools associated with the Leylatepe Culture. The stone tools from this site are significantly different from those attributed to other Eneolithic cultures.

### **Bone Objects**

A certain proportion of finds is represented by bone objects. Over 50 bone items were found at the Boyuk Kasik site. These were commonly exposed below a depth of 1.2m.

The majority of bone artefacts are different types of **awls** (Plate XXXIX; Plate XL.11). 27 awls were recovered from Excavation Site I and 7 awls from Excavation Site II. The awls were made of small or large bovid shin-bones. When making piercing awls of small bovid shin-bones one of the epiphyses was usually retained to provide a comfortable hand grip for the user. Awls were made also of large bovid shin-bones cut in half lengthwise. The sharp tips of the awls and in general the surfaces of most of the bone objects became burnished from long use which prevented these objects from decaying in the lower strata of soil.

A bone selected for making an awl was perfectly chipped and polished smooth only at one end. The other parts of the bone were not properly chipped or polished. When it was not possible to retain the epiphysis or an awl was carved out of a large bovid shin-bone, additional material, most possibly bitumen was used for the hand grip part of the tool. The awls found at Boyuk Kasik are typical of all Eneolithic sites of the South Caucasus.

**Bone objects sharpened at both ends** are worthy of particular attention (Plate XL.7-8). Three such objects were recovered from the site: one from Excavation Site I and two from Excavation Site II. The surfaces of these tools became burnished from extensive use. This is why their use as awls is less probable. Although it is difficult to draw any definite conclusions about the function of the tools, they probably were used as pins. Measuring 3.5-4cm in length the tools have a circular cross section and are smaller than the other bone objects. It could be that these tools were

remade fragments of broken pins or needles. Similar bone objects were recorded at such Eneolithic sites as Kultepe I (1. Plate VIII.15), Ilanlitepe (30. Figure 40) in Azerbaijan and Shulaveris-Gora, Imiris-Gora and Arukhlo in Georgia (8. Figures 102, 103, 109).

Such bone objects were also contained in the early Bronze Age layer of the Sarkartepe settlement site in the north-east of Azerbaijan (26. Plate L.6-16). D. L. Musayev who carried out excavation at the site interprets these objects as arrow-heads (26. p. 64). It is very hard to accept this interpretation because, as stated above, these tools have well burnished surfaces resulting from long use. This is not characteristic of arrow-heads. In addition the tools are sharpened at both ends what excludes their use as arrow-heads.

The bone tool assemblage includes a few *needles* (Plate XL.4-6). Three of these were found at Excavation Site I. In addition one needle or pin tip was recovered from here. Excavation Site II produced a fragment of a pin or needle and a piece of bone half-treated into a needle. All of the needles are very carefully executed and have burnished surfaces resulting from long use. Their rear ends are flat and triangularly shaped and have a thread hole in the centre. The needles have a circular cross section, their length varies between 5cm and 12cm. Needles are rare finds at sites of the Shomutepe Culture in the Gazakh-Ganja area (30. p. 113). Imiris-Gora, Arukhlo, Khramis Didi-Gora sites in Western Georgia produced on the contrary large quantities of needles (8. p. 214-218).

*Pins* are similar to needles in size and shape (Plate XL.1-3). The only distinguishing feature is the absence of a thread hole in the rear triangularly shaped end of pins. Similar to needles the surfaces of pins became burnished from extensive use. Three pins were recovered from Excavation Site II. Sharp-pointed bone tools include also an object with a nipple-shaped end found at Excavation Site II (Plate XL.9). The upper end has a circular cross section; the remaining part is rectangular and slightly oval. Bone tools of a similar shape were interpreted as one of the varieties of awls (30. p. 112). However the probability of their use as awls was not evident on the Boyuk Kasik example as it had a thick nipple-shaped end. In addition the surface of this tool was not burnished as distinct from the bone tools that became burnished from regular use. Based on these characteristics this object is assumed to be an arrow-head. An identically shaped bone object was revealed at Chalagantepe site (30. Figure 44.1).

Fragment of a *knife-type* bone object was found at Excavation Site I. Both sides of the tool made of a small bovid rib bone were well burnished, however with no marks of serration. Knife-type bone tools have been known from excavations of sites of the Shomutepe Culture – Babadervish (30. Figure 31). Imiris-Gora and Arukhlo (8. Figures 104, 108) and other sites.

Fragment of an *object chipped out of an animal rib-bone* is one of the bone finds deserving special consideration (Plate XL.12). The rib-bone is girded with five parallel equally spaced incised lines. It is very hard to determine its function. A similar object made of a rib-bone but girded with incised lines in the central part was recovered from the Eneolithic layer at Kultepe I (1. p. 65, Figure 7.12). The Arukhlo settlement site in Georgia also produced a similarly shaped object (9. Figure 108).

Carved bone *zoomorphic figurines* are of peculiar interest (Plate XL.14-16). Three figurines were found at Boyuk Kasik. All three are made of small bovid shin-bones. The widest end of the bone is skilfully carved into the shape of an animal's head. By all the characteristics all three appear to be dog head figurines. Apart from few insignificant details all three are alike. One of these was completely soot-blackened.

Unlike carved bone human figurines those of animals had not been recorded so far at Eneolithic sites in the South Caucasus. In this respect the discovery of zoomorphic figurines at Boyuk Kasik can be regarded as a rare event.

Two bone *spindle whorls* were recovered – one from each of the two excavation sites (Plate XL.10). These are semi-globular in profile. Shomutepe Culture sites and other sites of the Eneolithic period had not produced carved bone spindle whorls. These were commonly used during the Kura-Araz period.

Based on excavation of Eneolithic sites in the Kura River mid flow basin it was established that bone tools were not recorded in high numbers in the lower, i. e. early Eneolithic layers of Shomutepe Culture sites. In the later stages bone becomes much more widely used - the number and variety of bone objects increases (8. p. 214, 216). The Boyuk Kasik bone assemblage also attests to a high level of development of bone carving during the final stage of the early farming and cattle breeding culture. The succeeding Kura-Araz Culture shows a decrease in the use of bone. O. H. Habibullayev asserts that a smaller number of bone awls recovered from the early Bronze Age layer of Kultepe I as compared with the Eneolithic layer of the site are accounted for by the appearance of bronze awls that replaced bone (1. p. 118). It is interesting to note that only a few bone tools were found at the Leylatepe site. Researchers relate this to a wide use of metal in households and production (3. p. 73). However, Boyuk Kasik excavations demonstrate that these views cannot be accepted as true because this Eneolithic site contained rich deposits of both metal and bone artefacts.

From this point of view the Sarkartepe settlement site is also worth special consideration. The early Bronze Age layer of this site produced large quantities of both bone and metal objects (26. p. 61-67).

So, according to the above discussion, it can be concluded that the Boyuk Kasik bone assemblage integrates a number of properties of its parallels from both preceding and succeeding historical periods. It can also be inferred that the rich bone assemblage of the site has brought clarity into the issues related to the study of history of bone carving in the late Eneolithic Period.

### **Metal-working**

It was possible to identify 15 types of relatively well preserved objects of the metal assemblage recovered from the Boyuk Kasik site. The chemical composition analysis showed that these objects were made of pure copper with no artificial admixture. The results of the analysis are provided in the following table:

Object	An. №	Elements											
		Au	Cu	As	Sn	Ag	Pb	Sb	Zn	Fe	Co	Ni	Bi
Dagger	25	$<5 \cdot 10^{-4}$	96.80	0.0008	0.0410	0.00016	0.014	0.0027	0.0180	0.034	0.0540	0.0540	0.0006
Awl	26	$<5 \cdot 10^{-4}$	97.86	0.0008	0.0120	0.00001	0.0060	0.0006	0.0107	0.024	0.0001	0.0005	0.0008
Awl	27	$<5 \cdot 10^{-4}$	96.90	0.0012	0.0080	0.00003	0.0050	0.0006	0.0012	0.012	0.0005	0.0024	0.0007
Awl	28	$<5 \cdot 10^{-4}$	96.42	0.0019	0.0120	0.00002	0.0056	0.0008	0.0018	0.016	0.0009	0.0016	0.0006
Awl	29	$<5 \cdot 10^{-4}$	97.14	0.0021	0.0140	0.00004	0.0048	0.0005	0.0007	0.009	0.0006	0.0015	0.0012
Awl	30	$<5 \cdot 10^{-4}$	96.15	0.0012	0.0160	0.00003	0.0034	0.0009	0.0012	0.008	0.0012	0.0012	0.0005
Awl	31	$<5 \cdot 10^{-4}$	97.50	0.0020	0.0024	0.00006	0.0030	0.0007	0.0008	0.012	0.0005	0.0016	0.0007
Awl	32	$<5 \cdot 10^{-4}$	95.80	0.0016	0.0018	0.00007	0.0051	0.0012	0.0010	0.014	0.0001	0.0017	0.0004
Awl	33	$<5 \cdot 10^{-4}$	97.54	0.0008	0.0120	0.00002	0.0060	0.0016	0.0080	0.016	0.0002	0.0012	0.0008
Dagger fragment	34	$<5 \cdot 10^{-4}$	96.44	0.0006	0.064	0.00002	0.086	0.0008	0.0005	0.062	0.0003	0.0140	0.0005
Dagger fragment	35	$<5 \cdot 10^{-4}$	96.90	0.0005	0.0028	0.00001	0.021	0.0006	0.0007	0.057	0.0002	0.009	0.0006
Slug	36	$<5 \cdot 10^{-4}$	93.60	0.0008	0.0460	0.00003	0.096	0.0007	0.024	0.012	0.0001	0.0012	0.0004
Knife fragment	37	$<5 \cdot 10^{-4}$	96.14	0.0004	0.016	0.00001	0.0630	0.0012	0.096	0.021	0.0002	0.0140	0.0006
Awl fragment	38	$<5 \cdot 10^{-4}$	97.50	0.0005	0.024	0.00001	0.0012	0.0008	0.0080	0.010	0.0002	0.0006	0.0007
Knife fragment	39	$<5 \cdot 10^{-4}$	96.80	0.0008	0.013	0.00001	0.0060	0.0021	0.0008	0.010	0.0001	0.0008	0.0008

The chemical composition analysis of eight metal objects found at the Leylatepe site showed that two of them contained arsenic (3. p.135). The Eneolithic layer at Kultepe I site revealed seven metal objects in the horizons dating to the end of the 5th millennium and the beginning of the 4th millennium, B.C. Two of these also contained a small amount of arsenic (1. p. 78-79).

Prior to Boyuk Kasik excavations the Eneolithic sites of the South Caucasus had yielded over forty metal objects altogether. The majority of these were found at sites in Azerbaijan. Boyuk Kasik is an Eneolithic site of the South Caucasus that has by now produced the highest number of metal objects. Metal assemblages from Boyuk Kasik and Soyugbulag have allowed the total number of Eneolithic metal finds in the South Caucasus to be raised in excess of sixty. Only fifteen metal objects contain slight arsenic admixtures, including dubious cases.

Subject to the presence of arsenic impurities in copper I. R. Salimkhanov, a prominent investigator of the history of metals, denied the existence of the Eneolithic period in the South Caucasus and put forward an idea of direct transition from the Neolithic to the Bronze Age. According to him the period called Eneolithic was in fact part of the Neolithic period in the South Caucasus (32. p. 11).

It appears that there is no reasonable ground for denying the existence of an entire historical period in the South Caucasus and establishing a new chronological classification. The research that has taken place in the past few years, particularly Boyuk Kasik excavations have proved once more that this view cannot be accepted as true knowledge.

One more important issue should be dealt with in connection with metal finds at Boyuk Kasik. In addition to metal objects proper, the site contained also a fragment of a melted ingot and clay moulds indicating that metal-founding was an active craft in the area (Plate XX.15-16). Until these excavations only one clay melting pot had been known since excavations at the Eneolithic site of Khantepe in Fuzuli District (35. p. 14). Excavations at Leylatepe produced remains of metal melts (3. p. 71).

All this attests to a high level of development of metal production, existence of metal founding and hot forging in the Eneolithic, especially during the final stages of this period. However up to now moulds for metal founding had not been recorded at Eneolithic sites of the South Caucasus. The clay moulds from Boyuk Kasik are the first and earliest finds of this sort in the South Caucasus. It is interesting to note that although Boyuk Kasik-type moulds were not found at other Eneolithic sites, their close parallels were discovered at Kultepe I (1. p. 138, Plate XXII), Garakopektepe (38. Plate VI) and Sarkartepe (28. Plate XXXVII) settlement sites of the Kura-Araz Culture. So, this archaeological evidence allows us to assert that the Leylatepe Culture traditions played a crucial role in the formation of the early Bronze Age metallurgy in Azerbaijan and the entire South Caucasus. Moreover, the discovery of moulds of the same type at both Boyuk Kasik and sites of the Kura-Araz Culture provides new opportunities for establishing a more precise chronological framework for the early Bronze Age Culture.

Clay moulds for casting hoe-shaped axes were found at the Near East archaeological sites dating to the end of the 3<sup>rd</sup> millennium and the beginning of the 2<sup>nd</sup> millennium, B.C. (23. p. 23). However these moulds differ from the Boyuk Kasik and Kura-Araz moulds in both form and purpose. The moulds from Boyuk Kasik, Kultepe I, Garakopektepe and Sarkartepe are the products of local culture and provide sufficient proof of existence of distinct genetic links between the Eneolithic and early Bronze Age metal-working traditions.

Although the Leylatepe Culture was genetically related to the North Ubaid, it assimilated some of the major characteristics of the local Eneolithic Culture. First and foremost it applies to metal-working. The metalware recovered from Leylatepe Culture sites is more in line with the metal-working traditions of the local Eneolithic culture of the South Caucasus.

Leylatepe and Boyuk Kasik excavations attest to a high degree of development of local metal-working culture in the 4<sup>th</sup> millennium, B.C.

Archaeological research that has been carried out over the last few years in a number of sites in Mesopotamia and the North Caucasus has yielded sufficient data to unequivocally state that the development of the North Caucasus-Maikop Culture metallurgy is directly associated with Mesopotamia. Researchers also relate this to the migration of late Uruk tribes from Mesopotamia



to the North Caucasus during the Bronze Age and are more inclined to think that the major cause of a high level of development of Maikop metallurgy lies not within the cultures of the South Caucasus, Iran or Anatolia but that of Mesopotamia (23. p. 14). One fact should be pointed out here: not denying the existence of certain genetic connection between the Maikop Culture and Mesopotamia, excavations carried out in the past few years at Leylatepe Culture sites (Leylatepe, Boyuk Kasik, Soyugbulag, etc.) have provided evidence that the Mesopotamia – Maikop relationships had not yet been established during the Uruk period at the end of the 4<sup>th</sup> millennium, B.C. but were realized in a new quality via the South Caucasus route in the middle of the 4<sup>th</sup> millennium, B.C. In this case a certain degree of impact of the South Caucasus Leylatepe Culture on the development of the Maikop Culture, including its metallurgy was unavoidable.

#### • *Recommendations Regarding the Protection of the Site or Future Research*

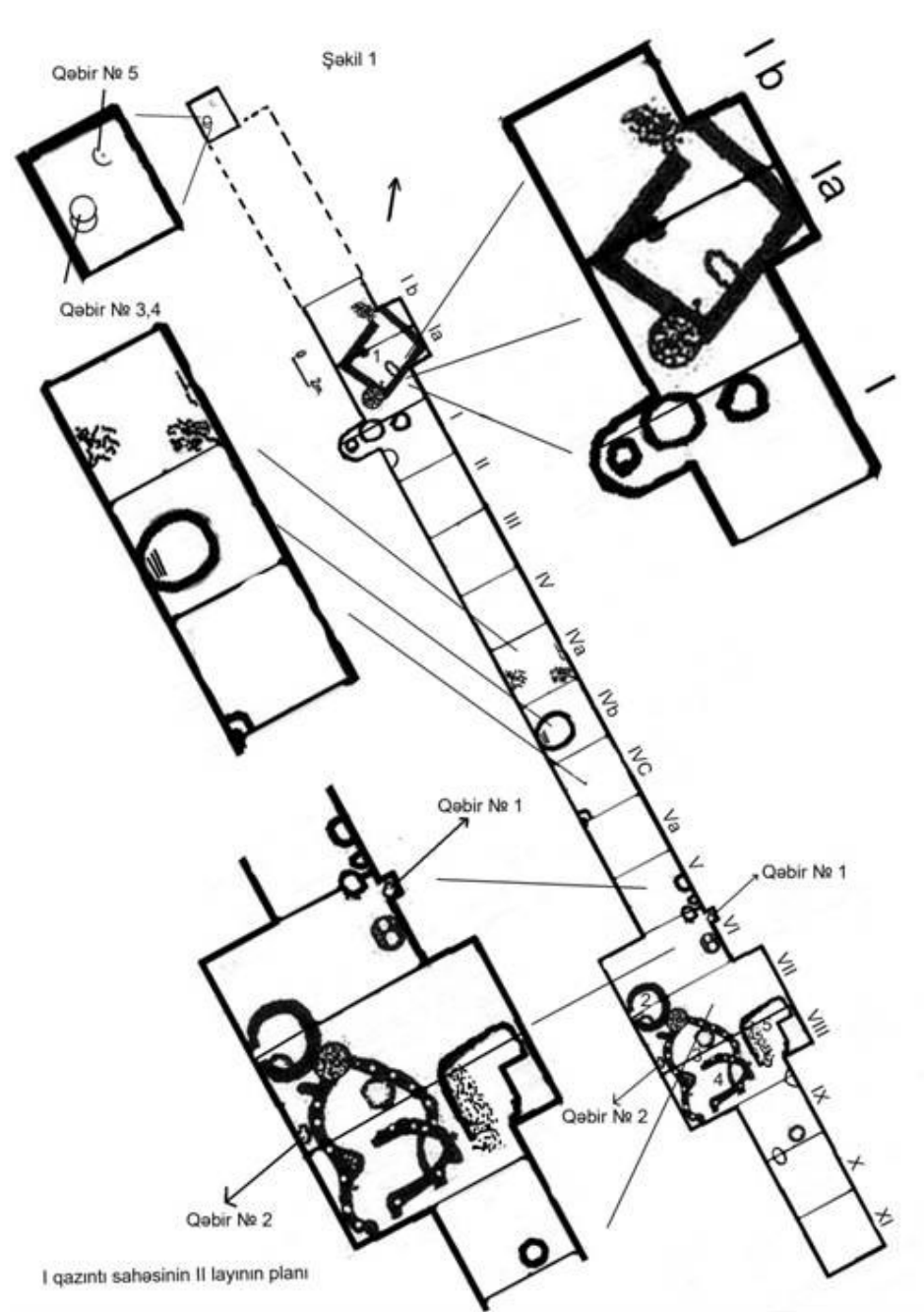
Excavations have shown that Boyuk Kasik is one of the monuments that are unique not only for Azerbaijan but for the entire Caucasus and the Near East region. Archaeological evidence recovered from Boyuk Kasik excavations are of paramount significance for resolving a number of urgent scientific problems. It is, therefore, very important to protect the site for future research. To this end all economic activity in the immediate area and vicinity of the site should be halted.

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## VI. Illustrations



Qəbir – Grave.

Figure 1. Excavation Site I - Horizon II.

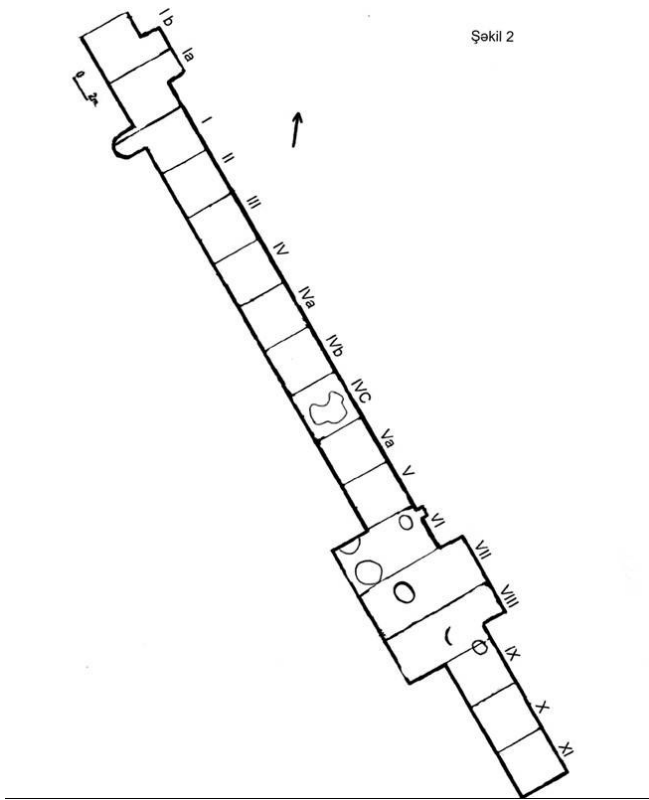


Figure 2. Boyuk Kasik Excavation Site I - Horizon III.

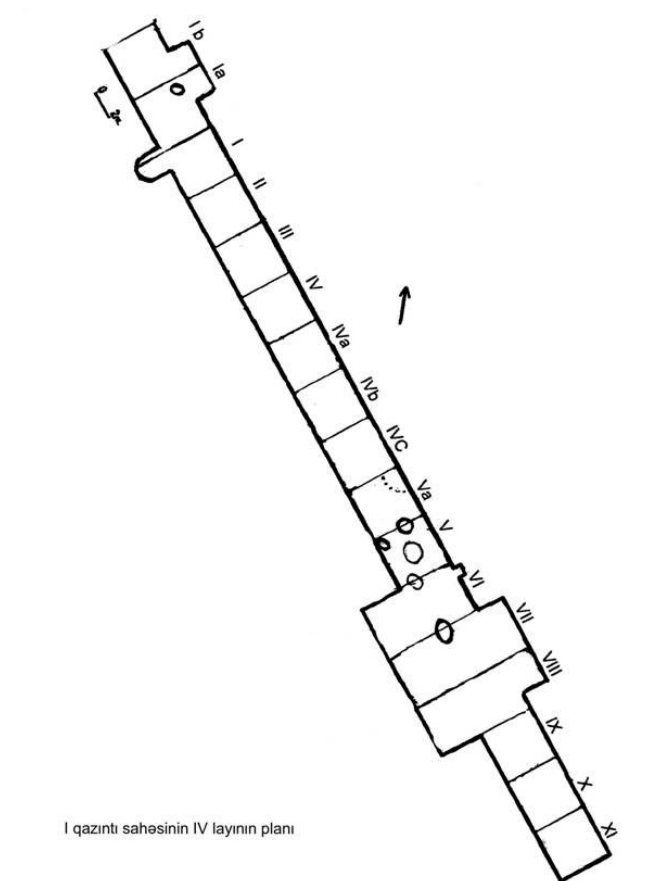
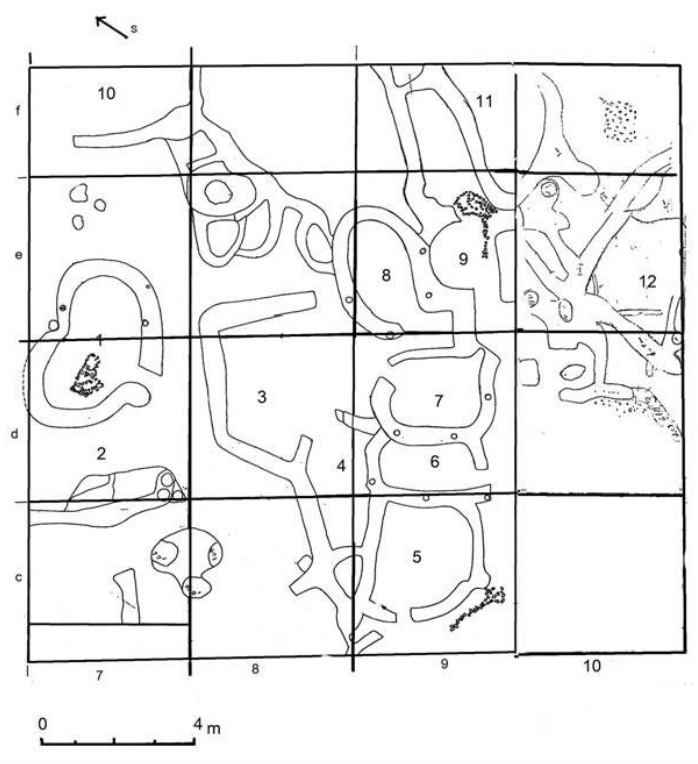
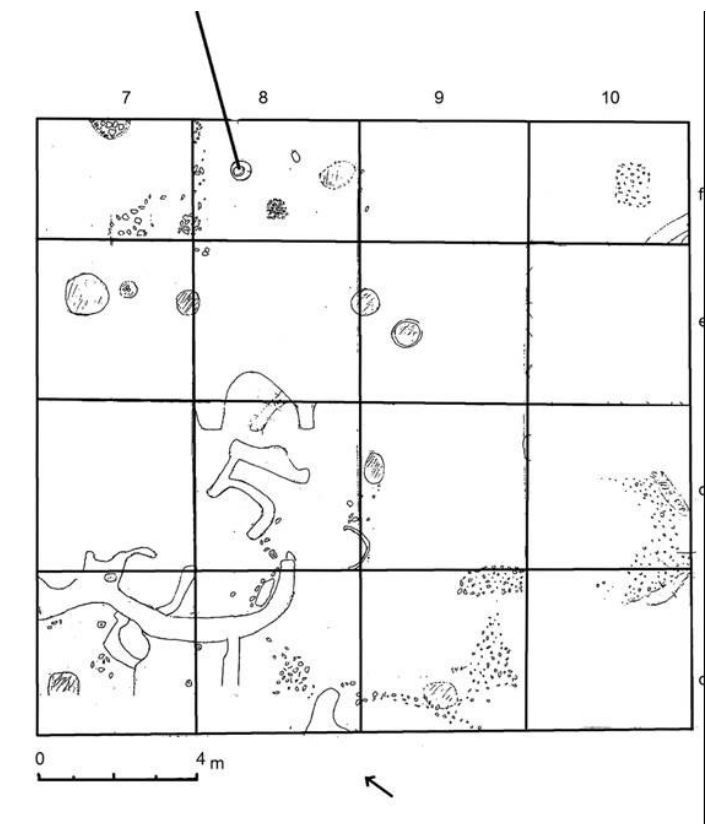


Figure 3. Boyuk Kasik Excavation Site I - Horizon IV.

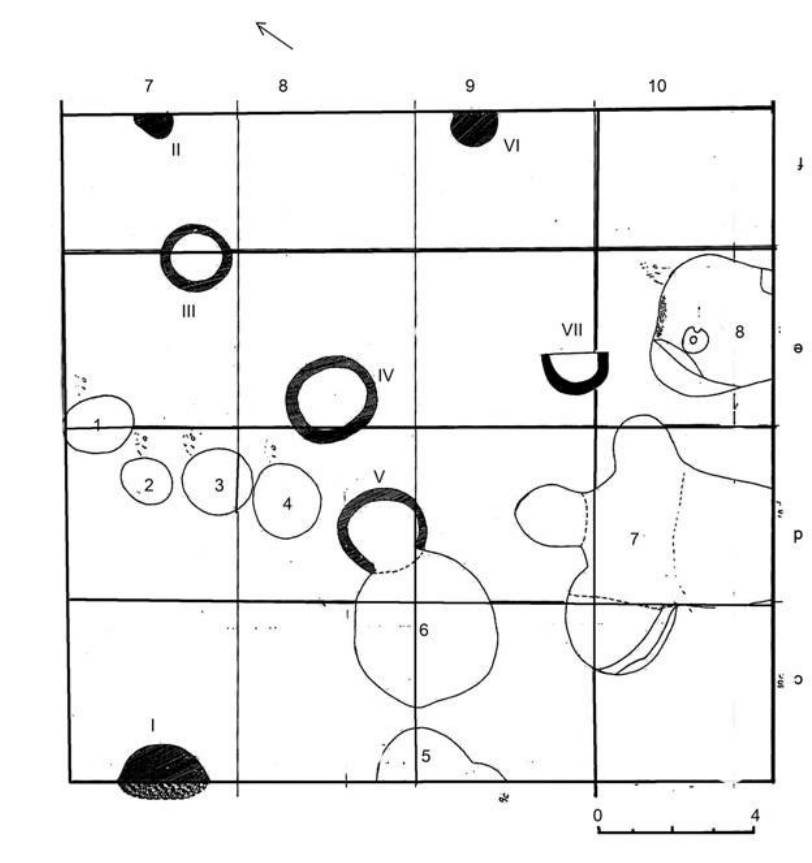


**Figure 4. Boyuk Kasik Excavation Site II - Horizon II.**

### Grave 6



**Figure 5. Boyuk Kasik Excavation Site II - Horizon III.**



- - hearths
- - storage pits

**Figure 6. Boyuk Kasik Excavation Site II - Horizon IV.**



**Photo 1.**





**Photo 2. Boyuk Kasik. Remains of Structures 3 and 4.  
Excavation Site I - Horizon II.**



**Photo 3. Boyuk Kasik. Remains of Structure 1.  
Excavation Site I - Horizon II.**



**Photo 4. Boyuk Kasik. General view of structural remains.  
Excavation Site II - Horizon II.**



**Photo 5.**





**Photo 6. Boyuk Kasik. General view of structural remains.  
Excavation Site II - Horizon II.**



**Photo 7. Boyuk Kasik, Grave 1.**



**Photo 8. Boyuk Kasik, Grave 1.**

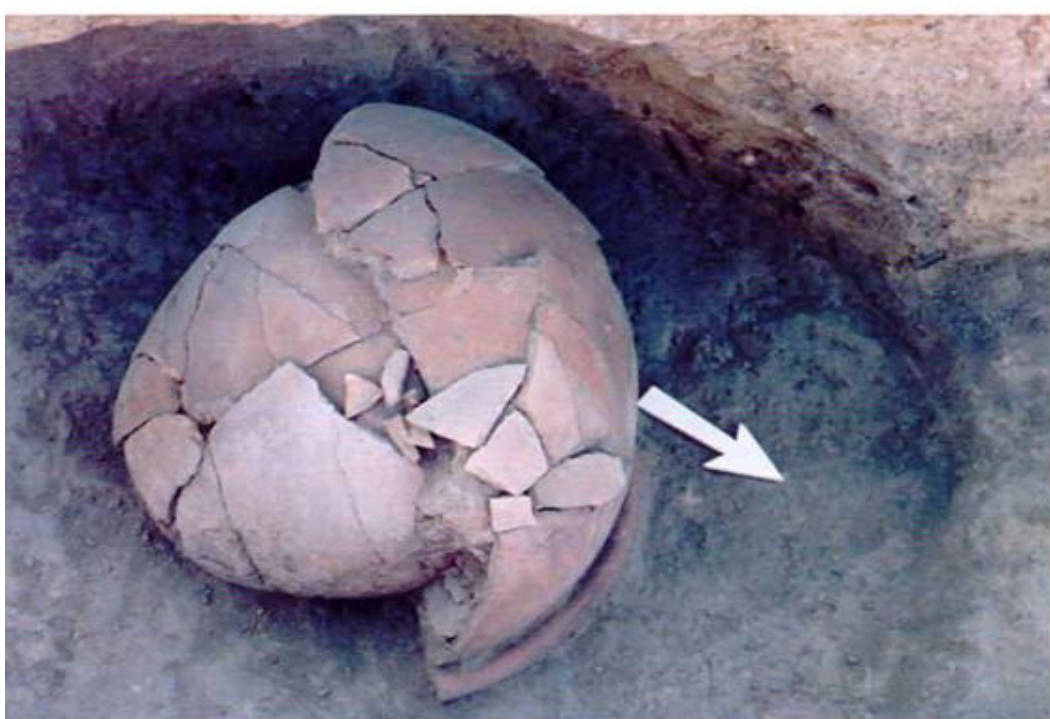


**Photo 9. Boyuk Kasik, Grave 1.**





**Photo 10. Boyuk Kasik, Grave 1.**



**Photo 11. Boyuk Kasik, Grave 2.**



Photo 12. Boyuk Kasik, Grave 2.



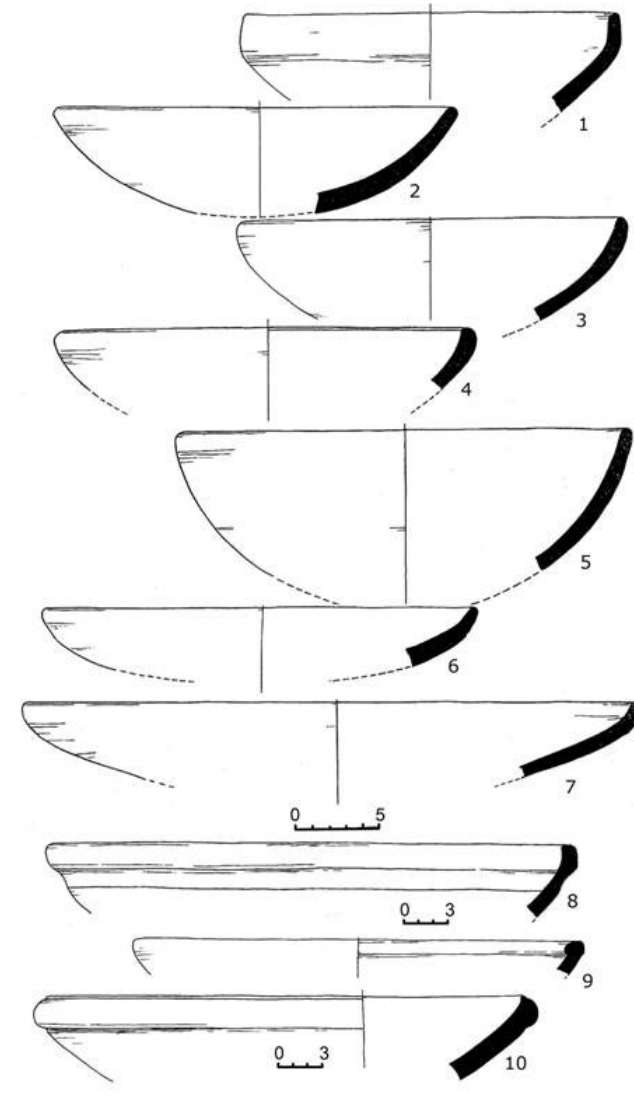
Photo 13. Boyuk Kasik, Grave 6.





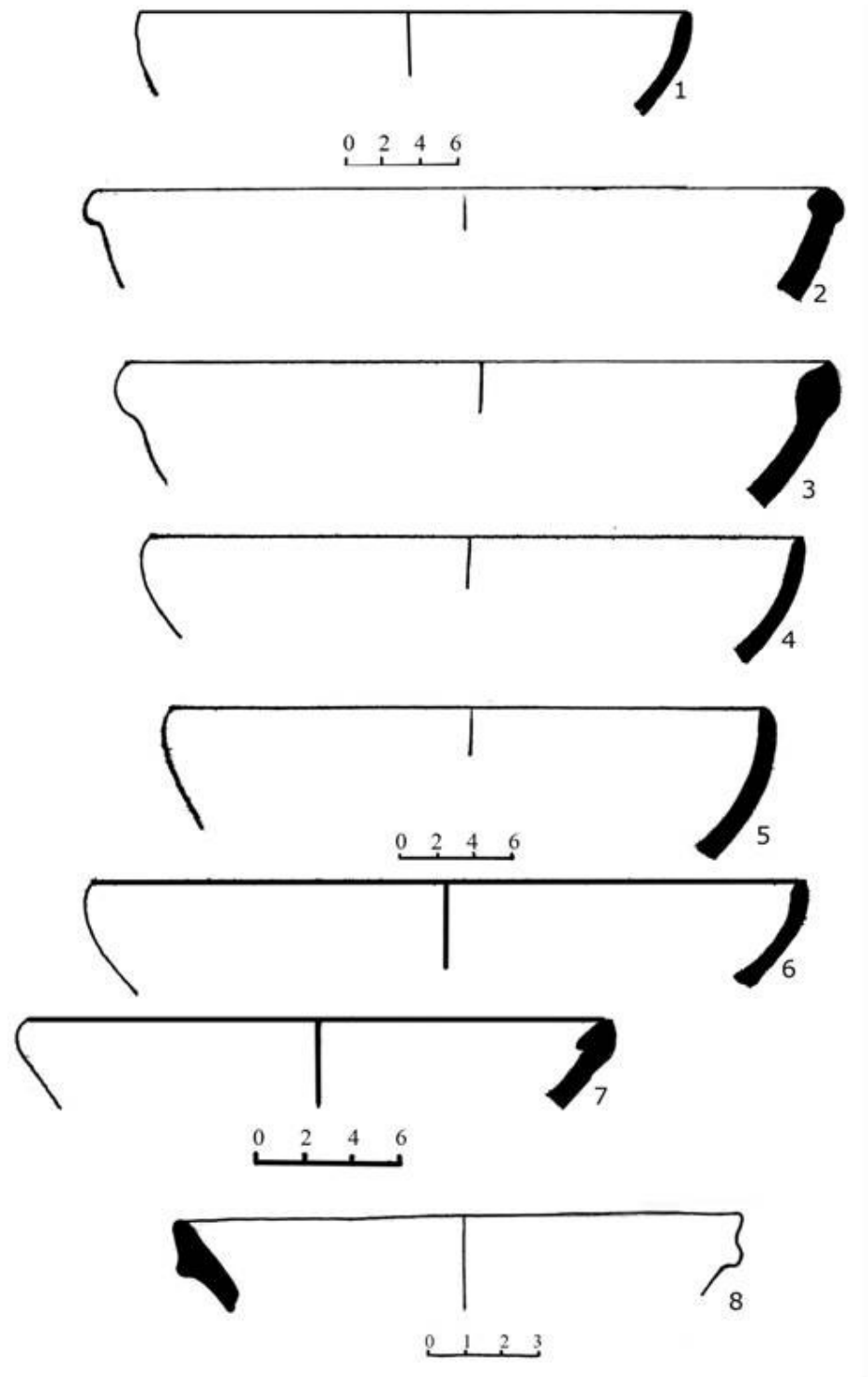
**Photo 14. Boyuk Kasik, Grave 6.**

**Plate I.**



**Boyuk Kasik Pottery: 1-7 Kheyra Group I, 8-10 Kheyra Group II.**

**Plate II.**



**Boyuk Kasik Pottery: 1, 4-6 group 1, 2-3, 7-8 group 2.**

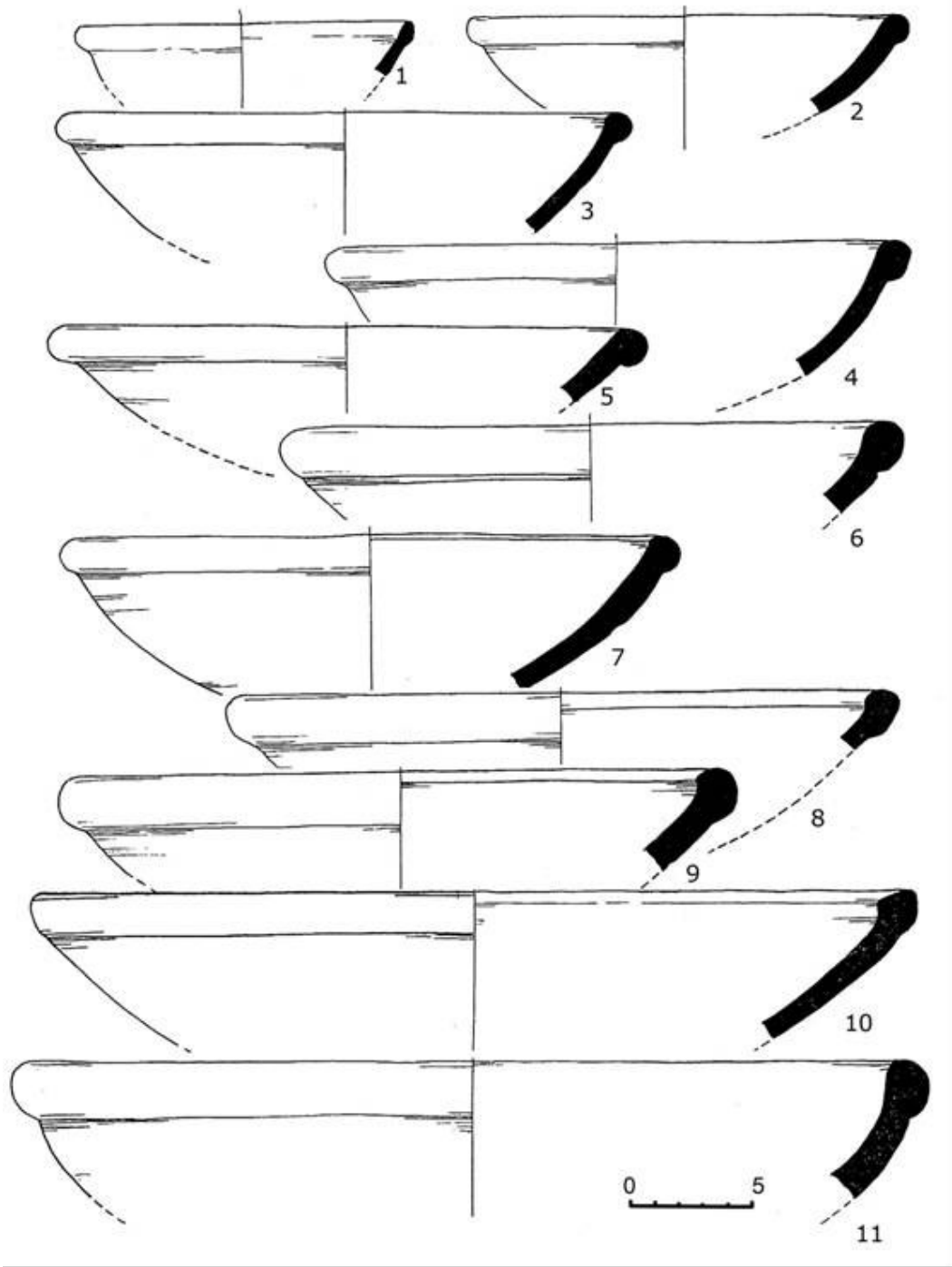
Figure 1 displays ten line drawings of archaeological artifacts, numbered 1 through 10. Each drawing includes a scale bar indicating measurements in centimeters.

- Item 1:** A long, thin, slightly curved object. Scale bar: 0, 2, 4, 6.
- Item 2:** A long, thin, slightly curved object. Scale bar: 0, 2, 4, 6.
- Item 3:** A small, curved object. Scale bar: 0, 2, 4, 6.
- Item 4:** A wide, shallow, bowl-like object. Scale bar: 0, 2, 4, 6.
- Item 5:** A long, thin, slightly curved object. Scale bar: 0, 1, 2, 3.
- Item 6:** A small, curved object. Scale bar: 0, 1, 2, 3.
- Item 7:** A long, thin, slightly curved object. Scale bar: 0, 1, 2, 3, 4, 5.
- Item 8:** A long, thin, slightly curved object. Scale bar: 0, 2, 4, 6.
- Item 9:** A long, thin, slightly curved object. Scale bar: 0, 1, 2, 3.
- Item 10:** A long, thin, slightly curved object. Scale bar: 0, 1, 2, 3.

**Boyuk Kasik Pottery: 1-2, 5, 8-10 Kheyra group 2.**

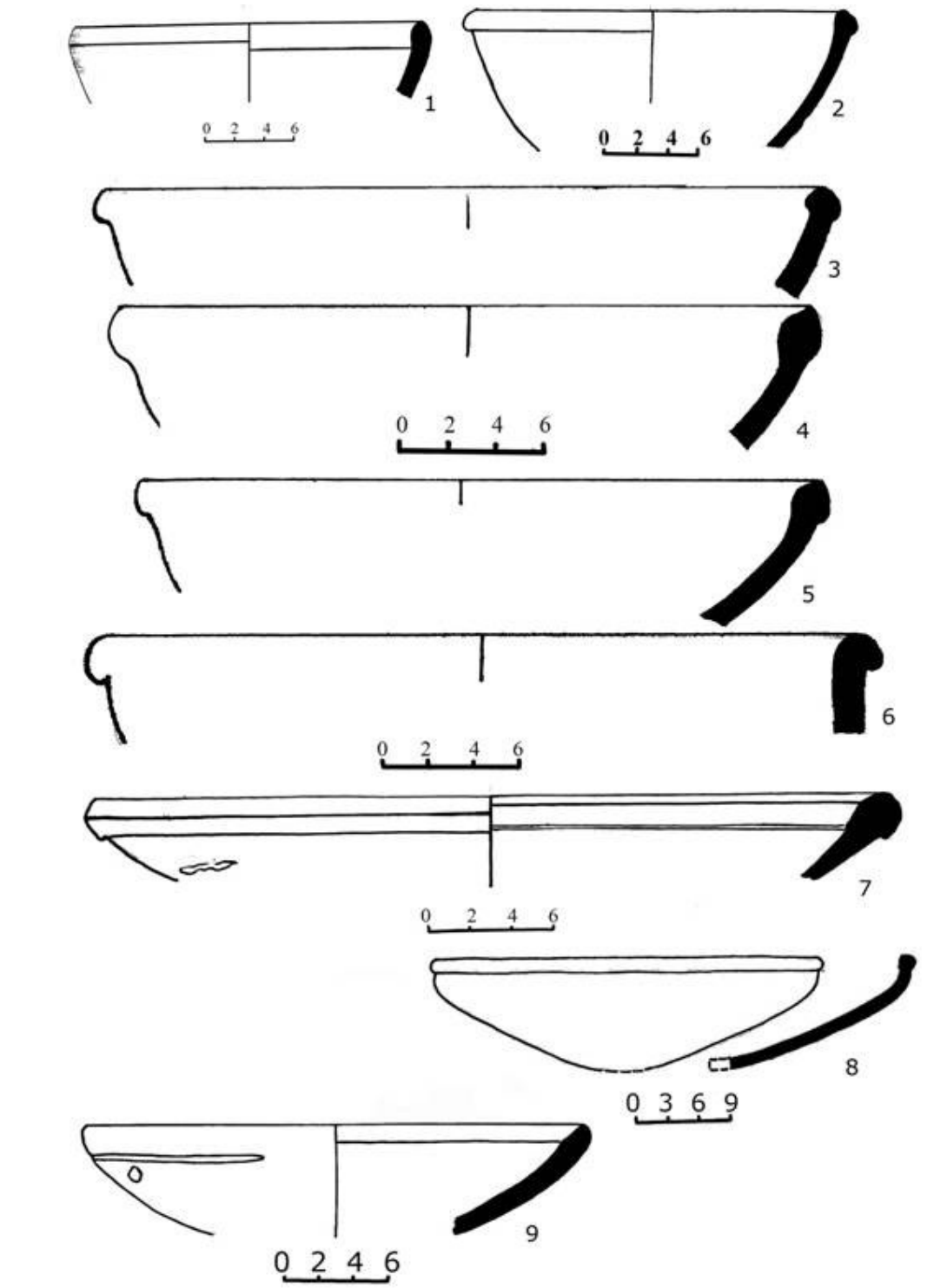


Plate IV.



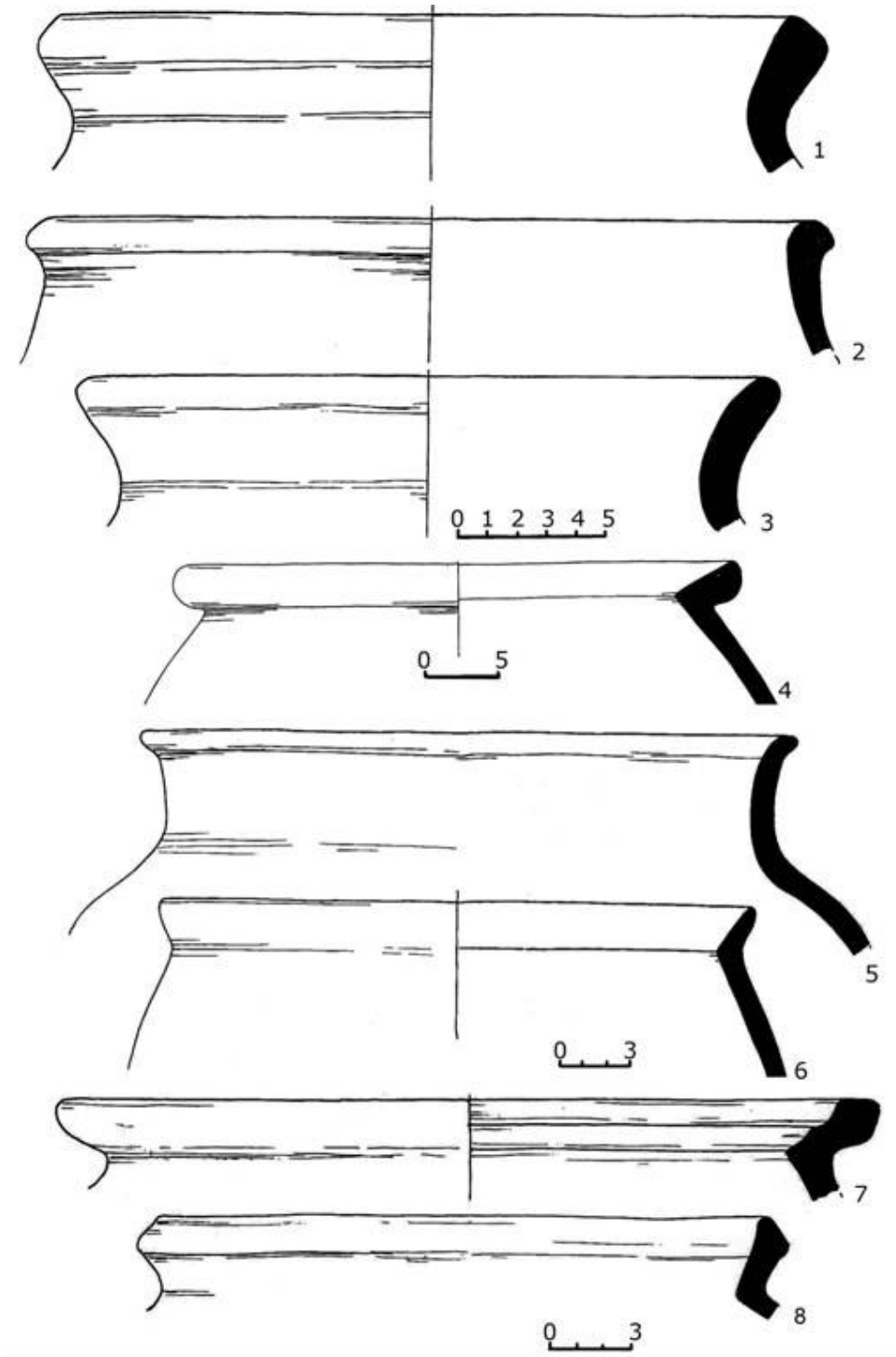
Boyuk Kasik Pottery. Kheyra.

**Plate V.**



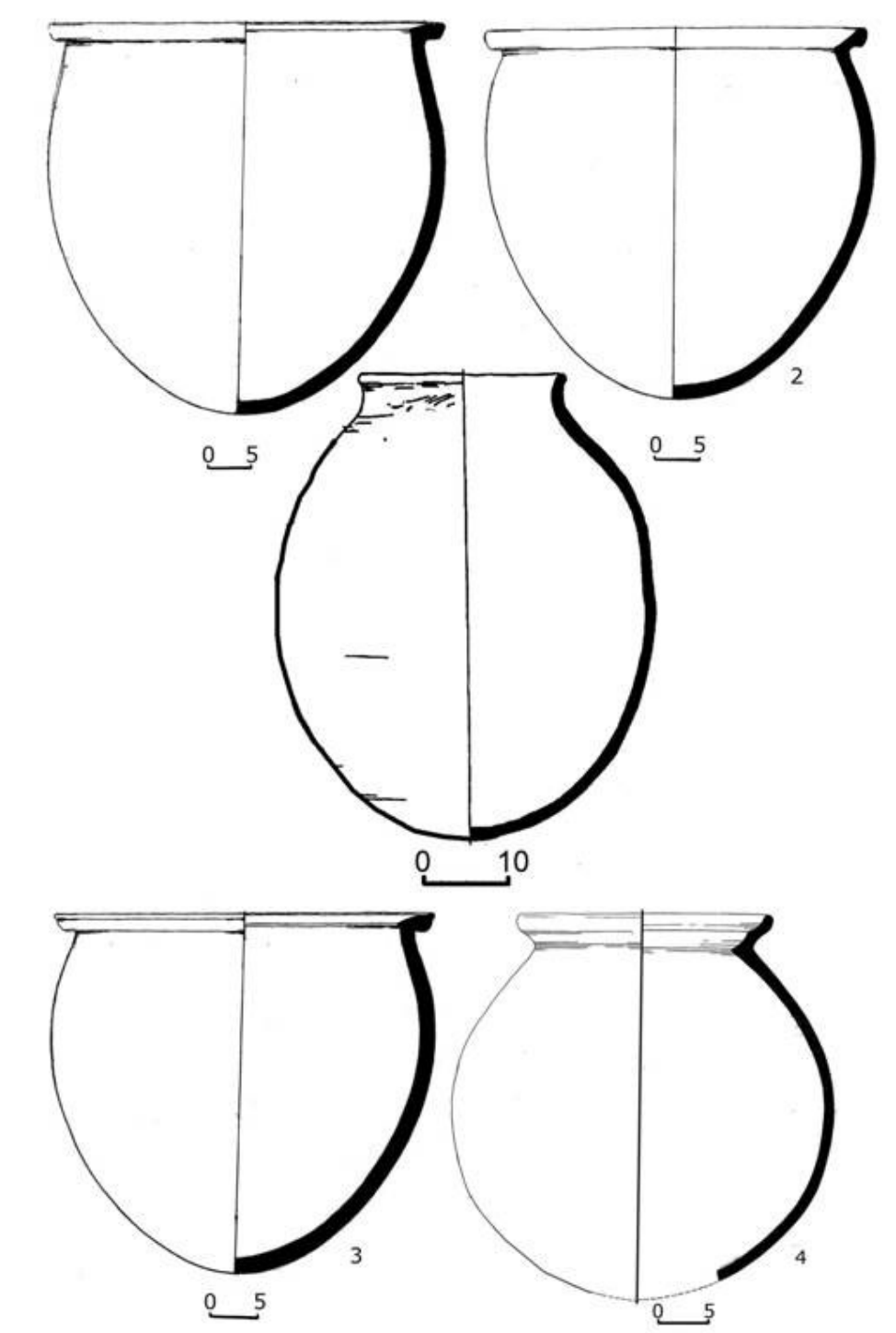
**Boyuk Kasik Pottery. Kheyra.**

Plate VI.



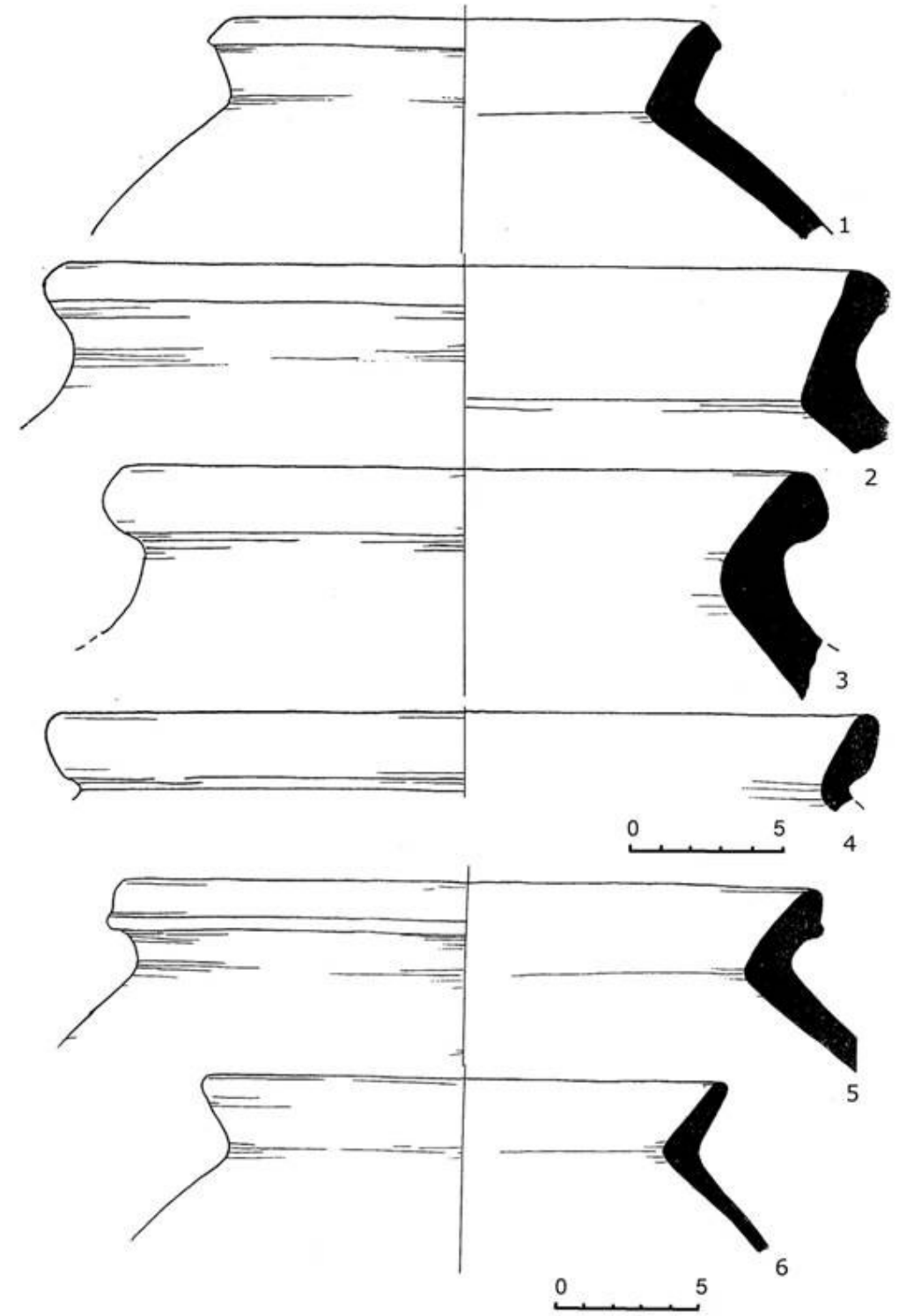
Boyuk Kasik Pottery. Jars.

**Plate VII.**



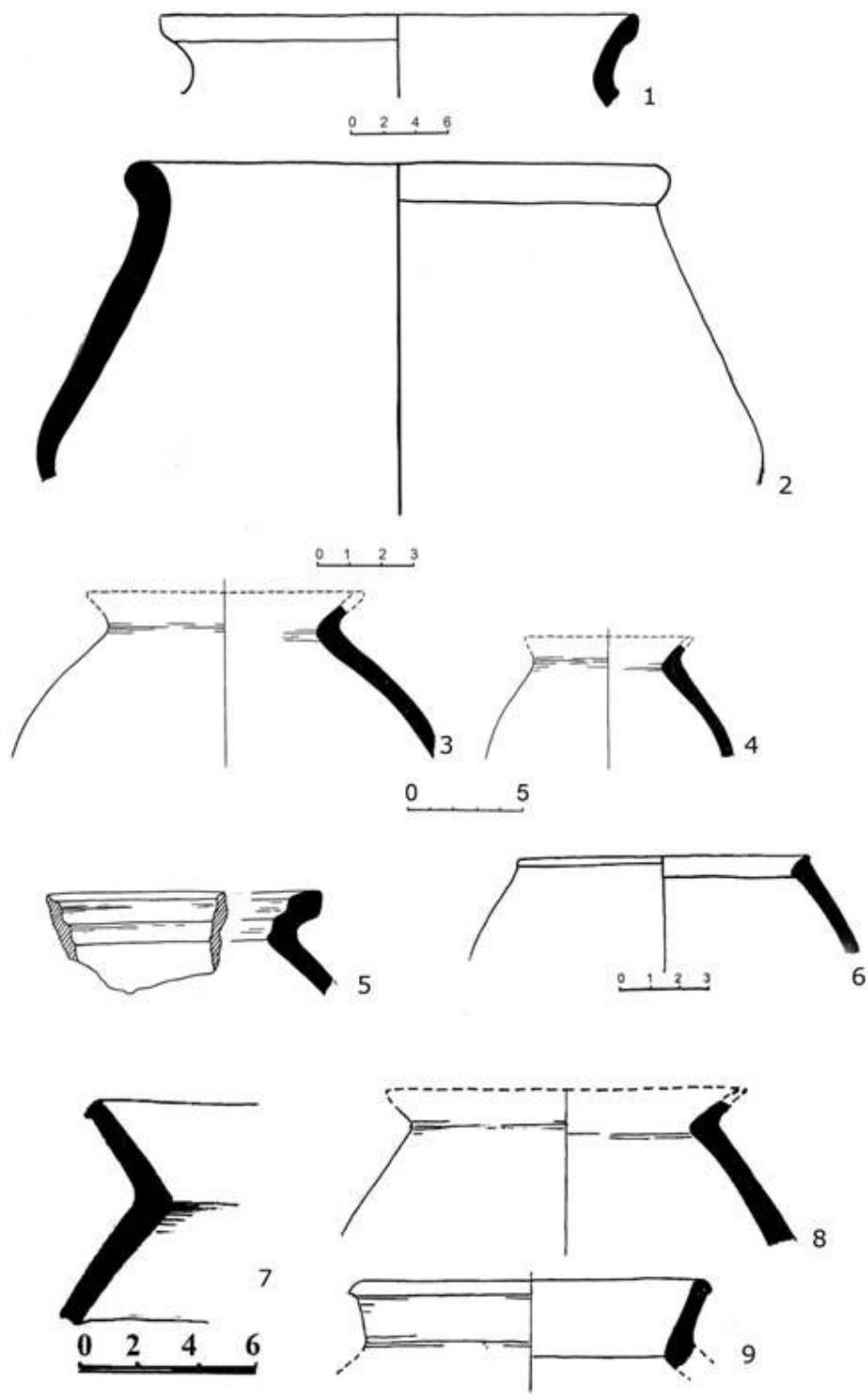
**Boyuk Kasik Pottery. Jars.**

Plate VIII.



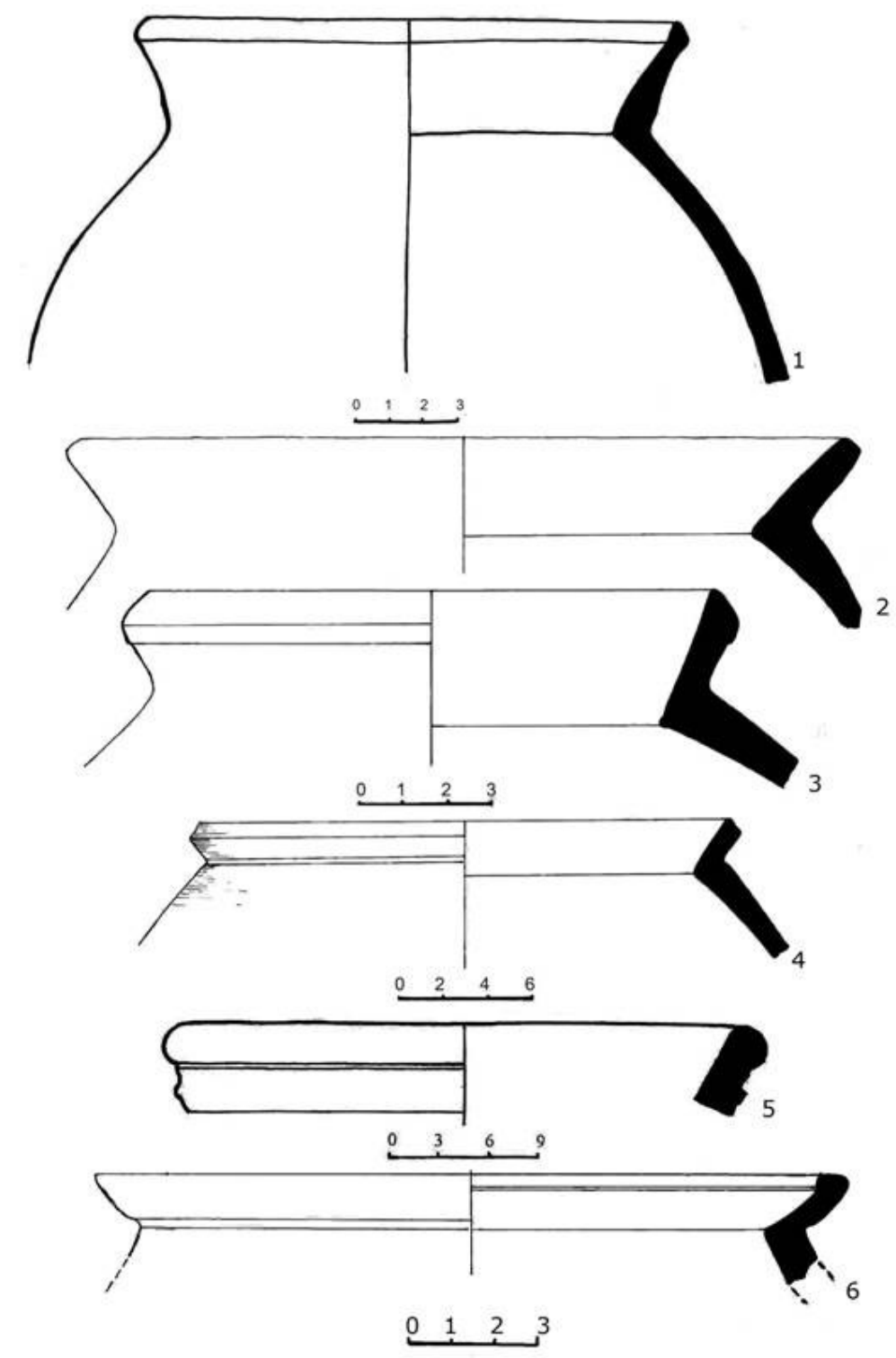
Boyuk Kasik Pottery. Jars.

Plate IX.



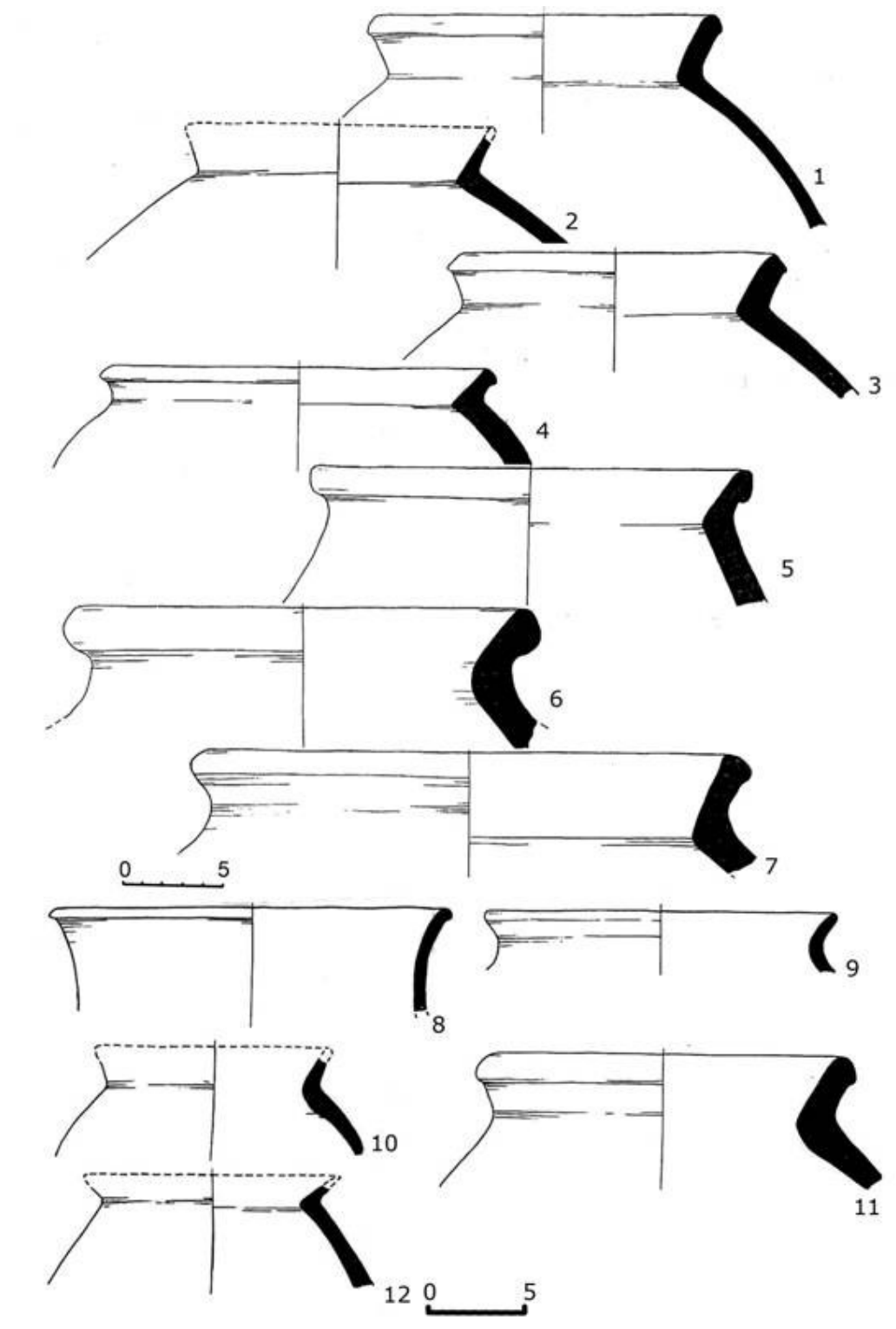
Boyuk Kasik Pottery. Jugs.

**Plate X.**



**Boyuk Kasik Pottery: Jugs.**

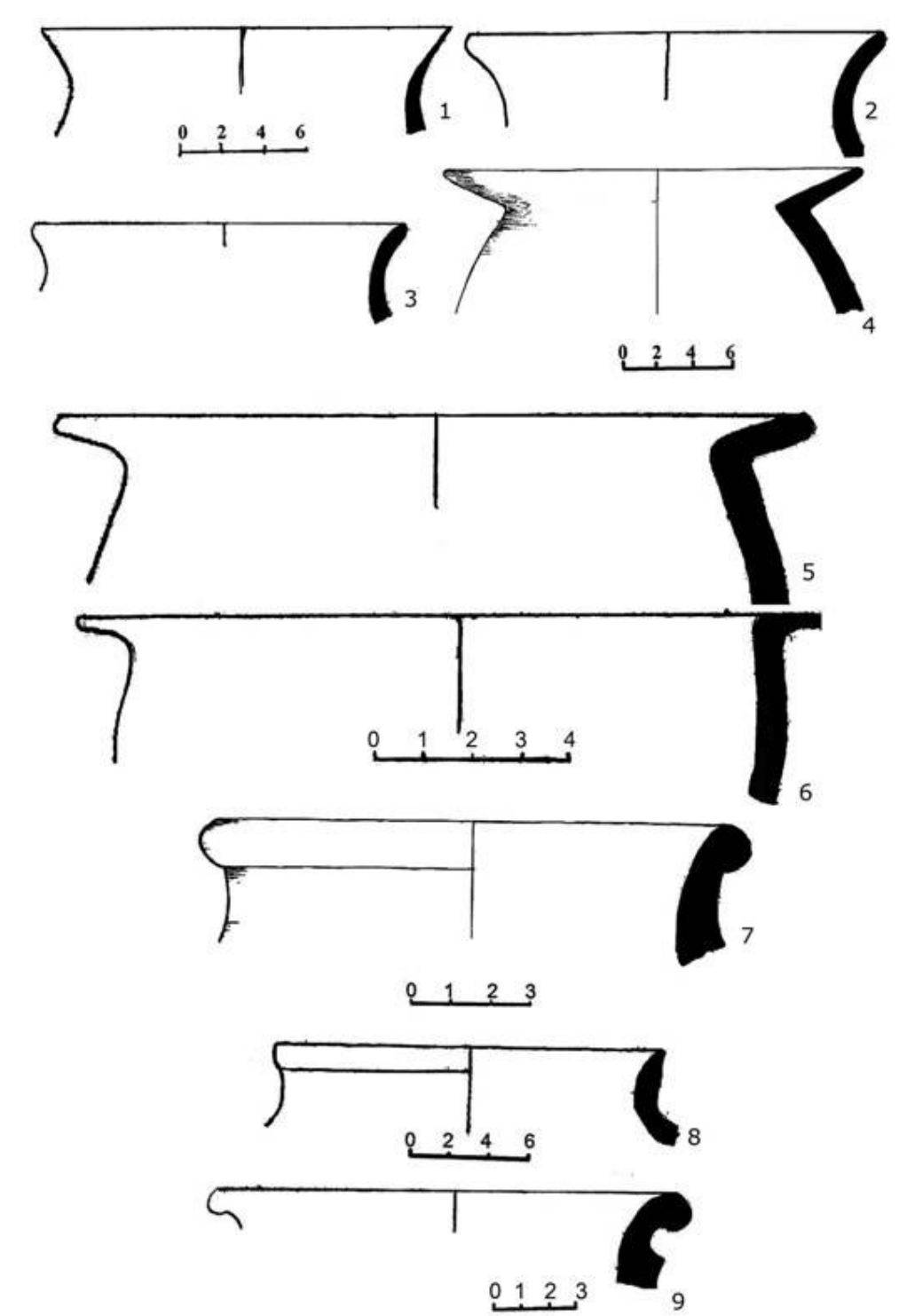
Plate XI.



Boyuk Kasik Pottery: Jugs.

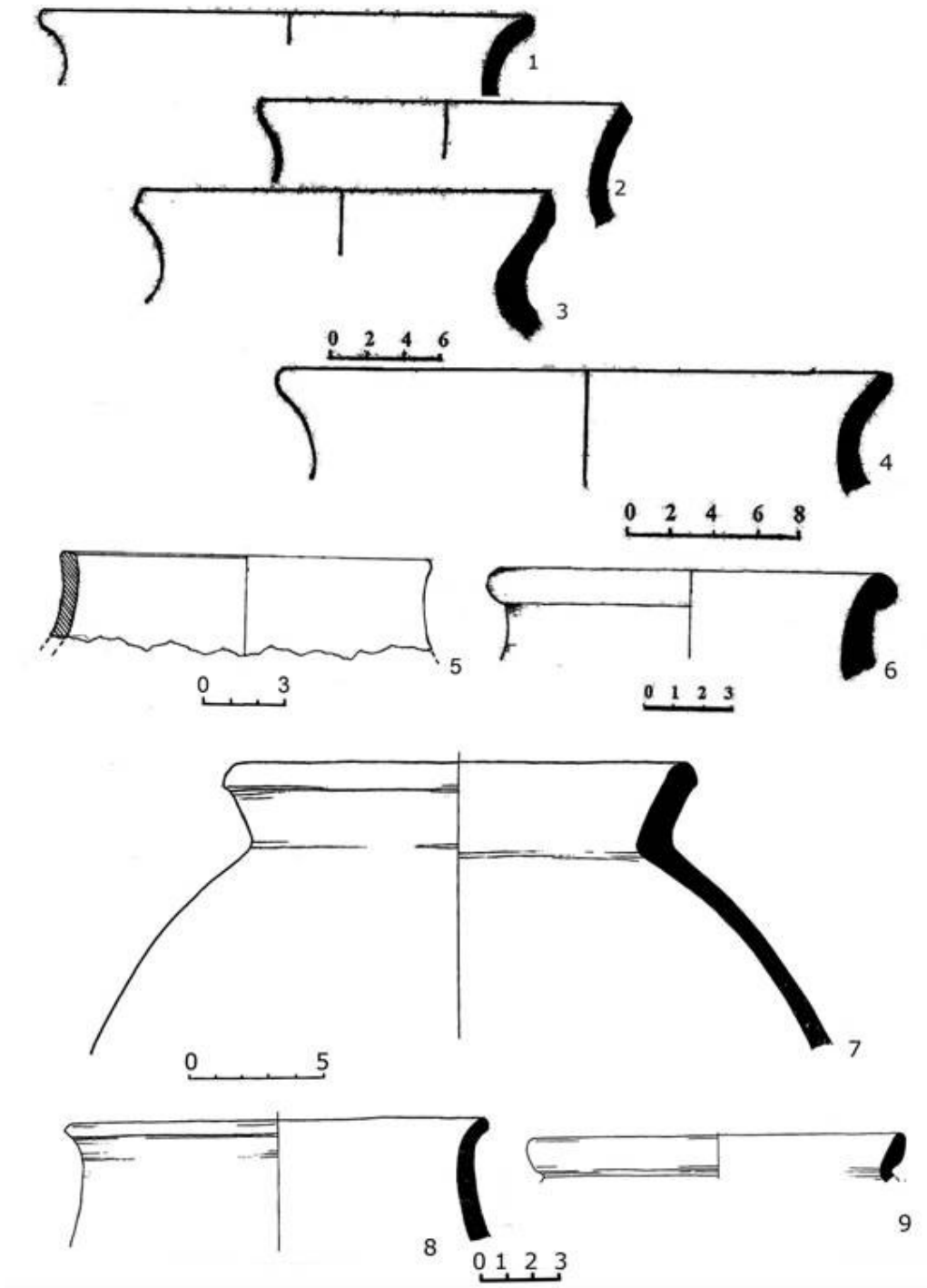


Plate XII.



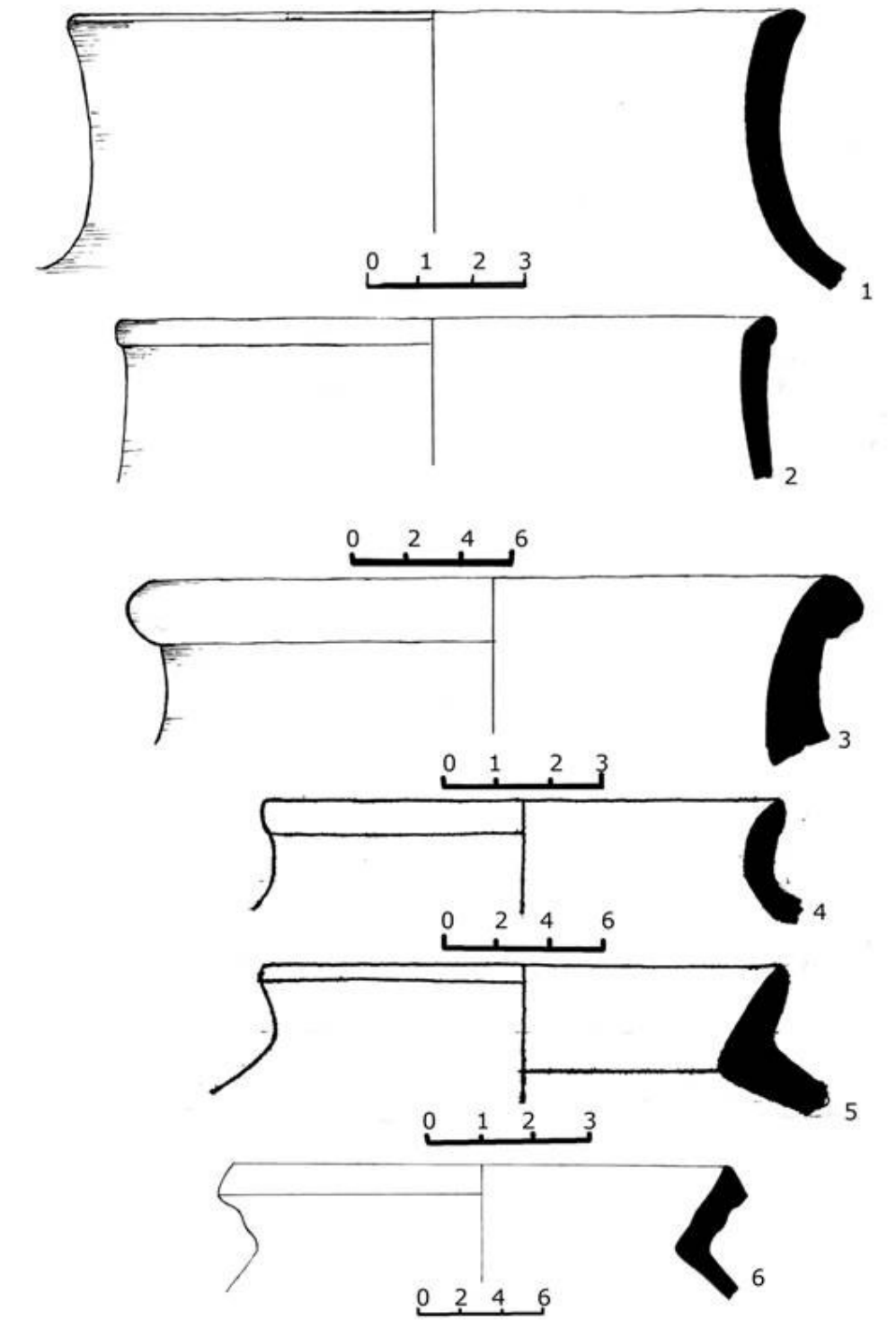
Boyuk Kasik Pottery: Jugs.

Plate XIII.



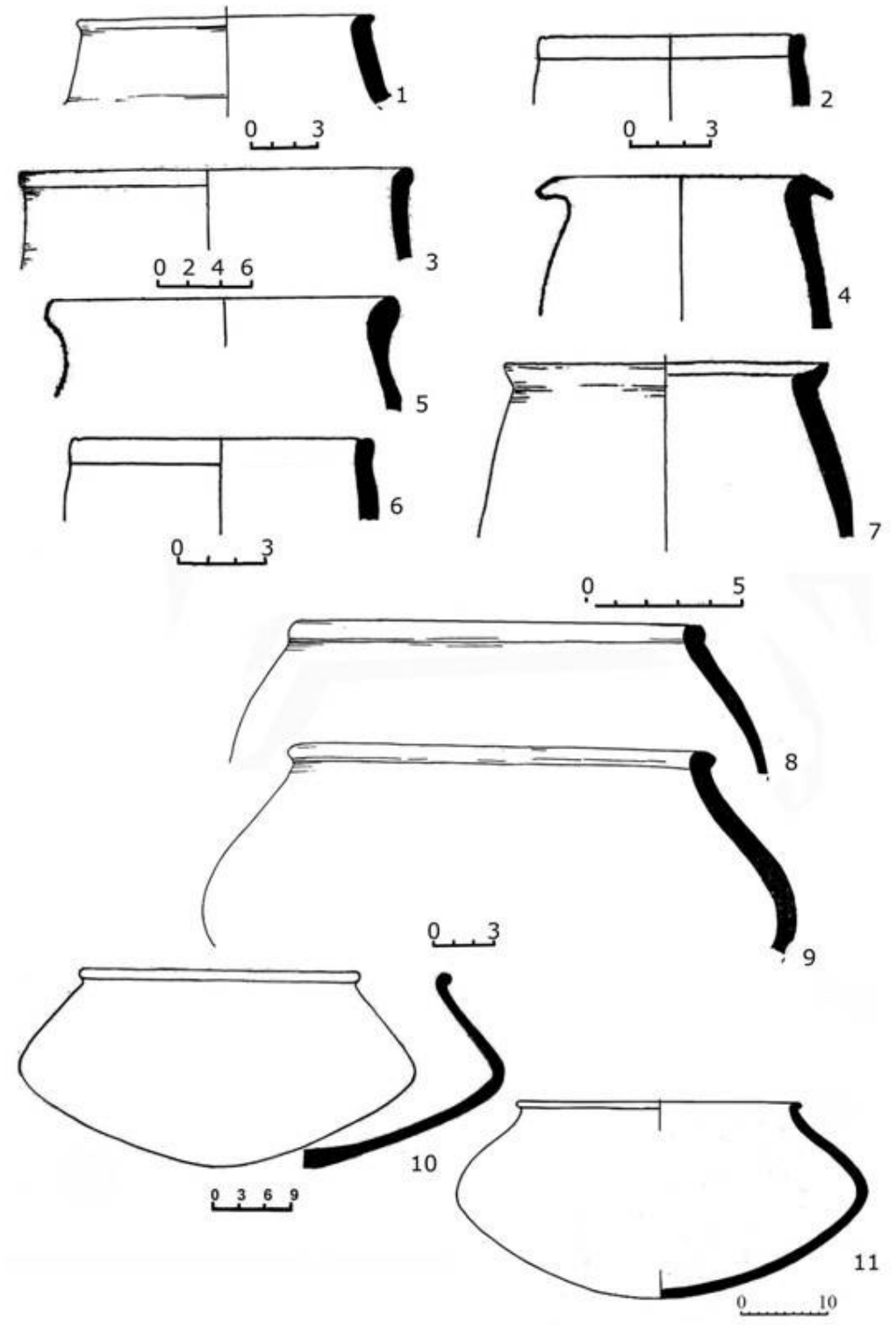
Boyuk Kasik Pottery. Jugs.

Plate XIV.



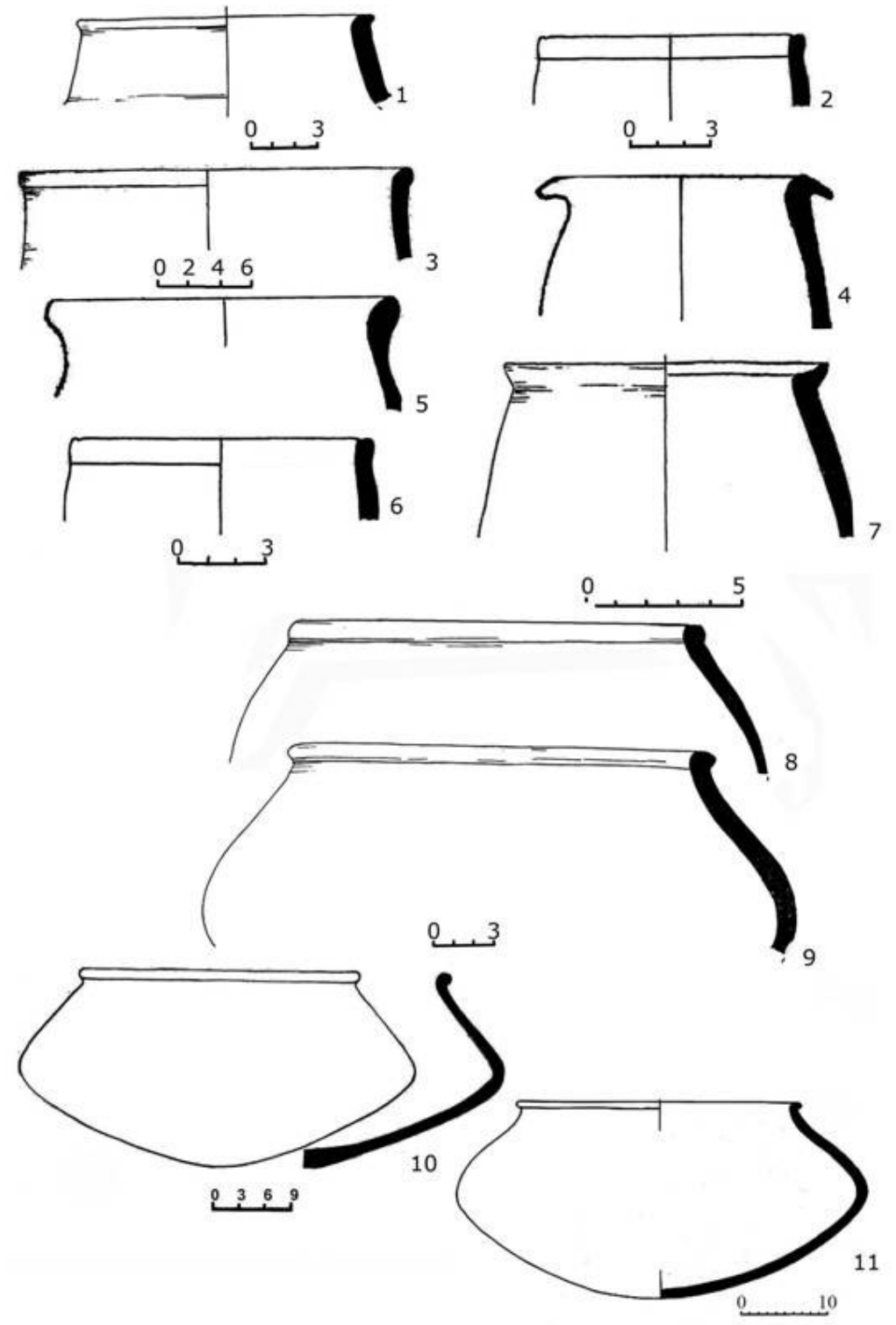
Boyuk Kasik Pottery. 4-Cooking pot, 6- Jug.

Plate XV.



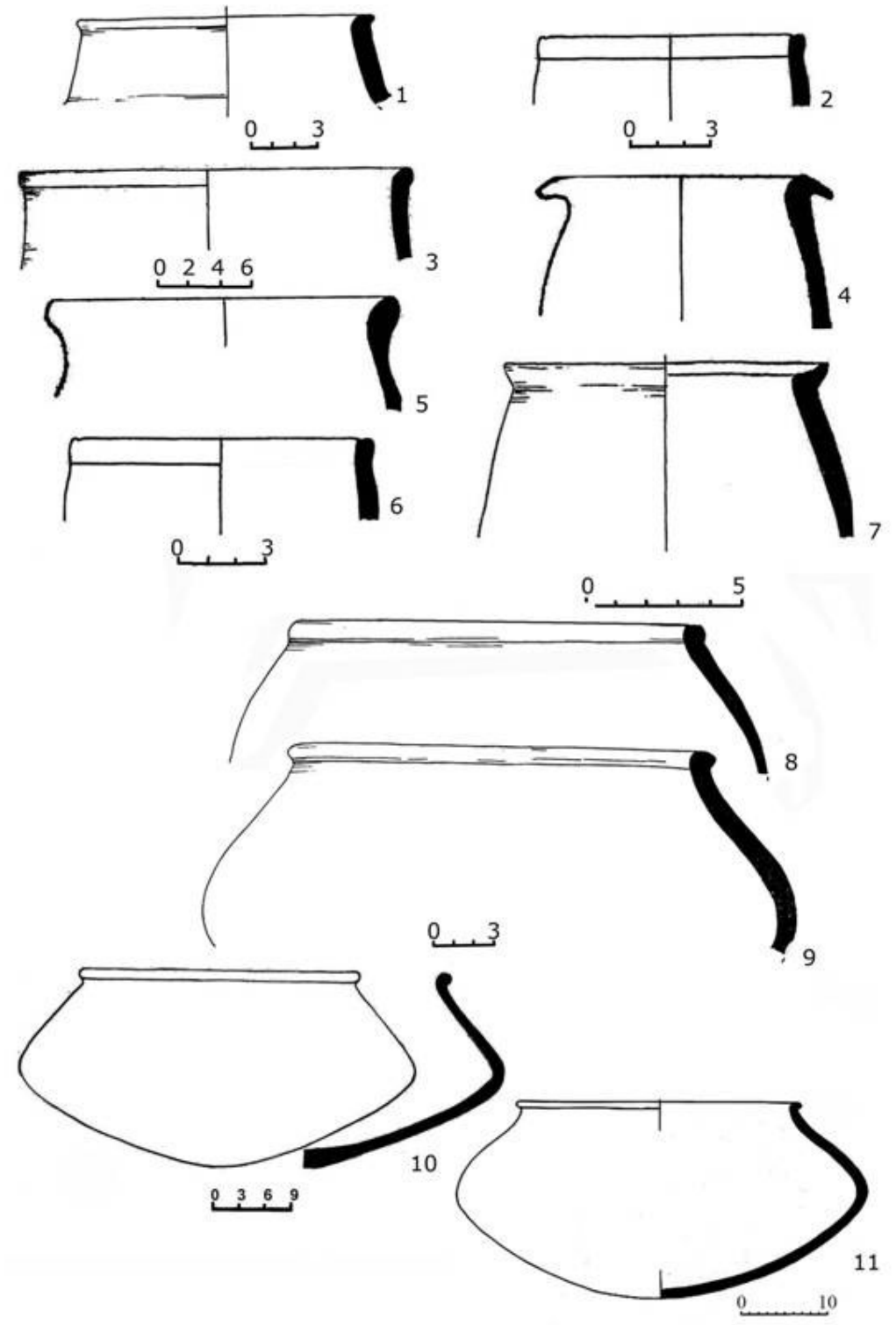
Boyuk Kasik Pottery: 1-7 Cooking pots, 8-11 biconical cooking pots.

Plate XVI.



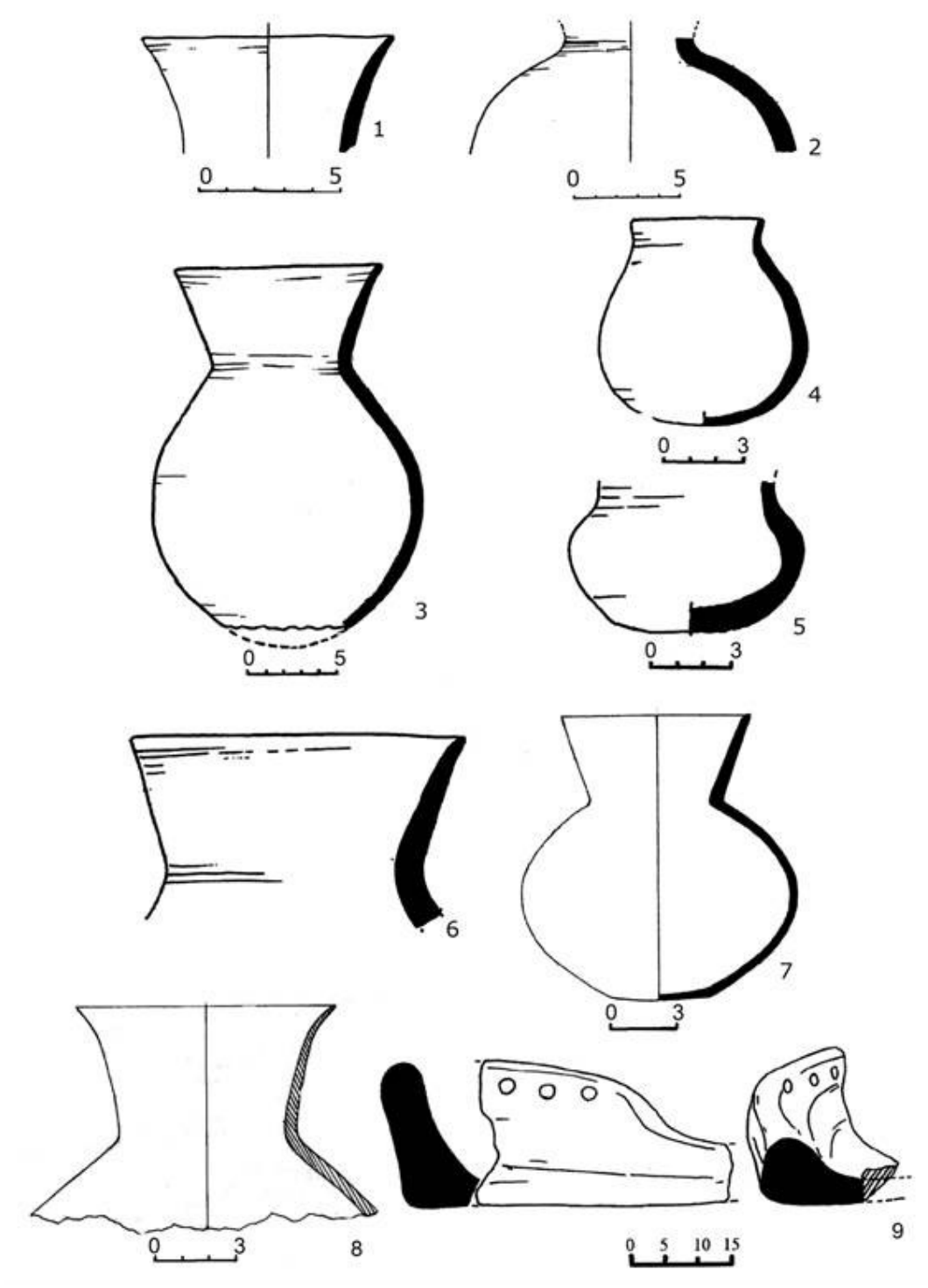
Boyuk Kasik Pottery: 1-7, 9-12 biconical bowls.

Plate XVII.



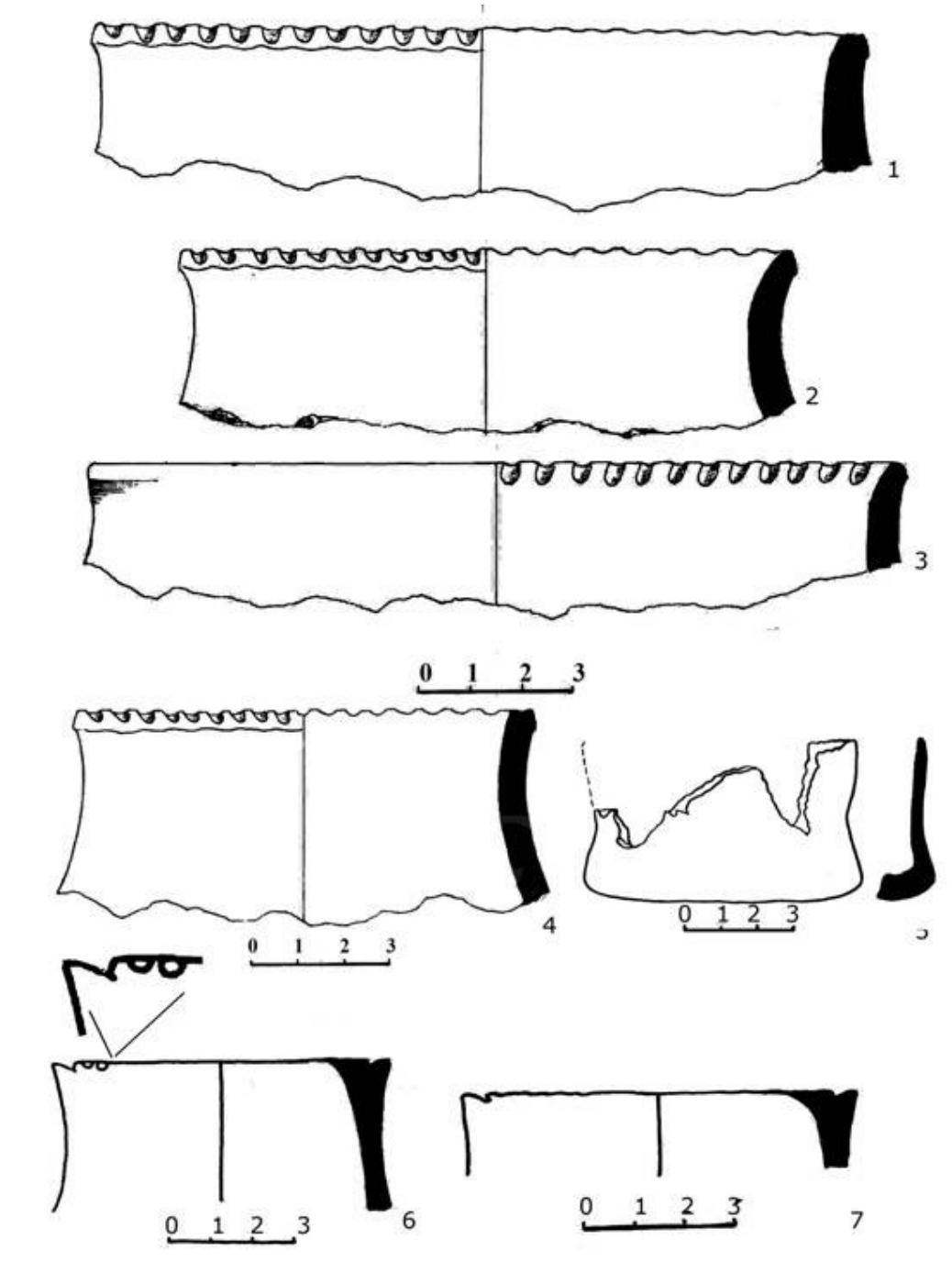
Boyuk Kasik Pottery. Kuza.

Plate XVIII.



Boyuk Kasik Pottery: 1-8 Kuza, 9 Pan.

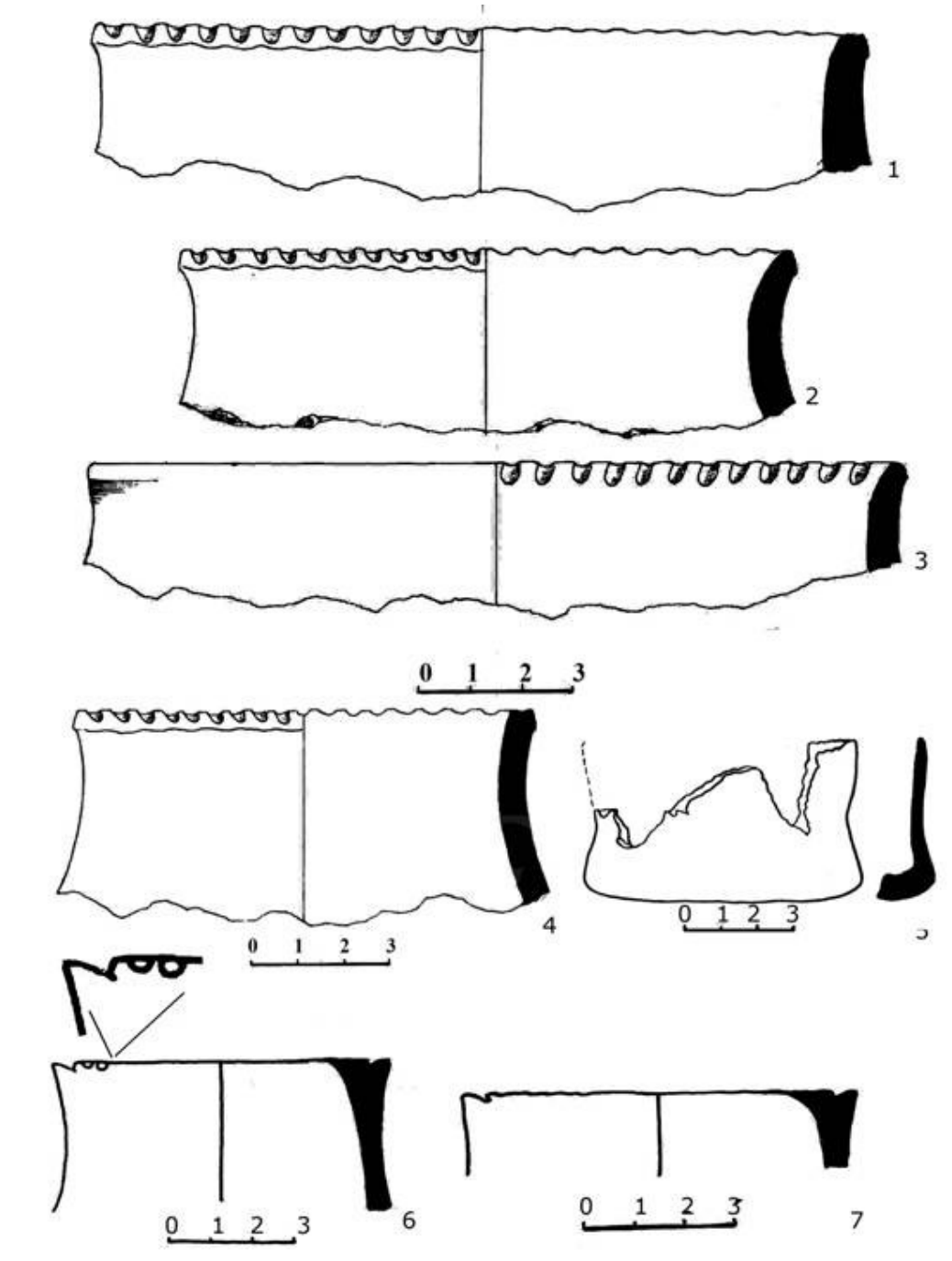
Plate XIX.



Boyuk Kasik Pottery: 1-4 rim decoration, 5-7 Miniature pots.

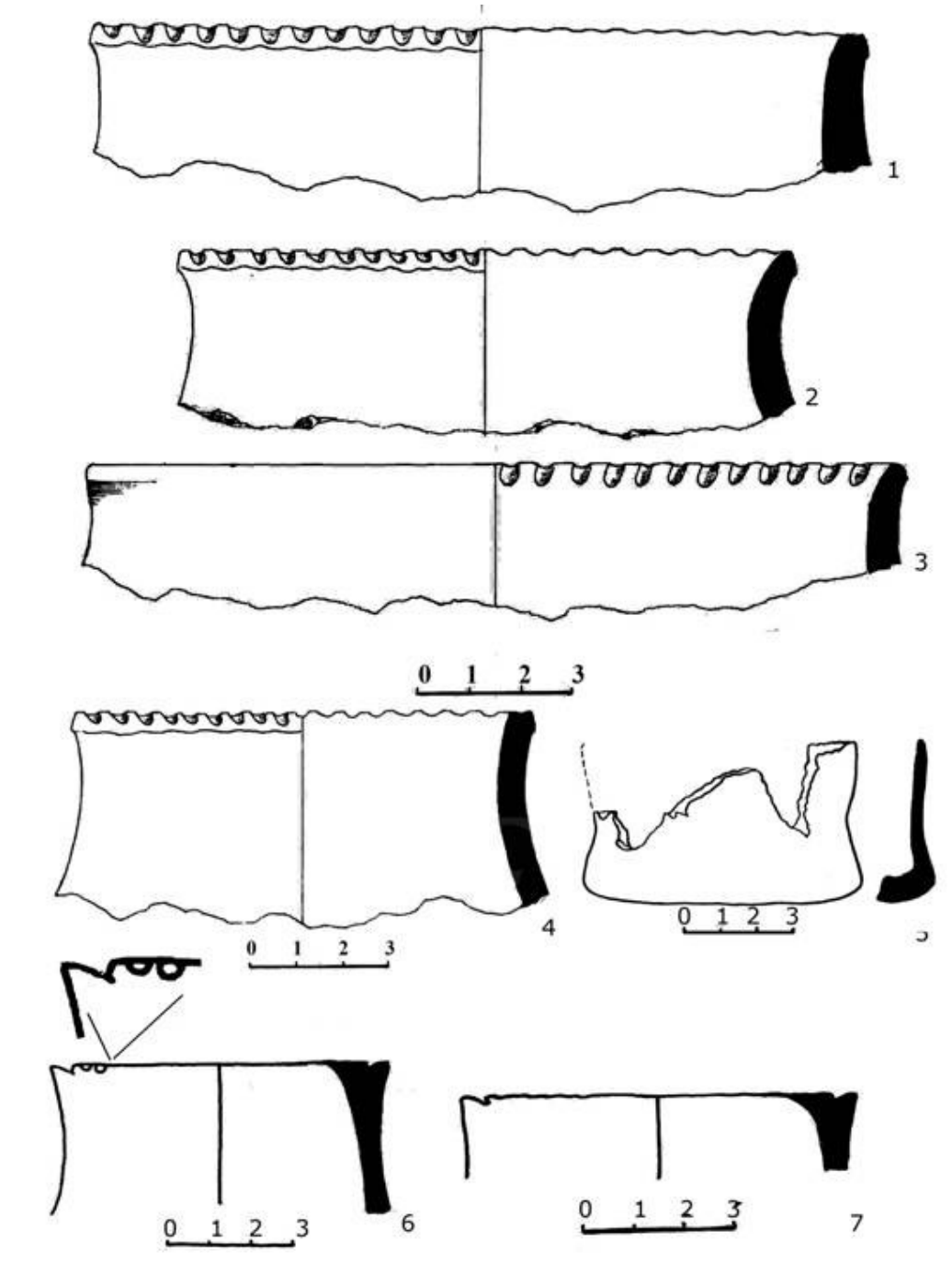


Plate XX.



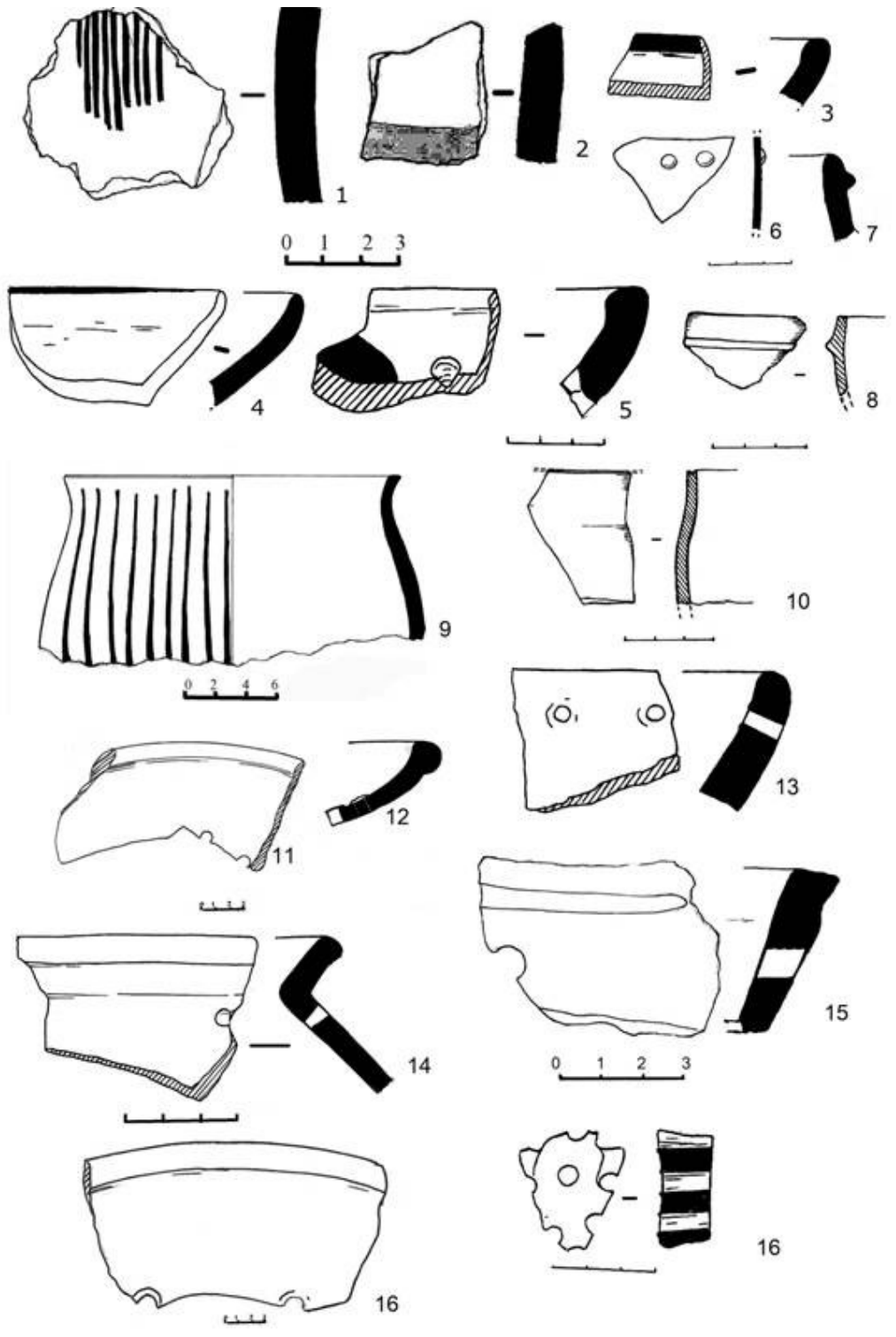
Boyuk Kasik Pottery: 1-4 Pedestal feet, 5-13 Flattened feet, 15-16 Mould.

Plate XXI.



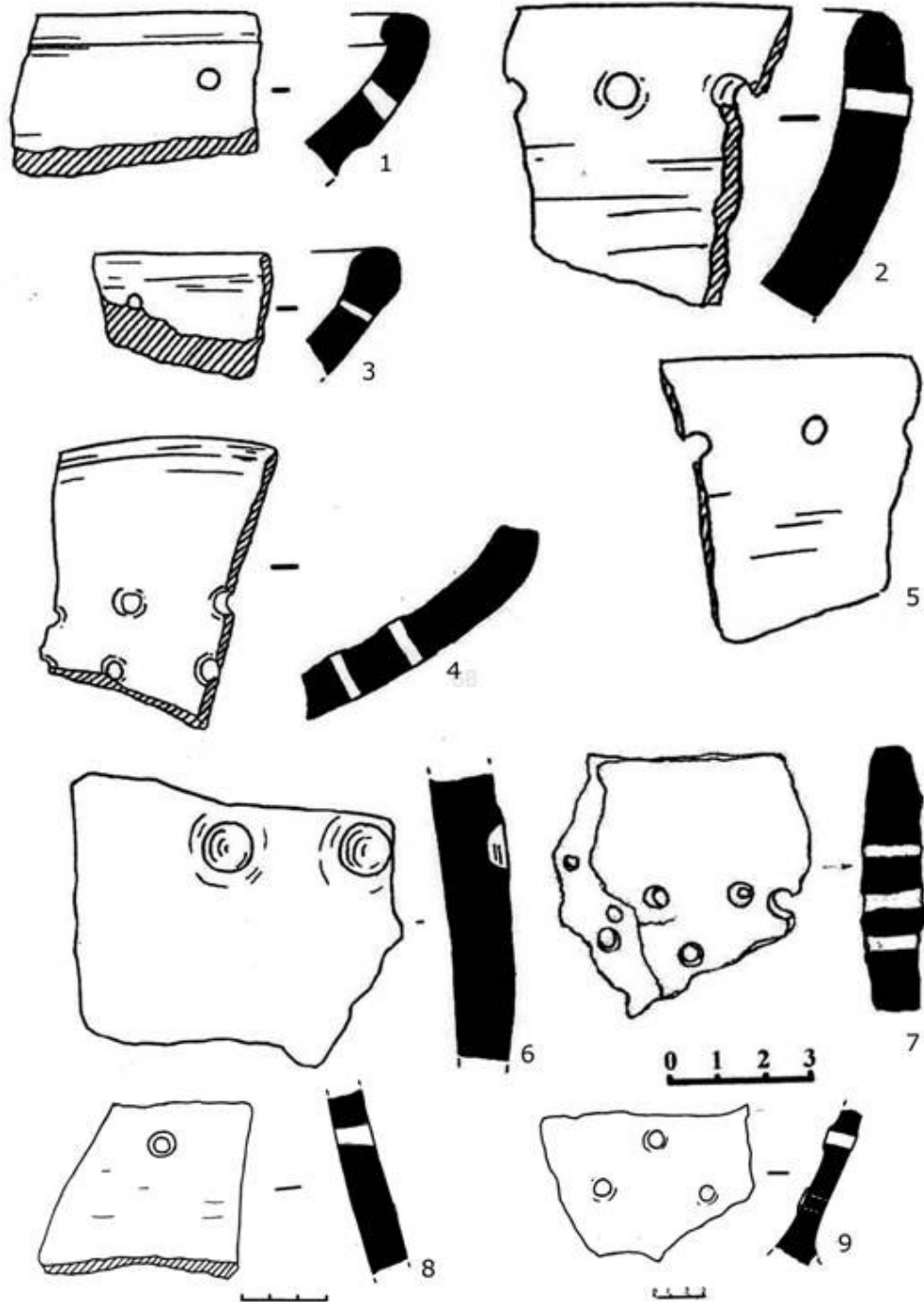
Boyuk Kasik Pottery. Decorative styles.

Plate XXII.



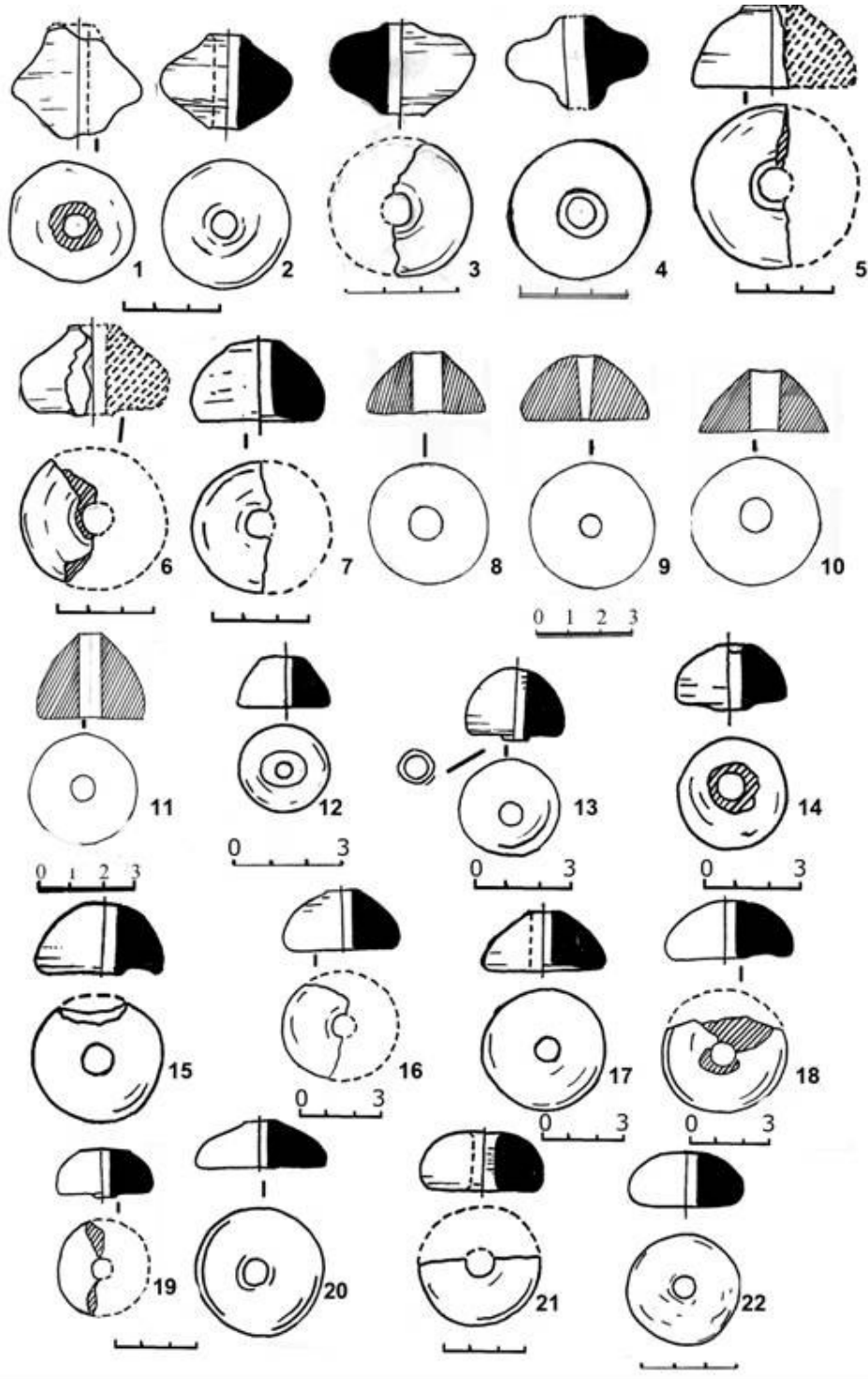
Boyuk Kasik Pottery decoration: 1-5 painted, 6-7 Cone shaped moulded decoration, 9 burnished, 12-16 pierced.

Plate XXIII.



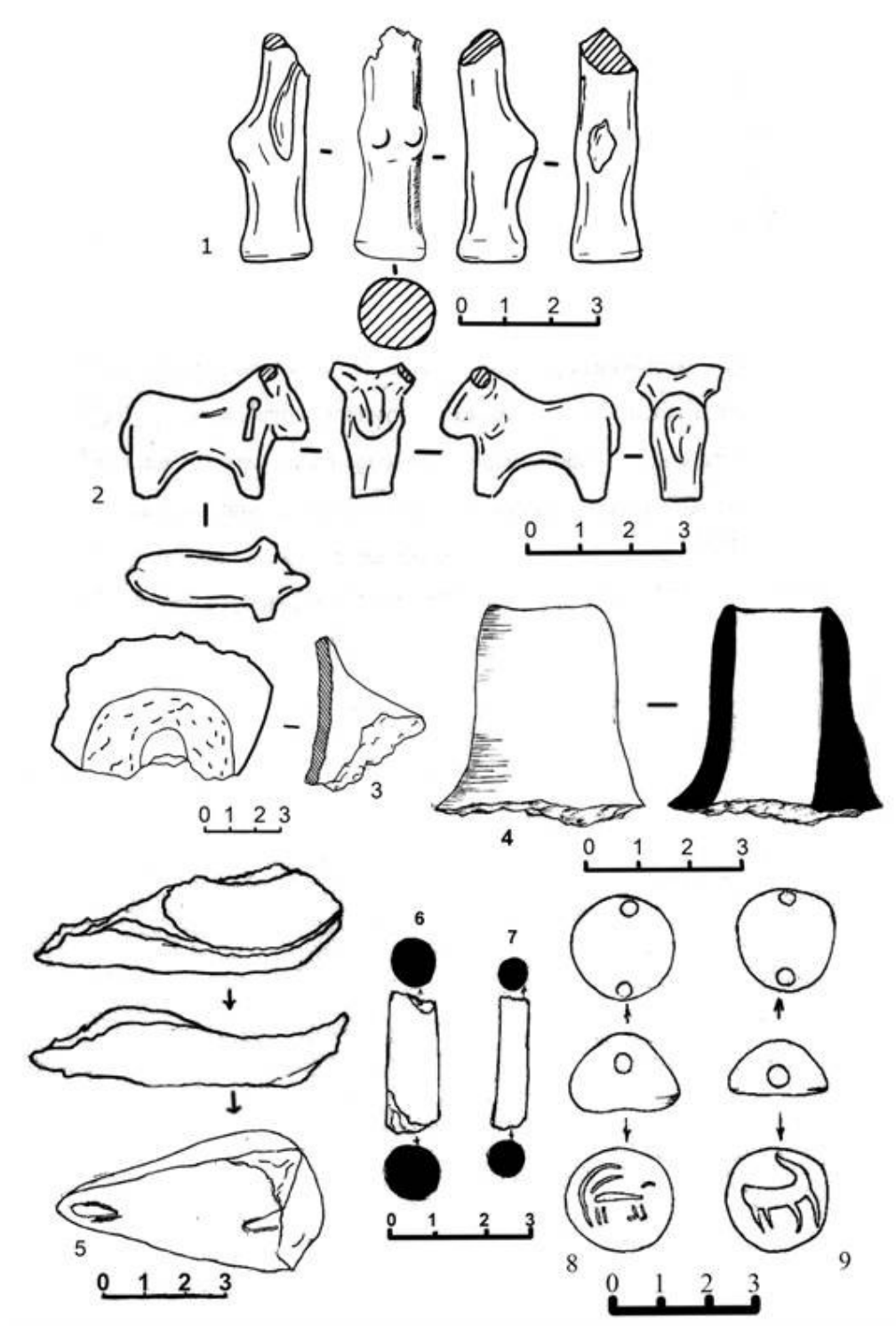
Boyuk Kasik Pottery Pierced Decoration.

Plate XXIV.



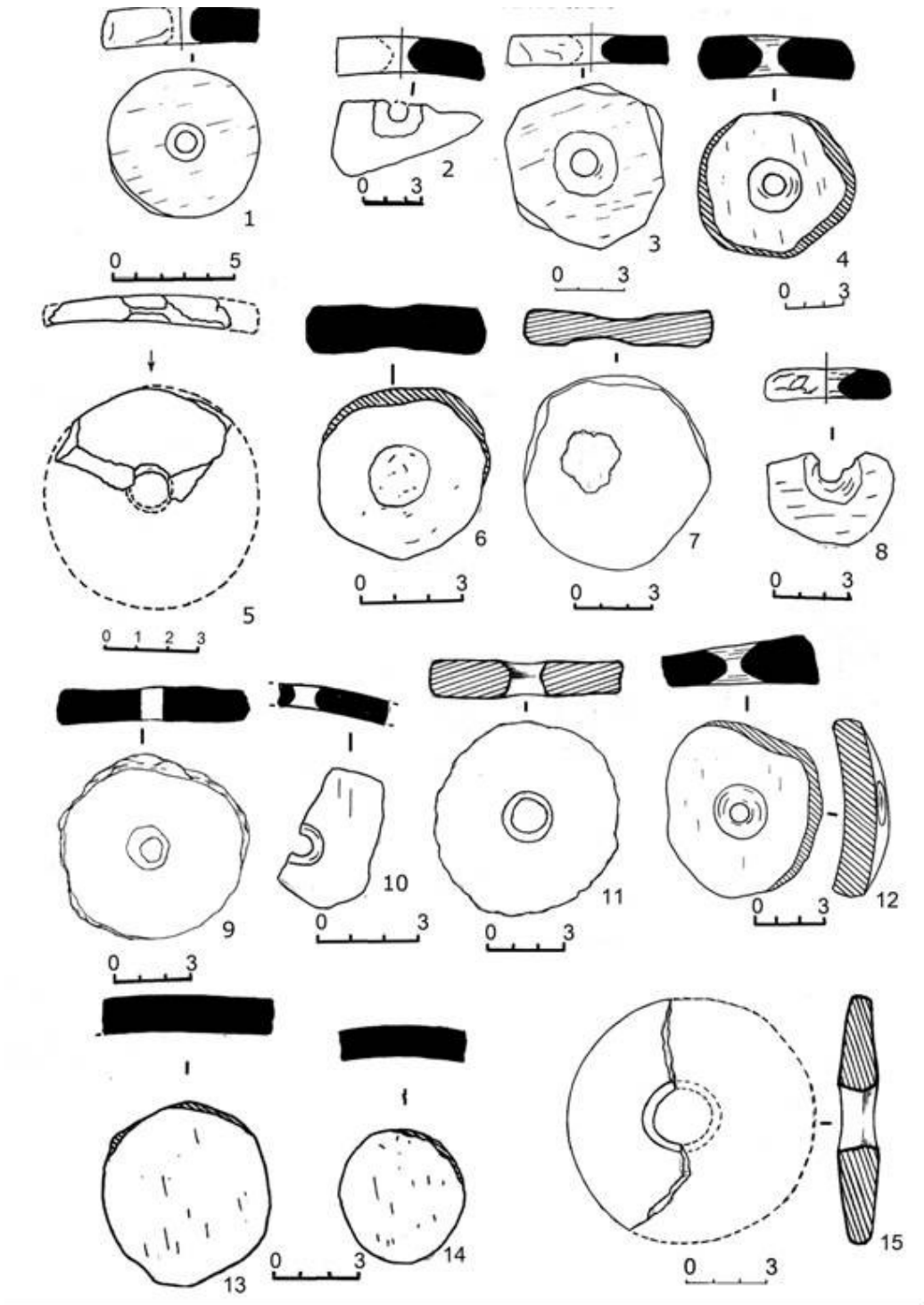
Boyuk Kasik ceramic spindle whorls: 1-4 biconical, 5-15 semi-globular, 16-22 cone-shaped.

Plate XXV.



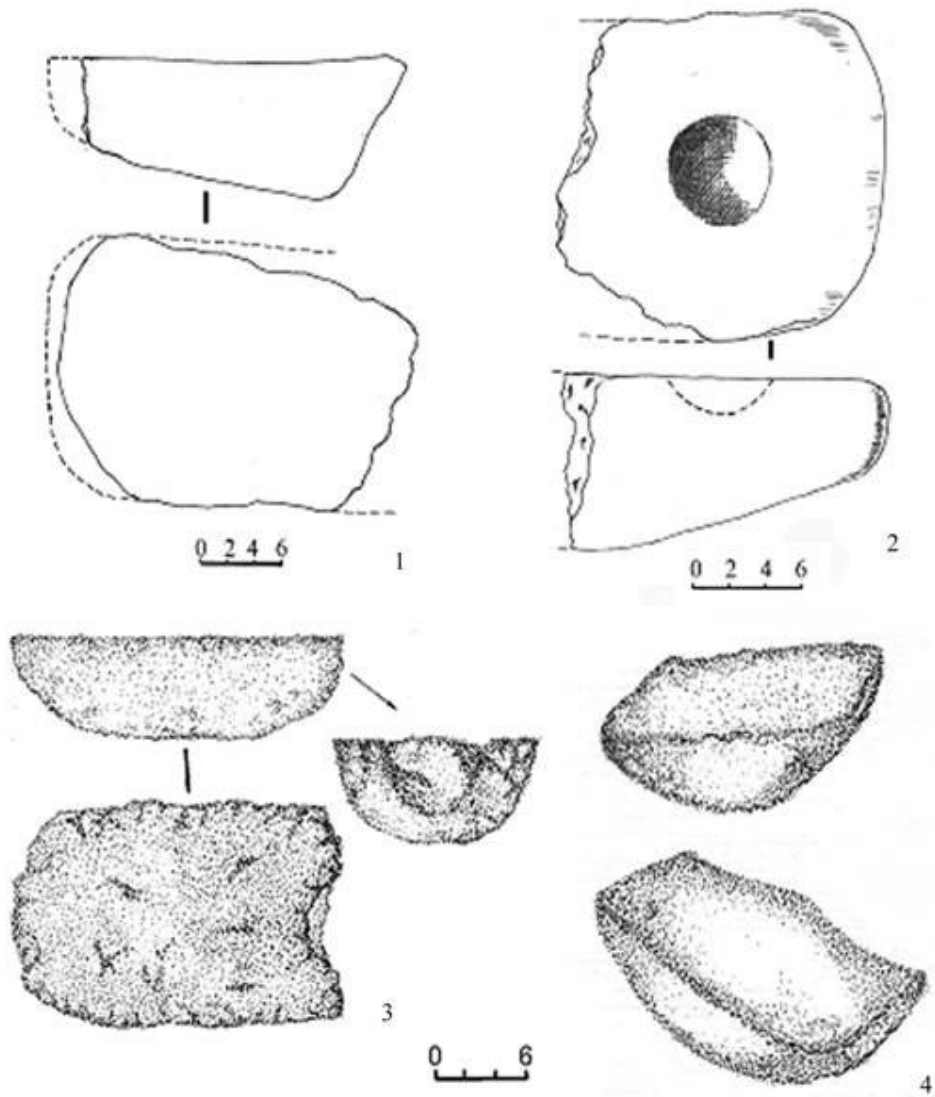
Boyuk Kasik ceramic objects: 1 Anthropomorphic figure, 2 zoomorphic figure, 5 'spoon' 6-7 'nails' 8-9 stamp.

Plate XXVI.



Boyuk Kasik Ceramic objects: 1-14 Disk shaped objects, 15 Wheel model.

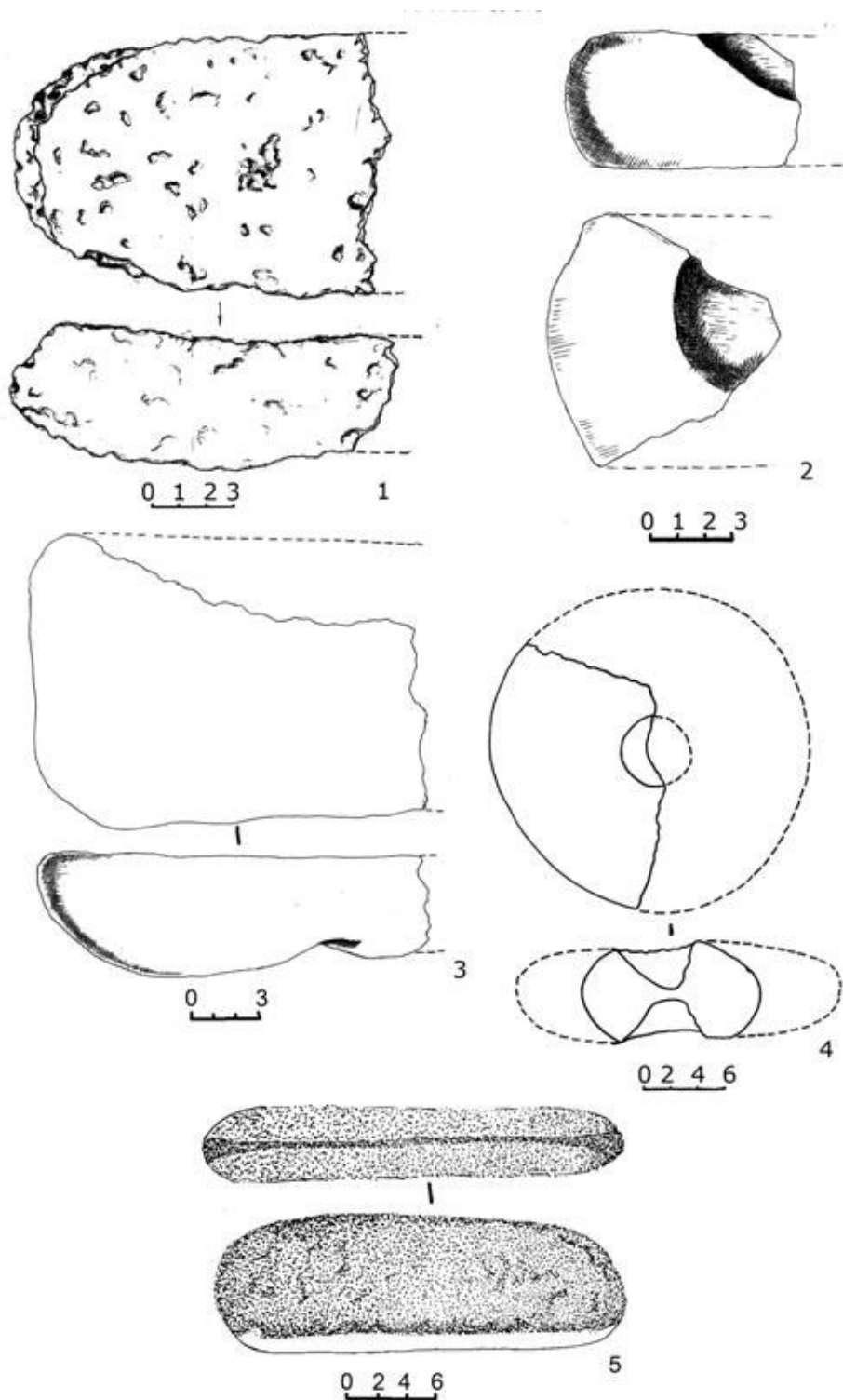
Plate XXVII.



Boyuk Kasik Utilised stone: 1 quern, 2 re-used quern.

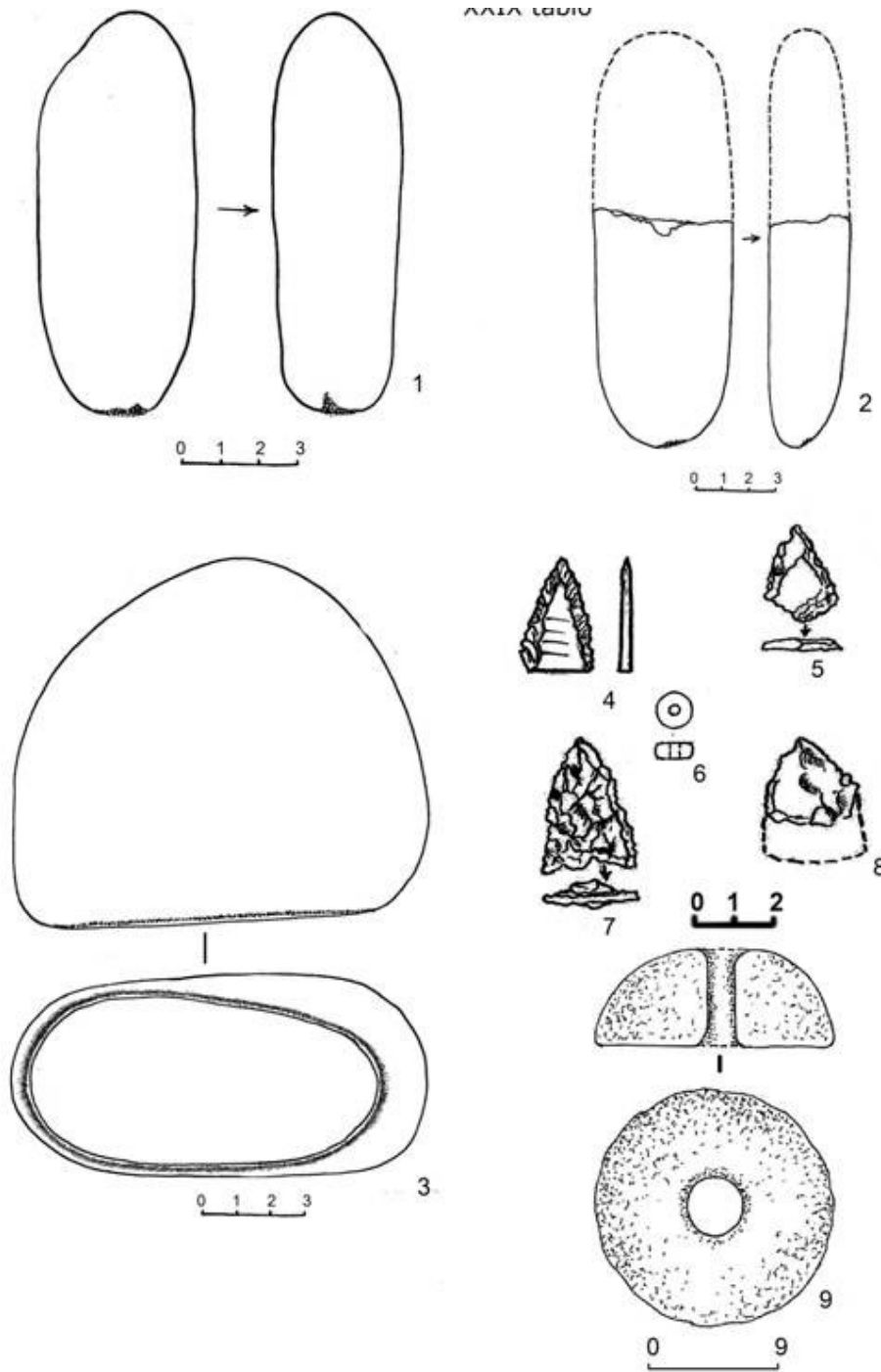


Plate XXVIII.



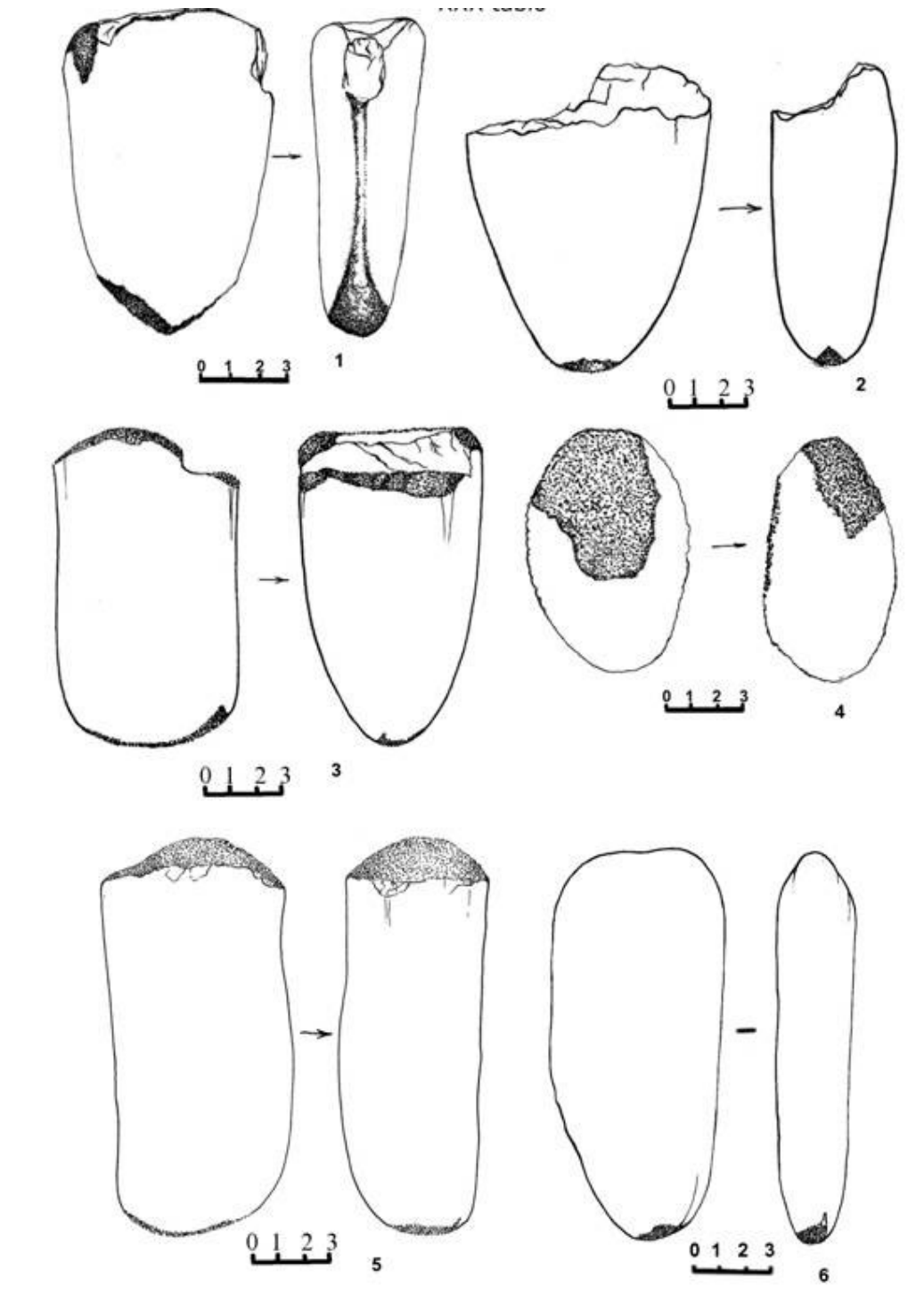
Boyuk Kasik Stone objects: 1, 3, 5 querns, 2 mortar, 4 padstone.

Plate XXIX.



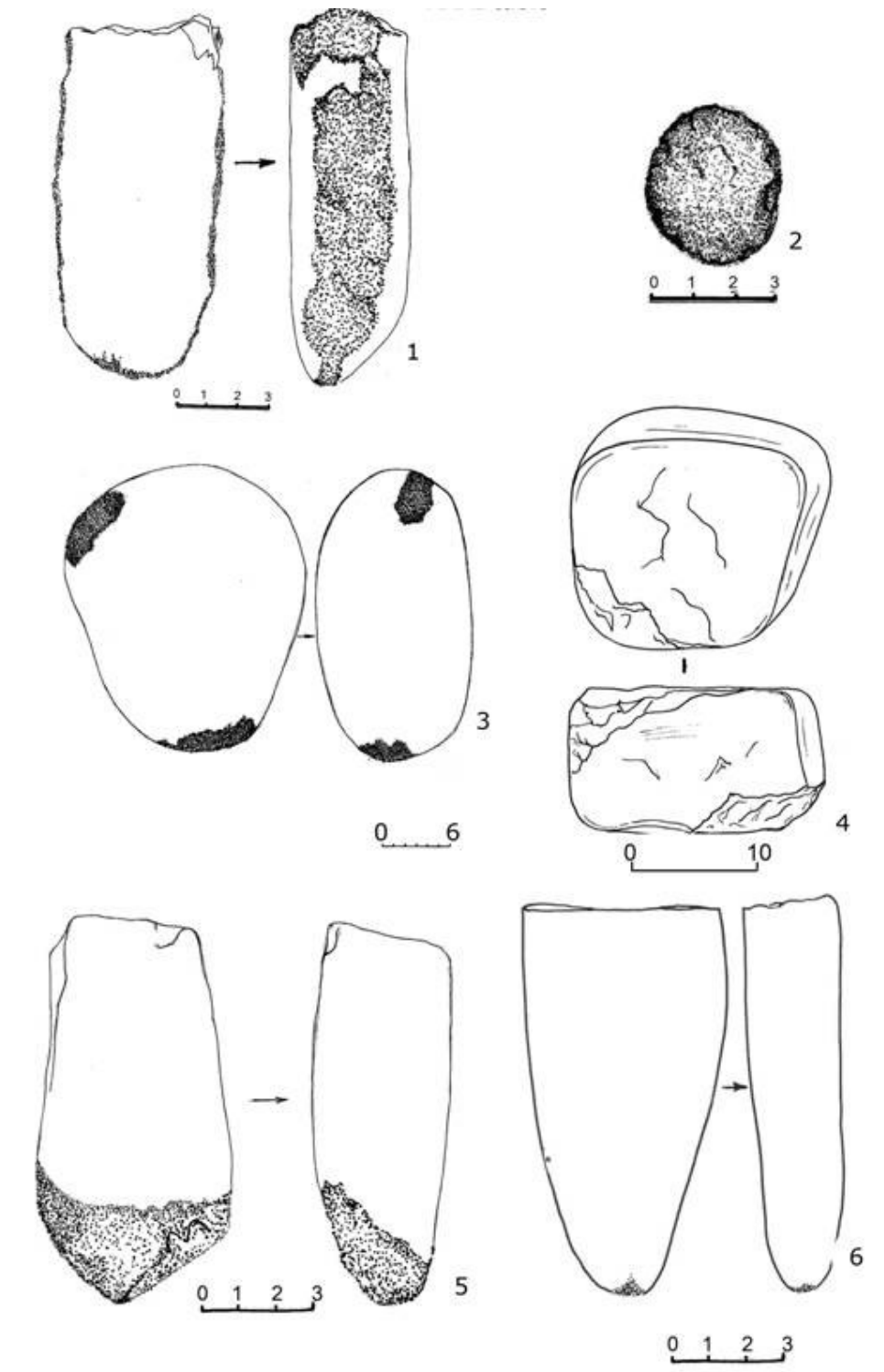
Boyuk Kasik Stone objects: 1-3 pounders, 6 bead, 9 Potters wheel, 4-5, 7-8 obsidian arrowheads.

Plate XXX.



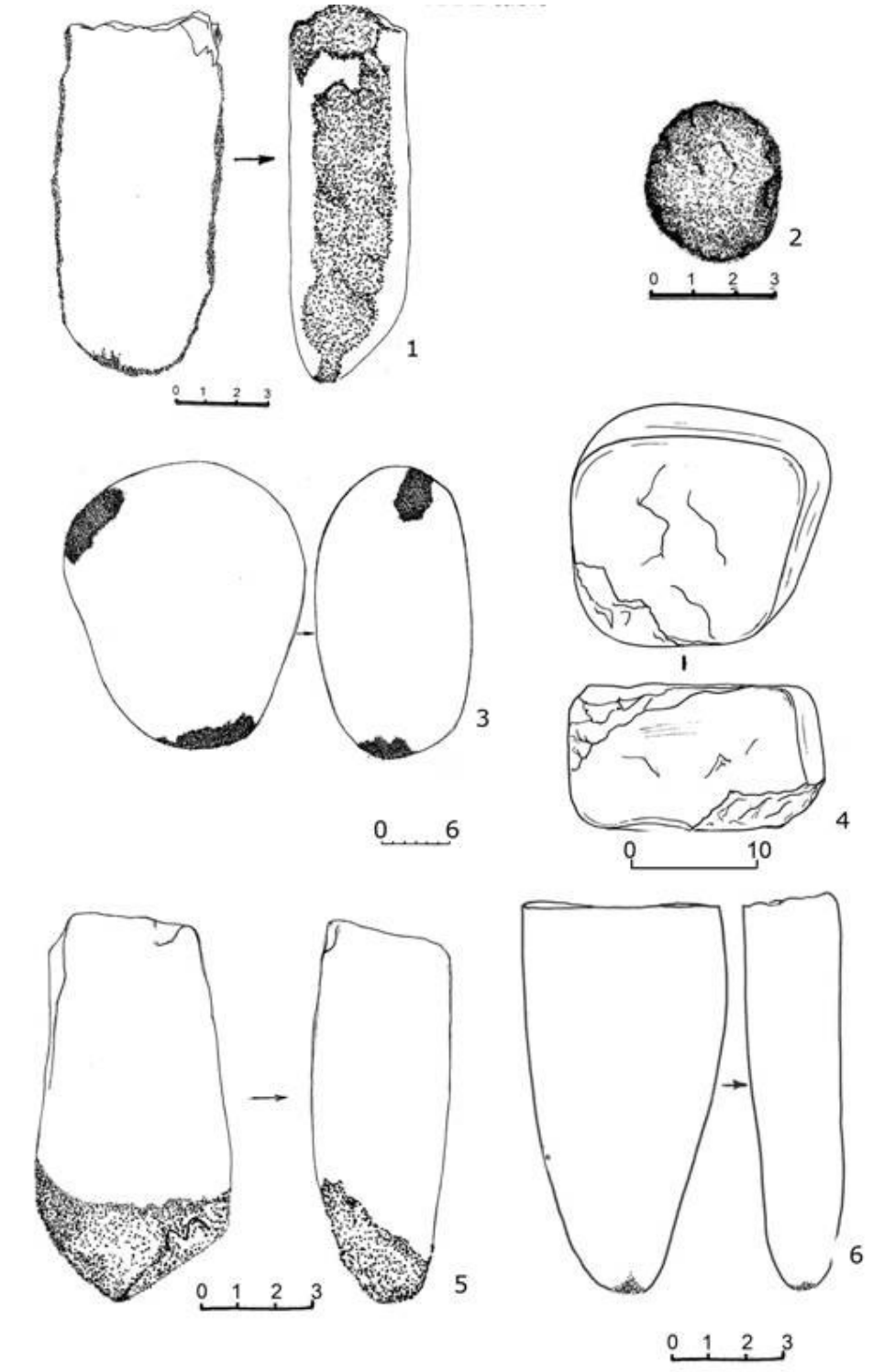
Boyuk Kasik Stone objects. Pounders.

Plate XXXI.



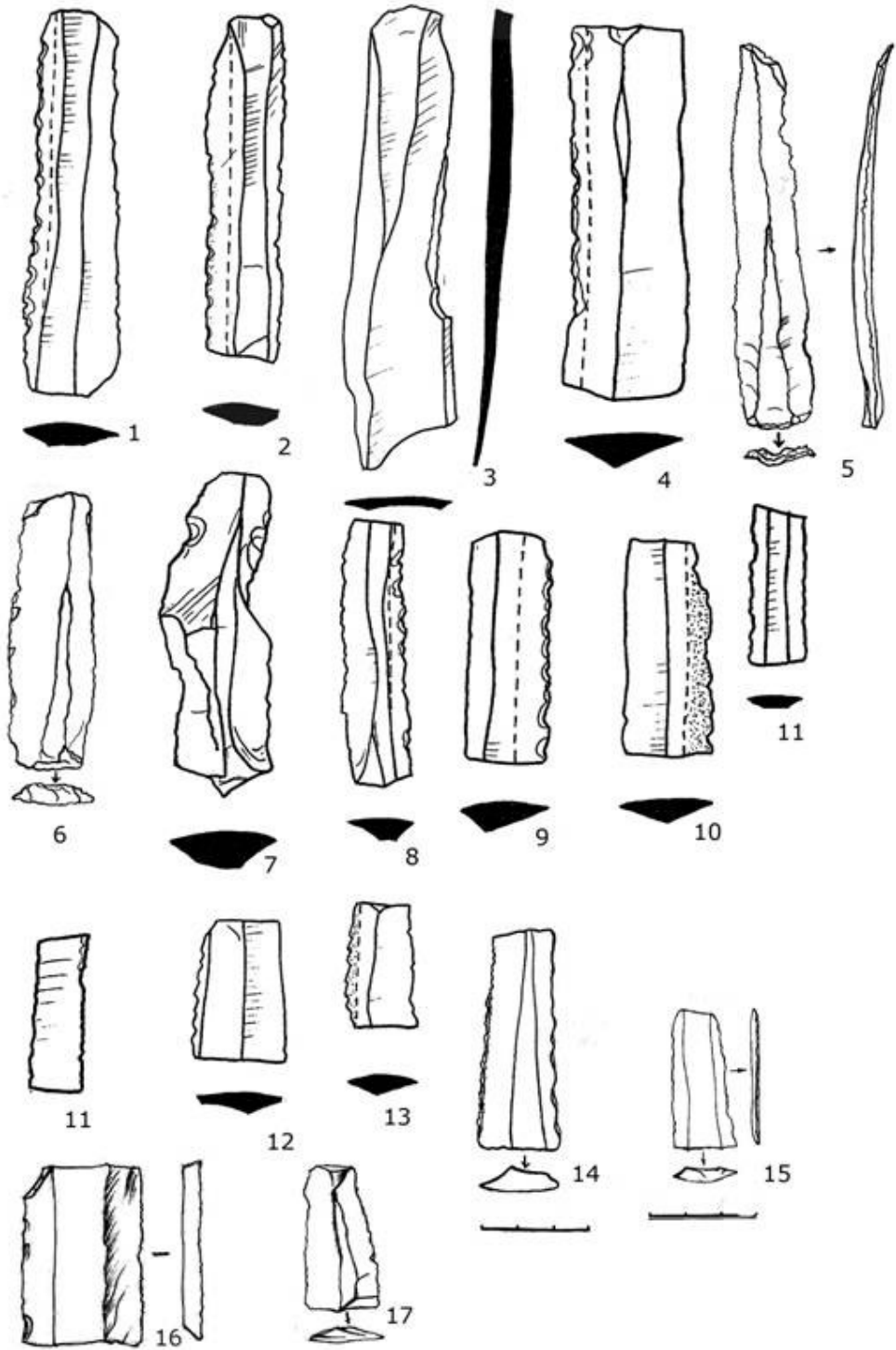
Boyuk Kasik Stone Objects: 1, 3-6 pounders, 2 slingshot.

Plate XXXII.



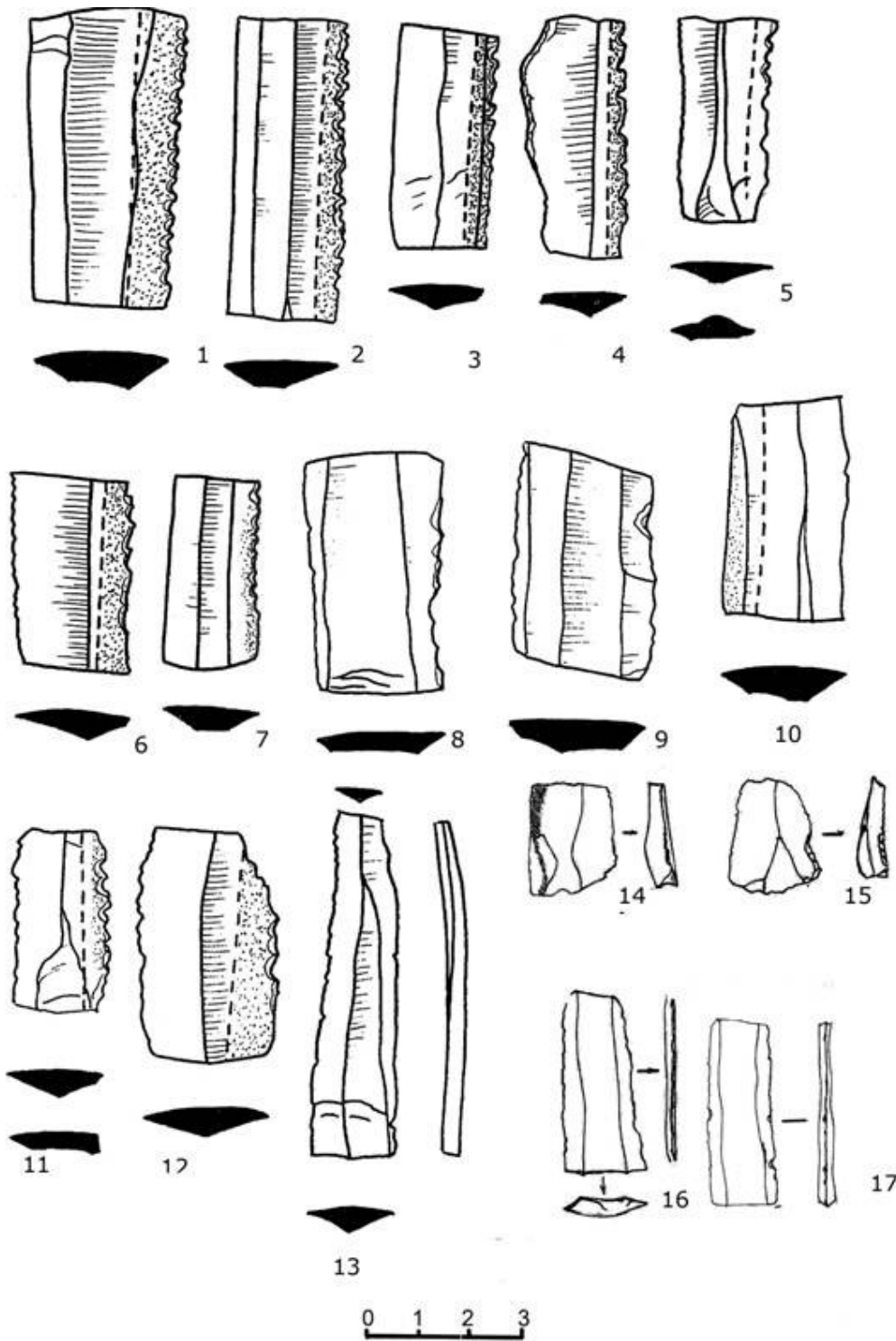
Boyuk Kasik Obsidian blades.

Plate XXXIII.



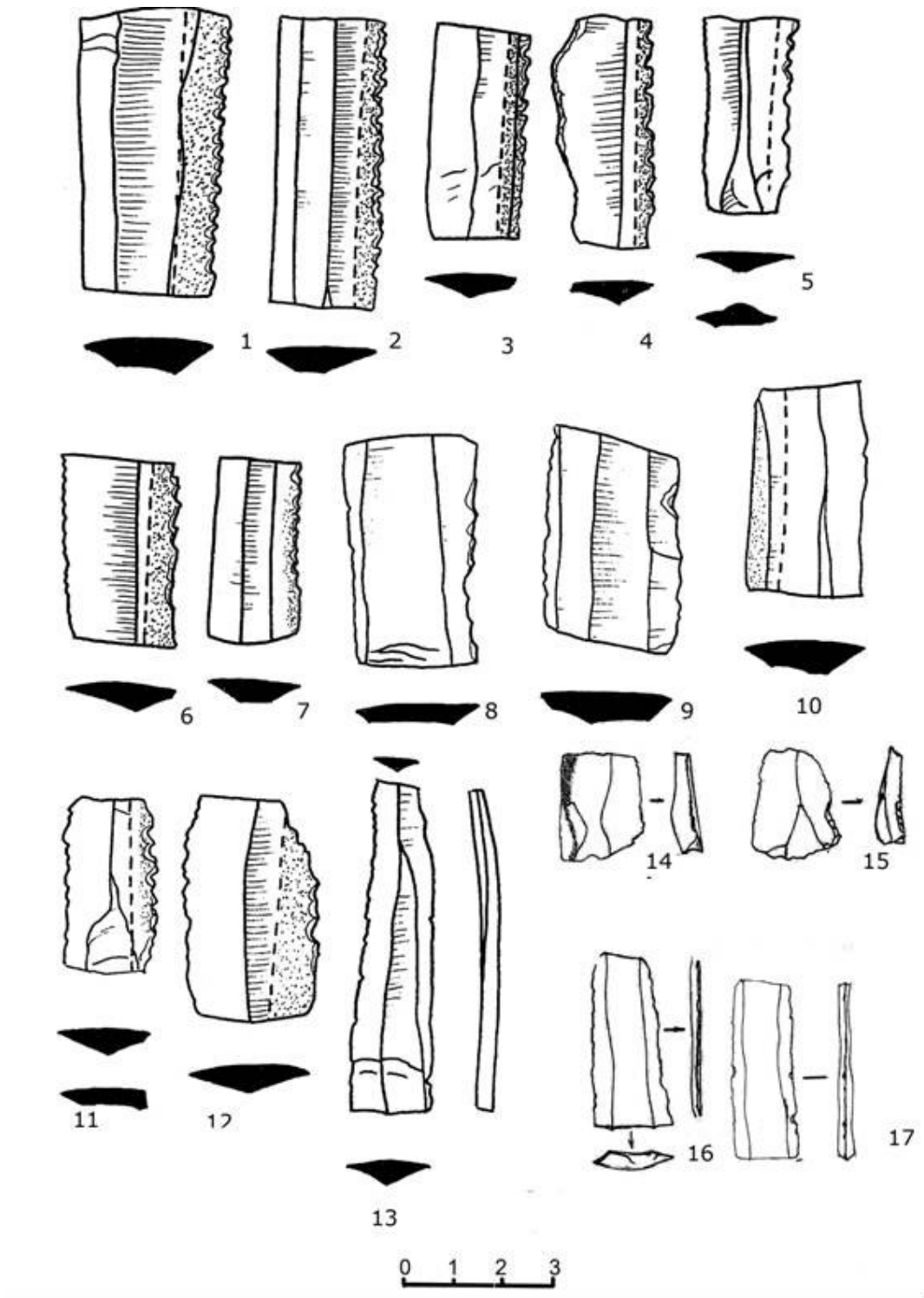
Boyuk Kasik Obsidian blades.

Plate XXXIV.



Boyuk Kasik Obsidian blades.

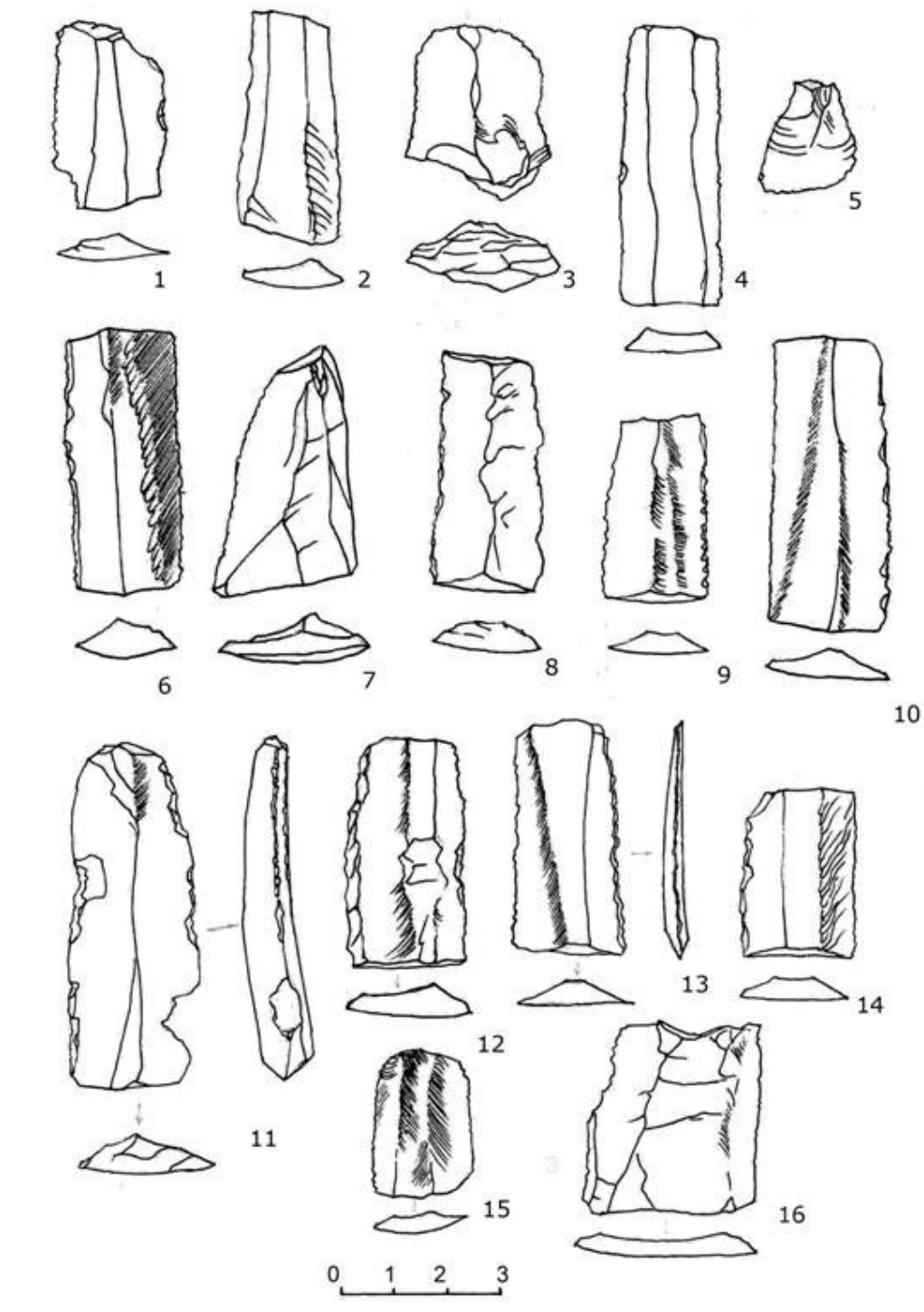
Plate XXXV.



Boyuk Kasik Obsidian blades.

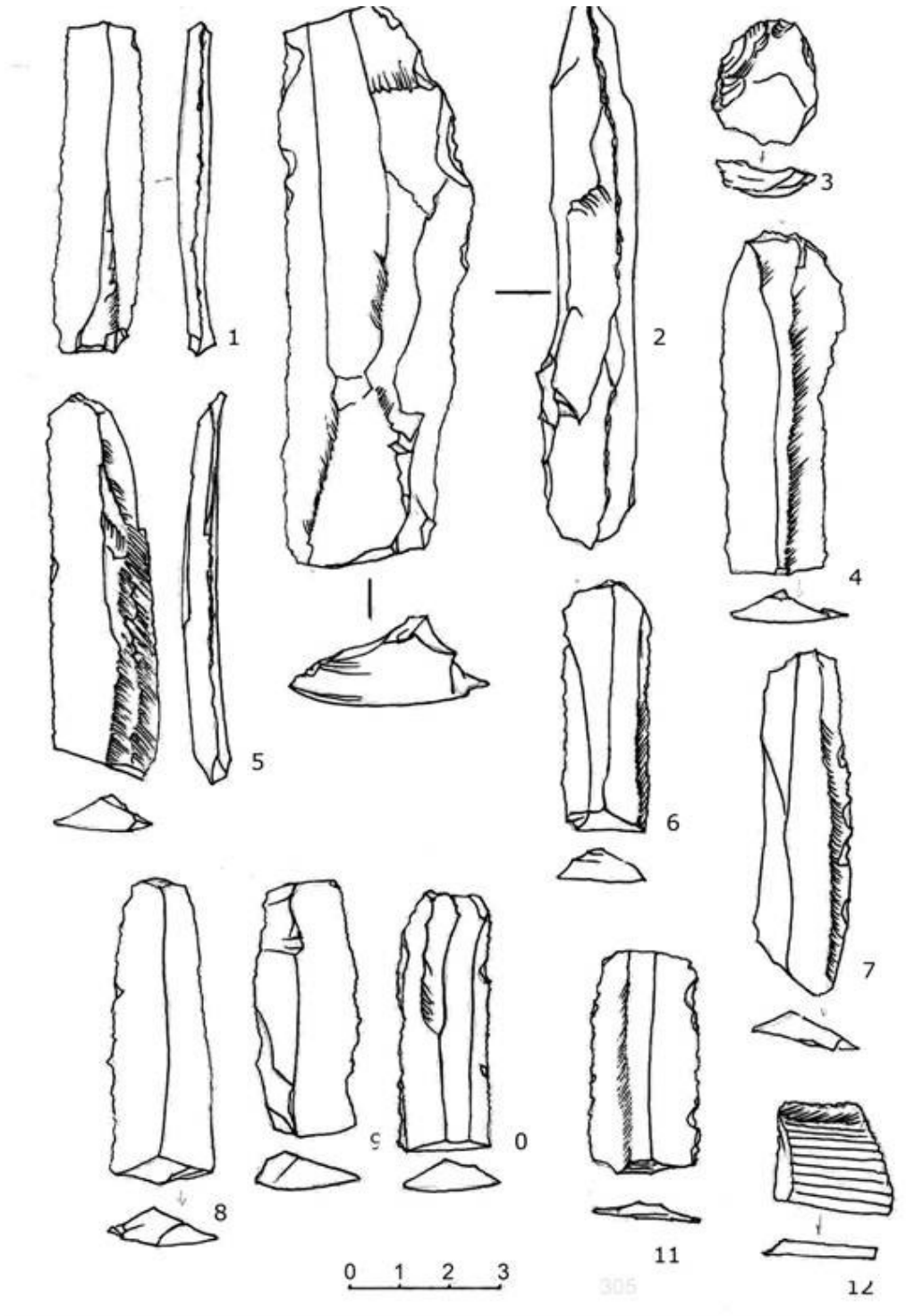


Plate XXXVI.



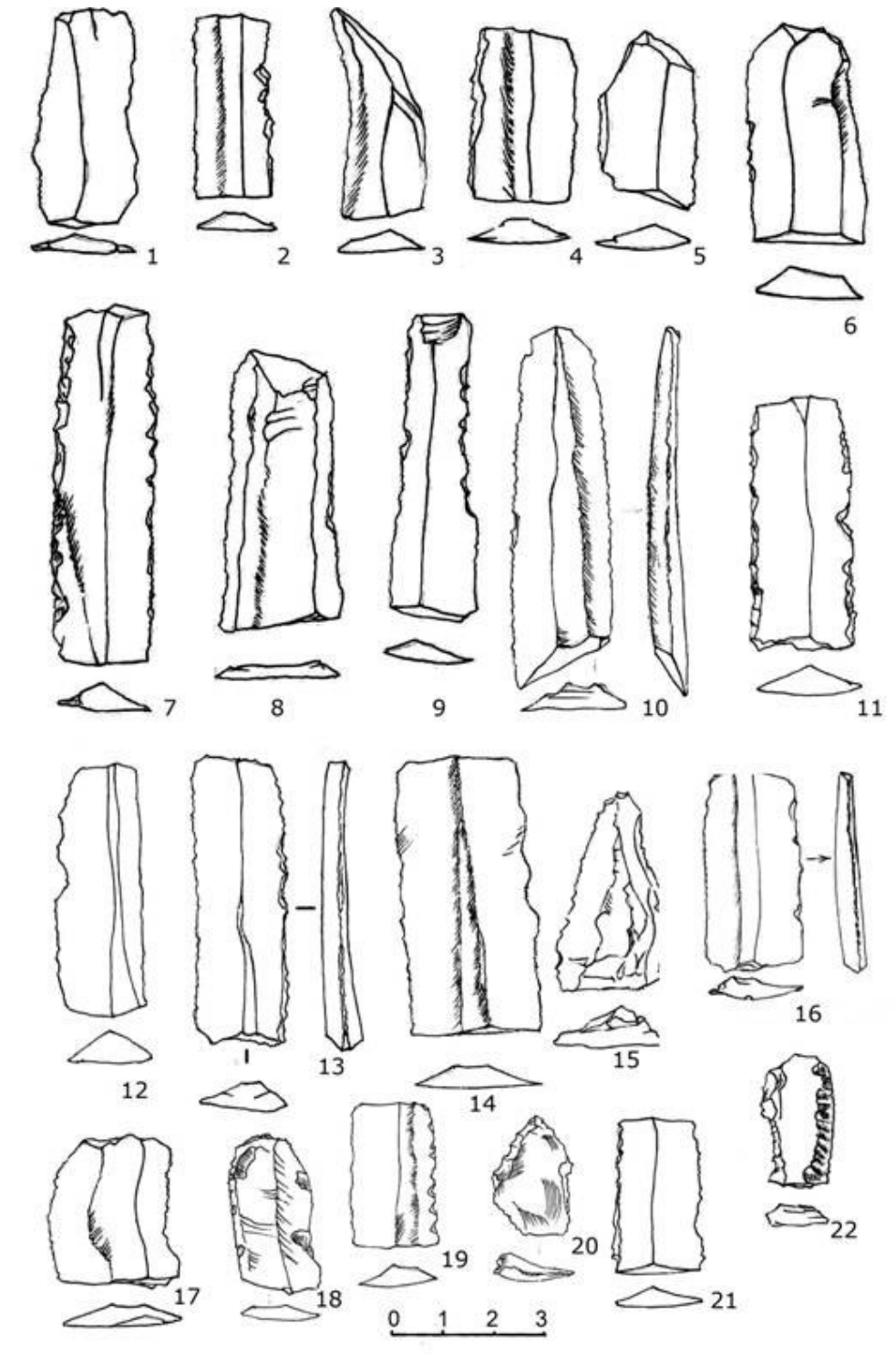
Boyuk Kasik Obsidian blades.

Plate XXXVII.



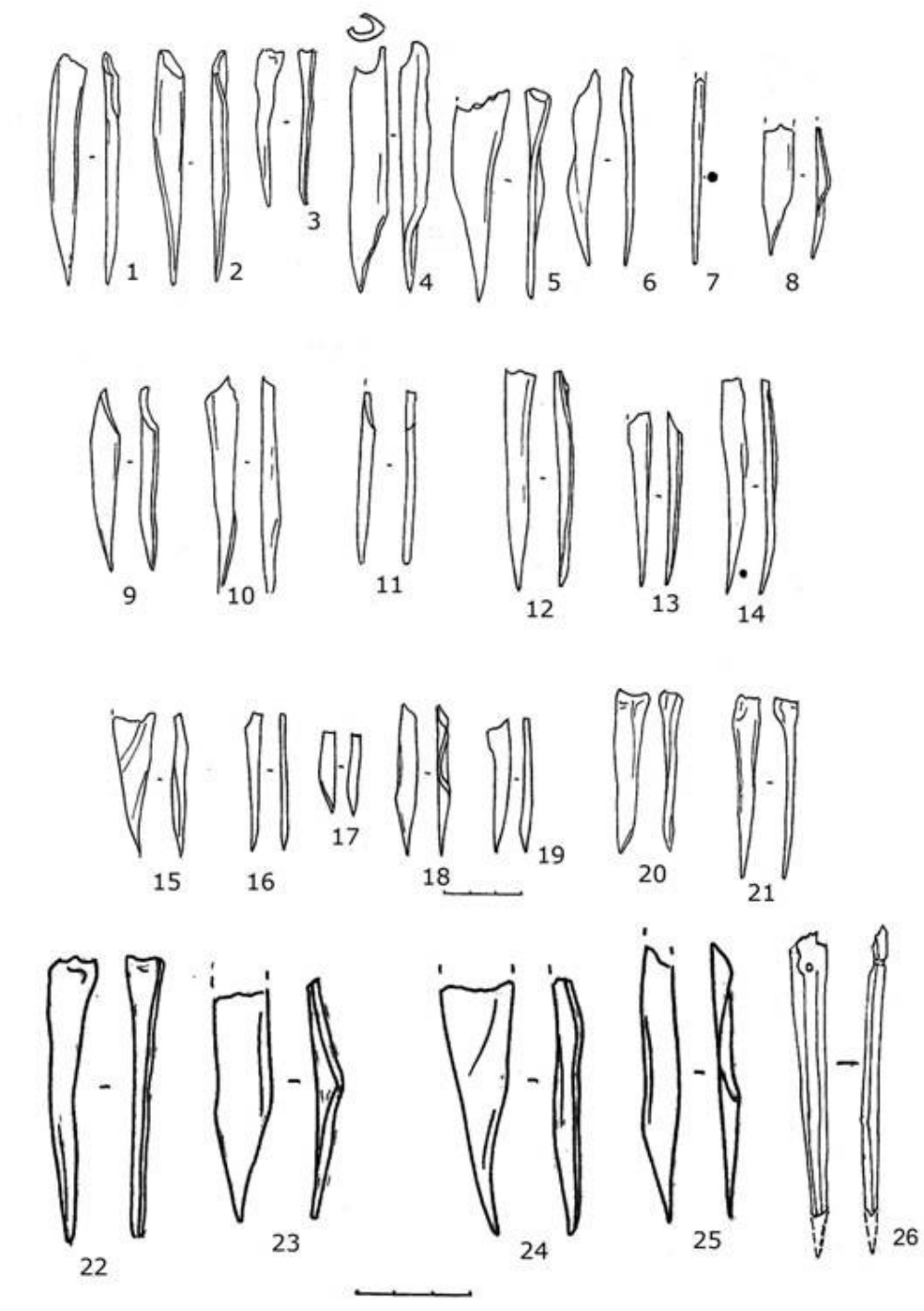
Boyuk Kasik Obsidian blades.

Plate XXXVIII.



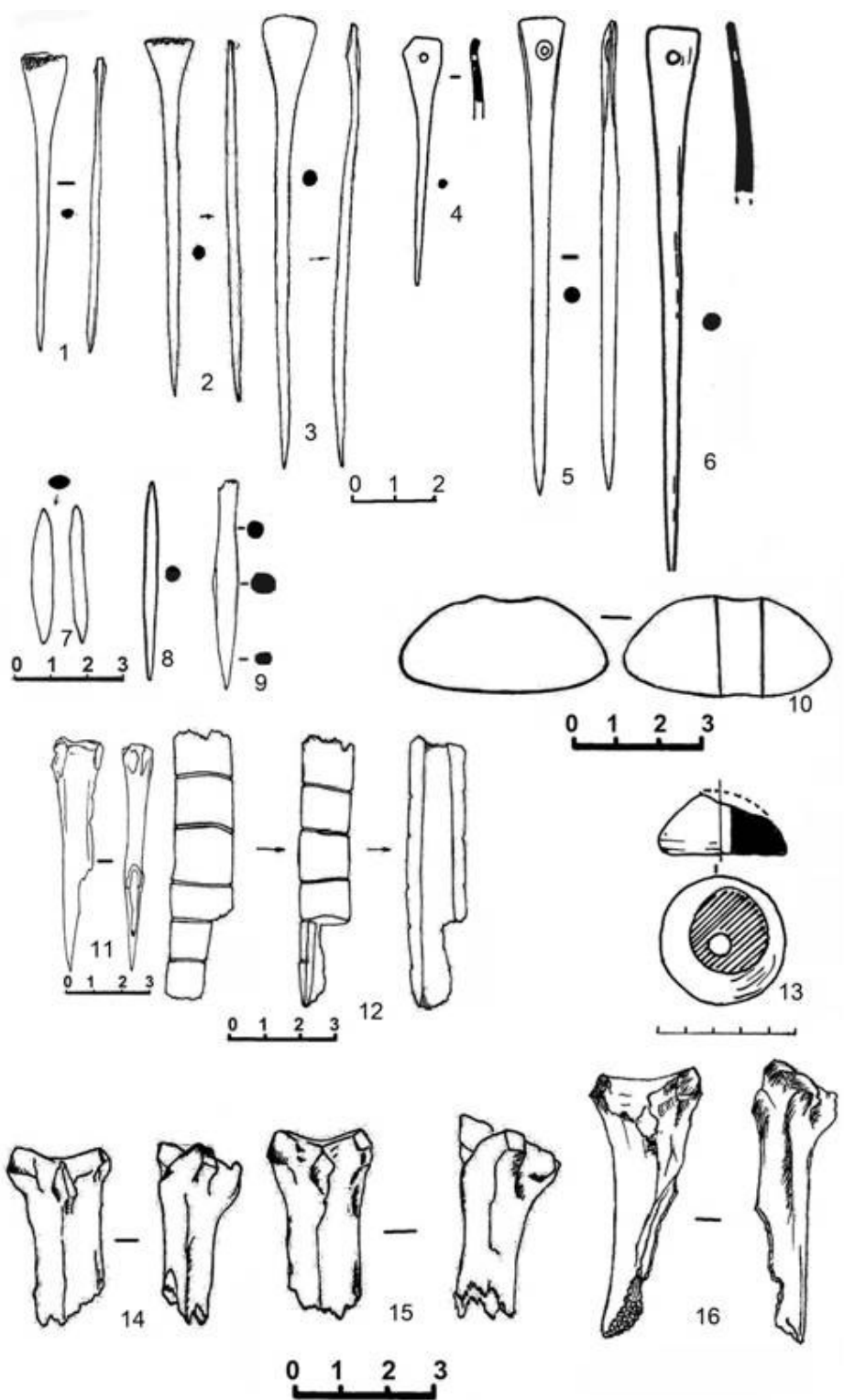
Boyuk Kasik Obsidian blades.

Plate XXXIX.



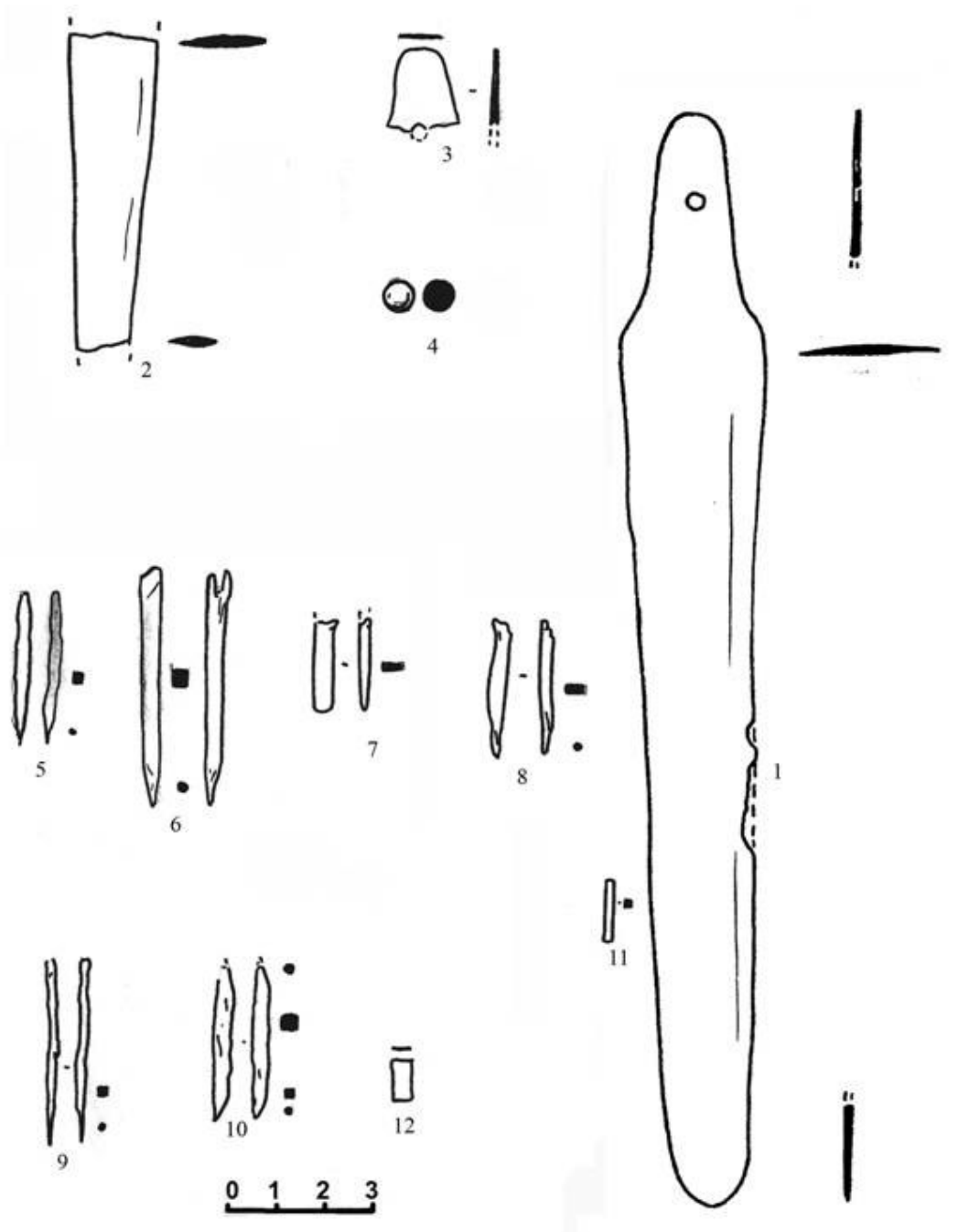
Boyuk Kasik Bone objects: 1-25 awls, 26 needles.

Plate XL.



Boyuk Kasik Bone objects; 1-3, 8-9 pins, 4-6 needles, 7, 11 awls, 12, 14-16 carved bone, 10, 13 spindle whorl.

Plate XLI.



Boyuk Kasik Metal objects; 1 Dagger, 2 Dagger tang, 3 Possible dagger tang, 4 melted rivulet, 5-6 awls, 7 Possible Awl fragment, 8-11 Awl fragments, 12 object.

## VII. Inventory of Artefacts

### Excavation Site I

No.	KP	Type of site	Material	Find	Quadrante Number	Comment
1	438	settlement	ceramic	jug fragment	1	heavily tempered
2	438	settlement	ceramic	jug fragment	1	
3	438	settlement	ceramic	jug fragment	1	
4	438	settlement	ceramic	jug fragment	1	
5	438	settlement	ceramic	jug fragment	1	
6	438	settlement	ceramic	jug fragment	1	
7	438	settlement	ceramic	jug fragment	1	
8	438	settlement	ceramic	jug fragment	1	
9	438	settlement	ceramic	jug fragment	1	heavily tempered
10	438	settlement	flint	knife fragment	1	
11	438	settlement	ceramic	jug fragment	2	
12	438	settlement	ceramic	jug fragment	2	
13	438	settlement	ceramic	jug fragment	2	
14	438	settlement	ceramic	jug fragment	2	
15	438	settlement	ceramic	jug fragment	2	
16	438	settlement	ceramic	jug fragment	2	
17	438	settlement	ceramic	jug fragment	2	heavily tempered
18	438	settlement	ceramic	jug fragment	2	
19	438	settlement	ceramic	jug fragment	2	
20	438	settlement	stone	slingshot stone	3	
21	438	settlement	ceramic	bowl	3	heavily tempered
22	438	settlement	ceramic	jar	3	
23	438	settlement	ceramic	jar	3	
24	438	settlement	ceramic	jar	3	
25	438	settlement	ceramic	jar	3	
26	438	settlement	ceramic	jar	3	
27	438	settlement	ceramic	jar	3	
28	438	settlement	ceramic	jar	3	
29	438	settlement	ceramic	jar	3	
30	438	settlement	ceramic	jar	3	
31	438	settlement	ceramic	jar	3	heavily tempered
32	438	settlement	obsidian	flake	3	
33	438	settlement	flint	flake	3	
34	438	settlement	flint	flake	4	
35	438	settlement	flint	flake	4	
36	438	settlement	flint	flake	4	
37	438	settlement	flint	flake	4	
38	438	settlement	flint	flake	4	
39	438	settlement	flint	flake	4	
40	438	settlement	flint	flake	4	
41	438	settlement	ceramic	fragment	4	heavily tempered

42	438	settlement	ceramic	fragment	4	heavily tempered
43	438	settlement	ceramic	fragment	4	heavily tempered
44	438	settlement	obsidian	flake	4	
45	438	settlement	flint	flake	4	
46	438	settlement	ceramic	jar	4	
47	438	settlement	ceramic	jar	4	
48	438	settlement	ceramic	plate fragment	4	heavily tempered
49	438	settlement	flint	flake	4	
50	438	settlement	ceramic	jar	1	
51	438	settlement	ceramic	jar	2	
52	438	settlement	ceramic	jar	2	
53	438	settlement	ceramic	jar	2	
54	438	settlement	ceramic	jar	2	
55	438	settlement	ceramic	jar	2	
56	438	settlement	ceramic	jar	2	
57	438	settlement	ceramic	jar	8	
58	438	settlement	ceramic	jar	8	
59	438	settlement	ceramic	jar	8	
60	438	settlement	ceramic	jar	8	
61	438	settlement	ceramic	jar	8	
62	438	settlement	stone	flint	8	
63	438	settlement	stone	flint	8	
64	438	settlement	obsidian	flake	8	
65	438	settlement	ceramic	jar	6	
66	438	settlement	ceramic	jar	6	
67	438	settlement	ceramic	jar	6	
68	438	settlement	flint	tool	6	both sides serrated
69	438	settlement	stone	tool	6	
70	438	settlement	ceramic	jar	7	
71	438	settlement	ceramic	jar	7	
72	438	settlement	ceramic	jar	7	
73	438	settlement	ceramic	jug	7	
74	438	settlement	ceramic	jar	7	
75	438	settlement	flint	flake	7	both sides serrated
76	438	settlement	flint	flake	7	both sides serrated
77	438	settlement	flint	flake	7	both sides serrated
78	438	settlement	ceramic	jar	5	
79	438	settlement	ceramic	jar	5	
80	438	settlement	ceramic	jug	5	
81	438	settlement	ceramic	jug	5	
82	438	settlement	ceramic	jar	5	
83	438	settlement	ceramic	jar	5	
84	438	settlement	ceramic	dopu	5	
85	438	settlement	ceramic	jug	5	
86	438	settlement	flint	flake	5	both sides serrated



87	438	settlement	flint	flake	5	both sides serrated
88	438	settlement	flint	flake	5	both sides serrated
89	438	settlement	ceramic	jar	1	
90	438	settlement	ceramic	jar	1	
91	438	settlement	ceramic	jar	1	
92	438	settlement	ceramic	jar	1	
93	438	settlement	ceramic	jar	1	
94	438	settlement	ceramic	jar	1	
95	438	settlement	ceramic	jar	1	
96	438	settlement	flint	flake	1	
97	438	settlement	ceramic	jar	2	
98	438	settlement	ceramic	jar	2	
99	438	settlement	ceramic	jar	2	
100	438	settlement	ceramic	jar	2	
101	438	settlement	ceramic	jar	2	
102	438	settlement	ceramic	jar	2	
103	438	settlement	ceramic	jar	3	
104	438	settlement	ceramic	jar	3	
105	438	settlement	ceramic	jar	3	
106	438	settlement	ceramic	jar	3	
107	438	settlement	ceramic	jar	3	
108	438	settlement	ceramic	jar	3	
109	438	settlement	flint	flake	3	
110	438	settlement	ceramic	jar	4	
111	438	settlement	ceramic	jar	4	
112	438	settlement	ceramic	jar	4	
113	438	settlement	ceramic	jar	4	
114	438	settlement	ceramic	jar	4	
115	438	settlement	ceramic	jar	4	
116	438	settlement	ceramic	jar	4	
117	438	settlement	flint	flake	4	
118	438	settlement	ceramic	jar	6	
119	438	settlement	ceramic	plate fragment	1	
120	438	settlement	ceramic	jar	1	
121	438	settlement	ceramic	jar	1	
122	438	settlement	ceramic	jar	1	
123	438	settlement	ceramic	jug	1	
124	438	settlement	ceramic	jar	1	
125	438	settlement	ceramic	jar	1	
126	438	settlement	ceramic	pot	1	
127	438	settlement	ceramic	jar	1	
128	438	settlement	ceramic	jug	1	
129	438	settlement	ceramic	jug	1	
130	438	settlement	ceramic	jar	1	
131	438	settlement	ceramic	jar	1	

132	438	settlement	ceramic	jar	1	
133	438	settlement	ceramic	pot	1	
134	438	settlement	ceramic	pot	1	
135	438	settlement	ceramic	plate fragment	1	
136	438	settlement	ceramic	plate fragment	1	
137	438	settlement	ceramic	plate fragment	1	
138	438	settlement	flint	flake	1	
139	438	settlement	obsidian	flake	1	
140	438	settlement	ceramic	jar	2	
141	438	settlement	ceramic	plate fragment	2	
142	438	settlement	ceramic	plate fragment	2	
143	438	settlement	ceramic	dopu	2	
144	438	settlement	ceramic	jug	2	
145	438	settlement	ceramic	jug	2	
146	438	settlement	ceramic	jug	2	
147	438	settlement	ceramic	jar	2	
148	438	settlement	stone	tool	2	
149	438	settlement	ceramic	jar	3	
150	438	settlement	ceramic	jar	3	
151	438	settlement	ceramic	dopu	3	
152	438	settlement	stone	grind stone	3	
153	438	settlement	ceramic	jar	1	
154	438	settlement	ceramic	plate fragment	1	
155	438	settlement	ceramic	plate fragment	1	
156	438	settlement	ceramic	plate fragment	1	
157	438	settlement	ceramic	plate fragment	1	
158	438	settlement	ceramic	jug	1	
159	438	settlement	ceramic	jug	1	
160	438	settlement	ceramic	jug	1	
161	438	settlement	ceramic	plate fragment	1	
162	438	settlement	ceramic	jug	1	
163	438	settlement	ceramic	plate fragment	1	
164	438	settlement	ceramic	plate fragment	1	
165	438	settlement	ceramic	plate fragment	1	
166	438	settlement	ceramic	jug	1	
167	438	settlement	ceramic	jug	1	
168	438	settlement	ceramic	jug	1	
169	438	settlement	ceramic	jug	1	
170	438	settlement	ceramic	jar	1	
171	438	settlement	flint	flake	1	both sides serrated
172	438	settlement	flint	flake	1	both sides serrated
173	438	settlement	flint	flake	1	both sides serrated
174	438	settlement	bone	awl	1	
175	438	settlement	wood	charcoal	2	
176	438	settlement	flint	flake	3	

177	438	settlement	flint	flake	4	
178	438	settlement	ceramic	perforated fragment	4	heavily tempered
179	438	settlement	ceramic	jar	2	
180	438	settlement	ceramic	jar	2	
181	438	settlement	ceramic	jug	2	
182	438	settlement	ceramic	plate fragment	2	plant tempered
183	438	settlement	ceramic	plate fragment	2	plant tempered
184	438	settlement	ceramic	platter	2	
185	438	settlement	stone	tool	2	
186	438	settlement	ceramic	vessel fragment	4	
187	438	settlement	ceramic	vessel fragment	4	
188	438	settlement	ceramic	vessel fragment	4	
189	438	settlement	ceramic	vessel fragment	4	
190	438	settlement	ceramic	vessel fragment	4	
191	438	settlement	ceramic	jar	3	
192	438	settlement	ceramic	jar	3	
193	438	settlement	ceramic	jug	3	plant tempered
194	438	settlement	ceramic	jug	3	plant tempered
195	438	settlement	ceramic	jar	3	
196	438	settlement	ceramic	jug	3	
197	438	settlement	wood	charcoal	3	
198	438	settlement	flint	flake	1	
199	438	settlement	obsidian	flake	1	
200	438	settlement	ceramic	platter	1	plant tempered
201	438	settlement	ceramic	jar	1	
202	438	settlement	ceramic	jar	1	
203	438	settlement	ceramic	jar	1	
204	438	settlement	ceramic	jar	1	
205	438	settlement	ceramic	jar	1	
206	438	settlement	ceramic	jug	1	
207	438	settlement	ceramic	jar	1	
208	438	settlement	ceramic	jar	1	
209	438	settlement	ceramic	jar	1	
210	438	settlement	ceramic	jar	1	
211	438	settlement	ceramic	jar	1	
212	438	settlement	ceramic	jug	1	
213	438	settlement	ceramic	pot	1	
214	438	settlement	ceramic	pot	1	
215	438	settlement	ceramic	pot	1	
216	438	settlement	ceramic	plate fragment	1	
217	438	settlement	ceramic	pot	1	
218	438	settlement	ceramic	jug	1	
219	438	settlement	ceramic	plate fragment	1	
220	438	settlement	ceramic	jug	1	
221	438	settlement	ceramic	jug	1	

222	438	settlement	ceramic	jug	1	
223	438	settlement	ceramic	jug	1	
224	438	settlement	ceramic	jug	1	
225	438	settlement	ceramic	jug	1	
226	438	settlement	ceramic	jar	1	
227	438	settlement	ceramic	jug	1	plant tempered
228	438	settlement	ceramic	jug	1	plant tempered
229	438	settlement	ceramic	jug	1	plant tempered
230	438	settlement	ceramic	jug	1	plant tempered
231	438	settlement	ceramic	dopu	5	plant tempered
232	438	settlement	ceramic	dopu	5	plant tempered
233	438	settlement	ceramic	dopu	5	plant tempered
234	438	settlement	ceramic	pot	5	plant tempered
235	438	settlement	ceramic	jar	5	plant tempered
236	438	settlement	ceramic	jar	5	
237	438	settlement	ceramic	jar	5	
238	438	settlement	ceramic	jug	5	
239	438	settlement	ceramic	jug	5	
240	438	settlement	ceramic	jar	5	
241	438	settlement	ceramic	dopu	5	
242	438	settlement	ceramic	jar	5	
243	438	settlement	ceramic	jug	5	
244	438	settlement	ceramic	dopu	5	
245	438	settlement	ceramic	jug	5	
246	438	settlement	ceramic	dopu	5	
247	438	settlement	ceramic	dopu	5	
248	438	settlement	ceramic	jar	5	
249	438	settlement	ceramic	jar	5	
250	438	settlement	ceramic	jar	5	
251	438	settlement	ceramic	jar	5	
252	438	settlement	ceramic	jar	5	
253	438	settlement	ceramic	jar	5	
254	438	settlement	flint	fake	5	
255	438	settlement	ceramic	jar	6	
256	438	settlement	ceramic	jar	6	
257	438	settlement	ceramic	jar	6	
258	438	settlement	ceramic	jar	6	
259	438	settlement	ceramic	jar	6	
260	438	settlement	ceramic	jar	6	
261	438	settlement	ceramic	jar	6	
262	438	settlement	ceramic	jar	6	
263	438	settlement	ceramic	jug	6	
264	438	settlement	ceramic	jug	6	
265	438	settlement	ceramic	jug	6	
266	438	settlement	ceramic	jug	6	

267	438	settlement	ceramic	jug	6	
268	438	settlement	ceramic	jar	7	
269	438	settlement	ceramic	jar	7	
270	438	settlement	ceramic	jar	7	
271	438	settlement	ceramic	jar	7	
272	438	settlement	ceramic	jar	7	
273	438	settlement	ceramic	jar	7	
274	438	settlement	ceramic	jar	7	
275	438	settlement	ceramic	jar	7	
276	438	settlement	obsidian	flake	7	
277	438	settlement	ceramic	jug	8	
278	438	settlement	ceramic	pot	8	
279	438	settlement	ceramic	jug	8	
280	438	settlement	ceramic	jug	8	
281	438	settlement	ceramic	jug	8	
282	438	settlement	ceramic	jug	8	
283	438	settlement	flint	flake	8	
284	438	settlement	ceramic	jar	6	
285	438	settlement	ceramic	jar	1	
286	438	settlement	ceramic	jar	2	
287	438	settlement	ceramic	jar	3	
288	438	settlement	ceramic	jar	8	
289	438	settlement	ceramic	platter	8	
290	438	settlement	ceramic	jar	9	
291	438	settlement	ceramic	jar	1	
292	438	settlement	ceramic	jug	1	
293	438	settlement	stone	bead	1	
294	438	settlement	bone	awl	1	
295	438	settlement	ceramic	vessel fragment	1	
296	438	settlement	ceramic	bowl	1	
297	438	settlement	flint	flake	1	
298	438	settlement	flint	flake	1	
299	438	settlement	flint	flake	1	
300	438	settlement	flint	flake	1	
301	438	settlement	ceramic	pan	1	
302	438	settlement	ceramic	pan	9	
303	438	settlement	ceramic	pan	9	
304	438	settlement	obsidian	flake	9	
305	438	settlement	obsidian	flake	9	
306	438	settlement	flint	flake	9	
307	438	settlement	flint	flake	9	
308	438	settlement	flint	flake	9	
309	438	settlement	flint	flake	9	
310	438	settlement	flint	flake	1	
311	438	settlement	flint	flake	1	

312	438	settlement	stone	tool	1	
313	438	settlement	obsidian	flake	1	possibly worked
314	438	settlement	ceramic	jar	4	
315	438	settlement	stone	tool	9	possibly worked
316	438	settlement	stone	tool	9	possibly worked
317	438	settlement	stone	tool	9	possibly worked
318	438	settlement	flint	flake	9	
319	438	settlement	ceramic	fragment	9	storage vessel
320	438	settlement	bone	joint bone	9	
321	438	settlement	flint	flake	9	
322	438	settlement	ceramic	jar	10	
323	438	settlement	ceramic	jar	10	
324	438	settlement	stone	tool	10	
325	438	settlement	flint	flake	10	
326	438	settlement	flint	flake	10	
327	438	settlement	flint	flake	10	
328	438	settlement	metal	copper	10	
329	438	settlement	flint	flake	8	
330	438	settlement	ceramic	vessel fragment	8	
331	438	settlement	ceramic	vessel fragment	8	
332	438	settlement	ceramic	vessel fragment	8	
333	438	settlement	ceramic	vessel fragment	8	
334	438	settlement	ceramic	plate fragment	1	
335	438	settlement	ceramic	platter	1	
336	438	settlement	ceramic	platter	1	
337	438	settlement	ceramic	platter	1	
338	438	settlement	ceramic	platter	1	
339	438	settlement	ceramic	jug	10	
340	438	settlement	ceramic	jug	10	
341	438	settlement	stone	tool	10	
342	438	settlement	stone	tool	10	
343	438	settlement	ceramic	jar	1	
344	438	settlement	flint	flake	1	possibly worked
345	438	settlement	flint	flake	1	possibly worked
346	438	settlement	flint	flake	1	possibly worked
347	438	settlement	flint	flake	1	possibly worked
348	438	settlement	flint	flake	1	possibly worked
349	438	settlement	flint	flake	1	possibly worked
350	438	settlement	flint	flake	1	possibly worked
351	438	settlement	flint	flake	1	possibly worked
352	438	settlement	obsidian	flake	1	
353	438	settlement	obsidian	flake	1	
354	438	settlement	stone	tool	1	
355	438	settlement	ceramic	perforated object	1	plant tempered
356	438	settlement	flint	flake	1	

357	438	settlement	flint	flake	1	
358	438	settlement	flint	flake	1	
359	438	settlement	flint	flake	1	
360	438	settlement	ceramic	jar	1	
361	438	settlement	ceramic	jar	8	
362	438	settlement	ceramic	jar	8	
363	438	settlement	ceramic	jar	8	
364	438	settlement	ceramic	jar	8	
365	438	settlement	ceramic	jar	8	
366	438	settlement	ceramic	jar	8	
367	438	settlement	ceramic	jar	8	
368	438	settlement	ceramic	jar	8	
369	438	settlement	ceramic	jar	8	
370	438	settlement	ceramic	jar	8	
371	438	settlement	ceramic	jar	8	
372	438	settlement	ceramic	jar	8	
373	438	settlement	ceramic	jar	8	
374	438	settlement	ceramic	jar	8	
375	438	settlement	ceramic	jar	8	
376	438	settlement	ceramic	jar	8	
377	438	settlement	ceramic	jar	8	
378	438	settlement	stone	tool	8	
379	438	settlement	ceramic	jug	3	
380	438	settlement	ceramic	jug	3	
381	438	settlement	ceramic	dopu	9	
382	438	settlement	ceramic	dopu	9	
383	438	settlement	ceramic	dopu	9	
384	438	settlement	ceramic	dopu	9	
385	438	settlement	ceramic	dopu	9	
386	438	settlement	ceramic	dopu	9	
387	438	settlement	ceramic	dopu	9	
388	438	settlement	ceramic	pan	9	
389	438	settlement	ceramic	pan	9	
390	438	settlement	ceramic	pan	9	
391	438	settlement	ceramic	pan	9	
392	438	settlement	ceramic	jar	1	
393	438	settlement	ceramic	jar	1	
394	438	settlement	ceramic	dopu	1	
395	438	settlement	ceramic	jug	1	
396	438	settlement	ceramic	jug	1	
397	438	settlement	ceramic	jug	1	
398	438	settlement	ceramic	jug	1	
399	438	settlement	ceramic	jug	1	
400	438	settlement	ceramic	jug	1	
401	438	settlement	stone	tool	1	one side flat

402	438	settlement	stone	tool	1	one side flat
403	438	settlement	stone	tool	1	one side flat
404	438	settlement	stone	tool	1	one side flat
405	438	settlement	ceramic	tool	10	
406	438	settlement	ceramic	tool	10	
407	438	settlement	ceramic	tool	10	
408	438	settlement	ceramic	tool	10	
409	438	settlement	stone	tool	10	one side flat
410	438	settlement	stone	tool	10	one side flat
411	438	settlement	stone	tool	10	one side flat
412	438	settlement	stone	tool	10	one side flat
413	438	settlement	stone	tool	10	one side flat
414	438	settlement	stone	tool	10	one side flat
415	438	settlement	stone	tool	10	one side flat
416	438	settlement	stone	tool	10	one side flat
417	438	settlement	stone	tool	10	one side flat
418	438	settlement	stone	tool	10	one side flat
419	438	settlement	obsidian	flake	10	
420	438	settlement	obsidian	flake	10	
421	438	settlement	flint	flake	10	
422	438	settlement	flint	flake	10	
423	438	settlement	flint	flake	10	possibly worked
424	438	settlement	flint	flake	10	possibly worked
425	438	settlement	flint	flake	10	possibly worked
426	438	settlement	flint	flake	10	possibly worked
427	438	settlement	flint	flake	10	possibly worked
428	438	settlement	flint	flake	10	possibly worked
429	438	settlement	obsidian	flake	10	
430	438	settlement	obsidian	flake	10	
431	438	settlement	stone	tool	10	
432	438	settlement	ceramic	jar	1	
433	438	settlement	ceramic	jar	1	
434	438	settlement	flint	flake	1	
435	438	settlement	flint	flake	1	
436	438	settlement	flint	flake	1	
437	438	settlement	flint	flake	1	
438	438	settlement	flint	flake	1	
439	438	settlement	flint	flake	1	
440	438	settlement	flint	flake	1	
441	438	settlement	flint	flake	10	
442	438	settlement	flint	flake	10	
443	438	settlement	flint	flake	10	
444	438	settlement	flint	flake	10	
445	438	settlement	flint	flake	1	
446	438	settlement	ceramic	vessel fragment	1	



447	438	settlement	ceramic	platter	1	
448	438	settlement	ceramic	platter	1	
449	438	settlement	ceramic	platter	1	
450	438	settlement	ceramic	platter	1	
451	438	settlement	flint	flake	1	
452	438	settlement	flint	flake	1	
453	438	settlement	bone	needle	1	
454	438	settlement	ceramic	vessel fragment	8	
455	438	settlement	ceramic	vessel fragment	8	
456	438	settlement	ceramic	vessel fragment	8	
457	438	settlement	ceramic	vessel fragment	8	
458	438	settlement	ceramic	vessel fragment	8	
459	438	settlement	ceramic	vessel fragment	8	
460	438	settlement	ceramic	vessel fragment	8	
461	438	settlement	ceramic	vessel fragment	8	
462	438	settlement	ceramic	vessel fragment	8	
463	438	settlement	ceramic	vessel fragment	8	
464	438	settlement	ceramic	platter	8	
465	438	settlement	ceramic	platter	8	
466	438	settlement	ceramic	platter	8	
467	438	settlement	ceramic	jug	8	
468	438	settlement	ceramic	jug	8	
469	438	settlement	flint	flake	8	
470	438	settlement	flint	flake	8	
471	438	settlement	flint	flake	8	
472	438	settlement	flint	flake	8	
473	438	settlement	ceramic	vessel fragment	1	
474	438	settlement	ceramic	vessel fragment	1	
475	438	settlement	ceramic	vessel fragment	1	
476	438	settlement	ceramic	vessel fragment	1	
477	438	settlement	ceramic	platter	1	
478	438	settlement	ceramic	platter	1	
479	438	settlement	ceramic	pan	1	
480	438	settlement	ceramic	pan	1	
481	438	settlement	ceramic	pan	1	
482	438	settlement	ceramic	pan	1	
483	438	settlement	ceramic	pan	1	
484	438	settlement	ceramic	pan	1	
485	438	settlement	ceramic	pan	1	
486	438	settlement	ceramic	pan	1	
487	438	settlement	ceramic	pan	1	
488	438	settlement	ceramic	jug	8	
489	438	settlement	ceramic	platter	8	
490	438	settlement	ceramic	platter	8	
491	438	settlement	ceramic	dopu	8	

492	438	settlement	ceramic	pan	8	
493	438	settlement	ceramic	jug	8	
494	438	settlement	ceramic	jug	8	
495	438	settlement	ceramic	jug	8	
496	438	settlement	ceramic	jar	8	
497	438	settlement	ceramic	jar	8	
498	438	settlement	ceramic	jar	8	
499	438	settlement	ceramic	jar	8	
500	438	settlement	ceramic	jar	10	
501	438	settlement	ceramic	jar	10	
502	438	settlement	ceramic	jar	10	
503	438	settlement	ceramic	jar	10	
504	438	settlement	ceramic	jar	5	
505	438	settlement	stone	quern	10	
506	438	settlement	ceramic	vessel fragment	8	
507	438	settlement	ceramic	vessel fragment	8	
508	438	settlement	ceramic	vessel fragment	8	
509	438	settlement	ceramic	vessel fragment	8	
510	438	settlement	ceramic	vessel fragment	8	
511	438	settlement	ceramic	vessel fragment	8	
512	438	settlement	ceramic	vessel fragment	8	
513	438	settlement	ceramic	vessel fragment	8	
514	438	settlement	ceramic	vessel fragment	8	
515	438	settlement	ceramic	vessel fragment	8	
516	438	settlement	ceramic	vessel fragment	8	
517	438	settlement	ceramic	vessel fragment	8	
518	438	settlement	ceramic	jar	8	
519	438	settlement	flint	cutting tool	8	
520	438	settlement	flint	cutting tool	8	
521	438	settlement	stone	slingshot stone	8	
522	438	settlement	ceramic	vessel fragment	6	
523	438	settlement	ceramic	vessel fragment	6	
524	438	settlement	ceramic	vessel fragment	6	
525	438	settlement	ceramic	vessel fragment	6	
526	438	settlement	ceramic	vessel fragment	6	
527	438	settlement	ceramic	vessel fragment	6	
528	438	settlement	ceramic	vessel fragment	7	
529	438	settlement	ceramic	vessel fragment	7	
530	438	settlement	ceramic	vessel fragment	7	
531	438	settlement	ceramic	vessel fragment	7	
532	438	settlement	stone	implement	7	
533	438	settlement	flint	cutting tool	7	
534	438	settlement	flint	cutting tool	7	
535	438	settlement	flint	cutting tool	7	
536	438	settlement	ceramic	jug	10	

537	438	settlement	ceramic	jug	10	
538	438	settlement	ceramic	jug	10	
539	438	settlement	ceramic	jug	10	
540	438	settlement	ceramic	jug	10	
541	438	settlement	ceramic	jug	10	
542	438	settlement	ceramic	jug	7	
543	438	settlement	ceramic	jug	7	
544	438	settlement	ceramic	jug	7	
545	438	settlement	stone	quern	7	
546	438	settlement	stone	quern	7	
547	438	settlement	ceramic	vessel fragment	7	
548	438	settlement	ceramic	vessel fragment	7	
549	438	settlement	ceramic	jug	8	
550	438	settlement	ceramic	jug	10	
551	438	settlement	flint	cutting tool	10	
552	438	settlement	flint	cutting tool	10	
553	438	settlement	flint	cutting tool	10	
554	438	settlement	ceramic	vessel fragment	7	
555	438	settlement	ceramic	spindle whorl	7	plant tempered
556	438	settlement	animal bone	tool	7	
557	438	settlement	ceramic	jar	7	
558	438	settlement	ceramic	perforated object	1a	plant tempered
559	438	settlement	ceramic	perforated object	1a	plant tempered
560	438	settlement	flint	cutting tool	5	
561	438	settlement	flint	cutting tool	5	
562	438	settlement	ceramic	jar	10	
563	438	settlement	ceramic	jar	10	
564	438	settlement	ceramic	jug	10	
565	438	settlement	ceramic	jug	10	
566	438	settlement	ceramic	jug	10	
567	438	settlement	obsidian	nucleus	5	
568	438	settlement	flint	cutting tool	10	well executed
569	438	settlement	flint	cutting tool	10	well executed
570	438	settlement	flint	cutting tool	10	well executed
571	438	settlement	flint	cutting tool	10	well executed
572	438	settlement	flint	cutting tool	10	well executed
573	438	settlement	flint	cutting tool	10	well executed
574	438	settlement	flint	cutting tool	10	well executed
575	438	settlement	flint	cutting tool	10	well executed
576	438	settlement	flint	cutting tool	10	well executed
577	438	settlement	flint	cutting tool	10	well executed
578	438	settlement	flint	cutting tool	10	well executed
579	438	settlement	flint	cutting tool	10	well executed
580	438	settlement	flint	cutting tool	10	well executed
581	438	settlement	flint	cutting tool	10	well executed

582	438	settlement	obsidian	cutting tool	10	well executed
583	438	settlement	obsidian	cutting tool	10	well executed
584	438	settlement	obsidian	cutting tool	10	well executed
585	438	settlement	bone	awl	10	
586	438	settlement	bone	awl	1a	
587	438	settlement	bone	awl	1a	
588	438	settlement	ceramic	pan	1	
589	438	settlement	ceramic	pan	1	
590	438	settlement	ceramic	pan	1	
591	438	settlement	ceramic	pan	1	
592	438	settlement	ceramic	pan	1	
593	438	settlement	ceramic	jug	1	
594	438	settlement	ceramic	jug	1	
595	438	settlement	ceramic	jug	1	
596	438	settlement	ceramic	jug	1	
597	438	settlement	ceramic	jug	1	
598	438	settlement	ceramic	jug	1	
599	438	settlement	ceramic	jug	1	
600	438	settlement	ceramic	jug	1	
601	438	settlement	ceramic	jug	1	
602	438	settlement	ceramic	jug	1	
603	438	settlement	ceramic	jug	1	
604	438	settlement	ceramic	jug	1	
605	438	settlement	ceramic	jug	1	
606	438	settlement	ceramic	jug	1	
607	438	settlement	ceramic	jug	1	
608	438	settlement	ceramic	jug	1	
609	438	settlement	ceramic	jug	1	
610	438	settlement	ceramic	jug	1	
611	438	settlement	ceramic	jug	1	
612	438	settlement	ceramic	jug	1	
613	438	settlement	ceramic	jug	1	
614	438	settlement	ceramic	jug	1	
615	438	settlement	cobblestone	implement	1	
616	438	settlement	cobblestone	implement	1	
617	438	settlement	cobblestone	implement	1	
618	438	settlement	cobblestone	implement	1	
619	438	settlement	cobblestone	implement	1	
620	438	settlement	cobblestone	implement	1	
621	438	settlement	cobblestone	implement	1	
622	438	settlement	cobblestone	implement	1	
623	438	settlement	flint	cutting tool	1	
624	438	settlement	ceramic	jug	10	
625	438	settlement	ceramic	jug	10	
626	438	settlement	ceramic	jug	10	

627	438	settlement	ceramic	jug	10	
628	438	settlement	ceramic	jug	10	
629	438	settlement	ceramic	jug	10	
630	438	settlement	ceramic	jug	10	
631	438	settlement	ceramic	jug	10	
632	438	settlement	ceramic	jug	10	
633	438	settlement	ceramic	jug	10	
634	438	settlement	ceramic	jug	10	
635	438	settlement	ceramic	jug	10	
636	438	settlement	ceramic	jug	10	
637	438	settlement	ceramic	jug	10	
638	438	settlement	ceramic	jug	10	
639	438	settlement	ceramic	jug	10	
640	438	settlement	ceramic	pan	10	
641	438	settlement	ceramic	pan	10	
642	438	settlement	ceramic	pan	10	
643	438	settlement	cobblestone	implement	10	
644	438	settlement	cobblestone	cleaver	10	
645	438	settlement	cobblestone	cleaver	10	
646	438	settlement	cobblestone	cleaver	10	
647	438	settlement	ceramic	vessel fragment	10	
648	438	settlement	ceramic	vessel fragment	10	
649	438	settlement	ceramic	vessel fragment	10	
650	438	settlement	ceramic	vessel fragment	10	
651	438	settlement	stone	implement	10	
652	438	settlement	ceramic	vessel fragment	10	
653	438	settlement	ceramic	vessel fragment	10	
654	438	settlement	ceramic	vessel fragment	10	
655	438	settlement	flint	cutting tool	10	
656	438	settlement	flint	cutting tool	10	
657	438	settlement	flint	cutting tool	10	
658	438	settlement	flint	cutting tool	10	
659	438	settlement	flint	cutting tool	10	
660	438	settlement	flint	cutting tool	1	
661	438	settlement	stone	cleaver	1	
662	438	settlement	stone	slingshot	1	
663	438	settlement	obsidian	nucleus	1	
664	438	settlement	ceramic	vessel fragment	9	
665	438	settlement	obsidian	cutting tool	1	
666	438	settlement	flint	cutting tool	1	
667	438	settlement	flint	cutting tool	1	
668	438	settlement	flint	cutting tool	1	
669	438	settlement	flint	cutting tool	1	
670	438	settlement	flint	cutting tool	1	
671	438	settlement	flint	cutting tool	1	

672	438	settlement	flint	cutting tool	1	
673	438	settlement	flint	cutting tool	1	
674	438	settlement	flint	cutting tool	1	
675	438	settlement	stone	nucleus	1a	
676	438	settlement	stone	cleaver	1a	
677	438	settlement	ceramic	vessel fragment	10	
678	438	settlement	flint	cutting tool	10	
679	438	settlement	flint	cutting tool	10	
680	438	settlement	flint	cutting tool	10	
681	438	settlement	flint	cutting tool	10	
682	438	settlement	flint	cutting tool	10	
683	438	settlement	flint	cutting tool	10	
684	438	settlement	flint	cutting tool	10	
685	438	settlement	ceramic	vessel fragment	6	
686	438	settlement	flint	cutting tool	6	
687	438	settlement	flint	cutting tool	6	
688	438	settlement	obsidian	cutting tool	6	
689	438	settlement	ceramic	vessel fragment	5	
690	438	settlement	ceramic	vessel fragment	5	
691	438	settlement	ceramic	vessel fragment	5	
692	438	settlement	flint	cutting tool	1	
693	438	settlement	flint	cutting tool	1	
694	438	settlement	flint	cutting tool	1	
695	438	settlement	flint	cutting tool	1	
696	438	settlement	flint	cutting tool	1	
697	438	settlement	flint	cutting tool	1	
698	438	settlement	flint	cutting tool	1	
699	438	settlement	flint	cutting tool	1	
700	438	settlement	flint	cutting tool	1	
701	438	settlement	flint	cutting tool	1	
702	438	settlement	ceramic	vessel fragment	7	tempered
703	438	settlement	ceramic	vessel fragment	7	tempered
704	438	settlement	ceramic	vessel fragment	7	tempered
705	438	settlement	ceramic	vessel fragment	7	tempered
706	438	settlement	ceramic	vessel fragment	7	tempered
707	438	settlement	ceramic	vessel fragment	7	tempered
708	438	settlement	ceramic	vessel fragment	7	tempered
709	438	settlement	ceramic	vessel fragment	7	tempered
710	438	settlement	ceramic	vessel fragment	7	tempered
711	438	settlement	ceramic	vessel fragment	7	tempered
712	438	settlement	ceramic	vessel fragment	7	tempered
713	438	settlement	ceramic	vessel fragment	7	tempered
714	438	settlement	ceramic	vessel fragment	7	tempered
715	438	settlement	ceramic	vessel fragment	7	tempered
716	438	settlement	ceramic	vessel fragment	7	tempered

717	438	settlement	ceramic	vessel fragment	7	tempered
718	438	settlement	ceramic	vessel fragment	7	tempered
719	438	settlement	ceramic	vessel fragment	7	tempered
720	438	settlement	stone	implement	7	
721	438	settlement	stone	implement	7	
722	438	settlement	stone	implement	7	
723	438	settlement	ceramic	vessel fragment	10	
724	438	settlement	ceramic	vessel fragment	10	
725	438	settlement	ceramic	vessel fragment	10	
726	438	settlement	ceramic	vessel fragment	10	
727	438	settlement	ceramic	jug	7	
728	438	settlement	ceramic	plate fragment	7	
729	438	settlement	flint	cutting tool	7	
730	438	settlement	ceramic	vessel fragment	7	
731	438	settlement	ceramic	vessel fragment	7	
732	438	settlement	ceramic	plate fragment	7	
733	438	settlement	ceramic	plate fragment	8	
734	438	settlement	ceramic	plate fragment	8	
735	438	settlement	ceramic	bardag	8	
736	438	settlement	ceramic	plate fragment	8	
737	438	settlement	stone	pounding tool	1a	
738	438	settlement	stone	rubbing tool	1a	
739	438	settlement	stone	pounding tool	1a	
740	438	settlement	stone	handstone	1a	
741	438	settlement	ceramic	vessel fragment	1a	
742	438	settlement	ceramic	vessel fragment	1a	
743	438	settlement	ceramic	vessel fragment	1a	
744	438	settlement	ceramic	vessel fragment	1a	
745	438	settlement	ceramic	vessel fragment	1a	
746	438	settlement	ceramic	vessel fragment	1a	
747	438	settlement	ceramic	vessel fragment	1a	
748	438	settlement	ceramic	vessel fragment	1a	
749	438	settlement	ceramic	vessel fragment	1a	
750	438	settlement	flint	cutting tool	1a	
751	438	settlement	ceramic	jar	1	
752	438	settlement	ceramic	jar	1	
753	438	settlement	ceramic	jar	1	
754	438	settlement	ceramic	jar	1	
755	438	settlement	ceramic	jar	1	
756	438	settlement	ceramic	jar	1	
757	438	settlement	ceramic	jar	1	
758	438	settlement	ceramic	jar	1	
759	438	settlement	ceramic	jar	1	
760	438	settlement	ceramic	jar	1	
761	438	settlement	ceramic	jar	1	

762	438	settlement	ceramic	jar	1	
763	438	settlement	ceramic	jar	1	
764	438	settlement	ceramic	jar	1	
765	438	settlement	ceramic	jar	1a	
766	438	settlement	ceramic	jar	1a	
767	438	settlement	stone	tool	1a	
768	438	settlement	ceramic	vessel fragment	1a	
769	438	settlement	ceramic	dish	1a	
770	438	settlement	ceramic	dish	1a	
771	438	settlement	ceramic	dish	1a	
772	438	settlement	stone	tool	1a	
773	438	settlement	stone	tool	1a	
774	438	settlement	ceramic	vessel fragment	1a	
775	438	settlement	ceramic	vessel fragment	1a	
776	438	settlement	ceramic	vessel fragment	1a	
777	438	settlement	ceramic	vessel fragment	1a	
778	438	settlement	ceramic	vessel fragment	8	
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791	438	settlement	ceramic	vessel fragment	10	
792	438	settlement	ceramic	vessel fragment	10	
793	438	settlement	ceramic	vessel fragment	10	
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796	438	settlement	ceramic	vessel fragment	5	
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858	438	settlement	ceramic	vessel fragment	7	
859	438	settlement	ceramic	vessel fragment	7	
860	438	settlement	stone	handstone	7	
861	438	settlement	bone	knife fragment	7	
862	438	settlement	flint	cutting tool	7	
863	438	settlement	flint	knife fragment	7	
864	438	settlement	flint	knife fragment	7	
865	438	settlement	ceramic	finjan	9	
866	438	settlement	ceramic	finjan	9	
867	438	settlement	ceramic	finjan	9	
868	438	settlement	ceramic	finjan	9	
869	438	settlement	ceramic	finjan	9	
870	438	settlement	ceramic	jug	9	
871	438	settlement	ceramic	plate fragment	9	
872	438	settlement	ceramic	plate fragment	9	
873	438	settlement	flint	cutting tool	9	
874	438	settlement	flint	cutting tool	9	
875	438	settlement	flint	cutting tool	9	
876	438	settlement	flint	cutting tool	9	
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878	438	settlement	flint	cutting tool	9	
879	438	settlement	flint	cutting tool	9	
880	438	settlement	flint	cutting tool	9	
881	438	settlement	obsidian	cutting tool	9	
882	438	settlement	flint	cutting tool	9	
883	438	settlement	flint	cutting tool	9	
884	438	settlement	obsidian	cutting tool	9	
885	438	settlement	ceramic	platter	9	
886	438	settlement	ceramic	jug	10	
887	438	settlement	ceramic	jug	10	
888	438	settlement	ceramic	jug	10	
889	438	settlement	ceramic	jug	10	
890	438	settlement	ceramic	jug	10	
891	438	settlement	ceramic	jug	10	
892	438	settlement	ceramic	jug	10	
893	438	settlement	ceramic	jug	10	
894	438	settlement	ceramic	jug	10	
895	438	settlement	ceramic	jug	10	
896	438	settlement	ceramic	jug	10	

897	438	settlement	ceramic	jug	10	
898	438	settlement	stone	pounding tool	7	
899	438	settlement	stone	pounding tool	7	
900	438	settlement	ceramic	vessel fragment	7	
901	438	settlement	ceramic	vessel fragment	4	
902	438	settlement	ceramic	vessel fragment	4	
903	438	settlement	ceramic	vessel fragment	1a	
904	438	settlement	ceramic	vessel fragment	1a	
905	438	settlement	ceramic	vessel fragment	6	
906	438	settlement	ceramic	vessel fragment	6	
907	438	settlement	ceramic	vessel fragment	6	
908	438	settlement	ceramic	vessel fragment	6	
909	438	settlement	ceramic	vessel fragment	6	
910	438	settlement	ceramic	vessel fragment	6	
911	438	settlement	ceramic	vessel fragment	10	
912	438	settlement	stone	stone tool	10	
913	438	settlement	ceramic	vessel fragment	10	
914	438	settlement	ceramic	vessel fragment	10	
915	438	settlement	ceramic	vessel fragment	10	
916	438	settlement	ceramic	vessel fragment	10	
917	438	settlement	ceramic	vessel fragment	10	
918	438	settlement	stone	handstone	7	
919	438	settlement	ceramic	vessel fragment	9	
920	438	settlement	flint	sickle tooth	1a	
921	438	settlement	bone	awl	7	
922	438	settlement	metal	awl	1a	
923	438	settlement	metal	awl	1a	
924	438	settlement	obsidian	cutting tool	1a	
925	438	settlement	flint	cutting tool	5	
926	438	settlement	flint	cutting tool	5	
927	438	settlement	flint	cutting tool	5	
928	438	settlement	flint	cutting tool	5	
929	438	settlement	flint	cutting tool	5	
930	438	settlement	flint	cutting tool	5	
931	438	settlement	flint	cutting tool	5	
932	438	settlement	flint	cutting tool	5	
933	438	settlement	obsidian	cutting tool	5	
934	438	settlement	obsidian	cutting tool	8	
935	438	settlement	flint	cutting tool	3	
936	438	settlement	stone	pounding tool	6	
937	438	settlement	stone	pounding tool	6	
938	438	settlement	stone	pounding tool	6	
939	438	settlement	stone	pounding tool	6	
940	438	settlement	flint	cutting tool	6	
941	438	settlement	flint	cutting tool	6	

942	438	settlement	flint	cutting tool	6	
943	438	settlement	flint	cutting tool	6	
944	438	settlement	flint	cutting tool	6	
945	438	settlement	ceramic	vessel fragment	9	
946	438	settlement	ceramic	vessel fragment	9	
947	438	settlement	ceramic	vessel fragment	9	
948	438	settlement	ceramic	vessel fragment	9	
949	438	settlement	ceramic	vessel fragment	9	
950	438	settlement	ceramic	vessel fragment	9	
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959	438	settlement	ceramic	vessel fragment	9	
960	438	settlement	ceramic	vessel fragment	9	
961	438	settlement	stone	pounding tool	9	
962	438	settlement	flint	cutting tool	10	
963	438	settlement	sickle tooth	cutting tool	10	
964	438	settlement	sickle tooth	cutting tool	10	
965	438	settlement	sickle tooth	cutting tool	6	
966	438	settlement	sickle tooth	cutting tool	6	
967	438	settlement	sickle tooth	cutting tool	8	
968	438	settlement	sickle tooth	cutting tool	8	
969	438	settlement	sickle tooth	cutting tool	8	
970	438	settlement	ceramic	vessel fragment	9	
971	438	settlement	ceramic	vessel fragment	9	
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980	438	settlement	ceramic	vessel fragment	9	
981	438	settlement	ceramic	vessel fragment	9	
982	438	settlement	ceramic	vessel fragment	9	
983	438	settlement	ceramic	jug	9	
984	438	settlement	ceramic	jug	9	
985	438	settlement	stone	handstone	9	
986	438	settlement	ceramic	vessel fragment	9	

987	438	settlement	ceramic	vessel fragment	9	
988	438	settlement	ceramic	vessel fragment	9	
989	438	settlement	ceramic	vessel fragment	9	
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995	438	settlement	ceramic	vessel fragment	9	
996	438	settlement	ceramic	vessel fragment	9	
997	438	settlement	flint	knife fragment	9	
998	438	settlement	flint	knife fragment	9	
999	438	settlement	flint	knife fragment	9	
1000	438	settlement	flint	knife fragment	9	
1001	438	settlement	flint	knife fragment	9	
1002	438	settlement	flint	knife fragment	9	
1003	438	settlement	flint	knife fragment	9	
1004	438	settlement	flint	knife fragment	9	
1005	438	settlement	flint	knife fragment	9	
1006	438	settlement	obsidian	cutting tool		
1007	438	settlement	stone	slingshot stone	4	
1008	438	settlement	flint	knife fragment	5	
1009	438	settlement	flint	knife fragment	5	
1010	438	settlement	flint	knife fragment	5	
1011	438	settlement	flint	knife fragment	5	
1012	438	settlement	ceramic	vessel fragment	1	
1013	438	settlement	ceramic	vessel fragment	1	
1014	438	settlement	ceramic	vessel fragment	1	
1015	438	settlement	ceramic	vessel fragment	1	
1016	438	settlement	ceramic	vessel fragment	1	
1017	438	settlement	ceramic	vessel fragment	1	
1018	438	settlement	ceramic	vessel fragment	1	
1019	438	settlement	obsidian	cutting tool	1	
1020	438	settlement	ceramic	vessel fragment	1a	
1021	438	settlement	ceramic	vessel fragment	1a	
1022	438	settlement	ceramic	vessel fragment	1a	
1023	438	settlement	flint	knife fragment	1a	
1024	438	settlement	obsidian	cutting tool	1a	
1025	438	settlement	stone	handstone	1a	
1026	438	settlement	flint	knife fragment	1a	
1027	438	settlement	obsidian	cutting tool	9	
1028	438	settlement	flint	knife fragment	6	
1029	438	settlement	obsidian	cutting tool	6	
1030	438	settlement	obsidian	cutting tool	6	
1031	438	settlement	ceramic	vessel fragment	5	

1032	438	settlement	ceramic	vessel fragment	5	
1033	438	settlement	ceramic	vessel fragment	5	
1034	438	settlement	ceramic	vessel fragment	5	
1035	438	settlement	ceramic	vessel fragment	5	
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1040	438	settlement	ceramic	vessel fragment	5	
1041	438	settlement	ceramic	vessel fragment	5	
1042	438	settlement	stone	pounding tool	5	
1043	438	settlement	stone	pounding tool	5	
1044	438	settlement	ceramic	vessel fragment	5	
1045	438	settlement	ceramic	vessel fragment	5	
1046	438	settlement	ceramic	vessel fragment	5	
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1055	438	settlement	ceramic	vessel fragment	5	
1056	438	settlement	obsidian	cutting tool	8	
1057	438	settlement	flint	knife fragment	8	
1058	438	settlement	flint	cutting tool	7	
1059	438	settlement	flint	cutting tool	7	
1060	438	settlement	obsidian	cutting tool	7	
1061	438	settlement	flint	knife fragment	7	
1062	438	settlement	stone	cutting tool	7	
1063	438	settlement	flint	cutting tool	7	
1064	438	settlement	flint	knife fragment	7	
1065	438	settlement	ceramic	vessel fragment	9	
1066	438	settlement	ceramic	vessel fragment	9	
1067	438	settlement	ceramic	vessel fragment	9	
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1071	438	settlement	ceramic	vessel fragment	9	
1072	438	settlement	ceramic	vessel fragment	9	
1073	438	settlement	flint	sickle tooth	9	
1074	438	settlement	obsidian	cutting tool	9	
1075	438	settlement	ceramic	vessel fragment	9	
1076	438	settlement	stone	handstone	9	

1077	438	settlement	ceramic	fragment	9	tendir brim
1078	438	settlement	ceramic	bedder	7	
1079	438	settlement	ceramic	vessel fragment	7	
1080	438	settlement	ceramic	vessel fragment	7	
1081	438	settlement	ceramic	vessel fragment	7	
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1089	438	settlement	ceramic	vessel fragment	7	
1090	438	settlement	ceramic	vessel fragment	7	
1091	438	settlement	obsidian	cutting tool	7	
1092	438	settlement	ceramic	vessel fragment	7	
1093	438	settlement	stone	pounding tool	7	
1094	438	settlement	stone	pounding tool	7	
1095	438	settlement	stone	handstone	7	
1096	438	settlement	stone	handstone	7	
1097	438	settlement	stone	pounding tool	7	
1098	438	settlement	stone	pounding tool	9	
1099	438	settlement	stone	pounding tool	9	
1100	438	settlement	stone	pounding tool	9	
1101	438	settlement	stone	handstone	9	
1102	438	settlement	stone	grind stone	9	
1103	438	settlement	stone	pounding tool	9	
1104	438	settlement	stone	handstone	9	
1105	438	settlement	ceramic	vessel fragment	5	
1106	438	settlement	ceramic	vessel fragment	5	
1107	438	settlement	ceramic	vessel fragment	5	
1108	438	settlement	ceramic	vessel fragment	5	
1109	438	settlement	stone	slingshot	5	
1110	438	settlement	ceramic	vessel fragment	5	
1111	438	settlement	ceramic	vessel fragment	5	
1112	438	settlement	ceramic	vessel fragment	5	
1113	438	settlement	ceramic	vessel fragment	5	
1114	438	settlement	ceramic	vessel fragment	5	
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1117	438	settlement	ceramic	vessel fragment	5	
1118	438	settlement	ceramic	vessel fragment	5	
1119	438	settlement	ceramic	vessel fragment	5	
1120	438	settlement	ceramic	vessel fragment	5	
1121	438	settlement	stone	slingshot stone	9	

1122	438	settlement	ceramic	vessel fragment	1a	
1123	438	settlement	stone	pounding tool	1a	oval shaped
1124	438	settlement	stone	handstone	1a	oval shaped
1125	438	settlement	stone	handstone	1a	oval shaped
1126	438	settlement	ceramic	vessel fragment	6	
1127	438	settlement	stone	handstone	6	oval shaped
1128	438	settlement	stone	handstone	6	oval shaped
1129	438	settlement	ceramic	vessel fragment	6	
1130	438	settlement	ceramic	vessel fragment	6	
1131	438	settlement	ceramic	vessel fragment	6	
1132	438	settlement	ceramic	vessel fragment	6	
1133	438	settlement	ceramic	vessel fragment	6	
1134	438	settlement	ceramic	vessel fragment	6	
1135	438	settlement	stone	slingshot stone	6	
1136	438	settlement	stone	slingshot stone	6	
1137	438	settlement	ceramic	vessel fragment	8	
1138	438	settlement	ceramic	vessel fragment	8	
1139	438	settlement	ceramic	vessel fragment	8	
1140	438	settlement	ceramic	vessel fragment	8	
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1163	438	settlement	ceramic	vessel fragment	8	
1164	438	settlement	ceramic	vessel fragment	7	
1165	438	settlement	ceramic	vessel fragment	7	
1166	438	settlement	ceramic	vessel fragment	7	



1167	438	settlement	ceramic	vessel fragment	7	
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1176	438	settlement	ceramic	vessel fragment	7	
1177	438	settlement	ceramic	vessel fragment	7	
1178	438	settlement	ceramic	vessel fragment	7	
1179	438	settlement	ceramic	vessel fragment	7	
1180	438	settlement	ceramic	vessel fragment	7	
1181	438	settlement	ceramic	vessel fragment	7	
1182	438	settlement	ceramic	vessel fragment	7	
1183	438	settlement	ceramic	vessel fragment	7	
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1185	438	settlement	ceramic	vessel fragment	7	
1186	438	settlement	ceramic	vessel fragment	7	
1187	438	settlement	ceramic	vessel fragment	7	
1188	438	settlement	stone	pounding tool	7	
1189	438	settlement	stone	pounding tool	7	
1190	438	settlement	ceramic	spindle whorl	7	plant tempered
1191	438	settlement	flint	knife fragment	7	
1192	438	settlement	flint	knife fragment	7	
1193	438	settlement	flint	knife fragment	7	
1194	438	settlement	flint	knife fragment	7	
1195	438	settlement	stone	knife fragment	8	
1196	438	settlement	flint	knife fragment	8	
1197	438	settlement	flint	knife fragment	8	
1198	438	settlement	flint	knife fragment	8	
1199	438	settlement	flint	knife fragment	8	
1200	438	settlement	obsidian	cutting tool	8	
1201	438	settlement	obsidian	cutting tool	8	
1202	438	settlement	ceramic	spindle whorl	8	plant tempered
1203	438	settlement	ceramic	vessel fragment	1	
1204	438	settlement	ceramic	vessel fragment	1	
1205	438	settlement	ceramic	vessel fragment	1	
1206	438	settlement	ceramic	vessel fragment	1	
1207	438	settlement	ceramic	vessel fragment	1	
1208	438	settlement	ceramic	vessel fragment	1	
1209	438	settlement	ceramic	vessel fragment	1	
1210	438	settlement	ceramic	vessel fragment	1	
1211	438	settlement	ceramic	vessel fragment	1	

1212	438	settlement	ceramic	vessel fragment	1	
1213	438	settlement	ceramic	vessel fragment	1	
1214	438	settlement	ceramic	vessel fragment	1	
1215	438	settlement	ceramic	vessel fragment	1	
1216	438	settlement	ceramic	vessel fragment	1	
1217	438	settlement	ceramic	vessel fragment	1	
1218	438	settlement	ceramic	vessel fragment	1	
1219	438	settlement	ceramic	vessel fragment	1	
1220	438	settlement	stone	pounding tool	1	
1221	438	settlement	stone	handstone	1	oval shaped
1222	438	settlement	stone	pounding tool	1	
1223	438	settlement	stone	queen	1	
1224	438	settlement	flint	cutting tool	7	
1225	438	settlement	obsidian	cutting tool	7	
1226	438	settlement	flint	cutting tool	7	
1227	438	settlement	flint	sickle tooth	7	
1228	438	settlement	flint	sickle tooth	7	
1229	438	settlement	flint	cutting tool	7	
1230	438	settlement	ceramic	vessel fragment	7	
1231	438	settlement	ceramic	vessel fragment	7	
1232	438	settlement	ceramic	vessel fragment	7	
1233	438	settlement	ceramic	vessel fragment	7	
1234	438	settlement	ceramic	vessel fragment	7	
1235	438	settlement	ceramic	vessel fragment	7	
1236	438	settlement	ceramic	vessel fragment	7	
1237	438	settlement	flint	cutting tool	7	
1238	438	settlement	flint	cutting tool	7	
1239	438	settlement	ceramic	vessel fragment	7	
1240	438	settlement	ceramic	vessel fragment	6	
1241	438	settlement	ceramic	vessel fragment	6	
1242	438	settlement	ceramic	vessel fragment	6	
1243	438	settlement	ceramic	vessel fragment	6	
1244	438	settlement	ceramic	vessel fragment	6	
1245	438	settlement	ceramic	vessel fragment	6	
1246	438	settlement	ceramic	vessel fragment	6	
1247	438	settlement	ceramic	vessel fragment	6	
1248	438	settlement	ceramic	vessel fragment	6	
1249	438	settlement	ceramic	vessel fragment	6	
1250	438	settlement	ceramic	vessel fragment	6	
1251	438	settlement	ceramic	vessel fragment	6	
1252	438	settlement	ceramic	vessel fragment	6	
1253	438	settlement	ceramic	vessel fragment	6	
1254	438	settlement	ceramic	vessel fragment	6	
1255	438	settlement	ceramic	vessel fragment	6	
1256	438	settlement	ceramic	vessel fragment	6	

1257	438	settlement	ceramic	vessel fragment	6	
1258	438	settlement	ceramic	vessel fragment	6	
1259	438	settlement	ceramic	vessel fragment	6	
1260	438	settlement	ceramic	vessel fragment	6	
1261	438	settlement	ceramic	vessel fragment	6	
1262	438	settlement	ceramic	vessel fragment	6	
1263	438	settlement	ceramic	vessel fragment	6	
1264	438	settlement	ceramic	vessel fragment	6	
1265	438	settlement	ceramic	vessel fragment	6	
1266	438	settlement	ceramic	vessel fragment	6	
1267	438	settlement	ceramic	vessel fragment	6	
1268	438	settlement	ceramic	vessel fragment	6	
1269	438	settlement	ceramic	vessel fragment	6	
1270	438	settlement	ceramic	vessel fragment	6	
1271	438	settlement	flint	cutting tool	6	
1272	438	settlement	flint	cutting tool	6	
1273	438	settlement	obsidian	cutting tool	6	
1274	438	settlement	flint	knife fragment	6	
1275	438	settlement	flint	knife fragment	6	
1276	438	settlement	flint	knife fragment	6	
1277	438	settlement	bone	awl	6	
1278	438	settlement	ceramic	vessel fragment	9	
1279	438	settlement	ceramic	vessel fragment	9	
1280	438	settlement	ceramic	vessel fragment	9	
1281	438	settlement	ceramic	vessel fragment	9	
1282	438	settlement	ceramic	vessel fragment	9	
1283	438	settlement	ceramic	vessel fragment	9	
1284	438	settlement	ceramic	vessel fragment	9	
1285	438	settlement	ceramic	vessel fragment	9	
1286	438	settlement	ceramic	vessel fragment	9	
1287	438	settlement	ceramic	vessel fragment	9	
1288	438	settlement	ceramic	vessel fragment	9	
1289	438	settlement	ceramic	vessel fragment	9	
1290	438	settlement	ceramic	vessel fragment	9	
1291	438	settlement	ceramic	vessel fragment	9	
1292	438	settlement	ceramic	vessel fragment	9	
1293	438	settlement	ceramic	vessel fragment	9	
1294	438	settlement	ceramic	vessel fragment	9	
1295	438	settlement	ceramic	vessel fragment	9	
1296	438	settlement	ceramic	vessel fragment	9	
1297	438	settlement	ceramic	vessel fragment	9	
1298	438	settlement	ceramic	vessel fragment	9	
1299	438	settlement	ceramic	lid	9	
1300	438	settlement	ceramic	vessel fragment	9	
1301	438	settlement	ceramic	vessel fragment	9	

1302	438	settlement	ceramic	vessel fragment	9	
1303	438	settlement	ceramic	vessel fragment	9	
1304	438	settlement	ceramic	vessel fragment	9	
1305	438	settlement	ceramic	vessel fragment	9	
1306	438	settlement	ceramic	vessel fragment	9	
1307	438	settlement	ceramic	vessel fragment	9	
1308	438	settlement	ceramic	vessel fragment	9	
1309	438	settlement	ceramic	vessel fragment	9	
1310	438	settlement	ceramic	vessel fragment	9	
1311	438	settlement	ceramic	vessel fragment	9	
1312	438	settlement	bone	knife fragment	7	
1313	438	settlement	flint	knife fragment	5a	
1314	438	settlement	flint	knife fragment	5a	
1315	438	settlement	flint	knife fragment	5a	
1316	438	settlement	flint	knife fragment	5a	
1317	438	settlement	flint	knife fragment	5a	
1318	438	settlement	flint	knife fragment	5a	
1319	438	settlement	flint	knife fragment	5a	
1320	438	settlement	stone	slingshot stone	10	
1321	438	settlement	stone	slingshot stone	10	
1322	438	settlement	stone	cutting tool	10	
1323	438	settlement	stone	cutting tool	10	
1324	438	settlement	ceramic	perforated object	9	plant tempered
1325	438	settlement	flint	knife fragment	9	
1326	438	settlement	flint	knife fragment	9	
1327	438	settlement	flint	knife fragment	9	
1328	438	settlement	flint	knife fragment	9	
1329	438	settlement	flint	knife fragment	9	
1330	438	settlement	ceramic	perforated object	9	plant tempered
1331	438	settlement	flint	knife fragment	9	
1332	438	settlement	flint	knife fragment	11	
1333	438	settlement	ceramic	vessel fragment	8	
1334	438	settlement	ceramic	vessel fragment	8	
1335	438	settlement	ceramic	vessel fragment	8	
1336	438	settlement	ceramic	vessel fragment	8	
1337	438	settlement	ceramic	vessel fragment	8	
1338	438	settlement	ceramic	vessel fragment	8	
1339	438	settlement	ceramic	vessel fragment	8	
1340	438	settlement	ceramic	vessel fragment	8	
1341	438	settlement	ceramic	vessel fragment	8	
1342	438	settlement	ceramic	vessel fragment	8	
1343	438	settlement	stone	quern	8	
1344	438	settlement	stone	handstone	8	oval shaped
1345	438	settlement	ceramic	vessel fragment	7	
1346	438	settlement	ceramic	vessel fragment	7	

1347	438	settlement	ceramic	vessel fragment	7	
1348	438	settlement	ceramic	vessel fragment	7	
1349	438	settlement	ceramic	vessel fragment	7	
1350	438	settlement	ceramic	vessel fragment	7	
1351	438	settlement	ceramic	vessel fragment	7	
1352	438	settlement	ceramic	vessel fragment	7	
1353	438	settlement	ceramic	vessel fragment	7	
1354	438	settlement	ceramic	vessel fragment	7	
1355	438	settlement	ceramic	vessel fragment	7	
1356	438	settlement	ceramic	vessel fragment	7	
1357	438	settlement	ceramic	vessel fragment	7	
1358	438	settlement	ceramic	vessel fragment	7	
1359	438	settlement	ceramic	vessel fragment	7	
1360	438	settlement	ceramic	vessel fragment	7	
1361	438	settlement	ceramic	vessel fragment	7	
1362	438	settlement	ceramic	vessel fragment	7	
1363	438	settlement	ceramic	vessel fragment	7	
1364	438	settlement	stone	slingshot stone	7	
1365	438	settlement	stone	slingshot stone	7	
1366	438	settlement	stone	handstone	7	
1367	438	settlement	ceramic	vessel fragment	5a	
1368	438	settlement	ceramic	vessel fragment	5a	
1369	438	settlement	ceramic	vessel fragment	5a	
1370	438	settlement	ceramic	vessel fragment	5a	
1371	438	settlement	ceramic	vessel fragment	5a	
1372	438	settlement	ceramic	vessel fragment	5a	
1373	438	settlement	ceramic	vessel fragment	5a	
1374	438	settlement	ceramic	vessel fragment	5a	
1375	438	settlement	ceramic	vessel fragment	5a	
1376	438	settlement	ceramic	vessel fragment	5a	
1377	438	settlement	ceramic	vessel fragment	5a	
1378	438	settlement	ceramic	vessel fragment	5a	
1379	438	settlement	ceramic	vessel fragment	5a	
1380	438	settlement	ceramic	vessel fragment	5a	
1381	438	settlement	ceramic	vessel fragment	5a	
1382	438	settlement	ceramic	vessel fragment	5a	
1383	438	settlement	ceramic	vessel fragment	5a	
1384	438	settlement	ceramic	vessel fragment	5a	
1385	438	settlement	ceramic	vessel fragment	5a	
1386	438	settlement	stone	handstone	5a	
1387	438	settlement	stone	pounding tool	5a	
1388	438	settlement	stone	slingshot stone	5a	
1389	438	settlement	flint	knife fragment	5a	
1390	438	settlement	flint	knife fragment	5a	
1391	438	settlement	flint	knife fragment	5a	

1392	438	settlement	ceramic	vessel fragment	9	
1393	438	settlement	ceramic	vessel fragment	9	
1394	438	settlement	flint	knife fragment	9	
1395	438	settlement	flint	knife fragment	9	
1396	438	settlement	stone	slingshot stone	9	
1397	438	settlement	stone	handstone	9	
1398	438	settlement	stone	pestle	9	
1399	438	settlement	stone	pestle	9	
1400	438	settlement	stone	pestle	9	
1401	438	settlement	flint	knife fragment	1a	
1402	438	settlement	obsidian	cutting tool	1a	
1403	438	settlement	ceramic	vessel fragment	1a	
1404	438	settlement	ceramic	vessel fragment	11	
1405	438	settlement	ceramic	vessel fragment	11	
1406	438	settlement	ceramic	vessel fragment	11	
1407	438	settlement	ceramic	vessel fragment	11	
1408	438	settlement	ceramic	vessel fragment	11	
1409	438	settlement	ceramic	vessel fragment	11	
1410	438	settlement	ceramic	vessel fragment	11	
1411	438	settlement	ceramic	vessel fragment	11	
1412	438	settlement	stone	handstone	11	
1413	438	settlement	flint	cutting tool	11	
1414	438	settlement	flint	cutting tool	11	
1415	438	settlement	flint	cutting tool	11	
1416	438	settlement	ceramic	vessel fragment	6	
1417	438	settlement	ceramic	vessel fragment	6	
1418	438	settlement	ceramic	vessel fragment	6	
1419	438	settlement	ceramic	vessel fragment	6	
1420	438	settlement	ceramic	vessel fragment	6	
1421	438	settlement	ceramic	vessel fragment	6	
1422	438	settlement	ceramic	vessel fragment	6	
1423	438	settlement	ceramic	vessel fragment	6	
1424	438	settlement	ceramic	vessel fragment	6	
1425	438	settlement	ceramic	vessel fragment	6	
1426	438	settlement	ceramic	vessel fragment	6	
1427	438	settlement	ceramic	vessel fragment	6	
1428	438	settlement	ceramic	vessel fragment	6	
1429	438	settlement	ceramic	vessel fragment	6	
1430	438	settlement	stone	handstone	6	
1431	438	settlement	stone	handstone	6	
1432	438	settlement	flint	knife fragment	11	
1433	438	settlement	flint	knife fragment	1a	
1434	438	settlement	ceramic	vessel fragment	1a	
1435	438	settlement	ceramic	vessel fragment	1a	
1436	438	settlement	ceramic	vessel fragment	1a	

1437	438	settlement	ceramic	vessel fragment	1a	
1438	438	settlement	ceramic	vessel fragment	1a	
1439	438	settlement	ceramic	vessel fragment	1a	
1440	438	settlement	ceramic	vessel fragment	1a	
1441	438	settlement	flint	knife fragment	8	
1442	438	settlement	flint	knife fragment	8	
1443	438	settlement	flint	knife fragment	8	
1444	438	settlement	flint	knife fragment	8	
1445	438	settlement	flint	knife fragment	8	
1446	438	settlement	stone	tool fragment	8	
1447	438	settlement	obsidian	cutting tool	8	
1448	438	settlement	stone	slingshot stone	8	
1449	438	settlement	ceramic	vessel fragment	8	
1450	438	settlement	ceramic	vessel fragment	8	
1451	438	settlement	ceramic	vessel fragment	8	
1452	438	settlement	flint	knife fragment	11	
1453	438	settlement	flint	knife fragment	11	
1454	438	settlement	flint	sickle tooth	11	
1455	438	settlement	flint	sickle tooth	11	
1456	438	settlement	flint	knife fragment	11	
1457	438	settlement	flint	knife fragment	11	
1458	438	settlement	obsidian	knife fragment	11	
1459	438	settlement	stone	pounding tool	11	
1460	438	settlement	stone	pounding tool	11	
1461	438	settlement	stone	slingshot stone	11	
1462	438	settlement	stone	grind stone	11	
1463	438	settlement	ceramic	vessel fragment	11	
1464	438	settlement	ceramic	vessel fragment	11	
1465	438	settlement	flint	knife fragment	11	
1466	438	settlement	flint	knife fragment	11	
1467	438	settlement	flint	knife fragment	11	
1468	438	settlement	flint	knife fragment	11	
1469	438	settlement	flint	knife fragment	8	
1470	438	settlement	flint	knife fragment	8	
1471	438	settlement	flint	knife fragment	7	
1472	438	settlement	flint	knife fragment	7	
1473	438	settlement	flint	knife fragment	7	
1474	438	settlement	obsidian	knife fragment	7	
1475	438	settlement	obsidian	sickle tooth	7	
1476	438	settlement	stone	pounding tool	7	
1477	438	settlement	ceramic	vessel fragment	7	
1478	438	settlement	ceramic	vessel fragment	7	
1479	438	settlement	ceramic	vessel fragment	7	
1480	438	settlement	ceramic	vessel fragment	7	
1481	438	settlement	ceramic	vessel fragment	8	

1482	438	settlement	ceramic	vessel fragment	8	
1483	438	settlement	ceramic	vessel fragment	8	
1484	438	settlement	ceramic	vessel fragment	8	
1485	438	settlement	ceramic	vessel fragment	8	
1486	438	settlement	ceramic	vessel fragment	8	
1487	438	settlement	ceramic	vessel fragment	8	
1488	438	settlement	bone	awl	11	
1489	438	settlement	ceramic	vessel fragment	11	
1490	438	settlement	flint	knife fragment	11	
1491	438	settlement	flint	knife fragment	11	
1492	438	settlement	flint	sickle tooth	11	
1493	438	settlement	stone	cutting tool	7	
1494	438	settlement	ceramic	vessel fragment	7	
1495	438	settlement	ceramic	vessel fragment	7	
1496	438	settlement	stone	slingshot stone	7	
1497	438	settlement	ceramic	vessel fragment	7	
1498	438	settlement	stone	cutting tool	7	
1499	438	settlement	bone	needle	7	
1500	438	settlement	obsidian	cutting tool	7	
1501	438	settlement	flint	cutting tool	7	
1502	438	settlement	ceramic	vessel fragment	7	
1503	438	settlement	ceramic	vessel fragment	8	
1504	438	settlement	ceramic	vessel fragment	8	
1505	438	settlement	flint	cutting tool	8	
1506	438	settlement	flint	cutting tool	8	
1507	438	settlement	ceramic	vessel fragment	7	
1508	438	settlement	ceramic	vessel fragment	7	
1509	438	settlement	ceramic	vessel fragment	7	
1510	438	settlement	ceramic	vessel fragment	7	
1511	438	settlement	ceramic	vessel fragment	7	
1512	438	settlement	ceramic	vessel fragment	7	
1513	438	settlement	ceramic	vessel fragment	7	
1514	438	settlement	ceramic	vessel fragment	7	
1515	438	settlement	ceramic	vessel fragment	7	
1516	438	settlement	stone	cutting tool	7	
1517	438	settlement	flint	cutting tool	7	
1518	438	settlement	flint	cutting tool	7	
1519	438	settlement	flint	cutting tool	1b	
1520	438	settlement	flint	cutting tool	1b	
1521	438	settlement	obsidian	cutting tool	1b	
1522	438	settlement	bone	awl	1b	
1523	438	settlement	ceramic	vessel fragment	1b	
1524	438	settlement	ceramic	vessel fragment	1b	
1525	438	settlement	ceramic	vessel fragment	1b	
1526	438	settlement	ceramic	vessel fragment	1b	



1527	438	settlement	ceramic	vessel fragment	1b	
1528	438	settlement	ceramic	vessel fragment	1b	
1529	438	settlement	ceramic	vessel fragment	1b	
1530	438	settlement	ceramic	vessel fragment	1b	
1531	438	settlement	ceramic	vessel fragment	1b	
1532	438	settlement	ceramic	vessel fragment	1b	
1533	438	settlement	ceramic	vessel fragment	1b	
1534	438	settlement	ceramic	vessel fragment	1b	
1535	438	settlement	stone	tool	1b	
1536	438	settlement	flint	cutting tool	1b	
1537	438	settlement	ceramic	vessel fragment	1b	
1538	438	settlement	ceramic	vessel fragment	1b	
1539	438	settlement	ceramic	vessel fragment	1b	
1540	438	settlement	ceramic	vessel fragment	1b	
1541	438	settlement	ceramic	vessel fragment	1b	
1542	438	settlement	ceramic	vessel fragment	1b	
1543	438	settlement	ceramic	vessel fragment	1b	
1544	438	settlement	ceramic	vessel fragment	1b	
1545	438	settlement	ceramic	vessel fragment	1b	
1546	438	settlement	stone	slingshot stone	1b	
1547	438	settlement	flint	cutting tool	1b	
1548	438	settlement	obsidian	cutting tool	8 (extended section)	
1549	438	settlement	ceramic	vessel fragment	8 (extended section)	untempered
1550	438	settlement	ceramic	vessel fragment	8 (extended section)	untempered
1551	438	settlement	ceramic	vessel fragment	8 (extended section)	untempered
1552	438	settlement	ceramic	vessel fragment	8 (extended section)	untempered
1553	438	settlement	ceramic	vessel fragment	8 (extended section)	untempered
1554	438	settlement	ceramic	vessel fragment	8 (extended section)	untempered
1555	438	settlement	ceramic	vessel fragment	8 (extended section)	untempered
1556	438	settlement	ceramic	vessel fragment	8 (extended section)	untempered
1557	438	settlement	ceramic	vessel fragment	8 (extended section)	untempered
1558	438	settlement	ceramic	vessel fragment	8 (extended section)	untempered
1559	438	settlement	cobblestone	cutting tool	8 (extended section)	
1560	438	settlement	tufa	slingshot stone	8 (extended section)	
1561	438	settlement	flint	cutting tool	8 (extended section)	
1562	438	settlement	cobblestone	cutting tool	8 (extended section)	
1563	438	settlement	ceramic	vessel fragment	5a	untempered
1564	438	settlement	ceramic	vessel fragment	5a	untempered
1565	438	settlement	ceramic	vessel fragment	5a	untempered
1566	438	settlement	ceramic	vessel fragment	5a	untempered
1567	438	settlement	ceramic	vessel fragment	5a	untempered
1568	438	settlement	ceramic	vessel fragment	5a	untempered
1569	438	settlement	ceramic	vessel fragment	5a	untempered
1570	438	settlement	ceramic	vessel fragment	5a	untempered
1571	438	settlement	ceramic	vessel fragment	5a	untempered

1572	438	settlement	ceramic	vessel fragment	5a	untempered
1573	438	settlement	ceramic	vessel fragment	5a	untempered
1574	438	settlement	ceramic	vessel fragment	5a	untempered
1575	438	settlement	ceramic	vessel fragment	5a	untempered
1576	438	settlement	ceramic	vessel fragment	5a	untempered
1577	438	settlement	ceramic	vessel fragment	5a	untempered
1578	438	settlement	ceramic	vessel fragment	5a	untempered
1579	438	settlement	ceramic	vessel fragment	5a	untempered
1580	438	settlement	ceramic	vessel fragment	5a	untempered
1581	438	settlement	ceramic	vessel fragment	5a	untempered
1582	438	settlement	cobblestone	implement	5a	
1583	438	settlement	flint	cutting tool	5a	
1584	438	settlement	flint	cutting tool	5a	
1585	438	settlement	ceramic	vessel fragment	7	
1586	438	settlement	ceramic	vessel fragment	7	
1587	438	settlement	ceramic	vessel fragment	7	
1588	438	settlement	ceramic	vessel fragment	7	
1589	438	settlement	ceramic	perforated object	7	plant tempered
1590	438	settlement	cobblestone	cutting tool	7	
1591	438	settlement	cobblestone	cutting tool	7	
1592	438	settlement	flint	cutting tool	7	
1593	438	settlement	ceramic	vessel fragment	7	untempered
1594	438	settlement	ceramic	vessel fragment	7	untempered
1595	438	settlement	ceramic	vessel fragment	7	untempered
1596	438	settlement	ceramic	vessel fragment	7	untempered
1597	438	settlement	ceramic	vessel fragment	7	untempered
1598	438	settlement	ceramic	vessel fragment	7	untempered
1599	438	settlement	ceramic	vessel fragment	7	untempered
1600	438	settlement	ceramic	vessel fragment	7	untempered
1601	438	settlement	ceramic	vessel fragment	7	untempered
1602	438	settlement	ceramic	vessel fragment	7	untempered
1603	438	settlement	ceramic	vessel fragment	7	untempered
1604	438	settlement	ceramic	vessel fragment	7	untempered
1605	438	settlement	ceramic	vessel fragment	7	untempered
1606	438	settlement	ceramic	vessel fragment	7	untempered
1607	438	settlement	flint	cutting tool	7	
1608	438	settlement	flint	cutting tool	7	
1609	438	settlement	ceramic	vessel fragment	7	
1610	438	settlement	ceramic	vessel fragment	7	
1611	438	settlement	ceramic	vessel fragment	7	
1612	438	settlement	ceramic	vessel fragment	7	
1613	438	settlement	ceramic	vessel fragment	7	
1614	438	settlement	ceramic	vessel fragment	7	
1615	438	settlement	ceramic	vessel fragment	7	
1616	438	settlement	ceramic	vessel fragment	7	

1617	438	settlement	ceramic	vessel fragment	7	
1618	438	settlement	ceramic	vessel fragment	7	
1619	438	settlement	ceramic	vessel fragment	7	
1620	438	settlement	ceramic	vessel fragment	7	
1621	438	settlement	ceramic	vessel fragment	7	
1622	438	settlement	ceramic	vessel fragment	7	
1623	438	settlement	ceramic	vessel fragment	7	
1624	438	settlement	ceramic	vessel fragment	7	
1625	438	settlement	ceramic	vessel fragment	7	
1626	438	settlement	ceramic	vessel fragment	7	
1627	438	settlement	ceramic	vessel fragment	7	
1628	438	settlement	ceramic	vessel fragment	7	
1629	438	settlement	ceramic	vessel fragment	7	
1630	438	settlement	cobblestone	slingshot stone	7	
1631	438	settlement	ceramic	vessel fragment	7	
1632	438	settlement	ceramic	vessel fragment	7	
1633	438	settlement	ceramic	vessel fragment	7	
1634	438	settlement	ceramic	vessel fragment	7	
1635	438	settlement	ceramic	vessel fragment	7	
1636	438	settlement	ceramic	vessel fragment	7	
1637	438	settlement	ceramic	vessel fragment	7	
1638	438	settlement	ceramic	vessel fragment	7	
1639	438	settlement	flint	cutting tool	7	
1640	438	settlement	flint	cutting tool	7	
1641	438	settlement	flint	cutting tool	7	
1642	438	settlement	flint	cutting tool	7	
1643	438	settlement	flint	cutting tool	7	
1644	438	settlement	flint	cutting tool	7	
1645	438	settlement	flint	cutting tool	7	
1646	438	settlement	cobblestone	pounding tool	7	
1647	438	settlement	ceramic	vessel fragment	7	
1648	438	settlement	ceramic	vessel fragment	7	
1649	438	settlement	ceramic	vessel fragment	7	
1650	438	settlement	ceramic	vessel fragment	7	
1651	438	settlement	ceramic	vessel fragment	7	
1652	438	settlement	ceramic	vessel fragment	7	
1653	438	settlement	stone	cutting tool	7	
1654	438	settlement	flint	cutting tool	7	
1655	438	settlement	flint	cutting tool	7	
1656	438	settlement	nucleus	tool	7	
1657	438	settlement	ceramic	vessel fragment	8	
1658	438	settlement	ceramic	vessel fragment	8	
1659	438	settlement	ceramic	vessel fragment	8	
1660	438	settlement	ceramic	vessel fragment	8	
1661	438	settlement	ceramic	vessel fragment	8	

1662	438	settlement	ceramic	vessel fragment	8	
1663	438	settlement	ceramic	vessel fragment	8	
1664	438	settlement	ceramic	vessel fragment	10	
1665	438	settlement	ceramic	vessel fragment	10	
1666	438	settlement	ceramic	vessel fragment	10	
1667	438	settlement	ceramic	vessel fragment	10	
1668	438	settlement	ceramic	vessel fragment	10	
1669	438	settlement	ceramic	vessel fragment	10	
1670	438	settlement	ceramic	vessel fragment	10	
1671	438	settlement	cobblestone	implement	10	
1672	438	settlement	basalt	implement	10	
1673	438	settlement	ceramic	vessel fragment	10	
1674	438	settlement	ceramic	vessel fragment	10	
1675	438	settlement	flint	cutting tool	10	
1676	438	settlement	ceramic	vessel fragment	5a	
1677	438	settlement	ceramic	vessel fragment	5a	
1678	438	settlement	ceramic	vessel fragment	5a	
1679	438	settlement	ceramic	vessel fragment	5a	
1680	438	settlement	ceramic	vessel fragment	5a	
1681	438	settlement	ceramic	vessel fragment	5a	
1682	438	settlement	ceramic	vessel fragment	5a	
1683	438	settlement	ceramic	vessel fragment	5a	
1684	438	settlement	ceramic	vessel fragment	5a	
1685	438	settlement	ceramic	vessel fragment	5a	
1686	438	settlement	ceramic	vessel fragment	5a	
1687	438	settlement	ceramic	vessel fragment	5a	
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1690	438	settlement	ceramic	vessel fragment	5a	
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1692	438	settlement	ceramic	vessel fragment	5a	
1693	438	settlement	ceramic	vessel fragment	5a	
1694	438	settlement	ceramic	vessel fragment	5a	
1695	438	settlement	ceramic	vessel fragment	5a	
1696	438	settlement	ceramic	vessel fragment	5a	
1697	438	settlement	cobblestone	stone tool	5a	
1698	438	settlement	ceramic	perforated object	5a	plant tempered
1699	438	settlement	ceramic	vessel fragment	5a	
1700	438	settlement	ceramic	vessel fragment	5a	
1701	438	settlement	ceramic	vessel fragment	5a	
1702	438	settlement	ceramic	vessel fragment	5a	
1703	438	settlement	ceramic	vessel fragment	5a	
1704	438	settlement	ceramic	vessel fragment	5a	
1705	438	settlement	ceramic	vessel fragment	5a	
1706	438	settlement	ceramic	vessel fragment	5a	

1707	438	settlement	ceramic	vessel fragment	5a	
1708	438	settlement	ceramic	vessel fragment	5a	
1709	438	settlement	ceramic	vessel fragment	5a	
1710	438	settlement	ceramic	vessel fragment	5a	
1711	438	settlement	ceramic	vessel fragment	5a	
1712	438	settlement	flint	cutting tool	5a	
1713	438	settlement	flint	cutting tool	5a	
1714	438	settlement	flint	cutting tool	5a	
1715	438	settlement	flint	cutting tool	5a	
1716	438	settlement	flint	cutting tool	5a	
1717	438	settlement	flint	cutting tool	5a	
1718	438	settlement	flint	cutting tool	5a	
1719	438	settlement	flint	cutting tool	5a	
1720	438	settlement	flint	cutting tool	5a	
1721	438	settlement	cobblestone	cleaver	5a	
1722	438	settlement	tufa	quern	8	
1723	438	settlement	ceramic	vessel fragment	5	
1724	438	settlement	ceramic	vessel fragment	5	
1725	438	settlement	ceramic	vessel fragment	5	
1726	438	settlement	ceramic	vessel fragment	5	
1727	438	settlement	ceramic	vessel fragment	5	
1728	438	settlement	ceramic	vessel fragment	5	
1729	438	settlement	ceramic	vessel fragment	5	
1730	438	settlement	ceramic	vessel fragment	5	
1731	438	settlement	ceramic	vessel fragment	5	
1732	438	settlement	stone	implement	5	
1733	438	settlement	stone	implement	5	
1734	438	settlement	stone	implement	5	
1735	438	settlement	flint	cutting tool	5	
1736	438	settlement	flint	cutting tool	5	
1737	438	settlement	flint	cutting tool	5	
1738	438	settlement	flint	cutting tool	8	
1739	438	settlement	flint	cutting tool	8	
1740	438	settlement	flint	cutting tool	8	
1741	438	settlement	flint	cutting tool	8	
1742	438	settlement	flint	cutting tool	8	
1743	438	settlement	flint	cutting tool	8	
1744	438	settlement	ceramic	vessel fragment	8	
1745	438	settlement	ceramic	vessel fragment	8	
1746	438	settlement	ceramic	vessel fragment	8	
1747	438	settlement	ceramic	vessel fragment	8	
1748	438	settlement	ceramic	vessel fragment	8	
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1752	438	settlement	ceramic	vessel fragment	8	
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1758	438	settlement	ceramic	vessel fragment	8	
1759	438	settlement	ceramic	vessel fragment	8	
1760	438	settlement	stone	slingshot stone	8	
1761	438	settlement	ceramic	vessel fragment	8	
1762	438	settlement	ceramic	vessel fragment	8	
1763	438	settlement	ceramic	vessel fragment	8	
1764	438	settlement	ceramic	vessel fragment	8	
1765	438	settlement	ceramic	vessel fragment	8	
1766	438	settlement	stone	implement	8	
1767	438	settlement	ceramic	vessel fragment	7	
1768	438	settlement	ceramic	vessel fragment	7	
1769	438	settlement	ceramic	vessel fragment	7	
1770	438	settlement	ceramic	vessel fragment	7	
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1772	438	settlement	ceramic	vessel fragment	7	
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1774	438	settlement	ceramic	vessel fragment	7	
1775	438	settlement	ceramic	vessel fragment	7	
1776	438	settlement	flint	cutting tool	7	
1777	438	settlement	cobblestone	pounding tool	7	
1778	438	settlement	ceramic	vessel fragment	6	
1779	438	settlement	ceramic	vessel fragment	6	
1780	438	settlement	ceramic	vessel fragment	6	
1781	438	settlement	ceramic	vessel fragment	6	
1782	438	settlement	cobblestone	cleaver	6	
1783	438	settlement	cobblestone	slingshot stone	6	
1784	438	settlement	flint	cutting tool	6	
1785	438	settlement	flint	cutting tool	6	
1786	438	settlement	flint	cutting tool	6	
1787	438	settlement	flint	cutting tool	6	
1788	438	settlement	flint	cutting tool	6	
1789	438	settlement	ceramic	vessel fragment	6	
1790	438	settlement	ceramic	vessel fragment	6	
1791	438	settlement	ceramic	vessel fragment	6	
1792	438	settlement	bone	needle	6	
1793	438	settlement	stone	cutting tool	6	
1794	438	settlement	flint	cutting tool	6	
1795	438	settlement	flint	cutting tool	6	
1796	438	settlement	flint	cutting tool	6	

1797	438	settlement	flint	cutting tool	6	
1798	438	settlement	flint	cutting tool	6	
1799	438	settlement	ceramic	vessel fragment	5a	
1800	438	settlement	ceramic	vessel fragment	5a	
1801	438	settlement	ceramic	vessel fragment	5a	
1802	438	settlement	ceramic	vessel fragment	5a	
1803	438	settlement	ceramic	vessel fragment	5a	
1804	438	settlement	ceramic	vessel fragment	5a	
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1808	438	settlement	ceramic	vessel fragment	5a	
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1812	438	settlement	ceramic	vessel fragment	5a	
1813	438	settlement	ceramic	vessel fragment	5a	
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1817	438	settlement	ceramic	vessel fragment	5a	
1818	438	settlement	ceramic	vessel fragment	5a	
1819	438	settlement	ceramic	vessel fragment	5a	
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1821	438	settlement	ceramic	vessel fragment	5a	
1822	438	settlement	ceramic	vessel fragment	5a	
1823	438	settlement	ceramic	vessel fragment	5a	
1824	438	settlement	stone	quern	5a	
1825	438	settlement	stone	handstone	5a	
1826	438	settlement	stone	handstone	5a	
1827	438	settlement	stone	pounding tool	5a	
1828	438	settlement	stone	pounding tool	5a	
1829	438	settlement	stone	cutting tool	5a	
1830	438	settlement	stone	cutting tool	5a	
1831	438	settlement	stone	cutting tool	5a	
1832	438	settlement	flint	cutting tool	5a	
1833	438	settlement	ceramic	vessel fragment	5a	
1834	438	settlement	ceramic	vessel fragment	5a	
1835	438	settlement	ceramic	vessel fragment	5a	
1836	438	settlement	ceramic	vessel fragment	5a	
1837	438	settlement	ceramic	vessel fragment	5a	
1838	438	settlement	ceramic	vessel fragment	5a	
1839	438	settlement	ceramic	vessel fragment	5a	
1840	438	settlement	flint	cutting tool	5a	
1841	438	settlement	flint	cutting tool	5a	

1842	438	settlement	flint	cutting tool	5a	
1843	438	settlement	flint	cutting tool	5a	
1844	438	settlement	flint	cutting tool	5a	
1845	438	settlement	flint	cutting tool	5a	
1846	438	settlement	flint	cutting tool	5a	
1847	438	settlement	flint	cutting tool	5a	
1848	438	settlement	flint	cutting tool	5a	
1849	438	settlement	flint	cutting tool	5a	
1850	438	settlement	flint	cutting tool	5a	
1851	438	settlement	flint	cutting tool	5a	
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1854	438	settlement	flint	cutting tool	5a	
1855	438	settlement	flint	cutting tool	5a	
1856	438	settlement	flint	cutting tool	5a	
1857	438	settlement	ceramic	vessel fragment	5a	
1858	438	settlement	stone	cleaver	6	
1859	438	settlement	stone	pounding tool	6	
1860	438	settlement	flint	cutting tool	6	
1861	438	settlement	flint	cutting tool	6	
1862	438	settlement	stone	implement	6	
1863	438	settlement	stone	slingshot stone	6	
1864	438	settlement	ceramic	vessel fragment	6	
1865	438	settlement	ceramic	vessel fragment	6	
1866	438	settlement	ceramic	vessel fragment	6	
1867	438	settlement	ceramic	vessel fragment	6	
1868	438	settlement	ceramic	vessel fragment	6	
1869	438	settlement	stone	slingshot stone	6	
1870	438	settlement	ceramic	vessel fragment	6	
1871	438	settlement	ceramic	vessel fragment	6	
1872	438	settlement	ceramic	vessel fragment	6	
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1874	438	settlement	ceramic	vessel fragment	6	
1875	438	settlement	ceramic	vessel fragment	6	
1876	438	settlement	ceramic	vessel fragment	6	
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1879	438	settlement	ceramic	vessel fragment	6	
1880	438	settlement	ceramic	vessel fragment	6	
1881	438	settlement	ceramic	vessel fragment	6	
1882	438	settlement	ceramic	vessel fragment	6	
1883	438	settlement	ceramic	vessel fragment	6	
1884	438	settlement	bone	awl	8	
1885	438	settlement	stone	pounding tool	8	
1886	438	settlement	stone	pounding tool	8	



1887	438	settlement	stone	slingshot stone	8	rounded shape
1888	438	settlement	stone	slingshot stone	8	rounded shape
1889	438	settlement	stone	slingshot stone	8	rounded shape
1890	438	settlement	stone	slingshot stone	8	rounded shape
1891	438	settlement	stone	slingshot stone	8	rounded shape
1892	438	settlement	bone	needle	8	
1893	438	settlement	flint	cutting tool	8	one edge well serrated
1894	438	settlement	flint	sickle tooth	8	one edge well serrated
1895	438	settlement	flint	cutting tool	8	one edge well serrated
1896	438	settlement	flint	cutting tool	8	one edge well serrated
1897	438	settlement	flint	cutting tool	8	one edge well serrated
1898	438	settlement	flint	cutting tool	8	one edge well serrated
1899	438	settlement	obsidian	cutting tool	8	one edge well serrated
1900	438	settlement	obsidian	cutting tool	8	one edge well serrated
1901	438	settlement	obsidian	cutting tool	8	one edge well serrated
1902	438	settlement	obsidian	cutting tool	8	one edge well serrated
1903	438	settlement	stone	hoe	8	
1904	438	settlement	stone	pounding tool	6	
1905	438	settlement	stone	pounding tool	6	
1906	438	settlement	stone	pounding tool	6	
1907	438	settlement	stone	pounding tool	6	
1908	438	settlement	stone	pounding tool	6	
1909	438	settlement	stone	pounding tool	6	
1910	438	settlement	stone	pounding tool	6	
1911	438	settlement	stone	slingshot stone	6	
1912	438	settlement	ceramic	vessel fragment	6	
1913	438	settlement	ceramic	vessel fragment	6	
1914	438	settlement	ceramic	vessel fragment	6	
1915	438	settlement	ceramic	vessel fragment	6	
1916	438	settlement	ceramic	vessel fragment	6	
1917	438	settlement	ceramic	vessel fragment	6	
1918	438	settlement	stone	cutting tool	6	
1919	438	settlement	stone	cutting tool	6	
1920	438	settlement	ceramic	vessel fragment	6	
1921	438	settlement	ceramic	vessel fragment	6	
1922	438	settlement	ceramic	vessel fragment	6	
1923	438	settlement	ceramic	vessel fragment	6	
1924	438	settlement	ceramic	vessel fragment	6	
1925	438	settlement	ceramic	vessel fragment	6	
1926	438	settlement	ceramic	vessel fragment	6	
1927	438	settlement	ceramic	vessel fragment	6	
1928	438	settlement	ceramic	vessel fragment	6	
1929	438	settlement	ceramic	vessel fragment	6	
1930	438	settlement	stone	slingshot stone	6	
1931	438	settlement	ceramic	vessel fragment	6	

1932	438	settlement	ceramic	vessel fragment	6	
1933	438	settlement	ceramic	vessel fragment	6	
1934	438	settlement	stone	slingshot stone	6	
1935	438	settlement	stone	slingshot stone	6	
1936	438	settlement	ceramic	vessel fragment	6	
1937	438	settlement	stone	awl	6	
1938	438	settlement	stone	cutting tool	6	
1939	438	settlement	ceramic	vessel fragment	6	
1940	438	settlement	flint	cutting tool	6	
1941	438	settlement	flint	cutting tool	6	
1942	438	settlement	stone	cutting tool	6	
1943	438	settlement	stone	cutting tool	6	
1944	438	settlement	obsidian	cutting tool	6	
1945	438	settlement	obsidian	cutting tool	6	
1946	438	settlement	flint	cutting tool	6	
1947	438	settlement	flint	cutting tool	6	
1948	438	settlement	flint	cutting tool	6	
1949	438	settlement	flint	cutting tool	6	
1950	438	settlement	flint	cutting tool	6	
1951	438	settlement	flint	sickle tooth	6	
1952	438	settlement	flint	cutting tool	6	
1953	438	settlement	flint	sickle tooth	6	
1954	438	settlement	flint	cutting tool	6	
1955	438	settlement	flint	sickle tooth	6	
1956	438	settlement	mineral	cutting tool	6	
1957	438	settlement	flint	awl	6	
1958	438	settlement	ceramic	spindle whorl	8	plant tempered
1959	438	settlement	bone	awl	8	
1960	438	settlement	bone	awl	6	
1961	438	settlement	bone	awl	6	
1962	438	settlement	bone	awl	6	
1963	438	settlement	bone	awl	6	
1964	438	settlement	stone	pounding tool	1b	
1965	438	settlement	stone	implement	1b	
1966	438	settlement	stone	implement	1b	
1967	438	settlement	stone	implement	1b	
1968	438	settlement	flint	cutting tool	6	
1969	438	settlement	flint	cutting tool	6	
1970	438	settlement	ceramic	vessel fragment	6	
1971	438	settlement	flint	sickle tooth	6	
1972	438	settlement	flint	sickle tooth	11	
1973	438	settlement	obsidian	cutting tool	11	
1974	438	settlement	stone	implement	11	
1975	438	settlement	stone	implement	11	
1976	438	settlement	stone	grind stone	11	

1977	438	settlement	stone	pounding tool	11	
1978	438	settlement	ceramic	vessel fragment	11	
1979	438	settlement	ceramic	vessel fragment	11	
1980	438	settlement	ceramic	vessel fragment	11	
1981	438	settlement	ceramic	vessel fragment	11	
1982	438	settlement	ceramic	vessel fragment	11	
1983	438	settlement	ceramic	vessel fragment	11	
1984	438	settlement	ceramic	vessel fragment	11	
1985	438	settlement	ceramic	vessel fragment	11	
1986	438	settlement	ceramic	vessel fragment	11	
1987	438	settlement	ceramic	vessel fragment	11	
1988	438	settlement	flint	cutting tool	6	
1989	438	settlement	flint	cutting tool	6	
1990	438	settlement	flint	sickle tooth	6	
1991	438	settlement	flint	cutting tool	6	
1992	438	settlement	flint	cutting tool	6	
1993	438	settlement	obsidian	cutting tool	6	
1994	438	settlement	stone	cutting tool	6	
1995	438	settlement	stone	cutting tool	6	
1996	438	settlement	stone	cutting tool	6	
1997	438	settlement	stone	cutting tool	6	
1998	438	settlement	stone	slingshot stone	6	
1999	438	settlement	stone	slingshot stone	6	
2000	438	settlement	stone	implement	6	
2001	438	settlement	ceramic	vessel fragment	6	
2002	438	settlement	ceramic	vessel fragment	6	
2003	438	settlement	ceramic	vessel fragment	6	
2004	438	settlement	ceramic	vessel fragment	6	
2005	438	settlement	ceramic	vessel fragment	6	
2006	438	settlement	ceramic	vessel fragment	6	
2007	438	settlement	ceramic	vessel fragment	6	
2008	438	settlement	ceramic	vessel fragment	6	
2009	438	settlement	ceramic	vessel fragment	6	
2010	438	settlement	ceramic	vessel fragment	6	
2011	438	settlement	ceramic	vessel fragment	6	
2012	438	settlement	ceramic	vessel fragment	6	
2013	438	settlement	ceramic	vessel fragment	6	
2014	438	settlement	ceramic	vessel fragment	6	
2015	438	settlement	ceramic	vessel fragment	6	
2016	438	settlement	ceramic	vessel fragment	6	
2017	438	settlement	stone	quern	6	
2018	438	settlement	stone	pounding tool	6	
2019	438	settlement	ceramic	vessel fragment	6	
2020	438	settlement	ceramic	vessel fragment	6	
2021	438	settlement	ceramic	vessel fragment	6	

2022	438	settlement	ceramic	vessel fragment	6	
2023	438	settlement	ceramic	vessel fragment	7	
2024	438	settlement	ceramic	vessel fragment	7	
2025	438	settlement	ceramic	vessel fragment	7	
2026	438	settlement	ceramic	vessel fragment	7	
2027	438	settlement	ceramic	vessel fragment	7	
2028	438	settlement	ceramic	vessel fragment	7	
2029	438	settlement	stone	slingshot stone	7	
2030	438	settlement	ceramic	vessel fragment	7	
2031	438	settlement	ceramic	vessel fragment	7	
2032	438	settlement	ceramic	vessel fragment	7	
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2034	438	settlement	ceramic	vessel fragment	7	
2035	438	settlement	ceramic	vessel fragment	7	
2036	438	settlement	stone	pounding tool	7	
2037	438	settlement	ceramic	vessel fragment	7	
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2040	438	settlement	ceramic	vessel fragment	7	
2041	438	settlement	ceramic	vessel fragment	7	
2042	438	settlement	ceramic	vessel fragment	7	
2043	438	settlement	stone	quern	7	
2044	438	settlement	ceramic	perforated object	7	plant tempered
2045	438	settlement	metal	alloy	7	
2046	438	settlement	stone	cutting tool	7	
2047	438	settlement	flint	cutting tool	7	
2048	438	settlement	flint	cutting tool	7	
2049	438	settlement	obsidian	cutting tool	7	
2050	438	settlement	ceramic	vessel fragment	6	
2051	438	settlement	ceramic	vessel fragment	6	
2052	438	settlement	ceramic	vessel fragment	6	
2053	438	settlement	ceramic	vessel fragment	6	
2054	438	settlement	ceramic	vessel fragment	6	
2055	438	settlement	ceramic	vessel fragment	6	
2056	438	settlement	stone	quern	7	
2057	438	settlement	stone	pounding tool	7	
2058	438	settlement	stone	slingshot stone	7	
2059	438	settlement	ceramic	vessel fragment	7	
2060	438	settlement	ceramic	vessel fragment	7	
2061	438	settlement	ceramic	vessel fragment	7	
2062	438	settlement	ceramic	vessel fragment	7	
2063	438	settlement	ceramic	vessel fragment	7	
2064	438	settlement	ceramic	vessel fragment	7	
2065	438	settlement	ceramic	vessel fragment	7	
2066	438	settlement	ceramic	vessel fragment	7	

2067	438	settlement	bone	awl	7	
2068	438	settlement	stone	handstone	7	
2069	438	settlement	obsidian	cutting tool	7	
2070	438	settlement	flint	cutting tool	7	
2071	438	settlement	ceramic	vessel fragment	8	
2072	438	settlement	ceramic	vessel fragment	8	
2073	438	settlement	ceramic	vessel fragment	8	
2074	438	settlement	ceramic	vessel fragment	8	
2075	438	settlement	ceramic	vessel fragment	8	
2076	438	settlement	ceramic	vessel fragment	8	
2077	438	settlement	ceramic	vessel fragment	8	
2078	438	settlement	stone	handstone	8	
2079	438	settlement	ceramic	vessel fragment	5	
2080	438	settlement	ceramic	vessel fragment	5	
2081	438	settlement	ceramic	vessel fragment	5	
2082	438	settlement	ceramic	vessel fragment	5	
2083	438	settlement	ceramic	vessel fragment	5	
2084	438	settlement	ceramic	vessel fragment	5	
2085	438	settlement	ceramic	vessel fragment	5	
2086	438	settlement	ceramic	vessel fragment	5	
2087	438	settlement	ceramic	vessel fragment	5	
2088	438	settlement	ceramic	vessel fragment	5	
2089	438	settlement	ceramic	vessel fragment	5	
2090	438	settlement	ceramic	vessel fragment	5	
2091	438	settlement	ceramic	vessel fragment	5	
2092	438	settlement	ceramic	vessel fragment	5	
2093	438	settlement	ceramic	vessel fragment	5	
2094	438	settlement	ceramic	vessel fragment	5	
2095	438	settlement	stone	cutting tool	5	
2096	438	settlement	stone	implement	5	
2097	438	settlement	flint	cutting tool	5	
2098	438	settlement	stone	cutting tool	5	
2099	438	settlement	bone	cutting tool	5	
2100	438	settlement	stone	cutting tool	5	
2101	438	settlement	obsidian	cutting tool	5	
2102	438	settlement	flint	cutting tool	5	
2103	438	settlement	flint	cutting tool	5	
2104	438	settlement	flint	cutting tool	5	
2105	438	settlement	stone	pounding tool	7	
2106	438	settlement	stone	pounding tool	7	
2107	438	settlement	ceramic	vessel fragment	7	
2108	438	settlement	ceramic	vessel fragment	7	
2109	438	settlement	ceramic	vessel fragment	7	
2110	438	settlement	stone	slingshot stone	7	
2111	438	settlement	stone	pounding tool	7	

2112	438	settlement	ceramic	vessel fragment	7	
2113	438	settlement	ceramic	vessel fragment	7	
2114	438	settlement	ceramic	vessel fragment	7	
2115	438	settlement	ceramic	vessel fragment	7	
2116	438	settlement	ceramic	vessel fragment	7	
2117	438	settlement	ceramic	vessel fragment	7	
2118	438	settlement	ceramic	vessel fragment	7	
2119	438	settlement	ceramic	vessel fragment	7	
2120	438	settlement	ceramic	mixture	7	
2121	438	settlement	stone	cutting tool	7	
2122	438	settlement	bone	awl	7	
2123	438	settlement	bone	awl	7	
2124	438	settlement	ceramic	vessel fragment	9	
2125	438	settlement	ceramic	vessel fragment	9	
2126	438	settlement	stone	handstone	9	
2127	438	settlement	stone	pounding tool	9	
2128	438	settlement	stone	slingshot stone	9	
2129	438	settlement	ceramic	vessel fragment	9	
2130	438	settlement	ceramic	perforated object	9	plant tempered
2131	438	settlement	ceramic	perforated object	9	plant tempered
2132	438	settlement	ceramic	perforated object	9	plant tempered
2133	438	settlement	stone	quern	9	
2134	438	settlement	flint	sickle tooth	9	
2135	438	settlement	ceramic	jar	7	
2136	438	settlement	ceramic	burial jar	7	
2137	438	settlement	ceramic	vessel fragment	8	
2138	438	settlement	ceramic	vessel fragment	8	
2139	438	settlement	ceramic	vessel fragment	8	
2140	438	settlement	ceramic	vessel fragment	8	
2141	438	settlement	ceramic	vessel fragment	8	
2142	438	settlement	ceramic	vessel fragment	8	
2143	438	settlement	ceramic	vessel fragment	8	
2144	438	settlement	ceramic	vessel fragment	8	
2145	438	settlement	stone	slingshot stone	8	
2146	438	settlement	ceramic	vessel fragment	8	
2147	438	settlement	ceramic	vessel fragment	8	
2148	438	settlement	ceramic	vessel fragment	8	
2149	438	settlement	ceramic	vessel fragment	8	
2150	438	settlement	ceramic	vessel fragment	8	
2151	438	settlement	ceramic	vessel fragment	8	
2152	438	settlement	ceramic	vessel fragment	8	
2153	438	settlement	ceramic	vessel fragment	8	
2154	438	settlement	ceramic	vessel fragment	8	
2155	438	settlement	ceramic	vessel fragment	8	
2156	438	settlement	ceramic	vessel fragment	8	

2157	438	settlement	ceramic	vessel fragment	8	
2158	438	settlement	ceramic	perforated object	8	plant tempered
2159	438	settlement	ceramic	vessel fragment	8	
2160	438	settlement	flint	cutting tool	8	
2161	438	settlement	flint	cutting tool	8	
2162	438	settlement	flint	cutting tool	8	
2163	438	settlement	flint	cutting tool	8	
2164	438	settlement	flint	cutting tool	8	
2165	438	settlement	flint	cutting tool	8	
2166	438	settlement	flint	cutting tool	8	
2167	438	settlement	flint	cutting tool	8	
2168	438	settlement	flint	cutting tool	8	
2169	438	settlement	flint	cutting tool	8	
2170	438	settlement	flint	cutting tool	8	
2171	438	settlement	flint	cutting tool	8	
2172	438	settlement	flint	cutting tool	8	
2173	438	settlement	flint	cutting tool	8	
2174	438	settlement	ceramic	vessel fragment	7	
2175	438	settlement	ceramic	vessel fragment	7	
2176	438	settlement	ceramic	vessel fragment	7	
2177	438	settlement	ceramic	vessel fragment	7	
2178	438	settlement	bone	tool	7	
2179	438	settlement	ceramic	vessel fragment	7	
2180	438	settlement	ceramic	vessel fragment	7	
2181	438	settlement	ceramic	vessel fragment	7	
2182	438	settlement	ceramic	vessel fragment	7	
2183	438	settlement	ceramic	vessel fragment	7	
2184	438	settlement	stone	pounding tool	7	
2185	438	settlement	ceramic	vessel fragment	7	
2186	438	settlement	ceramic	vessel fragment	7	
2187	438	settlement	ceramic	vessel fragment	7	
2188	438	settlement	ceramic	vessel fragment	7	
2189	438	settlement	ceramic	vessel fragment	7	
2190	438	settlement	ceramic	vessel fragment	7	
2191	438	settlement	ceramic	perforated object	7	heavily tempered clay
2192	438	settlement	ceramic	vessel fragment	7	
2193	438	settlement	ceramic	vessel fragment	7	
2194	438	settlement	flint	cutting tool	7	
2195	438	settlement	flint	cutting tool	7	
2196	438	settlement	flint	cutting tool	7	
2197	438	settlement	flint	cutting tool	7	
2198	438	settlement	bone	figurine	7	
2199	438	settlement	ceramic	vessel fragment	6	
2200	438	settlement	ceramic	vessel fragment	6	
2201	438	settlement	ceramic	vessel fragment	6	

2202	438	settlement	ceramic	vessel fragment	1a	
2203	438	settlement	ceramic	vessel fragment	1a	
2204	438	settlement	flint	cutting tool	1a	
2205	438	settlement	stone	pounding tool	1a	
2206	438	settlement	stone	pounding tool	1a	
2207	438	settlement	ceramic	jar	1a	
2208	438	settlement	stone	pounding tool	1a	
2209	438	settlement	flint	cutting tool	1a	
2210	438	settlement	flint	cutting tool	1a	
2211	438	settlement	ceramic	jar	8	
2212	438	settlement	ceramic	jar	8	
2213	438	settlement	flint	cutting tool	6	
2214	438	settlement	flint	cutting tool	6	
2215	438	settlement	ceramic	spindle whorl	5	plant tempered
2216	438	settlement	ceramic	perforated object	9	plant tempered
2217	438	settlement	ceramic	woman figure		
2218	438	settlement	ceramic	animal figure	7d	
2219	438	settlement	obsidian	arrow-head	8	
2220	438	settlement	ceramic	stamp	7	
2221	438	settlement	ceramic	stamp	5	
2222	438	settlement	metal	copper	6	
2223	438	settlement	metal	copper	7	
2224	438	settlement	metal	copper	4b	
2225	438	settlement	metal	copper	7	
2226	438	settlement	metal	copper	6	
2227	438	settlement	metal	copper	7	
2228	438	settlement	metal	copper	6	
2229	438	settlement	metal	copper	4	
2230	438	settlement	metal	copper	7	
2231	438	settlement	ceramic	jar fragment	1b	
2232	438	settlement	ceramic	jug	1b	
2233	438	settlement	ceramic	jug	1b	
2234	438	settlement	ceramic	dish	1b	
2235	438	settlement	ceramic	dish	1b	
2236	438	settlement	flint	cutting tool	1b	
2237	438	settlement	ceramic	jar fragment	5a	
2238	438	settlement	ceramic	cooking-pot	5a	
2239	438	settlement	ceramic	platter	5a	
2240	438	settlement	ceramic	cooking-pot	5a	
2241	438	settlement	ceramic	cooking-pot	5a	
2242	438	settlement	ceramic	cooking-pot	5a	
2243	438	settlement	ceramic	cooking-pot	5a	
2244	438	settlement	ceramic	jug	5a	
2245	438	settlement	ceramic	platter	6	
2246	438	settlement	ceramic	cooking-pot	6	



2247	438	settlement	ceramic	jar fragment	6	
2248	438	settlement	ceramic	cooking-pot	6	
2249	438	settlement	ceramic	platter	6	
2250	438	settlement	ceramic	platter	6	
2251	438	settlement	ceramic	cooking-pot	6	
2252	438	settlement	ceramic	cooking-pot	6	
2253	438	settlement	flint	cutting tool	6	
2254	438	settlement	flint	cutting tool	6	
2255	438	settlement	ceramic	jar fragment	6	
2256	438	settlement	ceramic	jug	6	
2257	438	settlement	ceramic	cooking-pot	6	
2258	438	settlement	ceramic	cooking-pot	6	
2259	438	settlement	ceramic	jug	6	
2260	438	settlement	ceramic	jug	6	
2261	438	settlement	ceramic	jug	6	
2262	438	settlement	ceramic	bowl	6	
2263	438	settlement	ceramic	bowl	6	
2264	438	settlement	ceramic	bowl	6	
2265	438	settlement	ceramic	dopu	6	
2266	438	settlement	ceramic	jug	8	
2267	438	settlement	ceramic	platter	8	
2268	438	settlement	ceramic	cooking-pot	8	
2269	438	settlement	ceramic	cooking-pot	8	
2270	438	settlement	ceramic	dopu	8	
2271	438	settlement	ceramic	vessel fragment	4a	
2272	438	settlement	ceramic	vessel fragment	4a	
2273	438	settlement	ceramic	vessel fragment	4a	
2274	438	settlement	ceramic	vessel fragment	4a	
2275	438	settlement	flint	cutting tool	4a	
2276	438	settlement	flint	cutting tool	4a	
2277	438	settlement	ceramic	jar fragment	4b	
2278	438	settlement	ceramic	jar fragment	4b	
2279	438	settlement	ceramic	jar fragment	4b	
2280	438	settlement	ceramic	jar fragment	4b	
2281	438	settlement	flint	cutting tool	4b	
2282	438	settlement	obsidian	cutting tool	4b	
2283	438	settlement	flint	cutting tool	4c	
2284	438	settlement	flint	cutting tool	4c	
2285	438	settlement	flint	cutting tool	4c	
2286	438	settlement	flint	cutting tool	4c	
2287	438	settlement	ceramic	vessel fragment	4c	
2288	438	settlement	ceramic	vessel fragment	4c	
2289	438	settlement	ceramic	vessel fragment	4c	
2290	438	settlement	ceramic	vessel fragment	4c	
2291	438	settlement	ceramic	jug	4c	

2292	438	settlement	ceramic	jar fragment	4c	
2293	438	settlement	ceramic	cooking-pot	4c	
2294	438	settlement	ceramic	jar fragment	4c	
2295	438	settlement	ceramic	cooking-pot	4c	
2296	438	settlement	ceramic	platter	4c	
2297	438	settlement	ceramic	platter	4c	
2298	438	settlement	ceramic	jar fragment	4c	
2299	438	settlement	ceramic	cooking-pot	4c	
2300	438	settlement	ceramic	cooking-pot	4c	
2301	438	settlement	ceramic	cooking-pot	4c	
2302	438	settlement	ceramic	jug	4c	
2303	438	settlement	ceramic	jug	4c	
2304	438	settlement	ceramic	platter	4c	
2305	438	settlement	ceramic	cooking-pot	4c	
2306	438	settlement	ceramic	cooking-pot	4c	
2307	438	settlement	ceramic	cooking-pot	4c	
2308	438	settlement	ceramic	cooking-pot	4c	
2309	438	settlement	ceramic	cooking-pot	4c	
2310	438	settlement	ceramic	platter	4c	
2311	438	settlement	ceramic	dopu	4c	
2312	438	settlement	ceramic	jar	4c	
2313	438	settlement	ceramic	platter	4c	
2314	438	settlement	ceramic	platter	4c	
2315	438	settlement	ceramic	platter	4c	
2316	438	settlement	ceramic	platter	4c	
2317	438	settlement	ceramic	dopu	4c	
2318	438	settlement	ceramic	jug	4c	
2319	438	settlement	ceramic	jug	4c	
2320	438	settlement	ceramic	jug	4c	
2321	438	settlement	ceramic	jug	4c	
2322	438	settlement	ceramic	jug	4c	
2323	438	settlement	ceramic	jug	4c	
2324	438	settlement	ceramic	jug	4c	
2325	438	settlement	stone	pounding tool	4c	
2326	438	settlement	ceramic	cooking-pot	7	
2327	438	settlement	ceramic	jar	7	
2328	438	settlement	ceramic	cooking-pot	7	
2329	438	settlement	ceramic	cooking-pot	7	
2330	438	settlement	ceramic	cooking-pot	7	
2331	438	settlement	ceramic	jug	7	
2332	438	settlement	ceramic	jug	7	
2333	438	settlement	ceramic	jug	7	
2334	438	settlement	ceramic	cooking-pot	7	
2335	438	settlement	ceramic	cooking-pot	7	
2336	438	settlement	ceramic	cooking-pot	7	

2337	438	settlement	ceramic	cooking-pot	7	
2338	438	settlement	ceramic	cooking-pot	7	
2339	438	settlement	ceramic	dopu	7	
2340	438	settlement	ceramic	jug	7	
2341	438	settlement	ceramic	jug	7	
2342	438	settlement	ceramic	jug	7	
2343	438	settlement	ceramic	dopu	7	
2344	438	settlement	ceramic	kuza	7	
2345	438	settlement	ceramic	jug	7	
2346	438	settlement	ceramic	jug	7	
2347	438	settlement	ceramic	jug	7	
2348	438	settlement	ceramic	jug	7	
2349	438	settlement	ceramic	jug	7	
2350	438	settlement	ceramic	jug	7	
2351	438	settlement	ceramic	jug	7	
2352	438	settlement	ceramic	jug	7	
2353	438	settlement	ceramic	jug	7	
2354	438	settlement	ceramic	jug	7	
2355	438	settlement	ceramic	jar	7	
2356	438	settlement	ceramic	jar	7	
2357	438	settlement	ceramic	jar	7	
2358	438	settlement	ceramic	jar	7	
2359	438	settlement	ceramic	cooking-pot	7	
2360	438	settlement	ceramic	jug	7	
2361	438	settlement	ceramic	cooking-pot	7	
2362	438	settlement	ceramic	cooking-pot	7	
2363	438	settlement	ceramic	jug	7	
2364	438	settlement	ceramic	cooking-pot	7	
2365	438	settlement	ceramic	cooking-pot	7	
2366	438	settlement	ceramic	cooking-pot	7	
2367	438	settlement	ceramic	cooking-pot	7	
2368	438	settlement	ceramic	cooking-pot	7	
2369	438	settlement	ceramic	cooking-pot	7	
2370	438	settlement	ceramic	cooking-pot	7	
2371	438	settlement	ceramic	cooking-pot	7	
2372	438	settlement	ceramic	cooking-pot	7	
2373	438	settlement	ceramic	cooking-pot	7	
2374	438	settlement	ceramic	cooking-pot	7	
2375	438	settlement	ceramic	cooking-pot	7	
2376	438	settlement	ceramic	cooking-pot	7	
2377	438	settlement	ceramic	cooking-pot	7	
2378	438	settlement	ceramic	cooking-pot	7	
2379	438	settlement	ceramic	cooking-pot	7	
2380	438	settlement	ceramic	cooking-pot	7	
2381	438	settlement	ceramic	cooking-pot	7	

2382	438	settlement	ceramic	cooking-pot	7	
2383	438	settlement	ceramic	cooking-pot	7	
2384	438	settlement	ceramic	cooking-pot	7	
2385	438	settlement	ceramic	cooking-pot	7	
2386	438	settlement	ceramic	cooking-pot	7	
2387	438	settlement	ceramic	cooking-pot	7	
2388	438	settlement	ceramic	cooking-pot	7	
2389	438	settlement	ceramic	cooking-pot	7	
2390	438	settlement	ceramic	cooking-pot	7	
2391	438	settlement	ceramic	platter	7	
2392	438	settlement	ceramic	cooking-pot	7	
2393	438	settlement	ceramic	kuza	7	
2394	438	settlement	flint	cutting tool	7	one edge well serrated
2395	438	settlement	flint	cutting tool	7	one edge well serrated
2396	438	settlement	flint	cutting tool	7	one edge well serrated
2397	438	settlement	flint	cutting tool	7	one edge well serrated
2398	438	settlement	flint	cutting tool	7	one edge well serrated
2399	438	settlement	flint	cutting tool	7	one edge well serrated
2400	438	settlement	flint	cutting tool	7	one edge well serrated
2401	438	settlement	flint	cutting tool	7	one edge well serrated
2402	438	settlement	flint	cutting tool	7	one edge well serrated
2403	438	settlement	flint	cutting tool	7	one edge well serrated
2404	438	settlement	flint	cutting tool	7	one edge well serrated
2405	438	settlement	flint	cutting tool	7	one edge well serrated
2406	438	settlement	flint	cutting tool	7	one edge well serrated
2407	438	settlement	flint	cutting tool	7	one edge well serrated
2408	438	settlement	ceramic	cooking-pot	8	soot layer on surface
2409	438	settlement	ceramic	cooking-pot	8	soot layer on surface
2410	438	settlement	ceramic	cooking-pot	8	soot layer on surface
2411	438	settlement	ceramic	cooking-pot	8	soot layer on surface
2412	438	settlement	ceramic	cooking-pot	8	soot layer on surface
2413	438	settlement	ceramic	cooking-pot	8	soot layer on surface
2414	438	settlement	ceramic	cooking-pot	8	soot layer on surface
2415	438	settlement	ceramic	cooking-pot	8	soot layer on surface
2416	438	settlement	ceramic	cooking-pot	8	soot layer on surface
2417	438	settlement	ceramic	cooking-pot	4a	soot layer on surface
2418	438	settlement	ceramic	cooking-pot	4a	soot layer on surface
2419	438	settlement	ceramic	cooking-pot	4a	soot layer on surface
2420	438	settlement	ceramic	cooking-pot	4a	soot layer on surface
2421	438	settlement	ceramic	cooking-pot	4a	soot layer on surface
2422	438	settlement	ceramic	cooking-pot	4a	soot layer on surface
2423	438	settlement	ceramic	cooking-pot	4a	soot layer on surface
2424	438	settlement	ceramic	cooking-pot	4a	soot layer on surface
2425	438	settlement	ceramic	cooking-pot	4a	soot layer on surface
2426	438	settlement	ceramic	cooking-pot	4a	soot layer on surface

2427	438	settlement	ceramic	cooking-pot	4a	soot layer on surface
2428	438	settlement	ceramic	cooking-pot	4a	soot layer on surface
2429	438	settlement	ceramic	cooking-pot	4a	soot layer on surface
2430	438	settlement	ceramic	cooking-pot	4a	soot layer on surface
2431	438	settlement	ceramic	cooking-pot	4a	soot layer on surface
2432	438	settlement	ceramic	cooking-pot	4a	soot layer on surface
2433	438	settlement	ceramic	cooking-pot	4a	soot layer on surface
2434	438	settlement	ceramic	cooking-pot	4a	soot layer on surface
2435	438	settlement	ceramic	cooking-pot	4a	soot layer on surface
2436	438	settlement	ceramic	cooking-pot	4a	soot layer on surface
2437	438	settlement	ceramic	cooking-pot	4a	soot layer on surface
2438	438	settlement	ceramic	jug	4a	soot layer on surface
2439	438	settlement	ceramic	jug	4a	soot layer on surface
2440	438	settlement	ceramic	jug	4a	soot layer on surface
2441	438	settlement	ceramic	jug	4a	soot layer on surface
2442	438	settlement	ceramic	platter	4a	soot layer on surface
2443	438	settlement	ceramic	cooking-pot	4a	soot layer on surface
2444	438	settlement	ceramic	platter	4a	soot layer on surface
2445	438	settlement	ceramic	jug	4a	soot layer on surface
2446	438	settlement	ceramic	jug	4a	soot layer on surface
2447	438	settlement	ceramic	jug	4a	soot layer on surface
2448	438	settlement	ceramic	cooking-pot	4a	soot layer on surface
2449	438	settlement	ceramic	platter	4a	soot layer on surface
2450	438	settlement	ceramic	jug	4a	soot layer on surface
2451	438	settlement	ceramic	jug	4a	soot layer on surface
2452	438	settlement	ceramic	jug	4a	soot layer on surface
2453	438	settlement	ceramic	jug	4a	soot layer on surface
2454	438	settlement	flint	cutting tool	4a	
2455	438	settlement	flint	nucleus	4a	
2456	438	settlement	obsidian	cutting tool	4a	
2457	438	settlement	ceramic	vessel fragment	4b	
2458	438	settlement	ceramic	vessel fragment	4b	
2459	438	settlement	ceramic	vessel fragment	4b	
2460	438	settlement	ceramic	vessel fragment	4b	
2461	438	settlement	ceramic	vessel fragment	4b	
2462	438	settlement	ceramic	vessel fragment	4b	
2463	438	settlement	ceramic	vessel fragment	4b	
2464	438	settlement	ceramic	vessel fragment	4b	
2465	438	settlement	ceramic	vessel fragment	4b	
2466	438	settlement	ceramic	vessel fragment	4b	
2467	438	settlement	ceramic	vessel fragment	4b	
2468	438	settlement	ceramic	vessel fragment	4b	
2469	438	settlement	ceramic	vessel fragment	4b	
2470	438	settlement	ceramic	vessel fragment	4b	
2471	438	settlement	ceramic	spindle whorl	4b	plant tempered

2472	438	settlement	ceramic	cooking-pot	4b	
2473	438	settlement	ceramic	platter	4b	
2474	438	settlement	ceramic	platter	4b	
2475	438	settlement	ceramic	jug	4b	
2476	438	settlement	ceramic	platter	4b	
2477	438	settlement	ceramic	platter	4b	
2478	438	settlement	ceramic	jug	4b	
2479	438	settlement	ceramic	jug	4b	
2480	438	settlement	ceramic	cooking-pot	4b	
2481	438	settlement	ceramic	cooking-pot	4b	
2482	438	settlement	flint	cutting tool	4b	
2483	438	settlement	flint	cutting tool	4b	
2484	438	settlement	flint	cutting tool	4b	
2485	438	settlement	flint	cutting tool	4b	
2486	438	settlement	flint	cutting tool	4b	
2487	438	settlement	ceramic	jug	4b	
2488	438	settlement	ceramic	jug	4b	
2489	438	settlement	ceramic	jug	4b	
2490	438	settlement	ceramic	jug	4b	
2491	438	settlement	ceramic	jug	4b	
2492	438	settlement	ceramic	jug	4b	
2493	438	settlement	ceramic	jug	4b	
2494	438	settlement	ceramic	jug	4b	
2495	438	settlement	ceramic	jug	4b	
2496	438	settlement	ceramic	jug	4b	
2497	438	settlement	ceramic	jug	4b	
2498	438	settlement	ceramic	jug	4b	
2499	438	settlement	ceramic	jug	4b	
2500	438	settlement	ceramic	jug	4b	
2501	438	settlement	ceramic	jug	4b	
2502	438	settlement	ceramic	jug	4b	
2503	438	settlement	ceramic	jug	4b	
2504	438	settlement	ceramic	jug	4b	
2505	438	settlement	ceramic	jug	4b	
2506	438	settlement	ceramic	platter	4b	
2507	438	settlement	ceramic	cooking-pot	4b	
2508	438	settlement	ceramic	platter	4b	
2509	438	settlement	ceramic	jar fragment	4b	
2510	438	settlement	ceramic	jug	4b	
2511	438	settlement	ceramic	jug	4b	
2512	438	settlement	ceramic	bowl	4b	
2513	438	settlement	ceramic	cooking-pot	4b	
2514	438	settlement	ceramic	jar fragment	4b	
2515	438	settlement	ceramic	jug	4b	
2516	438	settlement	ceramic	jug	4b	

2517	438	settlement	ceramic	jug	4b	
2518	438	settlement	ceramic	jug	4b	
2519	438	settlement	ceramic	jug	4b	
2520	438	settlement	ceramic	jug	4b	
2521	438	settlement	ceramic	jug	4b	
2522	438	settlement	ceramic	jug	4b	
2523	438	settlement	ceramic	jug	4b	
2524	438	settlement	ceramic	jug	4b	
2525	438	settlement	ceramic	jug	4b	
2526	438	settlement	ceramic	jug	4b	
2527	438	settlement	ceramic	jug	4b	
2528	438	settlement	ceramic	jug	4b	
2529	438	settlement	ceramic	jug	4b	
2530	438	settlement	ceramic	jug	4b	
2531	438	settlement	ceramic	jug	4b	
2532	438	settlement	ceramic	jug	4b	
2533	438	settlement	ceramic	jug	4b	
2534	438	settlement	ceramic	jug	4b	
2535	438	settlement	ceramic	jug	4b	
2536	438	settlement	ceramic	jug	4b	
2537	438	settlement	ceramic	jug	4b	
2538	438	settlement	ceramic	jug	4b	
2539	438	settlement	ceramic	jug	4b	
2540	438	settlement	ceramic	jug	4b	
2541	438	settlement	ceramic	jug	4b	
2542	438	settlement	ceramic	jug	4b	
2543	438	settlement	ceramic	jug	4b	
2544	438	settlement	ceramic	jug	4b	
2545	438	settlement	ceramic	jug	4b	
2546	438	settlement	ceramic	jug	4b	
2547	438	settlement	ceramic	jug	4b	
2548	438	settlement	ceramic	jug	4b	
2549	438	settlement	ceramic	jug	4b	
2550	438	settlement	ceramic	jug	4b	
2551	438	settlement	ceramic	jug	4b	
2552	438	settlement	ceramic	jug	4b	
2553	438	settlement	ceramic	jug	4b	
2554	438	settlement	ceramic	jug	4b	
2555	438	settlement	ceramic	jug	4b	
2556	438	settlement	ceramic	jug	4b	
2557	438	settlement	flint	cutting tool	4b	
2558	438	settlement	flint	cutting tool	4b	
2559	438	settlement	flint	cutting tool	4b	
2560	438	settlement	stone	quern	4b	
2561	438	settlement	stone	quern	4b	

2562	438	settlement	stone	pounding tool	4b	
2563	438	settlement	ceramic	vessel fragment	4b	
2564	438	settlement	ceramic	vessel fragment	4b	
2565	438	settlement	ceramic	vessel fragment	4b	
2566	438	settlement	ceramic	vessel fragment	4b	
2567	438	settlement	ceramic	vessel fragment	4b	
2568	438	settlement	ceramic	vessel fragment	4b	
2569	438	settlement	ceramic	vessel fragment	4b	
2570	438	settlement	ceramic	vessel fragment	4b	
2571	438	settlement	ceramic	vessel fragment	4b	
2572	438	settlement	ceramic	vessel fragment	4b	
2573	438	settlement	ceramic	spindle whorl	4b	plant tempered
2574	438	settlement	ceramic	vessel fragment	4b	
2575	438	settlement	ceramic	vessel fragment	4b	
2576	438	settlement	ceramic	vessel fragment	4b	
2577	438	settlement	ceramic	vessel fragment	4b	
2578	438	settlement	ceramic	vessel fragment	4b	
2579	438	settlement	ceramic	vessel fragment	4b	
2580	438	settlement	ceramic	vessel fragment	4b	
2581	438	settlement	ceramic	vessel fragment	4b	
2582	438	settlement	ceramic	bowl	4b	
2583	438	settlement	ceramic	platter	4b	
2584	438	settlement	ceramic	platter	4b	
2585	438	settlement	ceramic	cooking-pot	4b	
2586	438	settlement	ceramic	jug	4b	
2587	438	settlement	ceramic	jug	4b	
2588	438	settlement	ceramic	jug	4b	
2589	438	settlement	ceramic	jug	4b	
2590	438	settlement	ceramic	jug	4b	
2591	438	settlement	ceramic	cooking-pot	4b	
2592	438	settlement	ceramic	cooking-pot	4b	
2593	438	settlement	ceramic	cooking-pot	4b	
2594	438	settlement	ceramic	platter	4b	
2595	438	settlement	ceramic	platter	4b	
2596	438	settlement	ceramic	jug	4b	
2597	438	settlement	ceramic	jug	4b	
2598	438	settlement	ceramic	jug	4b	
2599	438	settlement	ceramic	jug	4b	
2600	438	settlement	ceramic	jug	4b	
2601	438	settlement	ceramic	jug	4b	
2602	438	settlement	ceramic	jug	4b	
2603	438	settlement	ceramic	bowl	4b	
2604	438	settlement	ceramic	bowl	4b	
2605	438	settlement	ceramic	jug	4b	
2606	438	settlement	ceramic	jug	4b	



2607	438	settlement	ceramic	dopu	4b	
2608	438	settlement	ceramic	dopu	4b	
2609	438	settlement	ceramic	jug	4b	
2610	438	settlement	ceramic	jug	4b	
2611	438	settlement	ceramic	jug	4b	
2612	438	settlement	obsidian	cutting tool	4b	
2613	438	settlement	flint	cutting tool	4b	
2614	438	settlement	flint	cutting tool	4b	
2615	438	settlement	flint	cutting tool	4b	
2616	438	settlement	flint	cutting tool	4b	
2617	438	settlement	flint	cutting tool	4b	
2618	438	settlement	flint	cutting tool	4b	
2619	438	settlement	flint	cutting tool	4b	
2620	438	settlement	flint	cutting tool	4b	
2621	438	settlement	flint	cutting tool	4b	
2622	438	settlement	flint	cutting tool	4b	
2623	438	settlement	flint	cutting tool	4b	
2624	438	settlement	flint	cutting tool	4b	
2625	438	settlement	flint	cutting tool	4b	
2626	438	settlement	bone	awl	4b	
2627	438	settlement	stone	pounding tool	4b	
2628	438	settlement	ceramic	vessel fragment	4c	
2629	438	settlement	ceramic	vessel fragment	4c	
2630	438	settlement	ceramic	vessel fragment	4c	
2631	438	settlement	ceramic	vessel fragment	4c	
2632	438	settlement	ceramic	vessel fragment	4c	
2633	438	settlement	ceramic	vessel fragment	4c	
2634	438	settlement	ceramic	vessel fragment	4c	
2635	438	settlement	ceramic	vessel fragment	4c	
2636	438	settlement	ceramic	vessel fragment	4c	
2637	438	settlement	ceramic	vessel fragment	4c	
2638	438	settlement	ceramic	vessel fragment	4c	
2639	438	settlement	ceramic	vessel fragment	4c	
2640	438	settlement	ceramic	vessel fragment	4c	
2641	438	settlement	ceramic	vessel fragment	4c	
2642	438	settlement	ceramic	vessel fragment	4c	
2643	438	settlement	ceramic	vessel fragment	4c	
2644	438	settlement	ceramic	vessel fragment	4c	
2645	438	settlement	ceramic	vessel fragment	4c	
2646	438	settlement	ceramic	vessel fragment	4c	
2647	438	settlement	ceramic	vessel fragment	4c	
2648	438	settlement	ceramic	dopu	4c	
2649	438	settlement	ceramic	bowl	4c	
2650	438	settlement	ceramic	jug	4c	
2651	438	settlement	ceramic	dopu	4c	

2652	438	settlement	ceramic	vessel fragment	4c	
2653	438	settlement	stone	pounding tool	4c	
2654	438	settlement	flint	cutting tool	4c	
2655	438	settlement	flint	cutting tool	4c	
2656	438	settlement	flint	cutting tool	4c	
2657	438	settlement	obsidian	cutting tool	4c	
2658	438	settlement	stone	pounding tool	4a	
2659	438	settlement	stone	handstone	4a	
2660	438	settlement	stone	pounding tool	4a	
2661	438	settlement	stone	handstone	4a	
2662	438	settlement	stone	pounding tool	4a	
2663	438	settlement	stone	pounding tool	4a	
2664	438	settlement	stone	handstone	4a	
2665	438	settlement	flint	cutting tool	4a	
2666	438	settlement	obsidian	cutting tool	4a	
2667	438	settlement	ceramic	vessel fragment	4b	
2668	438	settlement	ceramic	vessel fragment	4b	
2669	438	settlement	ceramic	vessel fragment	4b	
2670	438	settlement	ceramic	vessel fragment	4b	
2671	438	settlement	ceramic	vessel fragment	4b	
2672	438	settlement	ceramic	vessel fragment	4b	
2673	438	settlement	ceramic	vessel fragment	4b	
2674	438	settlement	ceramic	vessel fragment	4b	
2675	438	settlement	ceramic	vessel fragment	4b	
2676	438	settlement	ceramic	vessel fragment	4b	
2677	438	settlement	ceramic	vessel fragment	4b	
2678	438	settlement	ceramic	vessel fragment	4b	
2679	438	settlement	ceramic	vessel fragment	4b	
2680	438	settlement	ceramic	jug	4b	
2681	438	settlement	ceramic	cooking-pot	4b	
2682	438	settlement	ceramic	jug	4b	
2683	438	settlement	ceramic	jug	4b	
2684	438	settlement	flint	cutting tool	4b	
2685	438	settlement	flint	cutting tool	4b	
2686	438	settlement	flint	cutting tool	4b	
2687	438	settlement	flint	cutting tool	4b	
2688	438	settlement	obsidian	cutting tool	4b	
2689	438	settlement	stone	grind stone	4b	
2690	438	settlement	ceramic	vessel fragment	4c	
2691	438	settlement	ceramic	vessel fragment	4c	
2692	438	settlement	ceramic	vessel fragment	4c	
2693	438	settlement	ceramic	vessel fragment	4c	
2694	438	settlement	ceramic	vessel fragment	4c	
2695	438	settlement	ceramic	vessel fragment	4c	
2696	438	settlement	ceramic	vessel fragment	4c	

2697	438	settlement	ceramic	vessel fragment	4c	
2698	438	settlement	ceramic	vessel fragment	4c	
2699	438	settlement	ceramic	vessel fragment	4c	
2700	438	settlement	ceramic	vessel fragment	4c	
2701	438	settlement	ceramic	vessel fragment	4c	
2702	438	settlement	ceramic	vessel fragment	4c	
2703	438	settlement	ceramic	vessel fragment	4c	
2704	438	settlement	ceramic	vessel fragment	4c	
2705	438	settlement	ceramic	vessel fragment	4c	
2706	438	settlement	ceramic	vessel fragment	4c	
2707	438	settlement	ceramic	vessel fragment	4c	
2708	438	settlement	ceramic	perforated object	4c	plant tempered
2709	438	settlement	ceramic	perforated object	4c	plant tempered
2710	438	settlement	ceramic	jug	4c	
2711	438	settlement	ceramic	jug	4c	
2712	438	settlement	ceramic	jug	4c	
2713	438	settlement	ceramic	platter	4c	
2714	438	settlement	ceramic	cooking-pot	4c	
2715	438	settlement	ceramic	bowl	4c	
2716	438	settlement	ceramic	cooking-pot	4c	
2717	438	settlement	ceramic	jug	4c	
2718	438	settlement	ceramic	jug	4c	
2719	438	settlement	ceramic	jug	4c	
2720	438	settlement	ceramic	jug	4c	
2721	438	settlement	ceramic	jug	4c	
2722	438	settlement	ceramic	jug	4c	
2723	438	settlement	ceramic	jug	4c	
2724	438	settlement	ceramic	jug	4c	
2725	438	settlement	ceramic	dopu	4c	
2726	438	settlement	ceramic	platter	4c	
2727	438	settlement	ceramic	platter	4c	
2728	438	settlement	ceramic	jug	4c	
2729	438	settlement	ceramic	jug	4c	
2730	438	settlement	ceramic	jar	4c	
2731	438	settlement	flint	cutting tool	4c	
2732	438	settlement	flint	cutting tool	4c	
2733	438	settlement	flint	cutting tool	4c	
2734	438	settlement	flint	cutting tool	4c	
2735	438	settlement	flint	cutting tool	4c	
2736	438	settlement	obsidian	cutting tool	4c	
2737	438	settlement	obsidian	cutting tool	4c	
2738	438	settlement	obsidian	cutting tool	4c	
2739	438	settlement	obsidian	cutting tool	4c	
2740	438	settlement	bone	awl	4c	
2741	438	settlement	stone	pounding tool	4c	

2742	438	settlement	ceramic	cooking-pot	4c	
2743	438	settlement	ceramic	cooking-pot	4c	
2744	438	settlement	ceramic	platter	4c	
2745	438	settlement	ceramic	perforated object	4c	plant tempered
2746	438	settlement	stone	grind stone	4c	
2747	438	settlement	ceramic	vessel fragment	4c	
2748	438	settlement	ceramic	jug	4c	
2749	438	settlement	ceramic	platter	4c	
2750	438	settlement	ceramic	platter	4c	
2751	438	settlement	ceramic	platter	4c	
2752	438	settlement	ceramic	jug	4c	
2753	438	settlement	ceramic	jug	4c	
2754	438	settlement	ceramic	jug	4c	
2755	438	settlement	ceramic	dopu	4c	
2756	438	settlement	ceramic	dopu	4c	
2757	438	settlement	ceramic	dopu	4c	
2758	438	settlement	ceramic	dopu	4c	
2759	438	settlement	ceramic	dopu	4c	
2760	438	settlement	ceramic	dopu	4c	
2761	438	settlement	ceramic	dopu	4c	
2762	438	settlement	ceramic	dopu	4c	
2763	438	settlement	ceramic	dopu	4c	
2764	438	settlement	ceramic	vessel fragment	4c	soot layer on surface
2765	438	settlement	ceramic	vessel fragment	4c	soot layer on surface
2766	438	settlement	ceramic	vessel fragment	4c	soot layer on surface
2767	438	settlement	ceramic	vessel fragment	4c	soot layer on surface
2768	438	settlement	ceramic	vessel fragment	4c	soot layer on surface
2769	438	settlement	ceramic	vessel fragment	4c	soot layer on surface
2770	438	settlement	ceramic	vessel fragment	4c	soot layer on surface
2771	438	settlement	ceramic	vessel fragment	4c	soot layer on surface
2772	438	settlement	ceramic	vessel fragment	4c	soot layer on surface
2773	438	settlement	ceramic	vessel fragment	4c	soot layer on surface
2774	438	settlement	ceramic	jug	4c	
2775	438	settlement	ceramic	jug	4c	
2776	438	settlement	ceramic	platter	4c	
2777	438	settlement	ceramic	platter	4c	
2778	438	settlement	ceramic	platter	4c	
2779	438	settlement	ceramic	platter	4c	
2780	438	settlement	ceramic	platter	4c	
2781	438	settlement	ceramic	platter	4c	
2782	438	settlement	ceramic	jug	4c	
2783	438	settlement	ceramic	jug	4c	
2784	438	settlement	ceramic	jug	4c	
2785	438	settlement	ceramic	jug	4c	
2786	438	settlement	ceramic	jug	4c	

2787	438	settlement	ceramic	platter	4c	
2788	438	settlement	ceramic	platter	4c	
2789	438	settlement	ceramic	platter	4c	
2790	438	settlement	ceramic	platter	4c	
2791	438	settlement	ceramic	platter	4c	
2792	438	settlement	ceramic	jug	4c	
2793	438	settlement	ceramic	jug	4c	
2794	438	settlement	ceramic	jug	4c	
2795	438	settlement	ceramic	jug	4c	
2796	438	settlement	ceramic	jug	4c	
2797	438	settlement	ceramic	jug	4c	
2798	438	settlement	ceramic	cooking-pot	4c	
2799	438	settlement	ceramic	platter	4c	
2800	438	settlement	ceramic	spout	4c	
2801	438	settlement	ceramic	jug	4c	
2802	438	settlement	ceramic	jug	4c	
2803	438	settlement	ceramic	jug	4c	
2804	438	settlement	ceramic	jug	4c	
2805	438	settlement	ceramic	jug	4c	
2806	438	settlement	ceramic	jug	4c	
2807	438	settlement	ceramic	jug	4c	
2808	438	settlement	flint	cutting tool	4c	
2809	438	settlement	flint	cutting tool	4c	
2810	438	settlement	flint	cutting tool	4c	
2811	438	settlement	stone	pounding tool	4c	
2812	438	settlement	stone	axe	4c	
2813	438	settlement	stone	handstone	4c	
2814	438	settlement	stone	handstone	4c	
2815	438	settlement	stone	axe	4c	
2816	438	settlement	stone	pounding tool	4c	
2817	438	settlement	stone	mould	4c	
2818	438	settlement	ceramic	jar	6	
2819	438	settlement	ceramic	jar	6	
2820	438	settlement	ceramic	cooking-pot	6	
2821	438	settlement	ceramic	platter	6	
2822	438	settlement	ceramic	jug	6	
2823	438	settlement	ceramic	jug	6	
2824	438	settlement	ceramic	jug	6	
2825	438	settlement	ceramic	jug	6	
2826	438	settlement	ceramic	dopu	6	
2827	438	settlement	stone	handstone	6	
2828	438	settlement	stone	handstone	6	
2829	438	settlement	flint	cutting tool	6	
2830	438	settlement	flint	cutting tool	6	
2831	438	settlement	flint	cutting tool	6	

2832	438	settlement	flint	cutting tool	6	
2833	438	settlement	flint	cutting tool	6	
2834	438	settlement	flint	cutting tool	6	
2835	438	settlement	flint	cutting tool	6	
2836	438	settlement	flint	cutting tool	6	
2837	438	settlement	flint	cutting tool	6	
2838	438	settlement	flint	cutting tool	6	
2839	438	settlement	flint	cutting tool	6	
2840	438	settlement	flint	cutting tool	6	
2841	438	settlement	flint	cutting tool	6	
2842	438	settlement	obsidian	cutting tool	6	
2843	438	settlement	obsidian	cutting tool	6	
2844	438	settlement	obsidian	cutting tool	6	
2845	438	settlement	obsidian	cutting tool	6	
2846	438	settlement	ceramic	vessel fragment	6	
2847	438	settlement	ceramic	vessel fragment	6	
2848	438	settlement	ceramic	vessel fragment	6	
2849	438	settlement	ceramic	vessel fragment	6	
2850	438	settlement	ceramic	vessel fragment	6	
2851	438	settlement	ceramic	vessel fragment	6	
2852	438	settlement	ceramic	vessel fragment	6	
2853	438	settlement	ceramic	vessel fragment	6	
2854	438	settlement	ceramic	vessel fragment	6	
2855	438	settlement	ceramic	vessel fragment	6	
2856	438	settlement	ceramic	spindle whorl	6	plant tempered
2857	438	settlement	ceramic	vessel fragment	6	
2858	438	settlement	ceramic	vessel fragment	6	
2859	438	settlement	ceramic	vessel fragment	6	
2860	438	settlement	ceramic	vessel fragment	6	
2861	438	settlement	ceramic	vessel fragment	6	
2862	438	settlement	ceramic	vessel fragment	6	
2863	438	settlement	ceramic	vessel fragment	6	
2864	438	settlement	ceramic	vessel fragment	6	
2865	438	settlement	ceramic	vessel fragment	6	
2866	438	settlement	ceramic	cooking-pot	6	
2867	438	settlement	ceramic	cooking-pot	6	
2868	438	settlement	ceramic	cooking-pot	6	
2869	438	settlement	ceramic	cooking-pot	6	
2870	438	settlement	ceramic	jug	6	
2871	438	settlement	ceramic	bardag	6	
2872	438	settlement	ceramic	cooking-pot	6	
2873	438	settlement	ceramic	jug	6	
2874	438	settlement	ceramic	dopu	6	
2875	438	settlement	ceramic	jug	6	
2876	438	settlement	flint	cutting tool	6	

2877	438	settlement	flint	cutting tool	6	
2878	438	settlement	flint	cutting tool	6	
2879	438	settlement	flint	cutting tool	6	
2880	438	settlement	flint	cutting tool	6	
2881	438	settlement	flint	cutting tool	6	
2882	438	settlement	flint	cutting tool	6	
2883	438	settlement	ceramic	vessel fragment	6	
2884	438	settlement	ceramic	vessel fragment	6	
2885	438	settlement	ceramic	vessel fragment	6	
2886	438	settlement	ceramic	vessel fragment	6	
2887	438	settlement	ceramic	vessel fragment	6	
2888	438	settlement	ceramic	vessel fragment	6	
2889	438	settlement	ceramic	vessel fragment	6	
2890	438	settlement	ceramic	vessel fragment	6	
2891	438	settlement	ceramic	vessel fragment	6	
2892	438	settlement	ceramic	vessel fragment	6	
2893	438	settlement	ceramic	bowl	6	
2894	438	settlement	ceramic	platter	6	
2895	438	settlement	ceramic	platter	6	
2896	438	settlement	ceramic	platter	6	
2897	438	settlement	ceramic	platter	6	
2898	438	settlement	ceramic	jug	6	
2899	438	settlement	ceramic	jug	6	
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2907	438	settlement	ceramic	platter	6	
2908	438	settlement	ceramic	jug	6	
2909	438	settlement	ceramic	dopu	6	
2910	438	settlement	ceramic	jug	6	
2911	438	settlement	ceramic	platter	6	
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2915	438	settlement	ceramic	jug	6	
2916	438	settlement	ceramic	jug	6	
2917	438	settlement	flint	cutting tool	6	
2918	438	settlement	flint	cutting tool	6	
2919	438	settlement	flint	nucleus	6	
2920	438	settlement	bone	awl	6	
2921	438	settlement	ceramic	jug	6	

2922	438	settlement	ceramic	jug	6	
2923	438	settlement	ceramic	jug	6	
2924	438	settlement	ceramic	jug	6	
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2927	438	settlement	ceramic	jug	6	
2928	438	settlement	ceramic	jug	6	
2929	438	settlement	ceramic	jug	6	
2930	438	settlement	ceramic	jug	6	
2931	438	settlement	ceramic	jug	6	
2932	438	settlement	ceramic	jug	6	
2933	438	settlement	ceramic	jug	6	
2934	438	settlement	ceramic	jug	6	
2935	438	settlement	ceramic	jug	6	
2936	438	settlement	ceramic	jug	6	
2937	438	settlement	ceramic	jug	6	
2938	438	settlement	ceramic	jug	6	
2939	438	settlement	ceramic	jug	6	
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2949	438	settlement	ceramic	jug	6	
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2981	438	settlement	ceramic	jug	6	
2982	438	settlement	ceramic	jug	6	
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2987	438	settlement	ceramic	jug	6	
2988	438	settlement	ceramic	platter	6	
2989	438	settlement	ceramic	jug	6	
2990	438	settlement	ceramic	platter	6	
2991	438	settlement	ceramic	platter	6	
2992	438	settlement	ceramic	kuza	6	
2993	438	settlement	ceramic	jug	6	
2994	438	settlement	ceramic	jug	6	
2995	438	settlement	ceramic	jug	6	
2996	438	settlement	ceramic	jar	6	
2997	438	settlement	ceramic	platter	6	
2998	438	settlement	ceramic	platter	6	
2999	438	settlement	ceramic	platter	6	
3000	438	settlement	ceramic	platter	6	
3001	438	settlement	ceramic	platter	6	
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3009	438	settlement	ceramic	platter	6	
3010	438	settlement	ceramic	platter	6	
3011	438	settlement	ceramic	vessel fragment	6	

3012	438	settlement	ceramic	vessel fragment	6	
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3028	438	settlement	flint	cutting tool	6	
3029	438	settlement	flint	cutting tool	6	
3030	438	settlement	flint	cutting tool	6	
3031	438	settlement	stone	pounding tool	6	
3032	438	settlement	stone	grind stone	6	
3033	438	settlement	ceramic	vessel fragment	4b	
3034	438	settlement	ceramic	vessel fragment	4b	
3035	438	settlement	ceramic	vessel fragment	4b	
3036	438	settlement	stone	handstone	4b	
3037	438	settlement	stone	handstone	4b	
3038	438	settlement	ceramic	vessel fragment	4b	soot layer on surface
3039	438	settlement	ceramic	vessel fragment	4b	soot layer on surface
3040	438	settlement	ceramic	vessel fragment	4b	soot layer on surface
3041	438	settlement	ceramic	vessel fragment	4b	soot layer on surface
3042	438	settlement	ceramic	vessel fragment	4b	soot layer on surface
3043	438	settlement	ceramic	vessel fragment	4b	soot layer on surface
3044	438	settlement	ceramic	vessel fragment	4b	soot layer on surface
3045	438	settlement	ceramic	vessel fragment	4b	soot layer on surface
3046	438	settlement	ceramic	vessel fragment	4b	soot layer on surface
3047	438	settlement	ceramic	vessel fragment	4b	soot layer on surface
3048	438	settlement	ceramic	platter	4b	
3049	438	settlement	ceramic	platter	4b	
3050	438	settlement	ceramic	platter	4b	
3051	438	settlement	ceramic	platter	4b	
3052	438	settlement	ceramic	platter	4b	
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3057	438	settlement	ceramic	platter	4b	
3058	438	settlement	ceramic	platter	4b	
3059	438	settlement	flint	cutting tool	4b	
3060	438	settlement	flint	cutting tool	4b	
3061	438	settlement	ceramic	vessel fragment	4c	
3062	438	settlement	ceramic	vessel fragment	4c	
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3065	438	settlement	ceramic	vessel fragment	4c	
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3070	438	settlement	ceramic	vessel fragment	4c	
3071	438	settlement	ceramic	jar	4c	
3072	438	settlement	ceramic	jug	4c	
3073	438	settlement	ceramic	jug	4c	
3074	438	settlement	ceramic	jug	4c	
3075	438	settlement	ceramic	jug	4c	
3076	438	settlement	ceramic	platter	4c	
3077	438	settlement	ceramic	jug	4c	
3078	438	settlement	ceramic	platter	4c	
3079	438	settlement	ceramic	platter	4c	
3080	438	settlement	ceramic	platter	4c	
3081	438	settlement	ceramic	platter	4c	
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3088	438	settlement	ceramic	platter	4c	
3089	438	settlement	ceramic	platter	4c	
3090	438	settlement	ceramic	platter	4c	
3091	438	settlement	stone	handstone	4c	
3092	438	settlement	flint	cutting tool	4c	
3093	438	settlement	ceramic	vessel fragment	4c	
3094	438	settlement	ceramic	vessel fragment	4c	
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3105	438	settlement	ceramic	jar	4c	
3106	438	settlement	ceramic	jar	4c	
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3111	438	settlement	ceramic	jar	4c	
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3113	438	settlement	ceramic	jar	4c	
3114	438	settlement	ceramic	jar	4c	
3115	438	settlement	ceramic	jar	4c	
3116	438	settlement	ceramic	jar	4c	
3117	438	settlement	ceramic	jar	4c	
3118	438	settlement	ceramic	jar	4c	
3119	438	settlement	ceramic	jar	4c	
3120	438	settlement	ceramic	jar	4c	
3121	438	settlement	stone	pounding tool	4c	
3122	438	settlement	stone	pounding tool	4c	
3123	438	settlement	stone	pounding tool	4c	
3124	438	settlement	stone	handstone	4c	
3125	438	settlement	stone	handstone	4c	
3126	438	settlement	stone	pounding tool	4c	
3127	438	settlement	flint	cutting tool	4c	
3128	438	settlement	ceramic	vessel fragment	4c	
3129	438	settlement	ceramic	vessel fragment	4c	
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3136	438	settlement	ceramic	vessel fragment	4c	
3137	438	settlement	ceramic	platter	4c	
3138	438	settlement	ceramic	bowl	4c	
3139	438	settlement	ceramic	platter	4c	
3140	438	settlement	ceramic	platter	4c	
3141	438	settlement	ceramic	platter	4c	
3142	438	settlement	ceramic	platter	4c	
3143	438	settlement	ceramic	platter	4c	
3144	438	settlement	ceramic	platter	4c	
3145	438	settlement	ceramic	platter	4c	
3146	438	settlement	stone	handstone	4c	

3147	438	settlement	ceramic	vessel fragment	4c	
3148	438	settlement	ceramic	vessel fragment	4c	
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3159	438	settlement	ceramic	platter	4c	
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3164	438	settlement	ceramic	platter	4c	
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3166	438	settlement	stone	pounding tool	4c	
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3191	438	settlement	ceramic	jug	6	

3192	438	settlement	ceramic	jug	6	
3193	438	settlement	ceramic	jug	6	
3194	438	settlement	ceramic	jug	6	
3195	438	settlement	ceramic	platter	6	
3196	438	settlement	ceramic	jug	6	
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3212	438	settlement	ceramic	dopu	6	
3213	438	settlement	ceramic	platter	6	
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3215	438	settlement	ceramic	platter	6	
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3217	438	settlement	ceramic	dopu	6	
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3219	438	settlement	ceramic	platter	6	
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3224	438	settlement	ceramic	dopu	6	
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3231	438	settlement	ceramic	dopu	6	
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3236	438	settlement	flint	cutting tool	6	

3237	438	settlement	flint	cutting tool	6	
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3240	438	settlement	stone	pounding tool	6	
3241	438	settlement	stone	pounding tool	6	
3242	438	settlement	stone	handstone	6	
3243	438	settlement	stone	handstone	6	
3244	438	settlement	obsidian	cutting tool	6	
3245	438	settlement	ceramic	vessel fragment	6	
3246	438	settlement	ceramic	vessel fragment	6	
3247	438	settlement	ceramic	vessel fragment	6	
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3258	438	settlement	ceramic	jug	6	
3259	438	settlement	ceramic	jug	6	
3260	438	settlement	ceramic	dopu	6	
3261	438	settlement	ceramic	platter	6	
3262	438	settlement	ceramic	jug	6	
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3264	438	settlement	ceramic	jug	6	
3265	438	settlement	ceramic	dopu	6	
3266	438	settlement	ceramic	dopu	6	
3267	438	settlement	stone	handstone	6	
3268	438	settlement	stone	pounding tool	6	
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3270	438	settlement	stone	tool	6	
3271	438	settlement	flint	cutting tool	6	
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3308	438	settlement	flint	cutting tool	6	
3309	438	settlement	flint	cutting tool	6	
3310	438	settlement	obsidian	cutting tool	6	
3311	438	settlement	ceramic	potter's wheel	6	
3312	438	settlement	ceramic	vessel fragment	6	
3313	438	settlement	ceramic	vessel fragment	6	
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3318	438	settlement	ceramic	vessel fragment	6	
3319	438	settlement	ceramic	vessel fragment	6	
3320	438	settlement	ceramic	platter	6	
3321	438	settlement	ceramic	platter	6	
3322	438	settlement	ceramic	platter	6	
3323	438	settlement	ceramic	platter	6	
3324	438	settlement	ceramic	jar	6	
3325	438	settlement	ceramic	jug	6	
3326	438	settlement	ceramic	jug	6	



3327	438	settlement	ceramic	jug	6	
3328	438	settlement	ceramic	jug	6	
3329	438	settlement	ceramic	vessel fragment	6	
3330	438	settlement	ceramic	vessel fragment	6	
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3332	438	settlement	ceramic	vessel fragment	6	
3333	438	settlement	ceramic	vessel fragment	6	
3334	438	settlement	ceramic	vessel fragment	6	
3335	438	settlement	ceramic	jug	6	
3336	438	settlement	ceramic	jug	6	
3337	438	settlement	ceramic	jug	6	
3338	438	settlement	ceramic	jug	6	
3339	438	settlement	ceramic	vessel fragment	8	
3340	438	settlement	ceramic	vessel fragment	8	
3341	438	settlement	ceramic	vessel fragment	8	
3342	438	settlement	ceramic	vessel fragment	8	
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3347	438	settlement	ceramic	vessel fragment	8	
3348	438	settlement	ceramic	vessel fragment	8	
3349	438	settlement	ceramic	vessel fragment	8	
3350	438	settlement	ceramic	vessel fragment	8	
3351	438	settlement	ceramic	platter	8	
3352	438	settlement	ceramic	platter	8	
3353	438	settlement	ceramic	jug	8	
3354	438	settlement	ceramic	jug	8	
3355	438	settlement	ceramic	jug	8	
3356	438	settlement	ceramic	jug	8	
3357	438	settlement	ceramic	jug	8	
3358	438	settlement	ceramic	jug	8	
3359	438	settlement	ceramic	jug	8	
3360	438	settlement	ceramic	jug	8	
3361	438	settlement	ceramic	jug	8	
3362	438	settlement	ceramic	perforated object	8	plant tempered
3363	438	settlement	stone	pounding tool	8	
3364	438	settlement	stone	pounding tool	8	
3365	438	settlement	flint	cutting tool	8	
3366	438	settlement	obsidian	cutting tool	8	
3367	438	settlement	ceramic	vessel fragment	4b	
3368	438	settlement	ceramic	vessel fragment	4b	
3369	438	settlement	ceramic	vessel fragment	4b	
3370	438	settlement	ceramic	vessel fragment	4b	
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3372	438	settlement	ceramic	vessel fragment	4b	
3373	438	settlement	ceramic	vessel fragment	4b	
3374	438	settlement	stone	pounding tool	4b	
3375	438	settlement	flint	cutting tool	4b	
3376	438	settlement	ceramic	vessel fragment	4b	
3377	438	settlement	ceramic	vessel fragment	4b	
3378	438	settlement	ceramic	vessel fragment	4b	
3379	438	settlement	ceramic	vessel fragment	4b	
3380	438	settlement	ceramic	vessel fragment	4b	
3381	438	settlement	ceramic	vessel fragment	4b	
3382	438	settlement	ceramic	vessel fragment	4b	
3383	438	settlement	ceramic	vessel fragment	4b	
3384	438	settlement	ceramic	vessel fragment	4b	
3385	438	settlement	ceramic	vessel fragment	4b	
3386	438	settlement	ceramic	platter	4b	
3387	438	settlement	ceramic	platter	4b	
3388	438	settlement	ceramic	platter	4b	
3389	438	settlement	ceramic	platter	4b	
3390	438	settlement	ceramic	platter	4b	
3391	438	settlement	ceramic	platter	4b	
3392	438	settlement	ceramic	jug	4b	
3393	438	settlement	ceramic	jug	4b	
3394	438	settlement	ceramic	jug	4b	
3395	438	settlement	ceramic	jug	4b	
3396	438	settlement	ceramic	jug	4b	
3397	438	settlement	ceramic	jug	4b	
3398	438	settlement	ceramic	jug	4b	
3399	438	settlement	ceramic	jug	4b	
3400	438	settlement	ceramic	platter	4b	
3401	438	settlement	ceramic	platter	4b	
3402	438	settlement	ceramic	platter	4b	
3403	438	settlement	ceramic	platter	4b	
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3405	438	settlement	ceramic	jug	4b	tempered
3406	438	settlement	ceramic	jug	4b	tempered
3407	438	settlement	ceramic	jug	4b	tempered
3408	438	settlement	ceramic	jug	4b	tempered
3409	438	settlement	ceramic	platter	4b	tempered
3410	438	settlement	ceramic	platter	4b	tempered
3411	438	settlement	ceramic	platter	4b	tempered
3412	438	settlement	ceramic	platter	4b	tempered
3413	438	settlement	ceramic	jug	4b	tempered
3414	438	settlement	ceramic	jug	4b	tempered
3415	438	settlement	ceramic	jug	4b	tempered
3416	438	settlement	ceramic	jug	4b	tempered

3417	438	settlement	ceramic	jug	4b	tempered
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3419	438	settlement	ceramic	jug	4b	tempered
3420	438	settlement	ceramic	jug	4b	tempered
3421	438	settlement	flint	cutting tool	4b	
3422	438	settlement	flint	cutting tool	4b	
3423	438	settlement	flint	cutting tool	4b	
3424	438	settlement	flint	cutting tool	4b	
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3436	438	settlement	flint	cutting tool	4b	
3437	438	settlement	flint	cutting tool	4b	
3438	438	settlement	flint	cutting tool	4b	
3439	438	settlement	obsidian	cutting tool	4b	
3440	438	settlement	obsidian	cutting tool	4b	
3441	438	settlement	obsidian	cutting tool	4b	
3442	438	settlement	obsidian	cutting tool	4b	
3443	438	settlement	obsidian	cutting tool	4b	
3444	438	settlement	ceramic	vessel fragment	5	
3445	438	settlement	ceramic	vessel fragment	5	
3446	438	settlement	ceramic	vessel fragment	5	
3447	438	settlement	ceramic	vessel fragment	5	
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3454	438	settlement	ceramic	jug	5	
3455	438	settlement	ceramic	jug	5	
3456	438	settlement	ceramic	jug	5	
3457	438	settlement	ceramic	platter	5	
3458	438	settlement	ceramic	platter	5	
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3461	438	settlement	ceramic	platter	5	

3462	438	settlement	ceramic	platter	5	
3463	438	settlement	ceramic	platter	5	
3464	438	settlement	flint	cutting tool	5	
3465	438	settlement	flint	cutting tool	5	
3466	438	settlement	flint	cutting tool	5	
3467	438	settlement	flint	cutting tool	5	
3468	438	settlement	flint	cutting tool	5	
3469	438	settlement	flint	cutting tool	5	
3470	438	settlement	flint	cutting tool	5	
3471	438	settlement	ceramic	vessel fragment	4c	
3472	438	settlement	ceramic	vessel fragment	4c	
3473	438	settlement	ceramic	vessel fragment	4c	
3474	438	settlement	ceramic	vessel fragment	4c	
3475	438	settlement	ceramic	vessel fragment	4c	
3476	438	settlement	ceramic	platter	4c	
3477	438	settlement	ceramic	platter	4c	
3478	438	settlement	ceramic	platter	4c	
3479	438	settlement	ceramic	platter	4c	
3480	438	settlement	ceramic	jug	4c	
3481	438	settlement	ceramic	jug	4c	
3482	438	settlement	ceramic	jug	4c	
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3492	438	settlement	ceramic	jug	4c	
3493	438	settlement	ceramic	jug	4c	
3494	438	settlement	ceramic	jug	4c	
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3501	438	settlement	ceramic	platter	4c	
3502	438	settlement	ceramic	platter	4c	
3503	438	settlement	ceramic	jug	4c	
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3506	438	settlement	ceramic	jug	4c	

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3512	438	settlement	ceramic	jug	4c	
3513	438	settlement	ceramic	jug	4c	
3514	438	settlement	ceramic	jug	4c	
3515	438	settlement	ceramic	jug	4c	
3516	438	settlement	ceramic	jug	4c	
3517	438	settlement	ceramic	jug	4c	
3518	438	settlement	ceramic	jug	4c	
3519	438	settlement	ceramic	jug	4c	
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3528	438	settlement	ceramic	jug	4c	
3529	438	settlement	ceramic	jug	4c	
3530	438	settlement	ceramic	jug	4c	
3531	438	settlement	stone	grind stone	4c	
3532	438	settlement	stone	grind stone	4c	
3533	438	settlement	stone	handstone	4c	
3534	438	settlement	stone	pounding tool	4c	
3535	438	settlement	stone	handstone	4c	
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3545	438	settlement	flint	cutting tool	4c	
3546	438	settlement	flint	cutting tool	4c	
3547	438	settlement	flint	cutting tool	4c	
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3555	438	settlement	flint	cutting tool	4c	
3556	438	settlement	ceramic	vessel fragment	4c	
3557	438	settlement	ceramic	vessel fragment	4c	
3558	438	settlement	ceramic	vessel fragment	4c	
3559	438	settlement	ceramic	vessel fragment	4c	
3560	438	settlement	ceramic	vessel fragment	4c	
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3562	438	settlement	flint	cutting tool	4c	
3563	438	settlement	flint	cutting tool	4c	
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3571	438	settlement	ceramic	vessel fragment	4c	
3572	438	settlement	ceramic	vessel fragment	4c	
3573	438	settlement	ceramic	vessel fragment	4c	
3574	438	settlement	ceramic	jug	4c	
3575	438	settlement	ceramic	jug	4c	
3576	438	settlement	ceramic	jug	4c	
3577	438	settlement	ceramic	jug	4c	
3578	438	settlement	ceramic	platter	4c	
3579	438	settlement	ceramic	dopu	4c	
3580	438	settlement	ceramic	jug	4c	
3581	438	settlement	ceramic	jug	4c	
3582	438	settlement	ceramic	jug	4c	
3583	438	settlement	ceramic	platter	4c	
3584	438	settlement	ceramic	platter	4c	
3585	438	settlement	ceramic	jug	4c	
3586	438	settlement	ceramic	platter	4c	
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3595	438	settlement	ceramic	vessel fragment	4c	
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3599	438	settlement	ceramic	vessel fragment	4c	
3600	438	settlement	ceramic	perforated object	4c	plant tempered
3601	438	settlement	ceramic	vessel fragment	4c	
3602	438	settlement	ceramic	vessel fragment	4c	
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3613	438	settlement	flint	cutting tool	4c	
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3627	438	settlement	obsidian	cutting tool	4c	
3628	438	settlement	stone	quern	4c	
3629	438	settlement	ceramic	jug	4b	
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3631	438	settlement	ceramic	jug	4c	
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3633	438	settlement	ceramic	jug	4c	
3634	438	settlement	ceramic	jug	4c	
3635	438	settlement	ceramic	platter	4c	
3636	438	settlement	ceramic	jug	4c	
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3642	438	settlement	ceramic	jug	4c	
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3653	438	settlement	flint	cutting tool	4c	
3654	438	settlement	stone	handstone	4c	
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3673	438	settlement	ceramic	jug	4c	
3674	438	settlement	ceramic	platter	4c	
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3686	438	settlement	ceramic	platter	4c	



3687	438	settlement	ceramic	platter	4c	
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3690	438	settlement	ceramic	platter	4c	
3691	438	settlement	ceramic	platter	5	
3692	438	settlement	ceramic	platter	5	
3693	438	settlement	ceramic	platter	5	
3694	438	settlement	ceramic	platter	5	
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3722	438	settlement	flint	cutting tool	5	
3723	438	settlement	flint	cutting tool	5	
3724	438	settlement	obsidian	cutting tool	5	
3725	438	settlement	stone	pounding tool	5	
3726	438	settlement	stone	pounding tool	5	
3727	438	settlement	ceramic	vessel fragment	7	
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3729	438	settlement	ceramic	vessel fragment	7	
3730	438	settlement	ceramic	jug	7	
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3736	438	settlement	ceramic	jug	7	
3737	438	settlement	flint	cutting tool	4c	
3738	438	settlement	flint	cutting tool	4c	
3739	438	settlement	ceramic	kuza	4c	
3740	438	settlement	ceramic	vessel fragment	4c	
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3758	438	settlement	ceramic	jug	4c	
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3761	438	settlement	ceramic	dopu	4c	
3762	438	settlement	ceramic	dopu	4c	
3763	438	settlement	ceramic	dopu	4c	
3764	438	settlement	ceramic	dopu	4c	
3765	438	settlement	ceramic	dopu	4c	
3766	438	settlement	ceramic	dopu	4c	
3767	438	settlement	ceramic	dopu	4c	
3768	438	settlement	ceramic	dopu	4c	
3769	438	settlement	ceramic	dopu	4c	
3770	438	settlement	flint	cutting tool	4c	
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3775	438	settlement	flint	cutting tool	4c	
3776	438	settlement	flint	cutting tool	4c	

3777	438	settlement	flint	cutting tool	4c	
3778	438	settlement	flint	cutting tool	4c	
3779	438	settlement	flint	cutting tool	4c	
3780	438	settlement	flint	cutting tool	4c	
3781	438	settlement	flint	cutting tool	4c	
3782	438	settlement	flint	cutting tool	4c	
3783	438	settlement	ceramic	vessel fragment	1a	
3784	438	settlement	ceramic	platter	1a	
3785	438	settlement	ceramic	platter	1a	
3786	438	settlement	stone	pounding tool	1a	
3787	438	settlement	flint	cutting tool	1a	
3788	438	settlement	flint	cutting tool	1a	
3789	438	settlement	flint	cutting tool	1a	
3790	438	settlement	flint	cutting tool	1a	
3791	438	settlement	ceramic	platter	7	
3792	438	settlement	ceramic	platter	7	
3793	438	settlement	ceramic	platter	7	
3794	438	settlement	ceramic	jug	7	
3795	438	settlement	ceramic	jug	7	
3796	438	settlement	ceramic	jug	7	
3797	438	settlement	ceramic	jug	7	
3798	438	settlement	ceramic	jug	7	
3799	438	settlement	ceramic	jug	7	
3800	438	settlement	ceramic	perforated object	7	plant tempered
3801	438	settlement	ceramic	vessel fragment	7	
3802	438	settlement	ceramic	vessel fragment	7	
3803	438	settlement	ceramic	vessel fragment	7	
3804	438	settlement	ceramic	vessel fragment	7	
3805	438	settlement	ceramic	vessel fragment	7	
3806	438	settlement	ceramic	vessel fragment	7	
3807	438	settlement	ceramic	vessel fragment	7	
3808	438	settlement	ceramic	vessel fragment	7	
3809	438	settlement	flint	cutting tool	7	
3810	438	settlement	flint	cutting tool	7	
3811	438	settlement	flint	cutting tool	7	
3812	438	settlement	flint	cutting tool	7	
3813	438	settlement	obsidian	cutting tool	7	
3814	438	settlement	obsidian	cutting tool	7	
3815	438	settlement	obsidian	cutting tool	7	
3816	438	settlement	stone	pounding tool	7	
3817	438	settlement	stone	quern	7	
3818	438	settlement	stone	tool	7	
3819	438	settlement	ceramic	vessel fragment	7	
3820	438	settlement	ceramic	vessel fragment	7	
3821	438	settlement	ceramic	vessel fragment	7	

3822	438	settlement	ceramic	vessel fragment	7	
3823	438	settlement	ceramic	vessel fragment	7	
3824	438	settlement	ceramic	vessel fragment	7	
3825	438	settlement	ceramic	vessel fragment	7	
3826	438	settlement	ceramic	jug	7	
3827	438	settlement	ceramic	jug	7	
3828	438	settlement	ceramic	jug	7	
3829	438	settlement	ceramic	jug	7	
3830	438	settlement	ceramic	jug	7	
3831	438	settlement	ceramic	jug	7	
3832	438	settlement	ceramic	jug	7	
3833	438	settlement	flint	cutting tool	7	
3834	438	settlement	flint	cutting tool	7	
3835	438	settlement	flint	cutting tool	7	
3836	438	settlement	flint	cutting tool	7	
3837	438	settlement	flint	cutting tool	7	
3838	438	settlement	flint	cutting tool	7	
3839	438	settlement	obsidian	cutting tool	7	
3840	438	settlement	stone	pounding tool	7	
3841	438	settlement	ceramic	vessel fragment	7	
3842	438	settlement	ceramic	vessel fragment	7	
3843	438	settlement	ceramic	vessel fragment	7	
3844	438	settlement	ceramic	vessel fragment	7	
3845	438	settlement	ceramic	vessel fragment	7	
3846	438	settlement	ceramic	vessel fragment	7	
3847	438	settlement	ceramic	vessel fragment	7	
3848	438	settlement	ceramic	vessel fragment	7	
3849	438	settlement	ceramic	vessel fragment	7	
3850	438	settlement	ceramic	perforated object	7	plant tempered
3851	438	settlement	ceramic	jug	7	
3852	438	settlement	ceramic	jug	7	
3853	438	settlement	ceramic	jug	7	
3854	438	settlement	ceramic	jug	7	
3855	438	settlement	ceramic	jug	7	
3856	438	settlement	ceramic	jug	7	
3857	438	settlement	ceramic	jug	7	
3858	438	settlement	ceramic	platter	7	
3859	438	settlement	ceramic	platter	7	
3860	438	settlement	ceramic	platter	7	
3861	438	settlement	ceramic	platter	7	
3862	438	settlement	ceramic	platter	7	
3863	438	settlement	ceramic	platter	7	
3864	438	settlement	ceramic	platter	7	
3865	438	settlement	ceramic	platter	7	
3866	438	settlement	ceramic	platter	7	

3867	438	settlement	ceramic	platter	7	
3868	438	settlement	ceramic	platter	7	
3869	438	settlement	ceramic	perforated object	7	plant tempered
3870	438	settlement	flint	cutting tool	7	
3871	438	settlement	flint	cutting tool	7	
3872	438	settlement	flint	cutting tool	7	
3873	438	settlement	flint	cutting tool	7	
3874	438	settlement	obsidian	cutting tool	7	
3875	438	settlement	obsidian	cutting tool	7	
3876	438	settlement	obsidian	cutting tool	7	
3877	438	settlement	obsidian	cutting tool	7	
3878	438	settlement	stone	pounding tool	7	
3879	438	settlement	stone	pounding tool	7	
3880	438	settlement	ceramic	vessel fragment	7	
3881	438	settlement	ceramic	vessel fragment	7	
3882	438	settlement	ceramic	vessel fragment	7	
3883	438	settlement	ceramic	vessel fragment	7	
3884	438	settlement	ceramic	vessel fragment	7	
3885	438	settlement	ceramic	vessel fragment	7	
3886	438	settlement	ceramic	vessel fragment	7	
3887	438	settlement	ceramic	vessel fragment	7	
3888	438	settlement	ceramic	vessel fragment	7	
3889	438	settlement	ceramic	vessel fragment	7	
3890	438	settlement	ceramic	vessel fragment	7	
3891	438	settlement	ceramic	vessel fragment	7	
3892	438	settlement	ceramic	vessel fragment	7	
3893	438	settlement	ceramic	vessel fragment	7	
3894	438	settlement	ceramic	vessel fragment	7	
3895	438	settlement	ceramic	vessel fragment	7	
3896	438	settlement	ceramic	vessel fragment	7	
3897	438	settlement	ceramic	vessel fragment	7	
3898	438	settlement	ceramic	platter	7	
3899	438	settlement	ceramic	platter	7	
3900	438	settlement	ceramic	jug	7	
3901	438	settlement	ceramic	jug	7	
3902	438	settlement	ceramic	jug	7	
3903	438	settlement	stone	tool	7	
3904	438	settlement	flint	cutting tool	7	
3905	438	settlement	flint	cutting tool	7	
3906	438	settlement	flint	cutting tool	7	
3907	438	settlement	flint	cutting tool	7	
3908	438	settlement	flint	cutting tool	7	
3909	438	settlement	flint	cutting tool	7	
3910	438	settlement	flint	cutting tool	7	
3911	438	settlement	ceramic	vessel fragment	7	

3912	438	settlement	ceramic	vessel fragment	7	
3913	438	settlement	ceramic	vessel fragment	7	
3914	438	settlement	ceramic	vessel fragment	7	
3915	438	settlement	ceramic	vessel fragment	7	
3916	438	settlement	ceramic	vessel fragment	7	
3917	438	settlement	ceramic	vessel fragment	7	
3918	438	settlement	ceramic	vessel fragment	7	
3919	438	settlement	ceramic	vessel fragment	7	
3920	438	settlement	ceramic	vessel fragment	7	
3921	438	settlement	ceramic	vessel fragment	7	
3922	438	settlement	ceramic	vessel fragment	7	
3923	438	settlement	ceramic	vessel fragment	7	
3924	438	settlement	ceramic	vessel fragment	7	
3925	438	settlement	ceramic	vessel fragment	7	
3926	438	settlement	ceramic	vessel fragment	7	
3927	438	settlement	ceramic	vessel fragment	7	
3928	438	settlement	ceramic	vessel fragment	7	
3929	438	settlement	ceramic	vessel fragment	7	
3930	438	settlement	ceramic	vessel fragment	7	
3931	438	settlement	ceramic	vessel fragment	7	
3932	438	settlement	ceramic	vessel fragment	7	
3933	438	settlement	ceramic	vessel fragment	7	
3934	438	settlement	ceramic	vessel fragment	7	
3935	438	settlement	ceramic	vessel fragment	7	
3936	438	settlement	ceramic	vessel fragment	7	
3937	438	settlement	ceramic	vessel fragment	7	
3938	438	settlement	ceramic	vessel fragment	7	
3939	438	settlement	ceramic	platter	7	
3940	438	settlement	ceramic	platter	7	
3941	438	settlement	ceramic	platter	7	
3942	438	settlement	ceramic	platter	7	
3943	438	settlement	ceramic	platter	7	
3944	438	settlement	ceramic	platter	7	
3945	438	settlement	ceramic	platter	7	
3946	438	settlement	ceramic	platter	7	
3947	438	settlement	ceramic	platter	7	
3948	438	settlement	ceramic	platter	7	
3949	438	settlement	ceramic	platter	7	
3950	438	settlement	flint	cutting tool	7	
3951	438	settlement	flint	cutting tool	7	
3952	438	settlement	flint	cutting tool	7	
3953	438	settlement	flint	cutting tool	7	
3954	438	settlement	flint	cutting tool	7	
3955	438	settlement	flint	cutting tool	7	
3956	438	settlement	obsidian	cutting tool	7	

3957	438	settlement	obsidian	cutting tool	7	
3958	438	settlement	ceramic	vessel fragment	4b	
3959	438	settlement	ceramic	vessel fragment	4b	
3960	438	settlement	ceramic	vessel fragment	4b	
3961	438	settlement	ceramic	vessel fragment	4b	
3962	438	settlement	ceramic	vessel fragment	4b	
3963	438	settlement	ceramic	vessel fragment	4b	
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3965	438	settlement	ceramic	vessel fragment	4b	
3966	438	settlement	ceramic	vessel fragment	4b	
3967	438	settlement	ceramic	vessel fragment	4b	
3968	438	settlement	ceramic	vessel fragment	4b	
3969	438	settlement	ceramic	vessel fragment	4b	
3970	438	settlement	ceramic	vessel fragment	4b	
3971	438	settlement	ceramic	vessel fragment	4b	
3972	438	settlement	ceramic	vessel fragment	4b	
3973	438	settlement	ceramic	vessel fragment	4b	
3974	438	settlement	ceramic	vessel fragment	4b	
3975	438	settlement	ceramic	vessel fragment	4b	
3976	438	settlement	ceramic	vessel fragment	4b	
3977	438	settlement	ceramic	vessel fragment	4b	
3978	438	settlement	ceramic	vessel fragment	4b	
3979	438	settlement	ceramic	platter	4b	
3980	438	settlement	ceramic	platter	4b	
3981	438	settlement	ceramic	platter	4b	
3982	438	settlement	ceramic	platter	4b	
3983	438	settlement	ceramic	platter	4b	
3984	438	settlement	ceramic	platter	4b	
3985	438	settlement	ceramic	platter	4b	
3986	438	settlement	ceramic	platter	4b	
3987	438	settlement	ceramic	platter	4b	
3988	438	settlement	ceramic	platter	4b	
3989	438	settlement	ceramic	platter	4b	
3990	438	settlement	ceramic	platter	4b	
3991	438	settlement	ceramic	platter	4b	
3992	438	settlement	ceramic	platter	4b	
3993	438	settlement	ceramic	platter	4b	
3994	438	settlement	ceramic	platter	4b	
3995	438	settlement	ceramic	platter	4b	
3996	438	settlement	ceramic	platter	4b	
3997	438	settlement	ceramic	platter	4b	
3998	438	settlement	ceramic	platter	4b	
3999	438	settlement	ceramic	platter	4b	
4000	438	settlement	ceramic	vessel fragment	4b	
4001	438	settlement	ceramic	vessel fragment	4b	

4002	438	settlement	ceramic	jug	4b	
4003	438	settlement	ceramic	platter	4b	tempered
4004	438	settlement	ceramic	platter	4b	tempered
4005	438	settlement	ceramic	platter	4b	tempered
4006	438	settlement	ceramic	platter	4b	tempered
4007	438	settlement	ceramic	platter	4b	tempered
4008	438	settlement	ceramic	platter	4b	tempered
4009	438	settlement	ceramic	platter	4b	tempered
4010	438	settlement	ceramic	platter	4b	tempered
4011	438	settlement	ceramic	platter	4b	tempered
4012	438	settlement	ceramic	vessel fragment	4b	tempered
4013	438	settlement	ceramic	vessel fragment	4b	tempered
4014	438	settlement	ceramic	vessel fragment	4b	tempered
4015	438	settlement	ceramic	vessel fragment	4b	tempered
4016	438	settlement	ceramic	vessel fragment	4b	tempered
4017	438	settlement	ceramic	vessel fragment	4b	tempered
4018	438	settlement	ceramic	vessel fragment	4b	tempered
4019	438	settlement	ceramic	vessel fragment	4b	tempered
4020	438	settlement	ceramic	vessel fragment	4b	tempered
4021	438	settlement	ceramic	vessel fragment	4b	tempered
4022	438	settlement	stone	handstone	4b	
4023	438	settlement	stone	pounding tool	4b	
4024	438	settlement	stone	pounding tool	4b	
4025	438	settlement	stone	pounding tool	4b	
4026	438	settlement	flint	cutting tool	4b	
4027	438	settlement	flint	cutting tool	4b	
4028	438	settlement	flint	cutting tool	4b	
4029	438	settlement	flint	cutting tool	4b	
4030	438	settlement	flint	cutting tool	4b	
4031	438	settlement	flint	cutting tool	4b	
4032	438	settlement	flint	cutting tool	4b	
4033	438	settlement	flint	cutting tool	4b	
4034	438	settlement	flint	cutting tool	4b	
4035	438	settlement	flint	cutting tool	4b	
4036	438	settlement	flint	cutting tool	4b	
4037	438	settlement	flint	cutting tool	4b	
4038	438	settlement	flint	cutting tool	4b	
4039	438	settlement	obsidian	cutting tool	4b	
4040	438	settlement	ceramic	vessel fragment	new site	untempered
4041	438	settlement	ceramic	vessel fragment	new site	untempered
4042	438	settlement	ceramic	vessel fragment	new site	untempered
4043	438	settlement	ceramic	vessel fragment	new site	untempered
4044	438	settlement	ceramic	vessel fragment	new site	untempered
4045	438	settlement	ceramic	vessel fragment	new site	untempered
4046	438	settlement	ceramic	vessel fragment	new site	untempered



4047	438	settlement	ceramic	vessel fragment	new site	untempered
4048	438	settlement	ceramic	vessel fragment	new site	untempered
4049	438	settlement	ceramic	vessel fragment	new site	untempered
4050	438	settlement	stone	pounding tool	new site	untempered
4051	438	settlement	stone	pounding tool	new site	untempered
4052	438	settlement	ceramic	vessel fragment	new site	untempered
4053	438	settlement	ceramic	vessel fragment	new site	untempered
4054	438	settlement	ceramic	vessel fragment	new site	untempered
4055	438	settlement	ceramic	vessel fragment	new site	untempered
4056	438	settlement	ceramic	vessel fragment	new site	untempered
4057	438	settlement	ceramic	vessel fragment	new site	untempered
4058	438	settlement	ceramic	vessel fragment	new site	untempered
4059	438	settlement	ceramic	vessel fragment	new site	untempered
4060	438	settlement	ceramic	vessel fragment	new site	untempered
4061	438	settlement	ceramic	vessel fragment	new site	untempered
4062	438	settlement	ceramic	vessel fragment	new site	untempered
4063	438	settlement	ceramic	vessel fragment	new site	untempered
4064	438	settlement	flint	cutting tool	new site	
4065	438	settlement	obsidian	cutting tool	new site	
4066	438	settlement	ceramic	vessel fragment	new site	
4067	438	settlement	ceramic	vessel fragment	new site	
4068	438	settlement	obsidian	cutting tool	new site	
4069	438	settlement	ceramic	vessel fragment	4b	
4070	438	settlement	ceramic	vessel fragment	4b	
4071	438	settlement	ceramic	vessel fragment	4b	
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4074	438	settlement	ceramic	vessel fragment	4b	
4075	438	settlement	ceramic	vessel fragment	4b	
4076	438	settlement	ceramic	vessel fragment	4b	
4077	438	settlement	ceramic	vessel fragment	4b	
4078	438	settlement	ceramic	vessel fragment	4b	
4079	438	settlement	ceramic	platter	4b	
4080	438	settlement	ceramic	platter	4b	
4081	438	settlement	ceramic	platter	4b	
4082	438	settlement	ceramic	platter	4b	
4083	438	settlement	ceramic	platter	4b	
4084	438	settlement	ceramic	platter	4b	
4085	438	settlement	ceramic	platter	4b	
4086	438	settlement	ceramic	platter	4b	
4087	438	settlement	ceramic	platter	4b	
4088	438	settlement	stone	pounding tool	4b	
4089	438	settlement	flint	cutting tool	4b	
4090	438	settlement	flint	cutting tool	4b	
4091	438	settlement	flint	cutting tool	4b	

4092	438	settlement	flint	cutting tool	4b	
4093	438	settlement	flint	cutting tool	4b	
4094	438	settlement	flint	cutting tool	4b	
4095	438	settlement	flint	cutting tool	4b	
4096	438	settlement	flint	cutting tool	4b	
4097	438	settlement	flint	cutting tool	4b	
4098	438	settlement	flint	cutting tool	4b	
4099	438	settlement	flint	cutting tool	4b	
4100	438	settlement	bone	awl	4b	
4101	438	settlement	ceramic	vessel fragment	4c	
4102	438	settlement	ceramic	vessel fragment	4c	
4103	438	settlement	ceramic	vessel fragment	4c	
4104	438	settlement	ceramic	vessel fragment	4c	
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4110	438	settlement	ceramic	vessel fragment	4c	
4111	438	settlement	ceramic	vessel fragment	4c	
4112	438	settlement	ceramic	vessel fragment	4c	
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4114	438	settlement	ceramic	vessel fragment	4c	
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4118	438	settlement	ceramic	vessel fragment	4c	
4119	438	settlement	ceramic	vessel fragment	4c	
4120	438	settlement	ceramic	jar	4c	
4121	438	settlement	ceramic	platter	4c	
4122	438	settlement	ceramic	platter	4c	
4123	438	settlement	ceramic	platter	4c	
4124	438	settlement	ceramic	platter	4c	
4125	438	settlement	ceramic	jug	4c	
4126	438	settlement	ceramic	jug	4c	
4127	438	settlement	ceramic	jug	4c	
4128	438	settlement	ceramic	jug	4c	
4129	438	settlement	ceramic	jug	4c	
4130	438	settlement	ceramic	jug	4c	
4131	438	settlement	ceramic	jug	4c	
4132	438	settlement	ceramic	jug	4c	
4133	438	settlement	ceramic	jug	4c	
4134	438	settlement	ceramic	jug	4c	
4135	438	settlement	stone	pounding tool	4c	
4136	438	settlement	stone	pounding tool	4c	

4137	438	settlement	flint	cutting tool	4c	
4138	438	settlement	flint	cutting tool	4c	
4139	438	settlement	flint	cutting tool	4c	
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4141	438	settlement	flint	cutting tool	4c	
4142	438	settlement	flint	cutting tool	4c	
4143	438	settlement	obsidian	cutting tool	4c	
4144	438	settlement	obsidian	cutting tool	4c	
4145	438	settlement	ceramic	vessel fragment	new site	untempered
4146	438	settlement	ceramic	vessel fragment	new site	untempered
4147	438	settlement	ceramic	vessel fragment	new site	untempered
4148	438	settlement	ceramic	vessel fragment	new site	untempered
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4150	438	settlement	ceramic	vessel fragment	new site	untempered
4151	438	settlement	ceramic	vessel fragment	new site	untempered
4152	438	settlement	ceramic	vessel fragment	new site	untempered
4153	438	settlement	ceramic	vessel fragment	new site	untempered
4154	438	settlement	ceramic	vessel fragment	new site	untempered
4155	438	settlement	ceramic	jug	new site	untempered
4156	438	settlement	ceramic	jug	new site	untempered
4157	438	settlement	ceramic	jug	new site	untempered
4158	438	settlement	ceramic	jug	new site	untempered
4159	438	settlement	ceramic	jug	new site	untempered
4160	438	settlement	ceramic	jug	new site	untempered
4161	438	settlement	ceramic	jug	new site	untempered
4162	438	settlement	ceramic	jug	new site	untempered
4163	438	settlement	ceramic	perforated object	new site	untempered
4164	438	settlement	ceramic	jug	new site	untempered
4165	438	settlement	ceramic	jug	new site	untempered
4166	438	settlement	ceramic	jar	new site	untempered
4167	438	settlement	ceramic	jar	new site	untempered
4168	438	settlement	ceramic	jar	new site	untempered
4169	438	settlement	ceramic	platter	new site	untempered
4170	438	settlement	ceramic	platter	new site	untempered
4171	438	settlement	ceramic	platter	new site	untempered
4172	438	settlement	ceramic	platter	new site	untempered
4173	438	settlement	ceramic	platter	new site	untempered
4174	438	settlement	ceramic	platter	new site	untempered
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4176	438	settlement	ceramic	platter	new site	untempered
4177	438	settlement	ceramic	platter	new site	untempered
4178	438	settlement	ceramic	platter	new site	untempered
4179	438	settlement	ceramic	platter	new site	untempered
4180	438	settlement	ceramic	platter	new site	untempered
4181	438	settlement	stone	pounding tool	new site	

4182	438	settlement	stone	pounding tool	new site	
4183	438	settlement	stone	pounding tool	new site	
4184	438	settlement	stone	pounding tool	new site	
4185	438	settlement	flint	cutting tool	new site	
4186	438	settlement	flint	cutting tool	new site	
4187	438	settlement	flint	cutting tool	new site	
4188	438	settlement	flint	cutting tool	new site	
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4193	438	settlement	flint	cutting tool	new site	
4194	438	settlement	stone	cutting tool	new site	
4195	438	settlement	stone	nucleus	new site	
4196	438	settlement	ceramic	vessel fragment	new site	
4197	438	settlement	ceramic	vessel fragment	new site	
4198	438	settlement	ceramic	vessel fragment	new site	
4199	438	settlement	ceramic	vessel fragment	new site	
4200	438	settlement	stone	tool	new site	
4201	438	settlement	ceramic	platter	jar grave	
4202	438	settlement	ceramic	jar	jar grave	
4203	438	settlement	ceramic	jug	jar grave	
4204	438	settlement	ceramic	jug	jar grave	
4205	438	settlement	ceramic	platter	jar grave	
4206	438	settlement	ceramic	vessel fragment	jar grave	
4207	438	settlement	ceramic	jug	jar grave	
4208	438	settlement	ceramic	platter	jar grave	
4209	438	settlement	ceramic	vessel fragment	2	
4210	438	settlement	flint	cutting tool	1, 2,3	
4211	438	settlement	flint	cutting tool	1, 2,3	
4212	438	settlement	flint	cutting tool	1, 2,3	
4213	438	settlement	obsidian	cutting tool	1, 2,3	
4214	438	settlement	obsidian	cutting tool	1, 2,3	
4215	438	settlement	flint	cutting tool	1,2,3	
4216	438	settlement	flint	cutting tool	1, 2,3	
4217	438	settlement	flint	cutting tool	1, 2,3	
4218	438	settlement	obsidian	cutting tool	1, 2,3	
4219	438	settlement	obsidian	cutting tool	1, 2,3	
4220	438	settlement	ceramic	vessel fragment	1, 2,3	
4221	438	settlement	flint	cutting tool	4	
4222	438	settlement	flint	cutting tool	4	
4223	438	settlement	flint	cutting tool	4	
4224	438	settlement	flint	cutting tool	4	
4225	438	settlement	flint	cutting tool	4	
4226	438	settlement	obsidian	cutting tool	4	

4227	438	settlement	obsidian	cutting tool	4	
4228	438	settlement	obsidian	cutting tool	4	
4229	438	settlement	obsidian	cutting tool	4	
4230	438	settlement	obsidian	cutting tool	4	
4231	438	settlement	obsidian	cutting tool	4	
4232	438	settlement	ceramic	vessel fragment	4	
4233	438	settlement	flint	cutting tool	6	
4234	438	settlement	flint	cutting tool	6	
4235	438	settlement	flint	cutting tool	6	
4236	438	settlement	flint	cutting tool	6	
4237	438	settlement	flint	cutting tool	6	
4238	438	settlement	flint	cutting tool	6	
4239	438	settlement	obsidian	cutting tool	6	
4240	438	settlement	obsidian	cutting tool	6	
4241	438	settlement	obsidian	cutting tool	6	
4242	438	settlement	obsidian	cutting tool	6	
4243	438	settlement	obsidian	cutting tool	6	
4244	438	settlement	obsidian	cutting tool	Excavation Site I	both sides well serrated
4245	438	settlement	obsidian	cutting tool	Excavation Site I	both sides well serrated
4246	438	settlement	obsidian	cutting tool	Excavation Site I	both sides well serrated
4247	438	settlement	obsidian	cutting tool	Excavation Site I	both sides well serrated
4248	438	settlement	flint	cutting tool	Excavation Site I	both sides well serrated
4249	438	settlement	flint	cutting tool	Excavation Site I	both sides well serrated
4250	438	settlement	flint	cutting tool	Excavation Site I	both sides well serrated
4251	438	settlement	obsidian	cutting tool	Excavation Site I	both sides well serrated
4252	438	settlement	obsidian	cutting tool	Excavation Site I	both sides well serrated
4253	438	settlement	obsidian	cutting tool	Excavation Site I	both sides well serrated
4254	438	settlement	obsidian	cutting tool	Excavation Site I	both sides well serrated
4255	438	settlement	obsidian	cutting tool	Excavation Site I	both sides well serrated
4256	438	settlement	obsidian	cutting tool	Excavation Site I	both sides well serrated
4257	438	settlement	obsidian	cutting tool	Excavation Site I	both sides well serrated
4258	438	settlement	ceramic	platter	Excavation Site I	
4259	438	settlement	ceramic	platter	Excavation Site I	
4260	438	settlement	ceramic	platter	Excavation Site I	
4261	438	settlement	ceramic	jug	Excavation Site I	
4262	438	settlement	bone	figure	8	Room 3 entrance
4263	438	settlement	bone	awl	4c	
4264	438	settlement	bone	awl	7d	
4265	438	settlement	bone	awl	6d	
4266	438	settlement	bone	awl	7	
4267	438	settlement	bone	awl	4c	
4268	438	settlement	bone	awl	4b	
4269	438	settlement	bone	awl	7	
4270	438	settlement	bone	awl	8	
4271	438	settlement	bone	awl	7	

## Excavation Site II

No.	KP	Type of site	Material	Find	Quadrat Number	Comment
1	438	settlement	ceramic	vessel fragment	7c	
2	438	settlement	ceramic	vessel fragment	7c	
3	438	settlement	ceramic	platter	7c	
4	438	settlement	ceramic	vessel fragment	7d	
5	438	settlement	ceramic	vessel fragment	7d	
6	438	settlement	ceramic	platter	7d	
7	438	settlement	ceramic	vessel fragment	7d	
8	438	settlement	ceramic	vessel fragment	7d	
9	438	settlement	stone	pounding tool	7d	
10	438	settlement	flint	cutting tool	7d	
11	438	settlement	obsidian	cutting tool	7d	
12	438	settlement	ceramic	vessel fragment	8d	grit tempered
13	438	settlement	ceramic	vessel fragment	8d	grit tempered
14	438	settlement	ceramic	vessel fragment	8d	grit tempered
15	438	settlement	ceramic	vessel fragment	8d	grit tempered
16	438	settlement	ceramic	vessel fragment	8d	grit tempered
17	438	settlement	ceramic	vessel fragment	8d	grit tempered
18	438	settlement	flint	cutting tool	8d	
19	438	settlement	ceramic	vessel fragment	7e	
20	438	settlement	ceramic	vessel fragment	7e	
21	438	settlement	ceramic	vessel fragment	7e	
22	438	settlement	ceramic	vessel fragment	7e	
23	438	settlement	stone	handstone	7e	
24	438	settlement	stone	pounding tool	7e	possibly worked
25	438	settlement	stone	pounding tool	7e	possibly worked
26	438	settlement	stone	slingshot	7e	
27	438	settlement	ceramic	vessel fragment	7e	
28	438	settlement	ceramic	vessel fragment	8e	
29	438	settlement	ceramic	vessel fragment	8e	
30	438	settlement	ceramic	vessel fragment	8e	
31	438	settlement	ceramic	vessel fragment	8e	
32	438	settlement	ceramic	vessel fragment	8e	
33	438	settlement	ceramic	vessel fragment	8e	
34	438	settlement	ceramic	vessel fragment	8e	
35	438	settlement	flint	cutting tool	8e	
36	438	settlement	ceramic	vessel fragment	8c	
37	438	settlement	ceramic	vessel fragment	8c	
38	438	settlement	ceramic	vessel fragment	8c	
39	438	settlement	stone	pounding tool	8c	
40	438	settlement	flint	cutting tool	8c	
41	438	settlement	flint	cutting tool	8c	
42	438	settlement	obsidian	cutting tool	8c	

43	438	settlement	ceramic	vessel fragment	9c	
44	438	settlement	ceramic	spindle whorl	9c	
45	438	settlement	flint	cutting tool	9c	
46	438	settlement	obsidian	cutting tool	9c	
47	438	settlement	obsidian	cutting tool	9c	
48	438	settlement	ceramic	vessel fragment	9e	
49	438	settlement	ceramic	vessel fragment	9e	
50	438	settlement	stone	slingshot	9e	
51	438	settlement	flint	cutting tool	9e	
52	438	settlement	flint	cutting tool	9e	
53	438	settlement	flint	cutting tool	9e	
54	438	settlement	obsidian	cutting tool	9e	
55	438	settlement	ceramic	vessel fragment	9d	
56	438	settlement	ceramic	vessel fragment	9d	
57	438	settlement	ceramic	vessel fragment	9d	
58	438	settlement	ceramic	vessel fragment	9d	
59	438	settlement	flint	cutting tool	9d	
60	438	settlement	flint	cutting tool	9d	
61	438	settlement	flint	cutting tool	9d	
62	438	settlement	flint	cutting tool	9d	
63	438	settlement	obsidian	cutting tool	9d	
64	438	settlement	ceramic	vessel fragment	7c	
65	438	settlement	ceramic	vessel fragment	7c	
66	438	settlement	ceramic	vessel fragment	7c	
67	438	settlement	flint	cutting tool	7c	
68	438	settlement	flint	cutting tool	7c	
69	438	settlement	ceramic	vessel fragment	7d	
70	438	settlement	ceramic	vessel fragment	7e	
71	438	settlement	ceramic	vessel fragment	7e	
72	438	settlement	flint	cutting tool	7e	
73	438	settlement	ceramic	vessel fragment	8e	
74	438	settlement	ceramic	vessel fragment	8e	
75	438	settlement	ceramic	vessel fragment	8e	
76	438	settlement	flint	cutting tool	8e	
77	438	settlement	flint	cutting tool	8e	
78	438	settlement	flint	cutting tool	8e	
79	438	settlement	obsidian	cutting tool	8e	
80	438	settlement	ceramic	vessel fragment	8d	
81	438	settlement	ceramic	vessel fragment	8d	
82	438	settlement	flint	cutting tool	8d	
83	438	settlement	flint	cutting tool	8d	
84	438	settlement	obsidian	cutting tool	8d	
85	438	settlement	ceramic	vessel fragment	9d	
86	438	settlement	flint	cutting tool	9d	
87	438	settlement	ceramic	vessel fragment	9c	

88	438	settlement	ceramic	vessel fragment	9e	
89	438	settlement	ceramic	vessel fragment	9e	
90	438	settlement	ceramic	vessel fragment	9e	
91	438	settlement	ceramic	vessel fragment	9e	
92	438	settlement	ceramic	vessel fragment	7e	
93	438	settlement	ceramic	vessel fragment	7e	
94	438	settlement	ceramic	vessel fragment	7e	
95	438	settlement	flint	cutting tool	7e	
96	438	settlement	flint	cutting tool	7e	
97	438	settlement	ceramic	vessel fragment	9e	
98	438	settlement	obsidian	cutting tool	9e	
99	438	settlement	ceramic	vessel fragment	7d	
100	438	settlement	flint	cutting tool	7d	
101	438	settlement	ceramic	vessel fragment	8e	
102	438	settlement	ceramic	vessel fragment	8e	
103	438	settlement	ceramic	vessel fragment	8e	
104	438	settlement	ceramic	vessel fragment	8e	
105	438	settlement	ceramic	vessel fragment	8e	
106	438	settlement	ceramic	vessel fragment	8e	
107	438	settlement	ceramic	vessel fragment	8e	
108	438	settlement	ceramic	vessel fragment	9e	
109	438	settlement	ceramic	vessel fragment	9e	
110	438	settlement	ceramic	vessel fragment	9e	
111	438	settlement	flint	cutting tool	9e	
112	438	settlement	flint	cutting tool	7c	
113	438	settlement	ceramic	vessel fragment	7c	
114	438	settlement	stone	slingshot	7c	
115	438	settlement	ceramic	vessel fragment	7e	
116	438	settlement	ceramic	vessel fragment	7d	
117	438	settlement	flint	cutting tool	7d	
118	438	settlement	ceramic	vessel fragment	7d	
119	438	settlement	ceramic	vessel fragment	7d	
120	438	settlement	ceramic	vessel fragment	7d	
121	438	settlement	ceramic	vessel fragment	7d	
122	438	settlement	ceramic	vessel fragment	7d	
123	438	settlement	ceramic	vessel fragment	7d	
124	438	settlement	ceramic	vessel fragment	7d	
125	438	settlement	flint	cutting tool	7d	
126	438	settlement	flint	cutting tool	7d	
127	438	settlement	stone	pounding tool	7d	
128	438	settlement	ceramic	vessel fragment	7e	
129	438	settlement	ceramic	vessel fragment	7e	
130	438	settlement	ceramic	vessel fragment	7e	
131	438	settlement	flint	cutting tool	7e	
132	438	settlement	flint	cutting tool	7e	



133	438	settlement	ceramic	vessel fragment	7e	
134	438	settlement	ceramic	vessel fragment	7e	
135	438	settlement	ceramic	vessel fragment	7e	
136	438	settlement	ceramic	vessel fragment	7e	
137	438	settlement	ceramic	vessel fragment	7e	
138	438	settlement	ceramic	vessel fragment	7e	
139	438	settlement	ceramic	vessel fragment	7e	
140	438	settlement	ceramic	vessel fragment	7e	
141	438	settlement	ceramic	vessel fragment	7e	
142	438	settlement	ceramic	vessel fragment	7e	
143	438	settlement	ceramic	vessel fragment	7e	
144	438	settlement	ceramic	vessel fragment	7e	
145	438	settlement	flint	cutting tool	7e	
146	438	settlement	ceramic	vessel fragment	8e	
147	438	settlement	ceramic	vessel fragment	8e	
148	438	settlement	ceramic	platter	8d	
149	438	settlement	ceramic	vessel fragment	8e	
150	438	settlement	ceramic	vessel fragment	8e	
151	438	settlement	ceramic	vessel fragment	8e	
152	438	settlement	ceramic	vessel fragment	8e	
153	438	settlement	ceramic	vessel fragment	8e	
154	438	settlement	ceramic	vessel fragment	8e	
155	438	settlement	ceramic	vessel fragment	8e	
156	438	settlement	ceramic	vessel fragment	8e	
157	438	settlement	ceramic	vessel fragment	8e	
158	438	settlement	ceramic	vessel fragment	8e	
159	438	settlement	ceramic	vessel fragment	8e	
160	438	settlement	flint	cutting tool	8e	
161	438	settlement	ceramic	vessel fragment	9d	
162	438	settlement	ceramic	vessel fragment	9d	
163	438	settlement	flint	cutting tool	9d	
164	438	settlement	ceramic	vessel fragment	9d	
165	438	settlement	ceramic	vessel fragment	9d	
166	438	settlement	ceramic	vessel fragment	9d	
167	438	settlement	ceramic	vessel fragment	9d	
168	438	settlement	ceramic	vessel fragment	9d	
169	438	settlement	ceramic	vessel fragment	9d	
170	438	settlement	obsidian	cutting tool	9d	
171	438	settlement	obsidian	cutting tool	9d	
172	438	settlement	ceramic	vessel fragment	9e	
173	438	settlement	ceramic	vessel fragment	9e	
174	438	settlement	ceramic	vessel fragment	9e	
175	438	settlement	ceramic	vessel fragment	9e	
176	438	settlement	stone	quern	9e	
177	438	settlement	ceramic	vessel fragment	7d	

178	438	settlement	ceramic	vessel fragment	7d	
179	438	settlement	ceramic	vessel fragment	7d	
180	438	settlement	ceramic	vessel fragment	7d	
181	438	settlement	ceramic	vessel fragment	7d	
182	438	settlement	ceramic	vessel fragment	7d	
183	438	settlement	ceramic	vessel fragment	7d	
184	438	settlement	ceramic	vessel fragment	7d	
185	438	settlement	ceramic	vessel fragment	7d	
186	438	settlement	ceramic	vessel fragment	7d	
187	438	settlement	bone	awl	7d	
188	438	settlement	ceramic	vessel fragment	7d	
189	438	settlement	ceramic	vessel fragment	7d	
190	438	settlement	ceramic	vessel fragment	7d	
191	438	settlement	ceramic	vessel fragment	7d	
192	438	settlement	ceramic	vessel fragment	7d	
193	438	settlement	ceramic	vessel fragment	7d	
194	438	settlement	ceramic	vessel fragment	7d	
195	438	settlement	ceramic	vessel fragment	7d	
196	438	settlement	flint	cutting tool	7d	
197	438	settlement	flint	cutting tool	7d	
198	438	settlement	flint	cutting tool	7d	
199	438	settlement	flint	cutting tool	7d	
200	438	settlement	flint	cutting tool	7d	
201	438	settlement	flint	cutting tool	7d	
202	438	settlement	obsidian	cutting tool	7d	
203	438	settlement	bone	awl	9e	
204	438	settlement	ceramic	vessel fragment	7d	
205	438	settlement	ceramic	vessel fragment	7d	
206	438	settlement	ceramic	vessel fragment	7d	
207	438	settlement	ceramic	vessel fragment	7d	
208	438	settlement	ceramic	vessel fragment	7d	
209	438	settlement	ceramic	vessel fragment	7d	
210	438	settlement	ceramic	vessel fragment	7d	
211	438	settlement	ceramic	vessel fragment	7d	
212	438	settlement	ceramic	vessel fragment	7d	
213	438	settlement	ceramic	vessel fragment	7d	
214	438	settlement	ceramic	vessel fragment	7d	
215	438	settlement	stone	cutting tool	7d	
216	438	settlement	flint	cutting tool	7d	
217	438	settlement	obsidian	cutting tool	7d	
218	438	settlement	obsidian	cutting tool	7d	
219	438	settlement	ceramic	vessel fragment	9d	
220	438	settlement	ceramic	vessel fragment	9d	
221	438	settlement	ceramic	vessel fragment	9d	
222	438	settlement	flint	cutting tool	9d	

223	438	settlement	ceramic	vessel fragment	8d	
224	438	settlement	ceramic	vessel fragment	8d	
225	438	settlement	flint	cutting tool	8d	
226	438	settlement	ceramic	vessel fragment	9f	
227	438	settlement	ceramic	vessel fragment	9f	
228	438	settlement	ceramic	vessel fragment	9f	
229	438	settlement	ceramic	vessel fragment	9f	
230	438	settlement	flint	cutting tool	9f	
231	438	settlement	obsidian	cutting tool	9f	
232	438	settlement	ceramic	vessel fragment	9f	
233	438	settlement	ceramic	vessel fragment	9f	
234	438	settlement	ceramic	vessel fragment	7f	
235	438	settlement	ceramic	vessel fragment	7e	
236	438	settlement	ceramic	vessel fragment	7e	
237	438	settlement	ceramic	vessel fragment	8f	
238	438	settlement	flint	cutting tool	8f	
239	438	settlement	ceramic	vessel fragment	7d	
240	438	settlement	ceramic	vessel fragment	7d	
241	438	settlement	ceramic	vessel fragment	7d	
242	438	settlement	ceramic	vessel fragment	7d	
243	438	settlement	ceramic	vessel fragment	7d	
244	438	settlement	ceramic	vessel fragment	7d	
245	438	settlement	ceramic	vessel fragment	7d	
246	438	settlement	stone	grind stone	7d	
247	438	settlement	obsidian	cutting tool	7d	
248	438	settlement	ceramic	vessel fragment	7e	
249	438	settlement	ceramic	vessel fragment	7e	
250	438	settlement	ceramic	vessel fragment	7e	
251	438	settlement	ceramic	vessel fragment	7e	
252	438	settlement	ceramic	vessel fragment	7e	
253	438	settlement	ceramic	vessel fragment	7e	
254	438	settlement	ceramic	vessel fragment	7e	
255	438	settlement	ceramic	vessel fragment	8f	
256	438	settlement	ceramic	vessel fragment	9f	
257	438	settlement	ceramic	vessel fragment	9f	
258	438	settlement	ceramic	vessel fragment	9f	
259	438	settlement	ceramic	vessel fragment	9f	
260	438	settlement	obsidian	cutting tool	9f	
261	438	settlement	obsidian	cutting tool	9f	
262	438	settlement	obsidian	cutting tool	9f	
263	438	settlement	ceramic	vessel fragment	8d	
264	438	settlement	ceramic	vessel fragment	8d	
265	438	settlement	ceramic	vessel fragment	8d	
266	438	settlement	ceramic	vessel fragment	8d	
267	438	settlement	ceramic	vessel fragment	8d	

268	438	settlement	ceramic	vessel fragment	8d	
269	438	settlement	ceramic	vessel fragment	8d	
270	438	settlement	ceramic	vessel fragment	8d	
271	438	settlement	ceramic	vessel fragment	8d	
272	438	settlement	ceramic	vessel fragment	8d	
273	438	settlement	ceramic	vessel fragment	8d	
274	438	settlement	ceramic	vessel fragment	9c	
275	438	settlement	ceramic	vessel fragment	9c	
276	438	settlement	ceramic	vessel fragment	9c	
277	438	settlement	ceramic	vessel fragment	9c	
278	438	settlement	ceramic	vessel fragment	9c	
279	438	settlement	ceramic	vessel fragment	9c	
280	438	settlement	ceramic	vessel fragment	9c	
281	438	settlement	ceramic	vessel fragment	9c	
282	438	settlement	ceramic	vessel fragment	9c	
283	438	settlement	ceramic	vessel fragment	9c	
284	438	settlement	ceramic	vessel fragment	9c	
285	438	settlement	ceramic	vessel fragment	9c	
286	438	settlement	ceramic	vessel fragment	9c	
287	438	settlement	flint	cutting tool	9c	
288	438	settlement	flint	cutting tool	9c	
289	438	settlement	obsidian	cutting tool	9c	
290	438	settlement	ceramic	vessel fragment	8e	
291	438	settlement	ceramic	vessel fragment	8e	
292	438	settlement	ceramic	vessel fragment	8e	
293	438	settlement	ceramic	vessel fragment	8e	
294	438	settlement	ceramic	vessel fragment	8e	
295	438	settlement	ceramic	vessel fragment	8e	
296	438	settlement	ceramic	vessel fragment	8e	
297	438	settlement	flint	cutting tool	8e	
298	438	settlement	flint	cutting tool	8e	
299	438	settlement	stone	quern	7d	
300	438	settlement	ceramic	vessel fragment	7e	
301	438	settlement	ceramic	vessel fragment	7e	
302	438	settlement	stone	slingshot	7e	
303	438	settlement	ceramic	vessel fragment	8e	
304	438	settlement	ceramic	vessel fragment	8e	
305	438	settlement	ceramic	vessel fragment	8e	
306	438	settlement	ceramic	vessel fragment	8e	
307	438	settlement	ceramic	vessel fragment	8e	
308	438	settlement	ceramic	vessel fragment	8e	
309	438	settlement	ceramic	vessel fragment	8e	
310	438	settlement	flint	cutting tool	8e	
311	438	settlement	obsidian	cutting tool	8e	
312	438	settlement	ceramic	vessel fragment	7d	

313	438	settlement	ceramic	vessel fragment	7d	
314	438	settlement	ceramic	salt-cellar	7d	
315	438	settlement	stone	handstone	7d	
316	438	settlement	stone	tool	7d	
317	438	settlement	ceramic	vessel fragment	8e	
318	438	settlement	ceramic	vessel fragment	8e	
319	438	settlement	ceramic	vessel fragment	8e	
320	438	settlement	ceramic	vessel fragment	8e	
321	438	settlement	ceramic	vessel fragment	8e	
322	438	settlement	ceramic	vessel fragment	8e	
323	438	settlement	obsidian	cutting tool	8e	
324	438	settlement	flint	cutting tool	8e	
325	438	settlement	stone	pounding tool	8e	
326	438	settlement	bone	awl	9e	
327	438	settlement	bone	awl	7e	
328	438	settlement	bone	awl	8e	
329	438	settlement	bone	awl	8e	
330	438	settlement	bone	awl	8e	
331	438	settlement	ceramic	vessel fragment	8e	
332	438	settlement	ceramic	vessel fragment	8e	
333	438	settlement	ceramic	vessel fragment	8e	
334	438	settlement	ceramic	vessel fragment	8e	
335	438	settlement	stone	slingshot	8e	
336	438	settlement	flint	cutting tool	8e	
337	438	settlement	ceramic	vessel fragment	9c	grit tempered
338	438	settlement	ceramic	vessel fragment	9c	grit tempered
339	438	settlement	ceramic	vessel fragment	9c	grit tempered
340	438	settlement	ceramic	vessel fragment	9c	grit tempered
341	438	settlement	ceramic	vessel fragment	9c	grit tempered
342	438	settlement	ceramic	vessel fragment	9c	grit tempered
343	438	settlement	stone	pounding tool	9c	
344	438	settlement	stone	handstone	9c	
345	438	settlement	stone	slingshot	9c	
346	438	settlement	flint	cutting tool	9c	
347	438	settlement	flint	cutting tool	9c	
348	438	settlement	obsidian	cutting tool	9c	
349	438	settlement	ceramic	vessel fragment	9d	
350	438	settlement	ceramic	vessel fragment	9d	
351	438	settlement	ceramic	vessel fragment	9d	
352	438	settlement	ceramic	vessel fragment	9d	
353	438	settlement	ceramic	vessel fragment	9d	
354	438	settlement	ceramic	vessel fragment	9d	
355	438	settlement	stone	pounding tool	9d	possibly worked
356	438	settlement	stone	implement	9d	
357	438	settlement	stone	slingshot	9d	

358	438	settlement	ceramic	vessel fragment	9d	
359	438	settlement	flint	cutting tool	9d	
360	438	settlement	ceramic	vessel fragment	9e	
361	438	settlement	ceramic	vessel fragment	9e	
362	438	settlement	ceramic	vessel fragment	9e	
363	438	settlement	ceramic	vessel fragment	9e	
364	438	settlement	ceramic	vessel fragment	9e	
365	438	settlement	ceramic	vessel fragment	9e	
366	438	settlement	ceramic	vessel fragment	9e	
367	438	settlement	ceramic	vessel fragment	9e	
368	438	settlement	stone	pounding tool	9e	possibly worked
369	438	settlement	obsidian	cutting tool	9e	
370	438	settlement	ceramic	vessel fragment	8d	
371	438	settlement	ceramic	vessel fragment	8d	
372	438	settlement	ceramic	vessel fragment	8d	
373	438	settlement	ceramic	vessel fragment	8d	
374	438	settlement	ceramic	vessel fragment	8d	
375	438	settlement	flint	cutting tool	7d	
376	438	settlement	bone	awl	7d	
377	438	settlement	ceramic	vessel fragment	7d	
378	438	settlement	ceramic	vessel fragment	7c	
379	438	settlement	ceramic	platter	9e	
380	438	settlement	ceramic	vessel fragment	9e	
381	438	settlement	ceramic	vessel fragment	9e	
382	438	settlement	ceramic	vessel fragment	9e	
383	438	settlement	ceramic	vessel fragment	9e	
384	438	settlement	ceramic	vessel fragment	8d	
385	438	settlement	ceramic	vessel fragment	8d	
386	438	settlement	ceramic	vessel fragment	8d	
387	438	settlement	flint	cutting tool	8d	
388	438	settlement	flint	cutting tool	8d	
389	438	settlement	flint	cutting tool	8d	
390	438	settlement	flint	cutting tool	8d	
391	438	settlement	flint	cutting tool	8d	
392	438	settlement	flint	cutting tool	8d	
393	438	settlement	obsidian	cutting tool	8d	
394	438	settlement	ceramic	vessel fragment	9f	
395	438	settlement	ceramic	vessel fragment	9f	
396	438	settlement	flint	cutting tool	9f	
397	438	settlement	flint	cutting tool	9f	
398	438	settlement	ceramic	vessel fragment	8c	
399	438	settlement	ceramic	vessel fragment	8c	
400	438	settlement	ceramic	vessel fragment	9d	
401	438	settlement	ceramic	vessel fragment	9d	
402	438	settlement	flint	cutting tool	9d	

403	438	settlement	ceramic	vessel fragment	8d	
404	438	settlement	ceramic	vessel fragment	8d	
405	438	settlement	ceramic	vessel fragment	8d	
406	438	settlement	ceramic	vessel fragment	8d	
407	438	settlement	obsidian	cutting tool	8d	
408	438	settlement	ceramic	vessel fragment	8d	
409	438	settlement	ceramic	vessel fragment	8d	
410	438	settlement	ceramic	vessel fragment	8d	
411	438	settlement	ceramic	vessel fragment	9d	
412	438	settlement	ceramic	vessel fragment	9d	
413	438	settlement	ceramic	vessel fragment	9d	
414	438	settlement	ceramic	vessel fragment	9d	
415	438	settlement	obsidian	cutting tool	9d	
416	438	settlement	ceramic	jug	8d	
417	438	settlement	ceramic	jug	8d	
418	438	settlement	ceramic	platter	8d	
419	438	settlement	ceramic	vessel fragment	8d	
420	438	settlement	flint	cutting tool	8d	
421	438	settlement	ceramic	vessel fragment	7c	
422	438	settlement	ceramic	vessel fragment	7c	
423	438	settlement	ceramic	vessel fragment	7c	
424	438	settlement	ceramic	vessel fragment	7c	
425	438	settlement	flint	cutting tool	7c	
426	438	settlement	flint	cutting tool	7c	
427	438	settlement	metal	object	7c	
428	438	settlement	ceramic	vessel fragment	7d	
429	438	settlement	ceramic	vessel fragment	7d	
430	438	settlement	ceramic	vessel fragment	7d	
431	438	settlement	ceramic	vessel fragment	7d	
432	438	settlement	flint	cutting tool	7d	
433	438	settlement	obsidian	cutting tool	7d	
434	438	settlement	ceramic	platter	9c	
435	438	settlement	ceramic	platter	9c	
436	438	settlement	ceramic	platter	9c	
437	438	settlement	ceramic	platter	9c	
438	438	settlement	flint	cutting tool	7f	
439	438	settlement	flint	cutting tool	8c	
440	438	settlement	ceramic	vessel fragment	7d	
441	438	settlement	ceramic	vessel fragment	7d	
442	438	settlement	ceramic	vessel fragment	7d	
443	438	settlement	flint	cutting tool	7d	
444	438	settlement	stone	pounding tool	7f	possibly worked
445	438	settlement	stone	pounding tool	7f	possibly worked
446	438	settlement	ceramic	vessel fragment	8f	
447	438	settlement	ceramic	vessel fragment	8f	

448	438	settlement	ceramic	vessel fragment	8f	
449	438	settlement	flint	cutting tool	8f	
450	438	settlement	flint	cutting tool	8f	
451	438	settlement	flint	cutting tool	8f	
452	438	settlement	flint	cutting tool	8f	
453	438	settlement	obsidian	cutting tool	9c	
454	438	settlement	flint	cutting tool	8c	
455	438	settlement	flint	cutting tool	8c	
456	438	settlement	obsidian	cutting tool	8c	
457	438	settlement	ceramic	vessel fragment	7d	
458	438	settlement	ceramic	vessel fragment	7d	
459	438	settlement	ceramic	vessel fragment	7d	
460	438	settlement	ceramic	vessel fragment	7d	
461	438	settlement	flint	cutting tool	7d	
462	438	settlement	flint	cutting tool	7d	
463	438	settlement	ceramic	vessel fragment	7f	
464	438	settlement	ceramic	vessel fragment	7f	
465	438	settlement	ceramic	vessel fragment	7f	
466	438	settlement	flint	cutting tool	7f	
467	438	settlement	ceramic	vessel fragment	8e	
468	438	settlement	ceramic	vessel fragment	8e	
469	438	settlement	ceramic	vessel fragment	8e	
470	438	settlement	obsidian	cutting tool	8e	
471	438	settlement	ceramic	vessel fragment	7f	
472	438	settlement	flint	cutting tool	7f	
473	438	settlement	flint	cutting tool	7f	
474	438	settlement	obsidian	cutting tool	7f	
475	438	settlement	ceramic	vessel fragment	7f	
476	438	settlement	flint	cutting tool	7f	
477	438	settlement	flint	cutting tool	8c	
478	438	settlement	flint	cutting tool	8e	
479	438	settlement	flint	cutting tool	8e	
480	438	settlement	flint	cutting tool	8e	
481	438	settlement	ceramic	vessel fragment	8e	
482	438	settlement	ceramic	vessel fragment	8e	
483	438	settlement	ceramic	vessel fragment	8e	
484	438	settlement	ceramic	vessel fragment	7d	
485	438	settlement	ceramic	vessel fragment	9d	
486	438	settlement	stone	pounding tool	9d	
487	438	settlement	stone	pounding tool	9c	
488	438	settlement	flint	cutting tool	9c	
489	438	settlement	ceramic	vessel fragment	7e	
490	438	settlement	flint	cutting tool	7e	
491	438	settlement	flint	cutting tool	7e	
492	438	settlement	flint	cutting tool	7e	



493	438	settlement	ceramic	vessel fragment	9e	
494	438	settlement	ceramic	vessel fragment	9e	
495	438	settlement	ceramic	vessel fragment	9e	
496	438	settlement	ceramic	vessel fragment	9e	
497	438	settlement	flint	cutting tool	9e	
498	438	settlement	flint	cutting tool	9e	
499	438	settlement	obsidian	cutting tool	9e	
500	438	settlement	flint	cutting tool	9e	
501	438	settlement	ceramic	vessel fragment	9c	
502	438	settlement	ceramic	vessel fragment	9c	
503	438	settlement	flint	cutting tool	9c	
504	438	settlement	flint	cutting tool	7d	
505	438	settlement	ceramic	vessel fragment	7d	
506	438	settlement	flint	cutting tool	9d	
507	438	settlement	flint	cutting tool	9d	
508	438	settlement	ceramic	vessel fragment	9d	
509	438	settlement	flint	cutting tool	8e	
510	438	settlement	flint	cutting tool	8e	
511	438	settlement	flint	cutting tool	8d	
512	438	settlement	flint	cutting tool	8e	
513	438	settlement	obsidian	cutting tool	8e	
514	438	settlement	ceramic	vessel fragment	8f	
515	438	settlement	ceramic	bowl	8f	
516	438	settlement	flint	cutting tool	8f	
517	438	settlement	flint	cutting tool	8f	
518	438	settlement	bone	awl	8e	
519	438	settlement	flint	cutting tool	9f	
520	438	settlement	flint	cutting tool	9f	
521	438	settlement	obsidian	cutting tool	9f	
522	438	settlement	flint	cutting tool	7f	
523	438	settlement	flint	cutting tool	7f	
524	438	settlement	flint	cutting tool	7f	
525	438	settlement	flint	cutting tool	7f	
526	438	settlement	ceramic	vessel fragment	9e	
527	438	settlement	ceramic	vessel fragment	9e	
528	438	settlement	ceramic	vessel fragment	9e	
529	438	settlement	flint	cutting tool	9e	
530	438	settlement	ceramic	jug	9f	
531	438	settlement	ceramic	platter	9f	
532	438	settlement	ceramic	platter	9f	
533	438	settlement	ceramic	jug	9f	
534	438	settlement	ceramic	vessel fragment	9f	
535	438	settlement	ceramic	jug	9f	
536	438	settlement	ceramic	vessel fragment	9e	
537	438	settlement	ceramic	vessel fragment	9e	

538	438	settlement	ceramic	jug	9e	
539	438	settlement	ceramic	vessel fragment	9e	
540	438	settlement	flint	cutting tool	9e	
541	438	settlement	ceramic	platter	8d	slightly burnished
542	438	settlement	ceramic	cooking-pot	8d	slightly burnished
543	438	settlement	ceramic	jug	8d	slightly burnished
544	438	settlement	ceramic	dopu	8d	slightly burnished
545	438	settlement	ceramic	jug	8d	slightly burnished
546	438	settlement	ceramic	jug	8d	slightly burnished
547	438	settlement	ceramic	platter	8d	slightly burnished
548	438	settlement	flint	cutting tool	8d	
549	438	settlement	flint	cutting tool	8d	
550	438	settlement	obsidian	cutting tool	8d	
551	438	settlement	ceramic	spindle whorl	8d	
552	438	settlement	stone	pounding tool	8f	
553	438	settlement	ceramic	jug	7c	
554	438	settlement	ceramic	platter	7c	
555	438	settlement	ceramic	cooking-pot	9e	
556	438	settlement	ceramic	vessel fragment	9e	
557	438	settlement	ceramic	vessel fragment	9e	
558	438	settlement	flint	cutting tool	9e	
559	438	settlement	flint	cutting tool	9e	
560	438	settlement	ceramic	vessel fragment	9c	
561	438	settlement	ceramic	jug	9c	
562	438	settlement	ceramic	jar	7e	
563	438	settlement	ceramic	jar	7e	
564	438	settlement	ceramic	vessel fragment	7e	
565	438	settlement	ceramic	platter	7e	
566	438	settlement	obsidian	cutting tool	7e	
567	438	settlement	ceramic	vessel fragment	8c	
568	438	settlement	ceramic	platter	8c	
569	438	settlement	ceramic	vessel fragment	8c	
570	438	settlement	flint	cutting tool	8c	
571	438	settlement	ceramic	jug	8e	
572	438	settlement	ceramic	jug	8e	
573	438	settlement	ceramic	jug	8e	
574	438	settlement	ceramic	cooking-pot	9d	
575	438	settlement	ceramic	platter	9d	
576	438	settlement	ceramic	vessel fragment	9d	
577	438	settlement	ceramic	jug	8f	
578	438	settlement	ceramic	jug	8f	
579	438	settlement	ceramic	platter	8f	
580	438	settlement	flint	cutting tool	8f	
581	438	settlement	flint	cutting tool	8f	
582	438	settlement	ceramic	cooking-pot	8f	

583	438	settlement	ceramic	cooking-pot	8f	
584	438	settlement	ceramic	cooking-pot	8f	
585	438	settlement	ceramic	cooking-pot	8f	
586	438	settlement	ceramic	platter	8f	
587	438	settlement	ceramic	jug	8f	
588	438	settlement	flint	cutting tool	8f	
589	438	settlement	ceramic	platter	9f	
590	438	settlement	ceramic	jug	9f	
591	438	settlement	ceramic	jug	9f	
592	438	settlement	flint	cutting tool	9f	
593	438	settlement	ceramic	vessel fragment	9f	
594	438	settlement	ceramic	dopu	9f	
595	438	settlement	stone	pounding tool	9f	
596	438	settlement	ceramic	vessel fragment	10e	
597	438	settlement	ceramic	vessel fragment	10e	
598	438	settlement	flint	cutting tool	10e	
599	438	settlement	flint	cutting tool	10e	
600	438	settlement	ceramic	vessel fragment	10f	
601	438	settlement	ceramic	vessel fragment	10f	
602	438	settlement	ceramic	vessel fragment	10f	
603	438	settlement	flint	cutting tool	10f	
604	438	settlement	ceramic	vessel fragment	10d	
605	438	settlement	ceramic	vessel fragment	10d	
606	438	settlement	ceramic	vessel fragment	10d	
607	438	settlement	ceramic	vessel fragment	10d	
608	438	settlement	ceramic	vessel fragment	11e	
609	438	settlement	ceramic	vessel fragment	11e	
610	438	settlement	flint	cutting tool	11c	
611	438	settlement	flint	cutting tool	11c	
612	438	settlement	flint	cutting tool	11e	
613	438	settlement	ceramic	vessel fragment	11f	
614	438	settlement	ceramic	vessel fragment	11f	
615	438	settlement	flint	cutting tool	11c	
616	438	settlement	ceramic	vessel fragment	11c	
617	438	settlement	flint	cutting tool	11d	
618	438	settlement	ceramic	vessel fragment	11c	
619	438	settlement	ceramic	vessel fragment	11e	
620	438	settlement	ceramic	vessel fragment	10f	
621	438	settlement	ceramic	vessel fragment	0f	
622	438	settlement	ceramic	vessel fragment	10f	
623	438	settlement	obsidian	cutting tool	10e	
624	438	settlement	ceramic	vessel fragment	10d	
625	438	settlement	ceramic	platter	10d	
626	438	settlement	obsidian	cutting tool	10c	
627	438	settlement	ceramic	vessel fragment	10f	

628	438	settlement	ceramic	vessel fragment	10c	
629	438	settlement	ceramic	jug	10e	
630	438	settlement	ceramic	platter	10e	
631	438	settlement	ceramic	vessel fragment	10e	
632	438	settlement	flint	cutting tool	10e	
633	438	settlement	flint	cutting tool	10e	
634	438	settlement	ceramic	jug	10c	
635	438	settlement	flint	cutting tool	10c	
636	438	settlement	obsidian	cutting tool	10c	
637	438	settlement	flint	cutting tool	10f	
638	438	settlement	flint	cutting tool	10f	
639	438	settlement	flint	cutting tool	10f	
640	438	settlement	ceramic	vessel fragment	10f	
641	438	settlement	ceramic	vessel fragment	10d	
642	438	settlement	ceramic	jug	10d	
643	438	settlement	ceramic	platter	10d	
644	438	settlement	ceramic	platter	10d	
645	438	settlement	ceramic	vessel fragment	10d	
646	438	settlement	flint	cutting tool	10d	
647	438	settlement	flint	cutting tool	10d	
648	438	settlement	ceramic	jug	10e	
649	438	settlement	ceramic	cooking-pot	10e	
650	438	settlement	ceramic	jug	10e	
651	438	settlement	ceramic	vessel fragment	10e	
652	438	settlement	ceramic	dopu	10e	
653	438	settlement	ceramic	cooking-pot	10e	
654	438	settlement	flint	cutting tool	10e	
655	438	settlement	ceramic	jar	10d	
656	438	settlement	ceramic	jug	10d	
657	438	settlement	ceramic	jug	10d	
658	438	settlement	ceramic	vessel fragment	10d	
659	438	settlement	ceramic	vessel fragment	10d	
660	438	settlement	flint	cutting tool	10d	
661	438	settlement	flint	cutting tool	10d	
662	438	settlement	flint	cutting tool	10d	
663	438	settlement	flint	cutting tool	10d	
664	438	settlement	ceramic	cooking-pot	10c	
665	438	settlement	ceramic	jar	10c	
666	438	settlement	ceramic	platter	10c	
667	438	settlement	ceramic	vessel fragment	10c	
668	438	settlement	ceramic	jug	10c	
669	438	settlement	ceramic	dopu	10c	
670	438	settlement	ceramic	jug	10c	
671	438	settlement	flint	cutting tool	10c	
672	438	settlement	obsidian	cutting tool	10c	

673	438	settlement	stone	padstone	11e	
674	438	settlement	flint	cutting tool	7c	
675	438	settlement	flint	cutting tool	7c	
676	438	settlement	flint	cutting tool	7c	
677	438	settlement	ceramic	vessel fragment	8f	
678	438	settlement	ceramic	vessel fragment	8f	
679	438	settlement	ceramic	vessel fragment	8f	
680	438	settlement	flint	cutting tool	8f	
681	438	settlement	ceramic	vessel fragment	7e	
682	438	settlement	ceramic	jug	7e	
683	438	settlement	ceramic	jug	7e	
684	438	settlement	flint	cutting tool	7e	
685	438	settlement	ceramic	jug	8d	
686	438	settlement	ceramic	bowl	8e	
687	438	settlement	ceramic	vessel fragment	8e	grit tempered
688	438	settlement	ceramic	vessel fragment	8e	grit tempered
689	438	settlement	ceramic	vessel fragment	8e	grit tempered
690	438	settlement	ceramic	vessel fragment	8e	grit tempered
691	438	settlement	ceramic	vessel fragment	8e	grit tempered
692	438	settlement	ceramic	vessel fragment	8e	grit tempered
693	438	settlement	ceramic	vessel fragment	8e	grit tempered
694	438	settlement	ceramic	vessel fragment	9f	grit tempered
695	438	settlement	ceramic	vessel fragment	9f	grit tempered
696	438	settlement	ceramic	vessel fragment	9f	grit tempered
697	438	settlement	ceramic	vessel fragment	9f	grit tempered
698	438	settlement	ceramic	vessel fragment	9d	grit tempered
699	438	settlement	ceramic	vessel fragment	9d	grit tempered
700	438	settlement	ceramic	vessel fragment	9d	grit tempered
701	438	settlement	ceramic	vessel fragment	9d	grit tempered
702	438	settlement	ceramic	vessel fragment	9d	grit tempered
703	438	settlement	ceramic	vessel fragment	9d	grit tempered
704	438	settlement	ceramic	vessel fragment	9d	grit tempered
705	438	settlement	ceramic	vessel fragment	9d	grit tempered
706	438	settlement	ceramic	vessel fragment	9d	grit tempered
707	438	settlement	ceramic	vessel fragment	9d	grit tempered
708	438	settlement	ceramic	vessel fragment	9d	grit tempered
709	438	settlement	ceramic	vessel fragment	9d	grit tempered
710	438	settlement	ceramic	vessel fragment	9d	grit tempered
711	438	settlement	ceramic	vessel fragment	9d	grit tempered
712	438	settlement	ceramic	vessel fragment	9d	grit tempered
713	438	settlement	ceramic	vessel fragment	9d	grit tempered
714	438	settlement	ceramic	spindle whorl	8d	grit tempered
715	438	settlement	ceramic	mould	8d	grit tempered
716	438	settlement	ceramic	vessel fragment	10f	grit tempered
717	438	settlement	ceramic	vessel fragment	10f	grit tempered

718	438	settlement	ceramic	vessel fragment	10f	grit tempered
719	438	settlement	ceramic	vessel fragment	10f	grit tempered
720	438	settlement	ceramic	vessel fragment	10f	grit tempered
721	438	settlement	flint	cutting tool	10f	
722	438	settlement	flint	cutting tool	10f	
723	438	settlement	flint	cutting tool	10f	
724	438	settlement	bone	awl	10f	
725	438	settlement	ceramic	vessel fragment	10e	
726	438	settlement	metal	object	10e	
727	438	settlement	ceramic	dopu	10e	
728	438	settlement	ceramic	vessel fragment	10c	
729	438	settlement	flint	cutting tool	10c	
730	438	settlement	ceramic	vessel fragment	10d	
731	438	settlement	ceramic	vessel fragment	10d	
732	438	settlement	ceramic	jug	10d	
733	438	settlement	ceramic	platter	10e	
734	438	settlement	ceramic	jug	10e	
735	438	settlement	ceramic	dopu	10e	
736	438	settlement	flint	cutting tool	10e	
737	438	settlement	flint	cutting tool	10e	
738	438	settlement	ceramic	spoon	8d	
739	438	settlement	ceramic	jug	10c	
740	438	settlement	ceramic	platter	10c	
741	438	settlement	ceramic	dopu	10c	
742	438	settlement	ceramic	cooking-pot	10c	
743	438	settlement	ceramic	vessel fragment	10c	
744	438	settlement	ceramic	vessel fragment	10c	
745	438	settlement	ceramic	jug	9d	
746	438	settlement	ceramic	jug	9d	
747	438	settlement	ceramic	platter	9d	
748	438	settlement	ceramic	jug	9d	
749	438	settlement	ceramic	platter	9d	
750	438	settlement	ceramic	jug	9d	
751	438	settlement	ceramic	bowl	9d	
752	438	settlement	ceramic	dopu	9d	
753	438	settlement	ceramic	dopu	9d	
754	438	settlement	ceramic	kiln	9d	
755	438	settlement	flint	cutting tool	9d	
756	438	settlement	stone	pounding tool	9d	
757	438	settlement	stone	pounding tool	9d	
758	438	settlement	ceramic	jug	8c	
759	438	settlement	ceramic	jug	8c	
760	438	settlement	ceramic	jug	8c	
761	438	settlement	ceramic	platter	8c	
762	438	settlement	ceramic	jug	8c	

763	438	settlement	ceramic	platter	8c	
764	438	settlement	ceramic	vessel fragment	8c	
765	438	settlement	ceramic	vessel fragment	8c	
766	438	settlement	flint	cutting tool	8c	
767	438	settlement	flint	cutting tool	8c	
768	438	settlement	ceramic	jar	10d	
769	438	settlement	ceramic	vessel fragment	10d	
770	438	settlement	ceramic	vessel fragment	10d	
771	438	settlement	ceramic	vessel fragment	10d	
772	438	settlement	ceramic	vessel fragment	10d	
773	438	settlement	flint	cutting tool	10d	
774	438	settlement	flint	cutting tool	10d	
775	438	settlement	ceramic	platter	9c	
776	438	settlement	ceramic	cooking-pot	9c	
777	438	settlement	ceramic	vessel fragment	9c	
778	438	settlement	flint	cutting tool	9c	
779	438	settlement	flint	cutting tool	9c	
780	438	settlement	flint	cutting tool	9c	
781	438	settlement	ceramic	cooking-pot	7d	
782	438	settlement	flint	cutting tool	7d	
783	438	settlement	ceramic	platter	7c	
784	438	settlement	ceramic	cooking-pot	7c	
785	438	settlement	ceramic	platter	7c	
786	438	settlement	ceramic	cooking-pot	7c	
787	438	settlement	ceramic	vessel fragment	7c	
788	438	settlement	ceramic	vessel fragment	7c	
789	438	settlement	ceramic	vessel fragment	7c	
790	438	settlement	ceramic	vessel fragment	7c	
791	438	settlement	flint	cutting tool	7c	
792	438	settlement	ceramic	vessel fragment	8c	
793	438	settlement	ceramic	jug	8c	
794	438	settlement	ceramic	jar	8c	
795	438	settlement	ceramic	jar	8c	
796	438	settlement	ceramic	jar	8c	
797	438	settlement	stone	padstone	9f	
798	438	settlement	stone	padstone	9f	
799	438	settlement	ceramic	vessel fragment	8c	
800	438	settlement	ceramic	vessel fragment	10e	
801	438	settlement	ceramic	dopu	9e	
802	438	settlement	ceramic	jug	8d	
803	438	settlement	ceramic	jar	8d	
804	438	settlement	ceramic	jug	8d	
805	438	settlement	ceramic	cooking-pot	8d	
806	438	settlement	ceramic	jug	8d	
807	438	settlement	ceramic	vessel fragment	8d	

808	438	settlement	obsidian	cutting tool	8d	
809	438	settlement	ceramic	jar	10d	
810	438	settlement	ceramic	jar	10d	
811	438	settlement	ceramic	platter	10d	
812	438	settlement	ceramic	platter	9f	
813	438	settlement	ceramic	platter	10f	
814	438	settlement	flint	cutting tool	10f	
815	438	settlement	stone	pounding tool	10f	
816	438	settlement	ceramic	vessel fragment	8d	
817	438	settlement	ceramic	platter	8d	
818	438	settlement	ceramic	platter	8d	
819	438	settlement	ceramic	vessel fragment	8d	
820	438	settlement	ceramic	vessel fragment	8d	
821	438	settlement	ceramic	vessel fragment	8d	
822	438	settlement	ceramic	vessel fragment	8d	
823	438	settlement	flint	cutting tool	8d	one side well serrated
824	438	settlement	flint	cutting tool	8d	one side well serrated
825	438	settlement	flint	cutting tool	8d	one side well serrated
826	438	settlement	flint	cutting tool	8d	one side well serrated
827	438	settlement	flint	cutting tool	8d	one side well serrated
828	438	settlement	flint	cutting tool	8d	one side well serrated
829	438	settlement	flint	cutting tool	8d	one side well serrated
830	438	settlement	flint	cutting tool	8d	one side well serrated
831	438	settlement	obsidian	cutting tool	8d	one side well serrated
832	438	settlement	ceramic	dopu	10e	
833	438	settlement	ceramic	bowl	10e	
834	438	settlement	ceramic	bowl	10e	
835	438	settlement	ceramic	bowl	10e	
836	438	settlement	ceramic	vessel fragment	10e	
837	438	settlement	ceramic	vessel fragment	10e	
838	438	settlement	ceramic	vessel fragment	10e	
839	438	settlement	ceramic	vessel fragment	10e	
840	438	settlement	ceramic	vessel fragment	10e	
841	438	settlement	ceramic	vessel fragment	10e	
842	438	settlement	ceramic	vessel fragment	10e	
843	438	settlement	ceramic	vessel fragment	10e	
844	438	settlement	flint	cutting tool	10e	
845	438	settlement	flint	cutting tool	10e	
846	438	settlement	flint	cutting tool	10e	
847	438	settlement	flint	cutting tool	10e	
848	438	settlement	flint	cutting tool	10e	
849	438	settlement	ceramic	jar	8f	
850	438	settlement	ceramic	jug	7f	
851	438	settlement	ceramic	cooking-pot	7f	
852	438	settlement	ceramic	jug	7f	



853	438	settlement	flint	cutting tool	7f	
854	438	settlement	ceramic	vessel fragment	9f	
855	438	settlement	ceramic	platter	9f	
856	438	settlement	ceramic	platter	9f	
857	438	settlement	ceramic	vessel fragment	9f	
858	438	settlement	ceramic	vessel fragment	9f	
859	438	settlement	flint	cutting tool	9f	
860	438	settlement	flint	cutting tool	9f	
861	438	settlement	obsidian	cutting tool	9f	
862	438	settlement	flint	cutting tool	8d	
863	438	settlement	flint	cutting tool	8d	
864	438	settlement	flint	cutting tool	8d	
865	438	settlement	flint	cutting tool	8d	
866	438	settlement	flint	cutting tool	10f	
867	438	settlement	flint	cutting tool	10f	
868	438	settlement	flint	cutting tool	10f	
869	438	settlement	flint	cutting tool	10f	
870	438	settlement	flint	cutting tool	10f	
871	438	settlement	ceramic	vessel fragment	9e	
872	438	settlement	ceramic	jug	9e	
873	438	settlement	ceramic	jug	9e	
874	438	settlement	ceramic	vessel fragment	9e	
875	438	settlement	flint	cutting tool	9e	
876	438	settlement	flint	cutting tool	9e	
877	438	settlement	flint	cutting tool	9e	
878	438	settlement	flint	cutting tool	9e	
879	438	settlement	flint	cutting tool	9e	
880	438	settlement	obsidian	cutting tool	9e	
881	438	settlement	ceramic	jar	9e	
882	438	settlement	ceramic	cooking-pot	9e	
883	438	settlement	ceramic	jug	8e	
884	438	settlement	ceramic	vessel fragment	8e	
885	438	settlement	ceramic	jug	7d	
886	438	settlement	ceramic	platter	7d	
887	438	settlement	ceramic	vessel fragment	7d	
888	438	settlement	ceramic	platter	7d	
889	438	settlement	ceramic	vessel fragment	7d	
890	438	settlement	ceramic	vessel fragment	7d	
891	438	settlement	flint	cutting tool	7d	
892	438	settlement	ceramic	platter	7e	
893	438	settlement	ceramic	cooking-pot	7e	
894	438	settlement	ceramic	cooking-pot	7e	
895	438	settlement	ceramic	jar	7e	
896	438	settlement	ceramic	jug	7e	
897	438	settlement	ceramic	jug	7e	

898	438	settlement	ceramic	vessel fragment	7e	
899	438	settlement	flint	cutting tool	7e	
900	438	settlement	obsidian	cutting tool	7e	
901	438	settlement	ceramic	cooking-pot	9c	
902	438	settlement	ceramic	jug	9c	
903	438	settlement	ceramic	platter	9c	
904	438	settlement	ceramic	jug	9c	
905	438	settlement	ceramic	vessel fragment	9c	
906	438	settlement	ceramic	vessel fragment	9c	
907	438	settlement	ceramic	jar	9c	
908	438	settlement	ceramic	jug	9c	
909	438	settlement	ceramic	platter	9c	
910	438	settlement	ceramic	platter	10e	
911	438	settlement	ceramic	jug	8c	
912	438	settlement	ceramic	jug	8c	
913	438	settlement	ceramic	platter	8c	
914	438	settlement	ceramic	platter	8c	
915	438	settlement	ceramic	cooking-pot	7c	
916	438	settlement	ceramic	jar	7c	
917	438	settlement	ceramic	vessel fragment	7c	
918	438	settlement	ceramic	vessel fragment	10e	slightly burnished
919	438	settlement	ceramic	vessel fragment	10e	slightly burnished
920	438	settlement	ceramic	vessel fragment	10e	slightly burnished
921	438	settlement	ceramic	vessel fragment	10e	slightly burnished
922	438	settlement	ceramic	vessel fragment	8d	slightly burnished
923	438	settlement	ceramic	vessel fragment	8d	slightly burnished
924	438	settlement	ceramic	vessel fragment	7e	slightly burnished
925	438	settlement	ceramic	dopu	7e	slightly burnished
926	438	settlement	ceramic	dopu	10e	slightly burnished
927	438	settlement	ceramic	dopu	10e	slightly burnished
928	438	settlement	ceramic	dopu	10e	slightly burnished
929	438	settlement	ceramic	dopu	10e	slightly burnished
930	438	settlement	ceramic	dopu	10e	slightly burnished
931	438	settlement	ceramic	dopu	10e	slightly burnished
932	438	settlement	ceramic	vessel fragment	7e	
933	438	settlement	ceramic	vessel fragment	7c	
934	438	settlement	ceramic	cooking-pot	7c	
935	438	settlement	stone	grind stone	10e	
936	438	settlement	flint	cutting tool	7e	one side well serrated
937	438	settlement	flint	cutting tool	7e	one side well serrated
938	438	settlement	flint	cutting tool	7e	one side well serrated
939	438	settlement	flint	cutting tool	7e	one side well serrated
940	438	settlement	flint	cutting tool	7e	one side well serrated
941	438	settlement	flint	cutting tool	7e	one side well serrated
942	438	settlement	flint	cutting tool	7e	one side well serrated

943	438	settlement	flint	cutting tool	10e	one side well serrated
944	438	settlement	flint	cutting tool	10e	one side well serrated
945	438	settlement	flint	cutting tool	10e	one side well serrated
946	438	settlement	flint	cutting tool	10e	one side well serrated
947	438	settlement	flint	cutting tool	10e	one side well serrated
948	438	settlement	flint	cutting tool	10e	one side well serrated
949	438	settlement	flint	cutting tool	10e	one side well serrated
950	438	settlement	flint	cutting tool	10e	one side well serrated
951	438	settlement	obsidian	cutting tool	10e	one side well serrated
952	438	settlement	obsidian	cutting tool	10e	one side well serrated
953	438	settlement	flint	cutting tool	10e	one side well serrated
954	438	settlement	flint	cutting tool	10e	one side well serrated
955	438	settlement	flint	cutting tool	10e	one side well serrated
956	438	settlement	flint	cutting tool	10e	one side well serrated
957	438	settlement	flint	cutting tool	10e	one side well serrated
958	438	settlement	flint	cutting tool	10e	one side well serrated
959	438	settlement	flint	cutting tool	9c	one side well serrated
960	438	settlement	flint	cutting tool	9c	one side well serrated
961	438	settlement	flint	cutting tool	9c	one side well serrated
962	438	settlement	flint	cutting tool	9c	one side well serrated
963	438	settlement	ceramic	vessel fragment	9c	
964	438	settlement	stone	quern	8f	
965	438	settlement	stone	quern	8d	
966	438	settlement	stone	padstone	7e	
967	438	settlement	flint	fragment	8d	
968	438	settlement	stone	quern	8d	
969	438	settlement	stone	tool	8d	
970	438	settlement	stone	pounding tool	7c	
971	438	settlement	stone	padstone	10e	
972	438	settlement	stone	pounding tool	7e	
973	438	settlement	stone	pounding tool	7e	
974	438	settlement	ceramic	platter	8d	
975	438	settlement	ceramic	platter	8d	
976	438	settlement	ceramic	platter	8d	
977	438	settlement	ceramic	platter	8d	
978	438	settlement	ceramic	cooking-pot	8d	
979	438	settlement	ceramic	dopu	8d	
980	438	settlement	ceramic	vessel fragment	8d	
981	438	settlement	ceramic	vessel fragment	8d	
982	438	settlement	ceramic	jug	10e	
983	438	settlement	ceramic	jug	10e	
984	438	settlement	ceramic	platter	10e	slightly burnished
985	438	settlement	ceramic	platter	10e	slightly burnished
986	438	settlement	ceramic	platter	10e	slightly burnished
987	438	settlement	ceramic	platter	10e	slightly burnished

988	438	settlement	ceramic	platter	10e	slightly burnished
989	438	settlement	ceramic	platter	10e	slightly burnished
990	438	settlement	ceramic	platter	10e	slightly burnished
991	438	settlement	ceramic	cooking-pot	10e	
992	438	settlement	ceramic	jug	10e	
993	438	settlement	ceramic	jug	7e	
994	438	settlement	ceramic	jug	7e	
995	438	settlement	ceramic	platter	7e	
996	438	settlement	ceramic	platter	7e	
997	438	settlement	ceramic	vessel fragment	7e	
998	438	settlement	ceramic	jug	7e	
999	438	settlement	ceramic	cooking-pot	7e	
1000	438	settlement	ceramic	cooking-pot	7e	
1001	438	settlement	ceramic	cooking-pot	7e	
1002	438	settlement	ceramic	jug	7e	
1003	438	settlement	ceramic	jug	7e	
1004	438	settlement	ceramic	jug	7e	
1005	438	settlement	ceramic	jug	7e	
1006	438	settlement	ceramic	vessel fragment	7e	
1007	438	settlement	ceramic	jar	10e	
1008	438	settlement	ceramic	cooking-pot	10e	
1009	438	settlement	ceramic	cooking-pot	10e	
1010	438	settlement	ceramic	dopu	10e	
1011	438	settlement	ceramic	jug	10e	
1012	438	settlement	ceramic	jug	10e	
1013	438	settlement	ceramic	jug	10e	
1014	438	settlement	ceramic	vessel fragment	10e	
1015	438	settlement	ceramic	vessel fragment	10e	
1016	438	settlement	ceramic	vessel fragment	10e	
1017	438	settlement	bone	spindle whorl	7e	
1018	438	settlement	ceramic	spindle whorl	7d	
1019	438	settlement	ceramic	nail	8c	recovered from 1.4m depth
1020	438	settlement	ceramic	nail	8f	recovered from 1.35m depth
1021	438	settlement	bone	awl	9d	
1022	438	settlement	bone	awl	8d	
1023	438	settlement	bone	awl	10e	
1024	438	settlement	bone	awl	10e	
1025	438	settlement	bone	awl	9c	