

# A Manual of Egyptian Pottery

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## Volume 1: Fayum A–Lower Egyptian Culture

*AERA Field Manual Series 1*

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## List of Abbreviations Used in this Volume

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ÄA	<i>Ägyptologische Abhandlungen</i>
AHL	<i>Archaeology &amp; History in Lebanon</i>
ARCE	American Research Center in Egypt
ASAE	<i>Annales du Service des Antiquités de l'Égypte</i>
AV	<i>Archäologische Veröffentlichungen des Deutschen Archäologischen Instituts, Abt. Kairo</i>
BAR	<i>British Archaeological Reports, International Series</i>
BASOR	<i>Bulletin of the American Schools of Oriental Research</i>
BCE	<i>Bulletin de liaison du groupe international d'étude de la céramique égyptienne</i>
Bd'E	<i>Bibliothèque d'Étude, Institut français d'archéologie orientale</i>
BES	<i>Bulletin of the Egyptological Seminar</i>
BIFAO	<i>Bulletin de l'Institut français d'archéologie orientale</i>
BSAE	British School of Archaeology in Egypt (and Egyptian Research Account)
BSAK	<i>Studien zur Altägyptischen Kultur, Beihefte</i>
CCE	<i>Cahiers de la céramique égyptienne</i>
CNRS	Centre national de la recherche scientifique
EVO	<i>Egitto e Vicino Oriente</i>
FIFAO	<i>Fouilles de l'Institut français d'archéologie orientale</i>
GM	<i>Göttinger Miszellen</i>
IFAO	Institut français d'archéologie orientale
JARCE	<i>Journal of the American Research Center in Egypt</i>
JAS	<i>Journal of Archaeological Science</i>
JEA	<i>Journal of Egyptian Archaeology</i>
JNES	<i>Journal of Near Eastern Studies, University of Chicago</i>
JSSSEA	<i>Journal of the Society for the Study of Egyptian Antiquities</i>
LÄ	<i>Lexikon der Ägyptologie, Vols. I–VI (Wiesbaden)</i>
MÄS	<i>Münchener Ägyptologische Studien</i>
MDAIK	<i>Mitteilungen des Deutschen Archäologischen Instituts, Abt. Kairo</i>
OLA	<i>Orientalia Lovaniensia Analecta</i>
PAM	<i>Polish Archaeology in the Mediterranean</i>
SAGA	<i>Studien zur Archäologie und Geschichte Altägyptens</i>
SAK	<i>Studien zur Altägyptischen Kultur</i>
SDAIK	<i>Sonderschriften des Deutschen Archäologischen Instituts</i>
SIMA	<i>Studies in Mediterranean Archaeology</i>

SSEA Society for the Study of Egyptian Antiquities  
WES *Warsaw Egyptological Studies*  
ZÄS *Zeitschrift für ägyptische Sprache und Altertumskunde*

## Preface

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Ceramics are usually the most abundant artifacts present at Egyptian archaeological sites. They are often found in large quantities and their analysis requires great patience and due attention. Such analysis is generally time-consuming and sometimes simply boring. The final result of ceramic study, however, can be very rewarding. Ceramics can offer a great deal of useful information. For example, they can date a site or its phases, and provide evidence for different activities and purposes of a site or its smaller units. Ceramics sometimes indicate different routes of product exchange between various sites or regions. For these reasons, all excavated pottery should be kept and stored for documentation and further analysis before the final publication of a site.

Ancient Egypt Research Associates (AERA) organized its first Field School in spring 2005 in conjunction with the American Research Center in Egypt (ARCE). The main aim of the Field School, supervised by Mohsen Kamel and Ana Tavares, was to train the official inspectors of the Supreme Council of Antiquities (SCA) in the excavation techniques of field archaeology, as well as in specialist studies of material culture and environmental analysis, such as ceramics, objects, fauna, flora, and human osteology. In response to the success of the first Field School, Dr. Mark Lehner, director of AERA, along with the Field School teachers and the AERA team decided to organize an Advanced Field School in 2006 according to new guidelines. Returning students were divided into smaller groups and took classes with different AERA specialists on various subjects. As the AERA ceramicist, I was responsible for teaching pottery analysis. During my preparation of the pottery classes, Dr. Lehner suggested that I prepare an AERA Field School Pottery Manual. At first the manual was to be a concise catalogue of ceramics from different periods of Egyptian archaeology. Over time, however, the manual expanded to include additional information related to material, manufacturing techniques, surface treatment, and context. After several months of work, I compiled a large corpus of Egyptian ceramics from all periods of Egyptian history, from Neolithic to Modern times. Certain imported vessels are also briefly presented in parts of the manual to remind archaeologists that pottery from Egyptian sites often includes vessels brought in from other regions, and is, therefore, not always homogenous.

This AERA field manual is divided into four volumes:

- Volume 1 Egyptian Neolithic Fayum A, Merimde, Omari, Badari, Naqada I, Naqada II, and the Lower Egyptian Culture
- Volume 2 Naqada III, Archaic Period, Old Kingdom, First Intermediate Period, and Middle Kingdom
- Volume 3 Second Intermediate Period, New Kingdom, Third Intermediate Period, and Late Period
- Volume 4 Ptolemaic Period, Early and Late Roman Periods, Medieval, and Modern times

Each of the volumes consists of nine sections (the first five of which repeat in each volume):

- Section 1 General information on pottery production in Egypt
- Section 2 Methods of pottery recording in the field
- Section 3 Post-excavation procedures leading to the publication of the material
- Section 4 A list of terms and abbreviations related to ceramics
- Section 5 A selected bibliography concerning technological aspects of Egyptian pottery
- Section 6 Descriptions of the clays mentioned in the text

Section 7 The pottery from all Egyptian periods, organized chronologically:

Each subsection, treating each of the periods, consists of two parts: 1) an introduction to the pottery, showing its general trends, and 2) a catalogue of the main ceramic types, organized not according to a detailed chronological order but, rather, by shape (restricted followed by unrestricted vessels).

Each ceramic type is illustrated with a drawing, accompanied by a short description with the general name of the find site (e.g., Giza, Abydos). More specific information about the provenance is provided by the reference cited for each drawing. The shape, material (according to the original publication and in relation to the Vienna System if possible), surface treatment, publication, and other information pertinent to dating are provided. Additional remarks and bibliography are sometimes included. The vessel description is based only on the text from the original publications. If information was not presented in the original text, it is labeled as “not stated.”

Section 8 A selection of references related to the particular ceramics described in a given volume. While the manual does not contain drawings from publications after 2006, most 2006 references are included in the bibliographies.

Section 9 Color plates, including a selection of photographs of ceramics from different periods. For Volume 4, in addition to the color photos of the Medieval pottery, there are also color drawings. The Medieval glazed ceramics are usually very colorful. Thus it is very difficult to illustrate their precise hues, and therefore, the colors are approximate.

This AERA manual was originally meant to be a quick field guide for the Egyptian SCA inspectors as they recovered pottery in the course of their own excavations, especially because many may not have regular access to libraries. It is essentially an illustrated list of ceramic types from different periods, meant to show only the most general trends in Egyptian ceramics. Drawings and photographs of pottery for the manual were selected to show those general types most characteristic for the different periods. For this purpose a kind of typology of Egyptian ceramics was created based on the ceramic forms themselves, rather than the typologies presented in the publications on specific sites. However, the descriptions here come from the original publications from which I drew my types. Most of the language is that of the reference cited. As the task of describing a ceramic vessel is highly subjective, each researcher may describe pots in somewhat different ways. Hence the terminology, such as for vessel shape (plate, bowl, ewer, dish, bottle, etc.), is not entirely uniform or consistent throughout this volume. Nor are all vessels described in the same detail. In addition, the user may not find in the manual every single vessel from each period. Further editions of the book may expand to include more comprehensive typologies. It was not my intention to document shape changes of any given type over time, nor to indicate regional variations within periods. Indeed, the division of ceramic material into historical periods is rather artificial, since many types were in use longer than a single period. I am fully aware that my pottery manual does not address every question related to Egyptian pottery but I hope it will be a useful resource for archaeologists working in Egypt. As a specialist in Old Kingdom pottery myself, I am grateful for any comments and suggestions concerning ceramics from other periods.

## Acknowledgments

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The present manual is a result of cooperation between numerous individuals and institutions. First I would like to again thank Dr. Lehner for his idea of creating the manual and publishing it as an AERA publication.

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Drawings used in the manual were prepared by Edyta Klimaszewska-Drabot, Mariola Orzechowska, and myself. The collection of color photos was compiled from photographs provided by the following individuals and projects:

Krzysztof Ciałowicz, Mariusz Jucha: photographs of the pottery from Tell el Farkha;

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Włodzimierz Godlewski: Late Roman and Medieval pottery photographs from Naqlun monastery in Fayum;

Yukinori Kawae: photographs of the ceramics from Giza and el Nazla village;

Mariola Orzechowska: New Kingdom pottery photos from Giza;

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## Pottery Workshop

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*Please see Ceramic Glossary, pages 11–13, for definitions of terms.*

### **Clay** (based on Bourriau and Nordström 1993)

All ceramics are made of clay. Scholars have divided Egyptian clays into two general categories based on the raw sources, Nile Alluvium and Marl. The two different clays are characterized by different physical properties.

Nile clay contains greater amounts of silica and can be fired at lower temperatures, around 700 to 800°C. The surface after firing is usually dark red or brown. The break of a pottery wall shows different color layers: red/brown with a black core. Nile clay used in pottery production often contains organic inclusions (small fragments of grass, chaff), or material introduced to the raw clay by a potter as temper.

Marls are fired at higher temperatures, between 800 and 1000°C. The clay shown in the break is very homogenous and dense. The color of surfaces is generally beige, pink, or very light yellow. Marl clay is very hard after firing. Marl pots usually do not contain any organic material.

Nile and marl clay can be further divided into subgroups according to inclusions, hardness, and density. The so-called Vienna System (Bourriau and Nordström 1993: 168–186) classifies the different clays that were used in Ancient Egyptian pottery. The AERA settlement (the Heit el-Ghurob site) has its own Clay Classification system (Wodzińska 2007: 287–289, Table 11.3).

Clay for manufacturing pots has to be properly prepared. The raw material contains inclusions that can damage the pot wall during shaping or later firing. The raw clay is levigated (mixed with water) in special pools and then kneaded until the mass is smooth. That process can take days or sometimes months before the clay is ready for shaping into a vessel.

### **Shaping Methods** (Arnold and Bourriau 1993; Hope 1987)

There are a few general methods for shaping pots: hand-shaping, hand-shaping and finishing with a turning device, or shaping on a wheel. Hand-shaping methods include: 1) forming a single piece of clay by the use of free-hand shaping, 2) shaping with a paddle and anvil, 3) shaping on a core or over a hump, 4) shaping with a mold, and 5) building with a slab/coil.

### **Surface Treatment**

The surfaces of ancient Egyptian pots were treated in various ways. The most common method consisted of simple smoothing prior to firing. The smoothed surface could also be coated and subsequently burnished or polished. When a coat is applied before firing it is called a slip, while a wash designates a coat applied after firing (Rice 1987: 151).

### **Decoration**

Pottery can also be decorated. We can distinguish several kinds of decoration: painted (before or after firing), incised (before or after firing), applied (before firing), molded (before firing), and “cut-out” (before firing).

## Pottery Processing in the Field

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**P**ottery retrieved from archaeological excavations can be processed in many ways (e.g., Orton, Tyers, and Vince 1993; Rice 1987). Over several years, I have developed a system that works well for the specific case of the ceramics from the Heit el-Ghurob site. The same system, but slightly modified, can be used at other sites.

The bags of pottery collected from the excavation are sent to the lab for processing. All pottery fragments from the site are first sorted into two groups: 1) diagnostic: those from which the original form of the whole vessel can be deduced; i.e., complete pots, complete profiles, parts of rims, parts of bases; as well as sherds with decoration, and fragments with potmarks, and; 2) non-diagnostic fragments.

Diagnostic fragments are classified according to the AERA Typology, and then recorded on AERA Pottery Forms. For a sample of an AERA Pottery Form, which consists of several descriptive categories, see Table 1 (page 7). The non-diagnostics are sorted according to two types: pieces that belong to bread-molds, and other non-diagnostic types that are not parts of bread-molds. These are weighed separately, their weights are recorded on the AERA Pottery Form, and the sherds are discarded.

Pots slated for drawing (rendered at a scale of 1:1) are segregated and stored separately (for pottery drawing techniques, see Becker 1987; Joyce and Dillon 1987). In addition to the drawings, pots are documented with two sets of photos. One captures complete vessels, significant shapes, pots with decoration, and potmarks. The second shows the clay in the breaks of the pottery wall. The tools used for pottery processing, drawing, and photography are listed in Table 2 (page 8).

All information about pottery from the site is stored in a digital database. This greatly facilitates the data analyses, especially in the case of a very large assemblage. The more data we collect, the more relations between data we create in the database, and the more relations we have, the better the material is described. All the ceramics data from AERA are stored in the AERA Pottery Database in the general format presented in Table 3 (page 9).

### **Shape Designation** (based on Rice 1987: 212–220)

All pots can be divided into two groups: Restricted and Unrestricted vessels. The rim diameter of a restricted vessel is smaller than the maximum diameter of its body, whereas that of an unrestricted vessel is greater than, or equal to, the maximum diameter of its body. These groups can be further divided into formal groups:

Restricted vessels:

Jars (restricted vessel with neck, has a height greater than its maximum diameter)

Unrestricted vessels:

Bowls (unrestricted vessel with base)

Stands (unrestricted vessel without base)

A vessel consists of three components: rim, body, and base (Figure 1). The body of the pot can be divided into neck and belly, especially in the case of jars.

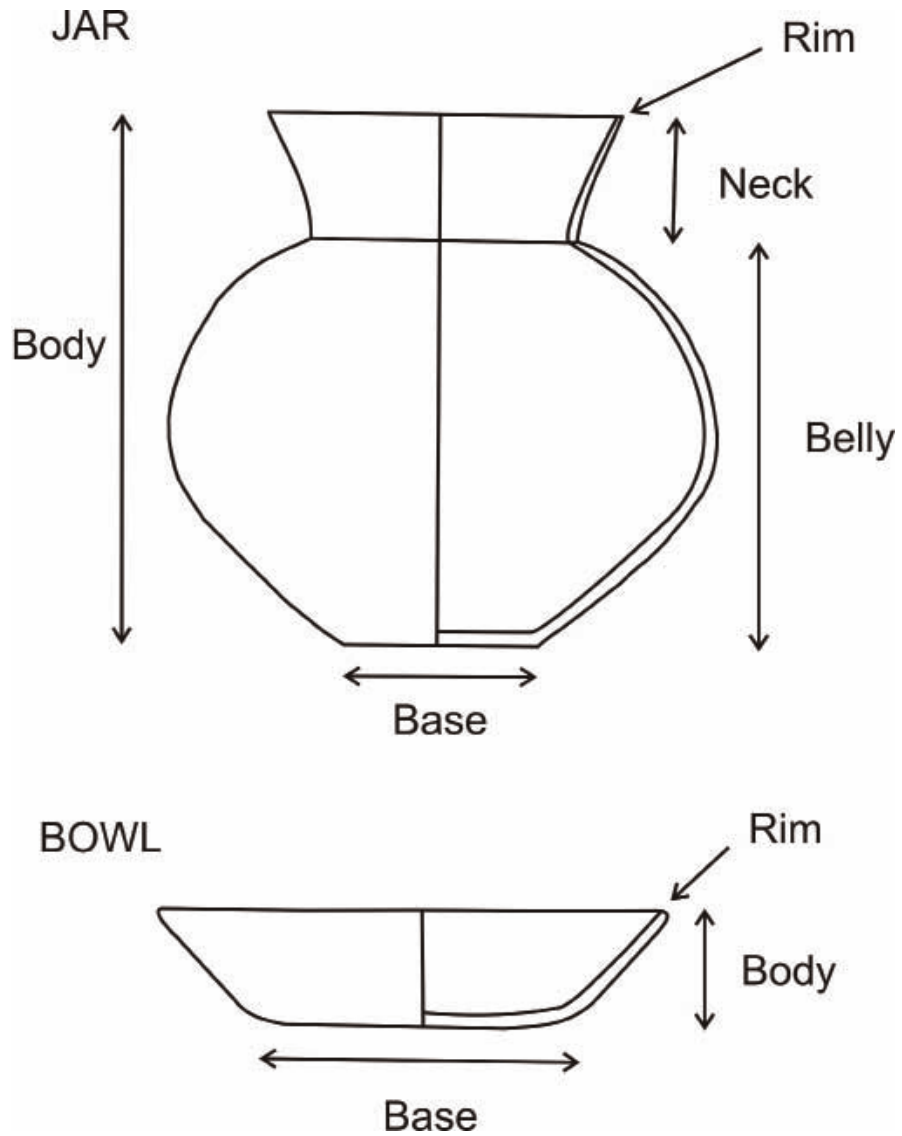


Figure 1. Basic vessel parts (partly based on Shepard 1995: 244, Figure 31).



The shape of the body can be described using geometric shapes: sphere, ellipsoid, ovaloid, cylinder, hyperboloid, and cone (Figure 2).

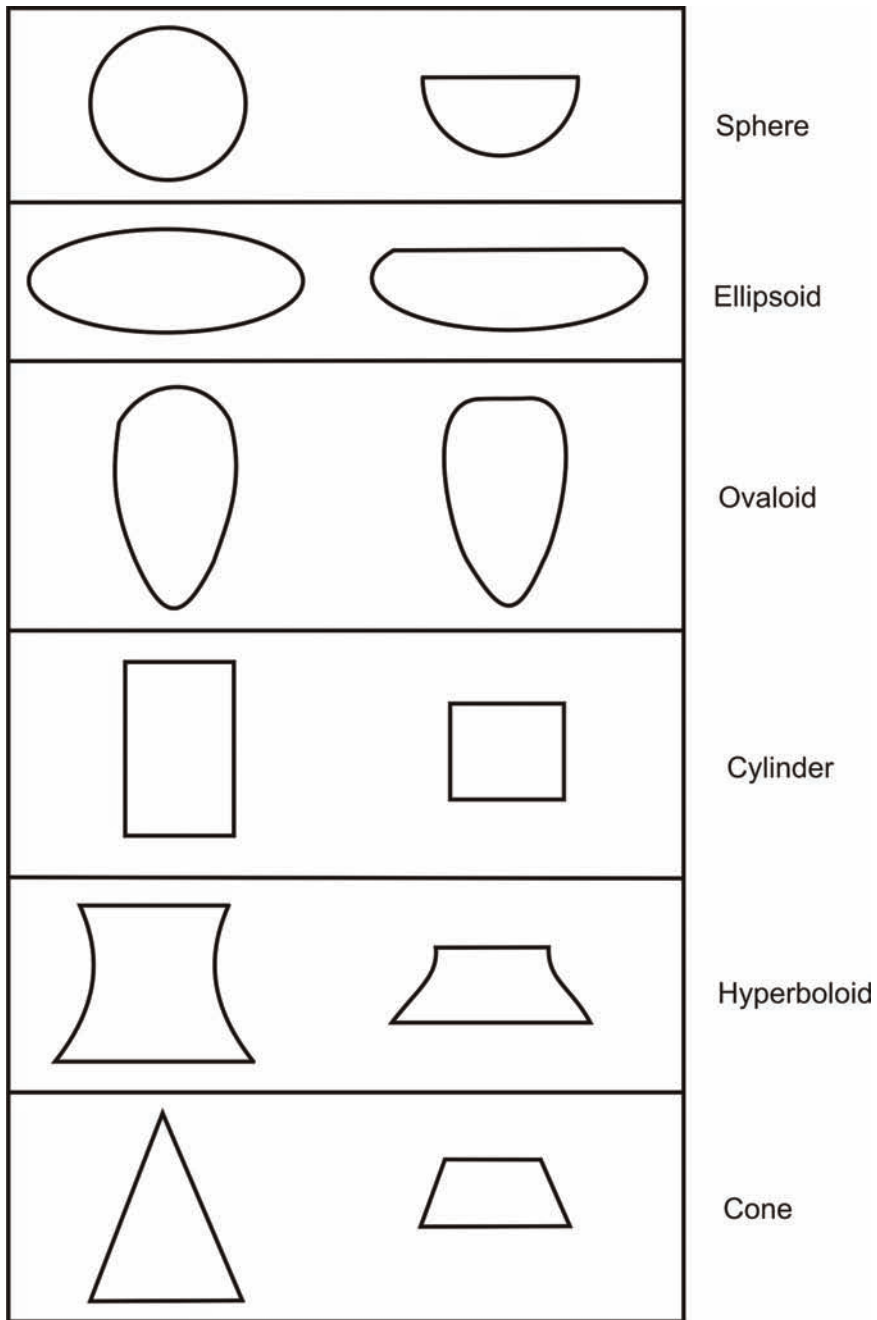


Figure 2. Vessel shape descriptions derived from geometric figure names (based on Rice 1987: 219, Figure 7.6).

The bases of most Egyptian pots are round, but they can also be flat, slightly flat, or pointed. There are also ring bases (Figure 3). The rims can be pointed, round, flat, or recurved (Figure 4).

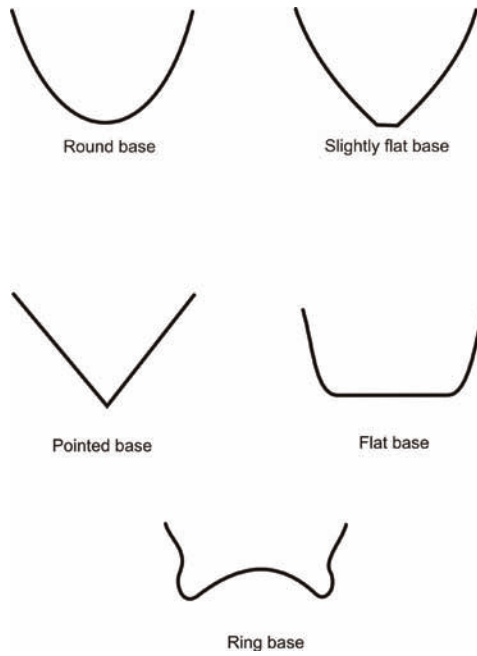


Figure 3. Different base shapes.

		Rim Shape			
					Pointed rims
					Flat rims
					Round rims
					Recurved rims
Rim Orientation		Straight rims	Flaring rims	Narrowing rims	

Figure 4. Description of different rim shapes.

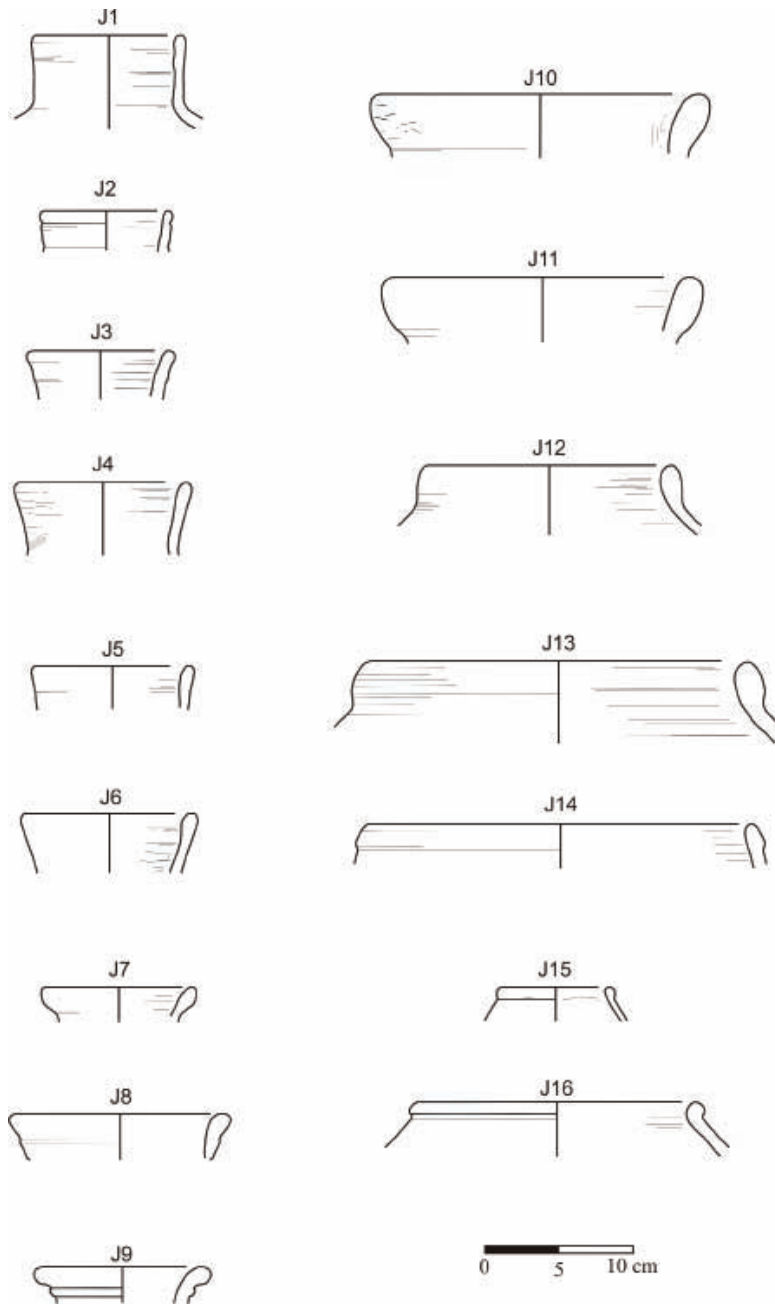


Figure 5. Example of a jar typology, arranged by production method, shape, clay, and surface treatment.

### Typology

After examining a collection of pots, we sort them into types, based on a number of shared traits. The traits include a combination of production method, shape, clay, and surface treatment. In this way we create a typology, or a classification of all pottery from the site into type. Figure 5 shows a sample of a jar typology.



**Table 2. Pottery processing tools.**

<b>Pottery processing:</b>	<b>Drawings:</b>	<b>Photos:</b>
Handbook—for any additional remarks on the described material	Contour gauge, caliper	Camera
Hand lens, min. 10x magnification—used during clay description and identification	Long ruler, triangles	Photo background—for example, a piece of fabric or paper
Scales—for weighing	Pencil	Photo scale
Glue—used during reconstruction of broken pots	Tracing paper, Grid paper	
Pen with black water-proof ink—for marking the sherds	Pencil eraser	
Munsell color charts	Circles for measuring diameter	

**Table 3. General categories of the AERA Pottery Database (example).**

Category	Description
Number of pot	Follows the number assigned to every diagnostic fragment
Drawing	Drawing prepared, name of drafts person
Photo	Photo taken, photo number
Context	Area, grid, square, feature number, feature type, building, etc.
Year	Year of excavation
Type	According to the site typology
Variants	Variants of types
Vessel part	R – rim, B – base, W – wall (body sherd), Cpr – complete profile, Cpot – complete pot, H – handle, O – object made of ceramic
Count	Quantity of sherds/pots
Percent	Percentage of pot, rim, base preserved
Height	PH – preserved height, CH – complete height, L – length, in centimeters (cm)
Rim diameter	Measured in centimeters (cm)
Base diameter	Measured in centimeters (cm)
Max diameter	Maximum diameter of body of a vessel, in centimeters (cm)
AERA clay	According to the site clay description
Hardness	1 – soft, 2 – middle (scratched with fingernail), 3 – hard (scratched with copper wire), 4 – very hard (scratched with window glass)
Method of production	HM – handmade, WT – wheel-turned, M – molded, WM – wheel-made or HM-WT – handmade and later turned on a slow wheel
Base shaping	M – molded, SC – string cut, Kf – knife cut
Base surface treatment	See surface treatment
Break sections	Colors of break sections
Break porosity	Open, medium, dense
Surface treatment (outside and inside)	Sm – smoothed, P – polished, U – untreated, C – slipped (before firing), Wh – washed (after firing)
Slip colors	R – red, O – orange, Pi – pink, Br – brown, Bl – black, W – white
Surface color	Using the Munsell color charts
Decoration (outside and inside)	Painted, incised, applied, molded, etc.
Wall thickness	Measured in centimeters (cm)
Weight	Measured in kilograms (kg)
Remarks	Usually description of the state of surface preservation, traces of ancient usage
Potmarks	Marks made on the surface: types, made before or after firing, on external or internal surface
Storage	Location where stored

## Post-Excavation Studies

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**T**he work after excavation is the most time consuming part of pottery analysis. The field work is very demanding and usually pottery specialists do not have enough time for a detailed analysis of the material. During field work, however, the pottery is well documented in order to provide a basis for further study. Time during the “off-season” is used for database entry, analysis of the data, and a study of the results. Additionally, pencil drawings are prepared for publication; they are inked or redrawn in a computer graphics program. The final and most important stage of the pottery study is its publication. The article or book should be a comprehensive account of the material, including all the information that is available.

## Ceramic Glossary

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(see also Bourriau and Nordström 1993, Rice 1987: especially 471–485, Yon 1981)

### Clay

- AERA Clay Classification:** the classification of clay types known at the AERA site
- Break:** a fresh break of the vessel wall made in order to be able to describe the clay
- Break porosity:** the volume of pores in the break, described as open, medium, or dense
- Clay:** the material the pottery is made of, mostly consisting of silica
- Grog:** small pieces of fired and crushed ceramic; often added to clay
- Groundmass** (or matrix, paste): the fine particles of clay and silt that make up the composition of the clay
- Hardness:** the resistance of a material to mechanical deformation, measured in Mohs' scale
- Inclusions:** particles present in the clay
- Levigated clay:** clay mixed with water
- Marl clay:** a calcareous clay, also known as a desert clay (or *tafla* in Arabic)
- Mohs scale:** a hardness scale, consisting of a series of increasingly hard minerals from 1 (talc) to 10 (diamond); determining which mineral is sufficiently hard to mark the ceramic
- Nile clay:** an alluvial clay associated with the Nile valley
- Organic inclusions:** organic particles present in the clay
- Provenience:** the geographical or geological origin of the clay source
- Qena/Ballas:** a marl clay from the Qena/Ballas region
- Raw material:** a material from the original source, before preparation
- Tafla:** marl clay
- Temper:** inclusions added by the potter
- Vienna System:** a general classification of Egyptian clays

### Manufacture

- Coil/slab-building:** hand-building by the successive addition of slabs or coils of clay
- Core/hump:** hand-building on a core or over a hump
- Handmade:** building without the use of a potter's wheel
- Knife-cut:** finishing the base using a knife/hard tool
- Method of production:** techniques of vessel shaping
- Mold-shaping:** hand-building in a mold
- Paddle- and anvil-shaping method:** shaping with the use of two tools:  
anvil: a round instrument to press against the vessel wall from the inside  
paddle: a flat tool to beat and support the wall from the outside
- Potter's wheel:** a revolving platform which moves on and around an axial pivot
- String-cut:** finishing the base using a string or wire
- Turning device:** a device without a pivot incapable of sustained rotations
- Wheel-turned:** building with the use of a potter's wheel

### Surface Treatment

- Burnishing:** producing a luster on the surface by rubbing it with a hard object (a pebble for instance); characterized by the presence of individual parallel facets
- Color:** surface color description, often using the color terms in the Munsell color charts



**Munsell color charts:** charts for the standardized identification and description of colors

**Polish:** a glossy luster on the surface, produced by rubbing with a yielding tool; lacks the individual parallel facets characteristic of burnishing

**Slip:** a coat added to the surface before firing

**Smoothing:** the process of evening the surface, usually without using tools, by hand

**Surface treatment** (outside and inside): surface finishing methods

**Wash:** a coat added to the surface after firing

## Decoration

**Application:** adding, before firing, decorative elements to the exterior of the vessel

**Cut-out decoration** (also called fenestration): a design created by cutting away sections of the wall, before firing, in the leather-hard stage

**Decoration:** additional surface treatment techniques

**Incised decoration:** designs executed, before or after firing, with the aid of a sharp tool, sometimes filled with a pigment

**Modeling:** modeling of the vessel wall, also in a mold, before firing, while the clay is still moist

**Painted decoration:** painting applied to the vessel before or after firing

**Potmarks:** marks incised on the vessel (internal or external), before or after firing

## Type/Ware Classification

**Type:** a category of ceramics defined by a common set of attributes (combination of technology, kind of clay, surface treatment, and shape of vessel) that distinguishes it from another class of pots

**Typology:** a system of classification that organizes ceramics into types

**Ware** (fabric): combination of technology, clay, and surface treatment

## Drying and Firing

**Atmosphere:** composition of gases in the air surrounding pottery during firing

**Drying:** the process of evaporating water from the formed vessel

**Firing:** transforming the clay into ceramic material under the influence of high temperatures

**Leather-hard:** the stage of the drying process during which clay contains enough water to be carved or joined

**Oxidation:** a firing atmosphere characterized by an abundance of free oxygen

**Pottery kilns:** an oven or other installation in which pots are fired

**Reduction:** a firing atmosphere without the presence of oxygen

**Vitrification:** the action or process of becoming glass

## Pottery Processing

**Diagnostic pieces:** those from which the original form of the whole vessel can be deduced: complete pots, complete profiles, parts of rims, and parts of bases. Sherds with decoration, and fragments with potmarks are also included

**Non-Diagnostic pieces:** those from which the original form of the whole vessel cannot be deduced: non-descript body parts, and sherds without decoration or potmarks

**Pottery Drawing Form:** a form with a drawing of the individual vessels

**Pottery Form:** a pottery recording form

**Pottery processing:** the process of sorting pottery according to types and fabrics

## Shape of Vessel

**Base:** the underside of a vessel

**Belly:** the lower part of the vessel body

**Body (wall):** the part of the vessel between the rim and the base

**Bottle:** a jar with a globular or ovoid body and an elongated narrow neck

**Bowl:** an unrestricted vessel with base

**Carination:** the concave part between the rim and the maximum diameter of the body

**Complete pot:** a vessel preserved in its entirety

**Complete profile:** a profile of a vessel preserved in its entirety

**Jar:** a restricted vessel with neck, with a height greater than its maximum diameter

**Max diameter:** the maximum diameter of the body of a vessel

**Neck:** the part of the vessel between the shoulder and the rim

**Plate:** an unrestricted vessel with low, short walls and a flat base

**Profile:** a vertical cross section through the body of a vessel

**Restricted vessel:** a vessel with a rim diameter smaller than the maximum diameter of its body

**Rim:** the opening of the vessel

**Shoulder:** the upper part of the belly

**Stand:** an unrestricted vessel without a base

**Tray:** an unrestricted vessel similar to a plate in shape, but often larger in size

**Unrestricted vessel:** a vessel with a rim diameter greater than or equal to the maximum diameter of its body

**Sherd:** a broken fragment of pottery

## Special Analyses

**Elemental analysis:** the identification of the chemical elements in ceramics; may reflect technological changes, or define clay sources or kiln products

**Organic residue analysis:** the identification of residue in pots; may reflect the diet of the people using the pottery

**Petrography:** the microscopic study and description of rocks or other mineral material on the basis of optical properties

**Seriation:** the chronological ordering of a group of artifacts in which the most similar are placed adjacent to each other in the series; used as a relative dating technique

**Thermal analysis:** determining the temperature at which the pot was fired

## Pottery Drawing

**Contour gauge:** a drawing tool that helps trace the vessel shape

**Diameter measuring circle:** a drawing tool used to determine the rim/base diameter of a broken pot

**Profile drawing:** a drawing of the vertical cross section of a pot, showing wall thickness and details of the rim, as well as the configuration of the base

## Bibliography for the Introduction

- Arnold, D., and J. D. Bourriau. 1993. *An Introduction to Ancient Egyptian Pottery*, SDAIK 17. Mainz am Rhein: Philipp von Zabern.
- Becker, J. 1987. Special Problems in Ceramic Illustration. In *The Student's Guide to Archaeological Illustrating*, edited by B. D. Dillon, 111–121. Los Angeles: Institute of Archaeology, University of California.
- Bourriau, J. D., and H. Å. Nordström. 1993. Ceramic Technology: Clays and Fabrics. In *An Introduction to Ancient Egyptian Pottery*, edited by D. Arnold and J. D. Bourriau, 143–190, SDAIK 17. Mainz am Rhein: Philipp von Zabern.
- Hope, C. 1987. *Egyptian Pottery*. Shire Egyptology 5. Aylesbury: Shire.
- Joyce, O., and B. D. Dillon. 1987. Ceramics. In *The Student's Guide to Archaeological Illustrating*, edited by B. D. Dillon, 95–109. Los Angeles: Institute of Archaeology, University of California.
- Orton, C., P. Tyers, and A. G. Vince. 1993. *Pottery in Archaeology*. Cambridge: Cambridge University Press.
- Rice, P. M. 1987. *Pottery Analysis: A Sourcebook*. Chicago: University of Chicago Press.
- Shepard, A. O. 1995. *Ceramics for Archaeologists*. Washington: Carnegie Institute of Washington.
- Wodzińska, A. 2007. Preliminary Ceramic Report. In *Project History, Survey, Ceramics, and the Main Street and Gallery III.4 Operations*, Giza Reports 1, edited by M. Lehner and W. Wetterstrom, 283–324. Boston: Ancient Egypt Research Associates.
- Yon, M. 1981. *Dictionnaire illustré multilingue de la céramique du Proche Orient Ancien*, Collection de la Maison de l'Orient Méditerranéen 10, *Série Archéologique* 7. Paris.

## Further Reading: a General Selection on Ceramics

---

- Adams, W. Y. 1986. *Ceramic Industries of Medieval Nubia*. Lexington: University Press of Kentucky.
- . 1986–1987. Times, Types, and Sites: The Interrelationship of Ceramic Chronology and Typology. *BES* 8: 7–46.
- Allen, S. J. 1997. Spinning Bowls: Representation and Reality. In *Ancient Egypt, the Aegean and the Near East: Studies in Honour of Martha Rhoads Bell*, edited by J. Phillips, 17–38. San Antonio: Van Siclen.
- Amiran, R. 1970. *Ancient Pottery of the Holy Land: from its Beginnings in the Neolithic Period to the End of the Iron Age*. New Brunswick: Rutgers University Press.
- Arkell, A. J. 1960. The Origin of Black-Topped Red Pottery. *JEA* 46: 105–106.
- Arnold, D. E. 1988. *Ceramic Theory and Cultural Process*. Cambridge: Cambridge University Press.
- . 2008. *Social Change and the Evolution of Ceramic Production and Distribution in a Maya Community*. Denver: University Press of Colorado.
- Arnold, D. E., C. Renfrew, and C. Gamble. 2003. *Ecology and Ceramic Production in an Andean Community*. Cambridge: Cambridge University Press.
- Arnold, D. 1976. Wandbild und Scherbenbefund. Zur Töpfertechnik der Alten Ägypter von Beginn der pharaonischen Zeit bis zu den Hyksos. *MDAIK* 32: 1–36.
- . 1977. Gefässe, Gefässformen, Gefässdekor. In *LÄ* II, 483–502.
- . 1980. Keramik. In *LÄ* III, 392–409.
- . 1981a. Ägyptischen Mergelton (“Wüstentone”) und die Herkunft einer Mergeltonware des Mittleren Reiches aus der Gegend von Memphis. In *Studien zur altägyptischen Keramik*, edited by D. Arnold, 167–191, *SDAIK* 9. Mainz am Rhein: Philipp von Zabern.
- , ed. 1981b. *Studien zur altägyptischen Keramik*, *SDAIK* 9. Mainz am Rhein: Philipp von Zabern.
- . 1986. Töpferei, Töpferwerkstatt, Töpferöfen, Töpferscheibe. In *LÄ* VI, 616–621.
- Arnold, D., and J. Bourriau. 1993. *An Introduction to Ancient Egyptian Pottery*, *SDAIK* 17. Mainz am Rhein: Philipp von Zabern.
- Arnold, D., C. Hope, P. T. Nicholson, and P. Rose. 1993. Techniques and Traditions of Manufacture in the Pottery of Ancient Egypt. In *An Introduction to Ancient Egyptian Pottery*, edited by D. Arnold and J. D. Bourriau, 6–141, *SDAIK* 17. Mainz am Rhein: Philipp von Zabern.
- Arnold, P. J., III. 2003. *Domestic Ceramic Production and Spatial Organization: A Mexican Case Study in Ethnoarchaeology*. Cambridge: Cambridge University Press.
- Aston, B. G. 1994. *Ancient Egyptian Stone Vessels. Materials and Forms*. *SAGA* 5. Heidelberg: Heidelberger Orientverlag.
- Baba, M., and M. Saito. 2004. Experimental Studies on the Firing Methods of Black-topped Pottery in Predynastic Egypt. In *Egypt at its Origins. Studies in Memory of Barbara Adams. Proceedings of the International Conference “Origin of the State. Predynastic and Early Dynastic Egypt,” Krakow, 28th August–1st September 2002*, edited by S. Hendrickx, R. F. Friedman, K. M. Ciałowicz, and M. Chłodnicki, 575–589, *OLA* 138. Leuven: Peeters.

- Bader, B. 2001. *Tell el-Daba XIII: Typologie und Chronologie der Mergel c-Ton Keramik*, Vienna: Verlag der Österreichischen Akademie der Wissenschaften.
- . 2002. A Concise Guide to Marl c Pottery. *Ägypten und Levante* XII: 29–54.
- Barclay, K. 2001. *Scientific Analysis of Archaeological Ceramics: A Handbook of Resources*. Oxford: Oxbow Books.
- Barnett, W. K., and J. W. Hoopes. 1995. *The Emergence of Pottery: Technology and Innovation in Ancient Societies*. Washington: Smithsonian Institution.
- Bulletin de liaison du groupe international d'étude de la céramique égyptienne*. Cairo.
- Becker, J. 1987. Special Problems in Ceramic Illustration. In *The Student's Guide to Archaeological Illustrating*, edited by B. D. Dillon, 111–121. Los Angeles: Institute of Archaeology, University of California.
- Bey, G. J., and C. A. Pool. 1992. *Ceramic Production and Distribution: An Integrated Approach*. Boulder: Westview Press.
- Bikai, P. M. 1989. *The Phoenician Pottery of Cyprus*. Nicosia: Leventis Foundation.
- Bishay, A. 1974. *Recent Advances in Science and Technology of Materials*. Vol. 3. New York: Plenum Press.
- Bourriau, J. D. 1981. *Umm el-Ga'ab. Pottery from the Nile Valley before the Arab Conquest*. Cambridge: Cambridge University Press.
- . 1998. The Role of Chemical Analysis in the Study of Egyptian Pottery. In *Proceedings of the Seventh International Congress of Egyptologists*, edited by C. Eyre, 189–199, OLA 82. Leuven: Peeters.
- Bourriau, J. D., A. Bellido, N. Bryan, and V. Robinson. 2006. Egyptian Pottery Fabrics: a Comparison between NAA Grouping and the “Vienna system”. In *Timelines: Studies in Honour of Manfred Bietak*, edited by E. Czerny, 261–292. OLA 149. Leuven: Peeters.
- Bourriau, J. D., and P. T. Nicholson. 1992. Marl Clay Pottery Fabrics of the New Kingdom from Memphis, Saqqara and Amarna. *JEA* 78: 29–91.
- Bourriau, J. D., and H. Å. Nordström. 1993. Ceramic Technology: Clays and Fabrics. In *An Introduction to Ancient Egyptian Pottery*, edited by D. Arnold and J. D. Bourriau, 143–190, SDAIK 17. Mainz am Rhein: Philipp von Zabern.
- Bourriau, J. D., L. M. V. Smith, and P. T. Nicholson. 2000. *New Kingdom Pottery Fabrics: Nile Clay and Mixed Nile/Marl: Clay Fabrics from Memphis and Amarna*. London: Egypt Exploration Society.
- Bourriau, J. D., P. T. Nicholson, and P. J. Rose. 2000. Pottery. In *Ancient Egyptian Materials and Technology*, edited by I. Shaw, P. T. Nicholson, 121–147. Cambridge: Cambridge University Press.
- Bronitsky, G. 1989. *Pottery Technology: Ideas and Approaches*. Boulder: Westview Press.
- Brovarski, E. 1982. Lexicographical Studies in Egyptian Pottery. *BCE* VII: 36–37.
- Butzer, K. 1974. Modern Egyptian Pottery Clays and Predynastic Buff Ware. *JNES* 33: 377–382.
- Cahiers de la céramique égyptienne*. Cairo.
- Cyganowski, C. J. K. 1993. An Intersite Comparison of Middle Kingdom Lower Egyptian Marl c Fabric. PhD thesis. University of Cambridge.

- David, A. R. 1986. *Science in Egyptology*. Manchester: Manchester University Press.
- Davies, P. O. A. L. 1962. Red and Black Egyptian Pottery. *JEA* 48: 19–24.
- Dorman, P. 2002. *Faces in Clay. Technique, Imagery, and Allusion in a Corpus of Ceramic Sculpture from Ancient Egypt*. MÄS 52. Mainz am Rhein: Philipp von Zabern.
- Drenkhahn, R. 1976. *Die Handwerke und ihre Tätigkeiten im Alten Ägypten*. ÄA 31. Wiesbaden: Harrassowitz.
- Druc, I. C. 2001. *Archaeology and Clays*. BAR International Series 942. Oxford.
- Eggebrecht, A. 1975. Keramik. In *Das alte Ägypten*, edited by C. Vandersleyen, 348–358. Propyläen Kunstgeschichte 15. Berlin: Propyläen Verlag.
- Esse, D. L. 1991. *Subsistence, Trade, and Social Change in Early Bronze Age Palestine*. *Studies in Ancient Oriental Civilizations* 50. Chicago: Oriental Institute of the University of Chicago.
- Fauvet-Berthelot, M., S. Monzon, and H. Balfet. 1989. *Lexique et typologie des poteries: pour la normalisation de la description des poteries*. Paris: CNRS Editions.
- Freestone, I., and D. R. M. Gaimster. 1997. *Pottery in the Making: Ceramic Traditions*. Washington, DC: Smithsonian Institution Press.
- Freestone, I., C. Johns, and T. W. Potter. 1982. *Current Research in Ceramics: Thin-Section Studies: the British Museum Seminar 1980*. London: British Museum.
- Goddard, S., D. Knight, J. Goddard, S. Hamilton, and S. Rouillard. 1997. *Aspects of Illustration: Prehistoric Pottery, Association of Archaeological Illustrators and Surveyors*. Exeter: Exeter University.
- Greenberg, R., and N. Porat. 1996. A Third Millennium Levantine Pottery Production Center. Typology, Petrography, and Provenance of the Metallic Ware of Northern Israel and Adjacent Regions. *BASOR* 301: 5–24.
- Griffiths, D., and M. Ownby. 2006. Assessing the Occurrence of Egyptian Marl c Ceramics in Middle Bronze Age Sidon. *AHL* 24: 63–77.
- Hamroush, H. A. 1992. Pottery Analysis and Problems in the Identification of the Geological Origins of Ancient Ceramics. *CCE* 3: 39–51.
- Hendrickx, S., R. F. Friedman, and F. Loyens. 2000. Experimental Archaeology Concerning Black-Topped Pottery from Ancient Egypt and the Sudan. *CCE* 6: 171–187.
- Hope, C. 1982. Concerning Egyptian Potter's Wheels. *JSSEA* 12: 1.
- . 1987a. *Egyptian Pottery*. Shire Egyptology 5. Aylesbury: Shire.
- . 1987b. Experiments in the Manufacture of Ancient Egyptian Pottery. In *Ceramics from the Dakhleh Oasis. Preliminary Studies*, edited by W. I. Edwards, C. Hope, and E. R. Segnit, 103–105. Burwood, Australia: Victoria College Press.
- Jacquet-Gordon, H. 1981. A Tentative Typology of Egyptian Bread Moulds. In *Studien zur altägyptischen Keramik*, edited by D. Arnold, 11–24, *SDAIK* 9. Mainz am Rhein: Philipp von Zabern.
- Joyce, O., and B. D. Dillon. 1987. Ceramics. In *The Student's Guide to Archaeological Illustrating*, edited by B. D. Dillon, 95–109. Los Angeles: Institute of Archaeology, University of California.
- Kelley, A. L. 1976. *The Pottery of Ancient Egypt: Dynasty I to Roman Times*. Toronto: Royal Ontario Museum.

- Kingery, W. D. 1986. *Ceramics and Civilization, Vol. II, Technology and Style*. Columbus, OH: American Ceramic Society.
- Köhler, E. C. 1996. Archäologie und Ethnographie. Eine Fallstudie der prädynastischen und frühzeitlichen Töpfereiproduktion von Tell el-Fara'in-Buto. *CCE* 4: 133–143.
- . 1997. Socio-economic Aspects of Early Pottery Production in the Nile Delta. *BES* 8: 81–89.
- Leeuw, S. E. van der. 1976. *Studies in Technology of Ancient Pottery*. Amsterdam: Universiteit van Amsterdam.
- Leeuw, S. E. van der, and A. C. Pritchard. 1984. *The Many Dimensions of Pottery: Ceramics in Archaeology and Anthropology, Cingula* 7. Amsterdam: Universiteit van Amsterdam.
- Lucas, A., and J. R. Harris. 1962. *Ancient Egyptian Materials and Industries*. 4th edition. London: Edward Arnold.
- Matson, F. R. 1965. *Ceramics and Man*. New York: Wenner-Gren Foundation for Anthropological Research.
- Mazzoni, S. 1986. The Diffusion of the Palestinian Combed Ware. In *Studies in the History and Archaeology of Palestine. Proceedings of the First International Symposium on the Palestine Antiquities*, edited by S. Sha'ath, 145–157. Aleppo: Aleppo University Press.
- Merrillees, R.S. 1968. *The Cypriote Bronze Age Pottery Found in Egypt*. *SIMA* 18. Lund: Carl Bloms.
- Millett, M. 1979. *Pottery and the Archaeologist*. London: Institute of Archaeology.
- Munsell. 1994. *Munsell Soil Color Charts*. New Windsor, NY.
- Naschinski, A. 2001. *Möglichkeiten und Grenzen funktionaler Interpretation an Keramik: Experimente, Beobachtungen, Analysen*. BAR International Series 959. Oxford.
- Nelson, K. 2002. *Holocene Settlement of the Egyptian Sahara. Vol. 2. The Pottery of Nabta Playa*. New York: Kluwer Academic, Plenum Publishers.
- Nicholson, P. T. 1993. The Firing of Pottery. In *An Introduction to Ancient Egyptian Pottery*, edited by D. Arnold and J. D. Bourriau, 103–120, *SDAIK* 17. Mainz am Rhein: Philipp von Zabern.
- Noll, W. 1981. Mineralogy and Technology of the Painted Ceramics of Ancient Egypt. In *Scientific Studies in Ancient Ceramics*, edited by M. J. Hughes, 143–154. British Museum Occasional Paper 19. London: British Museum.
- . 1981. Bemalte Keramik Altägyptens: Material, Rohstoffe und Herstellungstechnik. In *Studien zur altägyptischen Keramik*, edited by D. Arnold, 103–108, *SDAIK* 9. Mainz am Rhein: Philipp von Zabern.
- . 1991. *Alte Keramiken und ihre Pigmente: Studien zu Material und Technologie*. Stuttgart: E. Schweizerbart.
- Nordström, H. Å. 1972. *Cultural Ecology and Ceramic Technology. Early Nubian Cultures from the Fifth and the Fourth Millennia B.C.* Acta Universitatis Stockholmiensis 4. Stockholm: Almqvist and Wiksell.
- . 1972. *Neolithic and A-Group Sites. The Scandinavian Joint Expedition to Sudanese Nubia III*. Stockholm: Scandinavian University Press.
- . 1986. Ton. In *LÄ* VI: 629–634.



- Olin, J. S., and A. D. Franklin. 1982. *Archaeological Ceramics*. Washington, DC: Smithsonian Institution Press.
- Orton, C., P. Tyers, and A. G. Vince. 1993. *Pottery in Archaeology*. Cambridge: Cambridge University Press.
- Paice, P. 1989. The Pottery of Daily Life in Ancient Egypt. *JSSEA* 19: 50–88.
- . 1997. *The Pottery of Daily Life in Ancient Egypt*. SSEA Studies 5. Mississauga, ON, Canada: Benben.
- Redmount, C. A., and M. E. Morgenstein. 1996. Major and Trace Element Analysis of Modern Egyptian Pottery. *JAS* 23: 741–762.
- Regner, C. 1998. *Keramik*. Wiesbaden: Harrassowitz.
- Rice, P. M. 1984. *Pots and Potters: Current Approaches in Ceramic Archaeology*. Los Angeles: Institute of Archaeology, University of California Los Angeles.
- . 2005. *Pottery Analysis: A Sourcebook*. Chicago: University of Chicago Press.
- Rice, P. M., and M. E. Saffer. 1982. *Analysis: Technical and Ethnographic Approaches to Pottery Production and Use, Annotated Bibliography of Ceramic Studies*, Pt. 1. Gainesville, FL: Florida State Museum of the University of Florida.
- Riederer, J. 1988. The Microscopic Analysis of Pottery from the Old Kingdom. In *Akten des Vierten Internationalen Ägyptologen Kongresses, München 1985*, edited by S. Schoske, 221–230, *BSAK* 1. Hamburg: Helmut Buske.
- . 1992. The Microscopic Analysis of Calcite Tempered Pottery from Minshat Abu Omar. *CCE* 3: 33–37.
- Rye, O. S. 1981. *Pottery Technology: Principles and Reconstruction*. Manuals on Archaeology 4. Washington, DC: Taraxacum.
- Schulte, R., and D. Arnold. 1978. *Meisterwerke altägyptischer Keramik: 5000 Jahre Kunst und Kunsthandwerk aus Ton und Fayence: 16. September bis 30 November 1978, Höhr-Grenzhausen, Rastal-Haus*. Höhr-Grenzhausen: Keramikmuseum Westerwald.
- Shepard, A. O. 1995. *Ceramics for Archaeologists*. Washington: Carnegie Institute of Washington.
- Skibo, J. M. 1992. *Pottery Function: A Use-alteration Perspective, Interdisciplinary Contributions to Archaeology*. New York: Plenum Press.
- Skibo, J. M., and G. M. Feinman. 1999. *Pottery and People: A Dynamic Interaction*. Salt Lake City: University of Utah Press.
- Steinmann, F. 1998. *Tongefässe von der vordynastischen Zeit bis zum Ende des Mittleren Reiches, Katalog Ägyptischer Sammlung in Leipzig II*. Mainz am Rhein: Philipp von Zabern.
- Vandiver, P., and P. Lacovara. 1986. An Outline of Technological Changes in Egyptian Pottery Manufacture. *BES* 7: 53–85.
- Wenke, R. J. 1997. Anthropology, Egyptology and the Concept of Cultural Change. In *Anthropology and Egyptology: A Developing Dialogue*, edited by J. Lusting, 117–136. Sheffield: Sheffield Academic Press.
- Whipp, R. 1990. *Patterns of Labour: Work and Social Change in the Pottery Industry*. London: Routledge.



Yon, M. 1976. *Manuel de céramique chypriote*. Lyon: Institut Courby.

———. 1981. *Dictionnaire illustré multilingue de la céramique du Proche Orient Ancien*. Collection de la Maison de l'Orient Méditerranéen 10, *Série Archéologique* 7. Paris.

# Clay Descriptions Used in Volume 1

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## Vienna System

**Material: NA**

**Groundmass:** homogenous fine

**Inclusions:** abundant fine, often medium-sized and occasionally coarse, sand; mica is common

**Reference:** Bourriau and Nordström 1993: 170–171, Plate I a–c

**Material: NB1**

**Groundmass:** homogenous medium-fine

**Inclusions:** numerous fine with some medium-sized and coarse sand; mica is common; scattered fine (< 2 mm) straw particles

**Reference:** Bourriau and Nordström 1993: 171, Plate I d–h

**Material: NB2**

**Groundmass:** homogenous medium

**Inclusions:** abundant fine sand and common medium-sized sand; scattered limestone particles; noticeable fine to medium straw, with scattered coarse straw

**Reference:** Bourriau and Nordström 1993: 171–173, Plate II a–d

**Material: NC**

**Groundmass:** coarse

**Inclusions:** numerous fine to coarse sand; some medium-sized limestone particles; predominance of fine to coarse straw; sometimes grog

**Reference:** Bourriau and Nordström 1993: 173–174, Plate II e–i

**Material: ND**

**Groundmass:** fine to medium

**Inclusions:** abundant limestone particles in fabrics such as NA, NB1, or NB2-NC

**Reference:** Bourriau and Nordström 1993: 174–175, Plate III a–c

**Material: NE**

**Groundmass:** medium fine

**Inclusions:** abundance of fine to coarse sand

**Reference:** Bourriau and Nordström 1993: 175, Plate III d–h

**Material: MA1**

**Groundmass:** homogenous fine

**Inclusions:** relatively abundant fine-medium crushed limestone, some fine sand

**Reference:** Bourriau and Nordström 1993: 176, Plate IV a–c

**Material: MA2**

**Groundmass:** fine

**Inclusions:** fine sand and limestone particles

**Reference:** Bourriau and Nordström 1993: 176, Plate IV d–i

**Material: MA3**

**Groundmass:** homogenous fine

**Inclusions:** few mineral inclusions; characteristic pores in the clay; a few accidental organic inclusions

**Remarks:** very similar to the modern Qena ware

**Reference:** Bourriau and Nordström 1993: 177, Plate v a–c, g–h

**Material: MA4**

**Groundmass:** medium to coarse

**Inclusions:** large quantity of fine to coarse sand; mica particles are also present; and some straw particles

**Reference:** Bourriau and Nordström 1993: 177–178, Plate v d–f, i–j

**Material: MB**

**Groundmass:** homogenous and very dense

**Inclusions:** without voids; abundant quantities (around 40% of the paste) of sand added as a temper

**Reference:** Bourriau and Nordström 1993: 178–179, Plate vi a–c, g–h

**Material: MC**

**Groundmass:** fine and dense

**Inclusions:** abundant more or less decomposed limestone particles; fine and medium sand added as a temper

**Reference:** Bourriau and Nordström 1993: 179–180

**Material: MD**

**Groundmass:** fine and homogenous

**Inclusions:** predominantly fine to coarse limestone particles added as a temper (25% of the paste); fine to coarse sand; mica; dark rock material

**Reference:** Bourriau and Nordström 1993: 181–182, Plate vii a–c, e–f

**Material: ME**

**Groundmass:** medium to coarse

**Inclusions:** very similar to MB except for straw particles, here very abundant medium to coarse; numerous medium to coarse sand; some mica

**Reference:** Bourriau and Nordström 1993: 182, Plate vii d

**Material: MF**

**Groundmass:** medium

**Inclusions:** abundant fine to medium sand, some mica and few red particles

**Reference:** Aston 1998: 66–67

**Lower Egyptian Culture: Maadi** (Rizkana and Seeher 1987: 23–33)

- 1a** Black ware, Nile alluvium, moderate temper (grains 1 mm and larger) of sand, and some crushed stones (usually limestone); also organic inclusions up to 10 mm in size
- 1b** Reddish brown ware, Nile alluvium, moderate temper (grains 1 mm and larger) of sand (rounded quartz grains), and some crushed stones (usually limestone); also organic inclusions up to 10 mm in size
- 1c** Local painted ware, Nile alluvium, moderate temper (grains 1 mm and larger) of sand, and some crushed stones (usually limestone); also organic inclusions up to 10 mm in size
- 1d** Local black-topped ware, Nile alluvium, moderate temper (grains 1 mm and larger) of sand, and some crushed stones (usually limestone); also organic inclusions up to 10 mm in size
- II** Red burnished ware, Nile alluvium with grit temper (grains smaller than 1 mm) consisting of sand and sometimes crushed limestone; organic inclusions are very rare
- III** Yellowish washed ware, Nile alluvium with thin brownish, reddish yellow, yellowish green, greyish green slip (“desert clay slip”); no organic inclusions, large amounts of sand and crushed limestone particles smaller than 1 mm
- IV** Imported (from Upper Egypt) black-topped ware, Nile alluvium with small amounts of very small grains of sand and ground stone
- v** Palestinian ware

**Naqada II–III: Adaima** (Buchež 2002: 173–176)

- AM1** fine Nile clay, with sand equal to or greater than 250 microns
- AM2** medium Nile clay, with sand of medium size (50 to 500 microns)
- AM3** coarse Nile clay with coarse sand (to 500 microns)
- AM4** fine Nile clay with sand and large particles of feldspar
- AV1** fine Nile clay with numerous straw particles
- AV2** fine Nile clay with organic inclusions (ruminant excrement)
- AV3** Nile clay with carbonized particles, probably ash used as temper
- AO4** Nile clay with long and very fine organic particles, but not of plant origin (perhaps animal fur)
- AVC5** Nile clay with fine and short organic inclusions and lime particles
- AV6** medium fine Nile sandy clay with fine and short plant particles
- AV7** coarse Nile sandy clay with fine and medium fine plant remains
- AV8** Nile clay with coarse mineral particles (quartz equal to or greater than 0.07 mm) and fine plant remains
- AV9** Nile sandy clay with rare coarse plant remains
- C1** red-orange clay with abundant lime particles
- C2** dense clay with very small rare quartz and white diffused particles
- C4** red-orange clay with rare lime particles
- CV** marl clay with organic inclusions
- CM** marl clay with quartz
- P** clay, probably from an oasis

### **Bibliography for Clay Descriptions, Volume 1**

- Aston, D. A. 1998. *Die Grabungen des Pelizaeus-Museums Hildesheim in Qantir, Pi-Ramesse. Die Keramik des Grabungsplatzes Q 1. Teil 1. Corpus of Fabrics, Wares and Shapes*. Mainz am Rhein: Philipp von Zabern.
- Buchez, N. 2002. Le mobilier céramique. In *Adaïma. 1. Économie et habitat*, edited by B. Midant-Reynes, 169–289. Cairo: IFAO.
- Bourriau, J. D., and H. Å. Nordström. 1993. Ceramic Technology: Clays and Fabrics. In *An Introduction to Ancient Egyptian Pottery*, edited by D. Arnold and J. D. Bourriau, 143–190, *SDAIK* 17. Mainz am Rhein: Philipp von Zabern.
- Rizkana, I., and J. Seeher. 1987. *Maadi I. The Pottery of the Predynastic Settlement*, AV 64. Mainz am Rhein: Philipp von Zabern.

## Fayum A, Neolithic

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**5300–4200 B.C.**

### **Site**

Neolithic culture Fayum A was identified among material from the sites of Kom κ and Kom w on the north side of Lake Moeris, at the northern rim of the Fayum. Subterranean silos for storing grain were found at Upper κ associated with Kom κ.

### **Material**

All the Fayum A ceramics are made of coarse Nile clay and are full of chaff.

### **Manufacture**

This early Egyptian pottery was handmade, using the simplest method of construction, known as pinching and hollowing.

### **Surface**

The surfaces of Fayum A pots can be described as follows: red/black-slipped, unpolished slipped, rough-faced brown or red-polished with horizontal smears below the rim, and, rarely, black-polished and unpolished slipped. There is no evidence of decoration of any kind.

### **Types**

These early ceramics are characterized by their simple shapes. Caton-Thompson (Caton-Thompson and Gardner 1934: 35) grouped the Fayum pots into five categories: small bowls and cups, cooking bowls and pots, pedestalled cups, cups with knobbed feet, and rectangular dishes with peaked rims.

Shapes of the large vessels are simple ovoids or bag-like. Bowls have straight or slightly flaring walls. All the pots have very simple rims, in most cases incurved. Bases of the vessels are predominantly flat, but rounded and knob-shaped are also present.

For photos of ceramics representative of this period, see Color Plates 1 and 2.

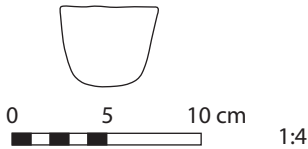
### **Bibliography**

Caton-Thompson, G., and E. W. Gardner. 1934. *The Desert Fayum*. London: The Royal Anthropological Institute of Great Britain and Ireland.

### Fayum A 1

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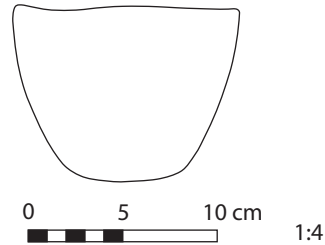
**Site:** Fayum  
**Shape:** small bowl with slightly flaring walls and flattened base  
**Material:** rough red  
**Manufacture:** handmade  
**Surface:** plain  
**Reference:** Caton-Thompson and Gardner 1934: Plate XVIII, 15  
**Dating:** Fayum A



### Fayum A 2

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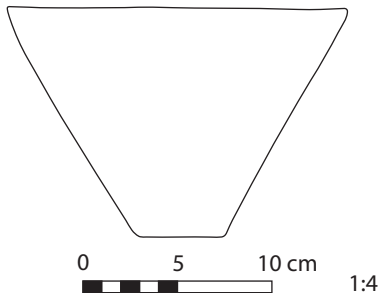
**Site:** Fayum  
**Shape:** deep bowl with slightly flaring walls and flattened base  
**Material:** rough pinky-gray  
**Manufacture:** handmade  
**Surface:** plain  
**Reference:** Caton-Thompson and Gardner 1934: Plate XVIII, 1  
**Dating:** Fayum A  
**Representative Example:** similar to Color Plate 1.2



### Fayum A 3

---

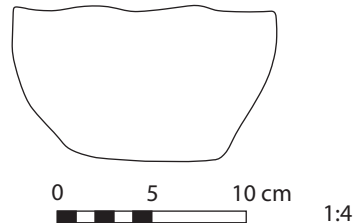
**Site:** Fayum  
**Shape:** deep bowl with flaring walls and flat base  
**Material:** rough red-brown  
**Manufacture:** handmade  
**Surface:** plain  
**Reference:** Caton-Thompson and Gardner 1934: Plate XVIII, 4  
**Dating:** Fayum A  
**Representative Example:** similar to Color Plate 1.4



### Fayum A 4

---

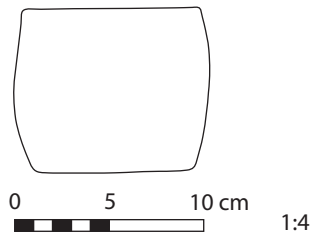
**Site:** Fayum  
**Shape:** simple bowl with incurved walls and flat base  
**Material:** rough mottled  
**Manufacture:** handmade  
**Surface:** plain  
**Reference:** Caton-Thompson and Gardner 1934: Plate XVIII, 6  
**Dating:** Fayum A



### Fayum A 5

---

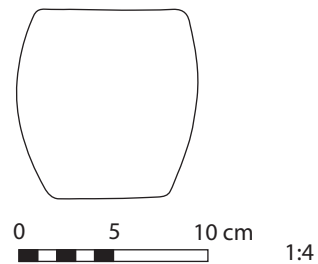
**Site:** Fayum  
**Shape:** simple bowl with incurved walls and flat base  
**Material:** rough mottled  
**Manufacture:** handmade  
**Surface:** plain  
**Reference:** Caton-Thompson and Gardner 1934: Plate XVIII, 6  
**Dating:** Fayum A



### Fayum A 6

---

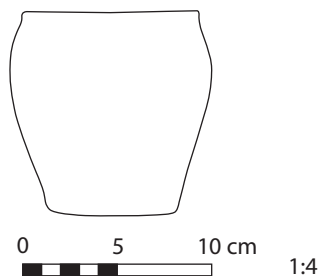
**Site:** Fayum  
**Shape:** deep bowl with slightly incurved walls and flat base  
**Material:** rough pinky-gray  
**Manufacture:** handmade  
**Surface:** plain  
**Reference:** Caton-Thompson and Gardner 1934: Plate XVIII, 11  
**Dating:** Fayum A  
**Representative Example:** similar to Color Plate 2.3



### Fayum A 7

---

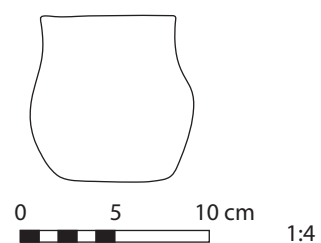
**Site:** Fayum  
**Shape:** deep vessel with rounded shoulder, slightly recurved rim, and flat base  
**Material:** rough red  
**Manufacture:** handmade  
**Surface:** plain  
**Reference:** Caton-Thompson and Gardner 1934: Plate XVIII, 10  
**Dating:** Fayum A



### Fayum A 8

---

**Site:** Fayum  
**Shape:** carinated vessel with rounded shoulder, long neck, slightly recurved rim, and flat base  
**Material:** rough pinky-buff  
**Manufacture:** handmade  
**Surface:** plain  
**Reference:** Caton-Thompson and Gardner 1934: Plate XVIII, 14  
**Dating:** Fayum A





### Fayum A 9

---

**Site:** Fayum

**Shape:** ovoid-shaped pot with incurved rim and rounded base

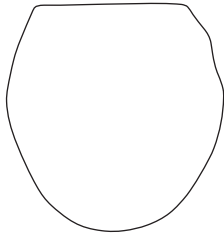
**Material:** dark gray

**Manufacture:** handmade

**Surface:** polished

**Reference:** Caton-Thompson and Gardner  
1934: Plate XVIII, 22

**Dating:** Fayum A



1:4

### Fayum A 10

---

**Site:** Fayum

**Shape:** bag-shaped pot with slightly recurved rim and rounded base

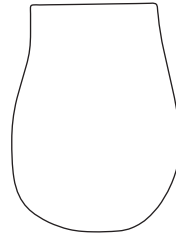
**Material:** rough red-gray

**Manufacture:** handmade

**Surface:** plain

**Reference:** Caton-Thompson and Gardner  
1934: Plate XVIII, 20

**Dating:** Fayum A



1:4

### Fayum A 11

---

**Site:** Fayum

**Shape:** ovoid-shaped pot with incurved rim and rounded base

**Material:** rough red-brown

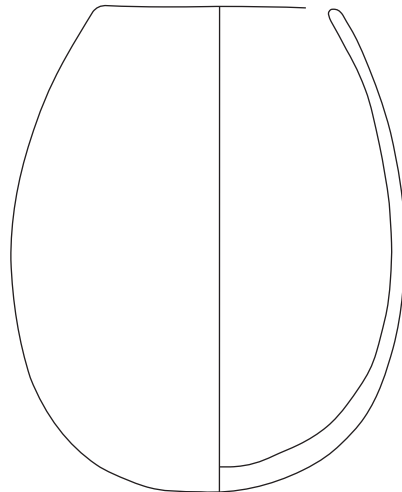
**Manufacture:** handmade

**Surface:** plain

**Reference:** Caton-Thompson and Gardner 1934:  
Plate xx, 44

**Dating:** Fayum A

**Representative Example:** similar to  
Color Plate 1.3



1:4

## Fayum A 12

---

**Site:** Fayum

**Shape:** ovoid-shaped pot with incurved rim and flat base

**Material:** rough red-brown

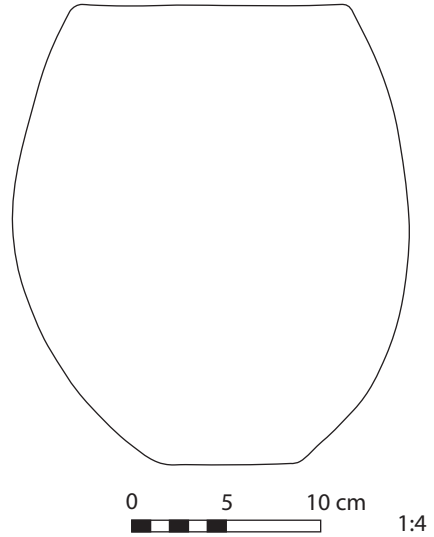
**Manufacture:** handmade

**Surface:** plain

**Reference:** Caton-Thompson and Gardner 1934:  
Plate XVIII, 28

**Dating:** Fayum A

**Representative Example:** similar to  
Color Plate 1.3



## Fayum A 13

---

**Site:** Fayum

**Shape:** hemispherical pot with slightly incurved rim and rounded base

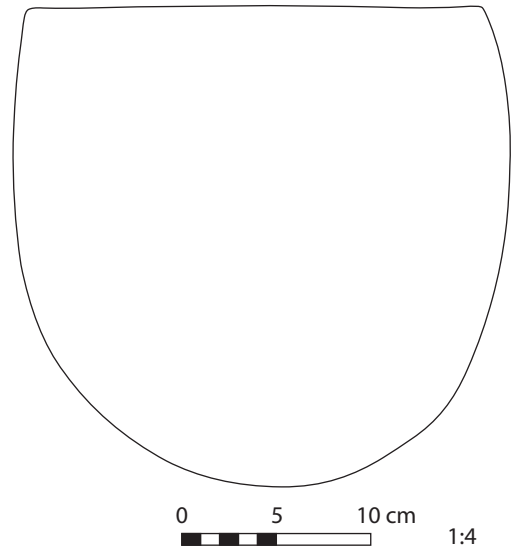
**Material:** rough red-brown

**Manufacture:** handmade

**Surface:** plain

**Reference:** Caton-Thompson and Gardner 1934:  
Plate XVIII, 30

**Dating:** Fayum A



## Fayum A 14

---

**Site:** Fayum

**Shape:** large vessel with straight, slightly incurved walls, and flattened base

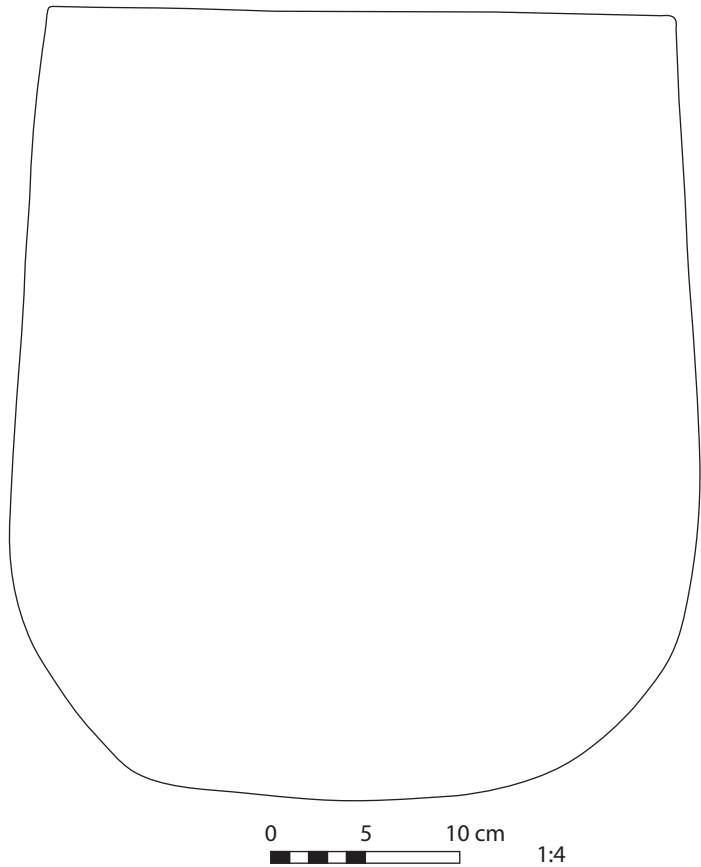
**Material:** rough red-brown

**Manufacture:** handmade

**Surface:** plain

**Reference:** Caton-Thompson and Gardner 1934: Plate XIX, 42

**Dating:** Fayum A



## Fayum A 15

---

**Site:** Fayum

**Shape:** large bag-shaped vessel with incurved walls and rounded base

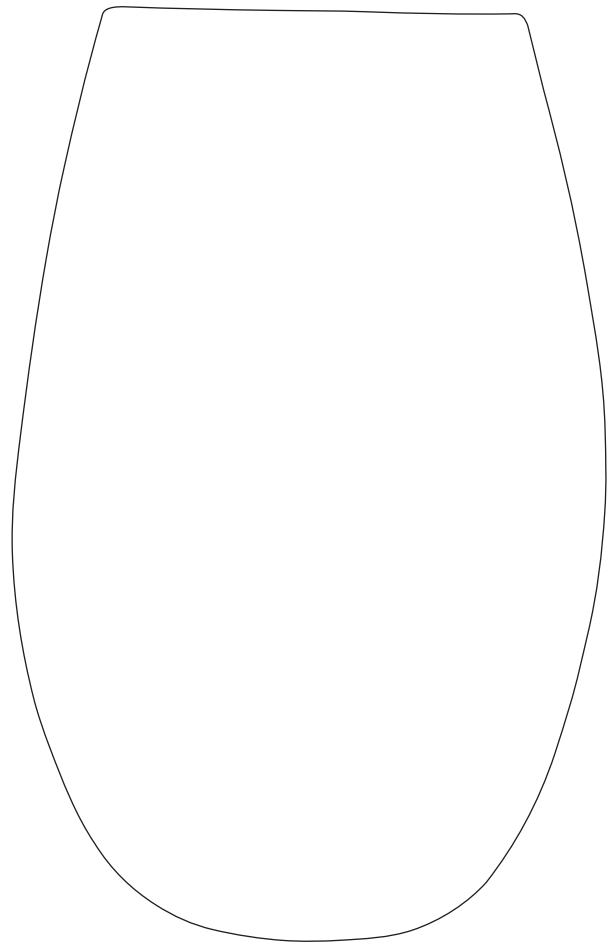
**Material:** rough red

**Manufacture:** handmade

**Surface:** plain

**Reference:** Caton-Thompson and Gardner 1934: Plate XIX, 41

**Dating:** Fayum A



0 5 10 cm

A horizontal scale bar with three segments. The first segment is labeled '0', the second '5', and the third '10 cm'. The segments are separated by small vertical lines.

1:4

## Fayum A 16

---

**Site:** Fayum

**Shape:** bag-shaped vessel with short neck, simple straight rim, and flat base

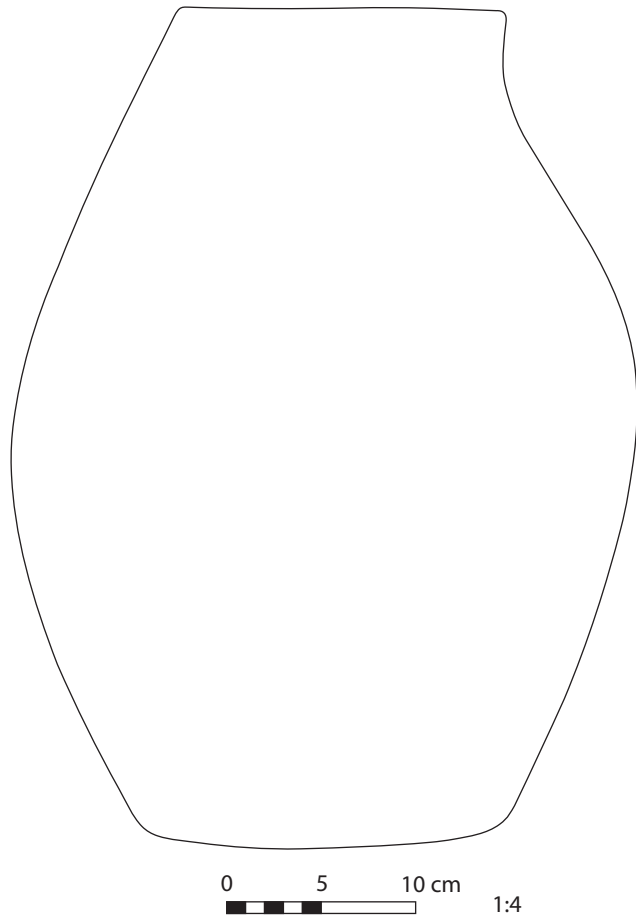
**Material:** rough mottled red

**Manufacture:** handmade

**Surface:** plain

**Reference:** Caton-Thompson and Gardner 1934: Plate XIX, 36

**Dating:** Fayum A



## Fayum A 17

---

**Site:** Fayum

**Shape:** large vessel with rounded shoulder, simple rim, and flat base

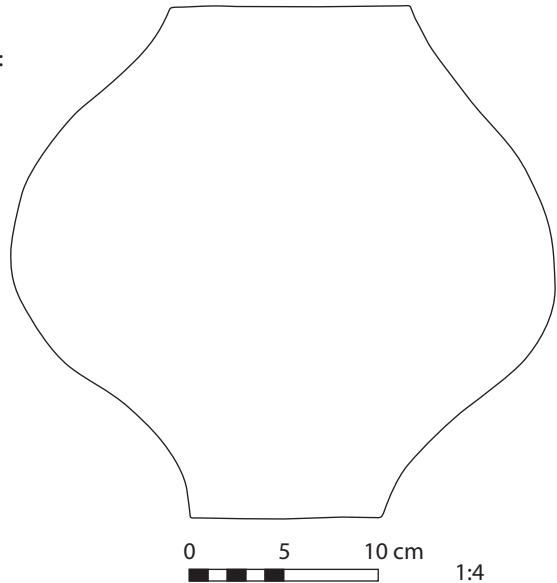
**Material:** rough red-brown

**Manufacture:** handmade

**Surface:** plain

**Reference:** Caton-Thompson and Gardner 1934:  
Plate xx, 45

**Dating:** Fayum A



## Fayum A 18

---

**Site:** Fayum

**Shape:** hemispherical bowl with flat base

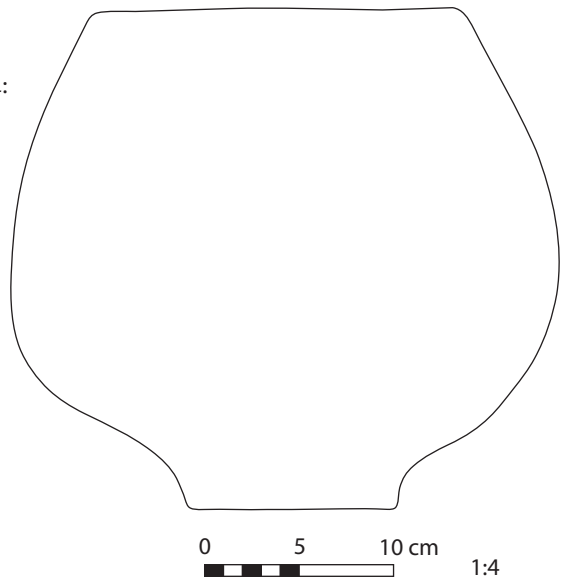
**Material:** rough red-brown

**Manufacture:** handmade

**Surface:** plain

**Reference:** Caton-Thompson and Gardner 1934:  
Plate xx, 46

**Dating:** Fayum A



## Fayum A 19

---

**Site:** Fayum

**Shape:** bowl with flaring walls and flat base

**Material:** rough red-gray

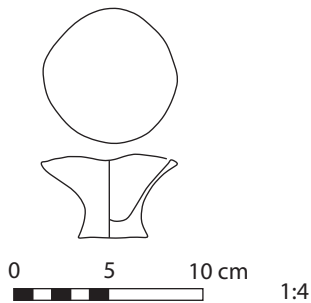
**Manufacture:** handmade

**Surface:** plain

**Reference:** Caton-Thompson and Gardner  
1934: Plate xx, 47

**Dating:** Fayum A

**Representative Example:** similar to  
Color Plate 2.1 and 2.2



## Fayum A 20

---

**Site:** Fayum

**Shape:** bowl with flaring walls and flat base

**Material:** rough pinky-buff

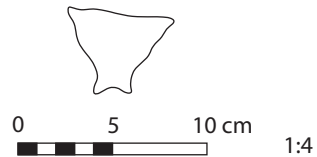
**Manufacture:** handmade

**Surface:** plain

**Reference:** Caton-Thompson and Gardner  
1934: Plate xx, 49

**Dating:** Fayum A

**Representative Example:** similar to  
Color Plate 2.1 and 2.2



## Fayum A 21

---

**Site:** Fayum

**Shape:** rectangular bowl with peaked rim and flat base

**Material:** rough red

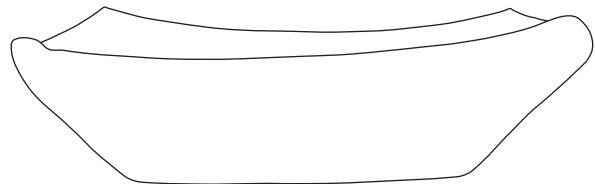
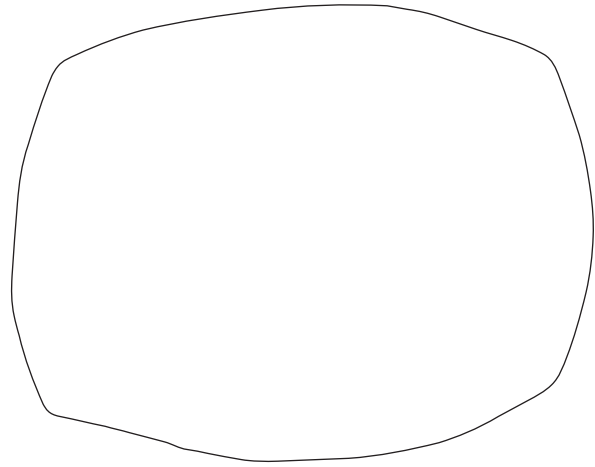
**Manufacture:** handmade

**Surface:** traces of polished surface

**Reference:** Caton-Thompson and Gardner 1934: Plate xx, 50

**Dating:** Fayum A

**Representative Example:** similar to Color Plate 1.1



0 5 10 cm 1:6

## Fayum A 22

---

**Site:** Fayum

**Shape:** rectangular bowl with peaked rim and flat base

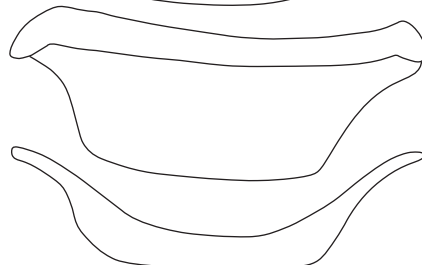
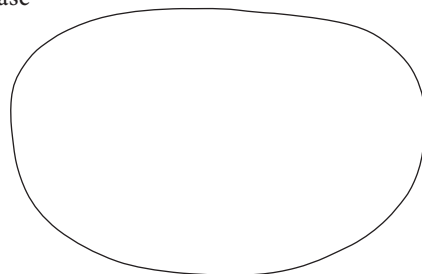
**Material:** rough brown-red

**Manufacture:** handmade

**Surface:** plain

**Reference:** Caton-Thompson and Gardner 1934: Plate xx, 52

**Dating:** Fayum A



0 5 10 cm 1:6





## Merimde Beni Salame, Neolithic

---

**5000–4400 B.C.**

### Site

Merimde Beni Salame is located on the western edge of the Delta, close to modern Cairo.

### Material

All the Merimde pots are made of Nile clay, primarily without inclusions. Later in the period, vessels are tempered with organic chaff material.

### Manufacture

Like the ceramics from Fayum A, the Merimde pottery was handmade by pinching and hollowing. The potters also probably started experimenting with slab construction.

### Surface

Vessels from Merimde are poorly fired, with a burnished surface that has visible traces of a hard tool. Some pots were also smoothed. Decoration is very rare. Incised decoration with a herringbone pattern applied before firing was typical for the early stage of the Merimde culture. In the later stages, applications and incised decorations were added to vessels, especially cooking pots.

### Types

The shapes in most cases are very simple: bowls with incurved rims and straight, relatively thick walls. Large oval trays appear in the later phase of the culture. Restricted vessels were also common, especially red burnished jars. Later more restricted vessels can be found, with round or cylindrical bodies. There were also large plates. Bases were not only rounded or flat, but also ring-shaped. In addition, there are a few cases known of a base in the shape of a human foot. Clay spoons are also known.

For photos of ceramics representative of this period, see Color Plate 3.

### Bibliography

- Arnold, D., C. Hope, P. T. Nicholson, and P. Rose. 1993. Techniques and Traditions of Manufacture in the Pottery of Ancient Egypt. In *An Introduction to Ancient Egyptian Pottery*, edited by D. Arnold and J. D. Bourriau, 6–141, *SDAIK* 17. Mainz am Rhein: Philipp von Zabern.
- Eiwanger, J. 1984. *Merimde-Benisalâme 1. Die Funde der Urschicht*, AV 47. Mainz am Rhein: Philipp von Zabern.
- . 1988. *Merimde-Benisalâme 2. Die Funde der mittleren Merimdekultur*, AV 51. Mainz am Rhein: Philipp von Zabern.
- . 1992. *Merimde-Benisalâme 3. Die Funde der jüngeren Merimdekultur*, AV 59. Mainz am Rhein: Philipp von Zabern.

## Merimde 1

---

**Site:** Merimde

**Shape:** medium large bowl with straight rim

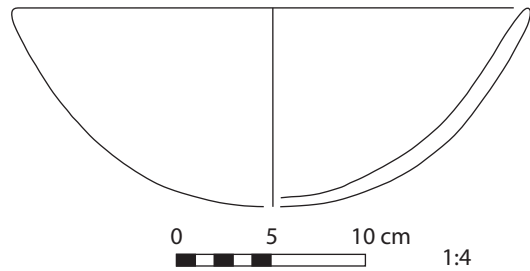
**Material:** Nile clay

**Manufacture:** handmade

**Surface:** horizontally burnished

**Reference:** Eiwanger 1984: 66, Plate 2.1.18

**Dating:** Merimde I



## Merimde 2

---

**Site:** Merimde

**Shape:** small bowl with straight rim and rounded base

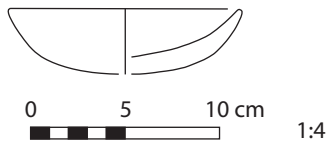
**Material:** Nile clay

**Manufacture:** handmade

**Surface:** plain

**Reference:** Eiwanger 1984: 96, Plate 37.1.674

**Dating:** Merimde I



## Merimde 3

---

**Site:** Merimde

**Shape:** medium bowl with steep walls

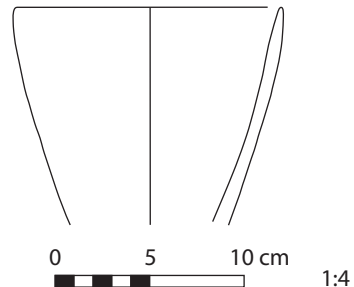
**Material:** Nile clay

**Manufacture:** handmade

**Surface:** horizontally burnished

**Reference:** Eiwanger 1984: 68, Plate 4.1.45

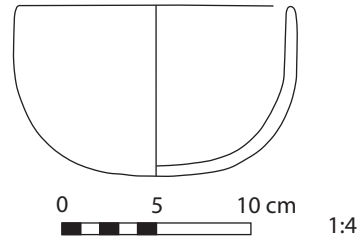
**Dating:** Merimde I



## Merimde 4

---

**Site:** Merimde  
**Shape:** hemispherical bowl  
**Material:** Nile clay  
**Manufacture:** handmade  
**Surface:** horizontally burnished  
**Reference:** Eiwanger 1984: 72, Plate 10.1.167  
**Dating:** Merimde I



## Merimde 5

---

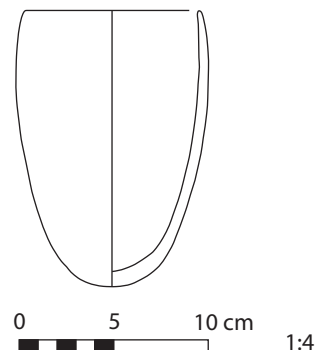
**Site:** Merimde  
**Shape:** bowl with steep walls and rounded base  
**Material:** Nile clay  
**Manufacture:** handmade  
**Surface:** horizontally burnished  
**Reference:** Eiwanger 1984: 73, Plate 11.1.179  
**Dating:** Merimde I



## Merimde 6

---

**Site:** Merimde  
**Shape:** vessel with slightly incurved rim and rounded base  
**Material:** Nile clay  
**Manufacture:** handmade  
**Surface:** horizontally burnished  
**Reference:** Eiwanger 1984: 73, Plate 11.1.186  
**Dating:** Merimde I



## Merimde 7

---

**Site:** Merimde

**Shape:** very small vessel with straight rim and rounded base

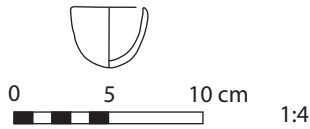
**Material:** Nile clay

**Manufacture:** handmade

**Surface:** plain

**Reference:** Eiwanger 1984: 96, Plate 37.I.679

**Dating:** Merimde I



## Merimde 8

---

**Site:** Merimde

**Shape:** very small vessel with incurved rim

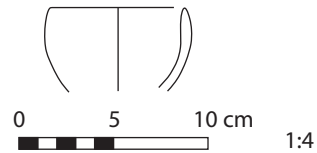
**Material:** Nile clay

**Manufacture:** handmade

**Surface:** plain

**Reference:** Eiwanger 1984: 97, Plate 37.I.681

**Dating:** Merimde I



## Merimde 9

---

**Site:** Merimde

**Shape:** bowl with slightly incurved rim

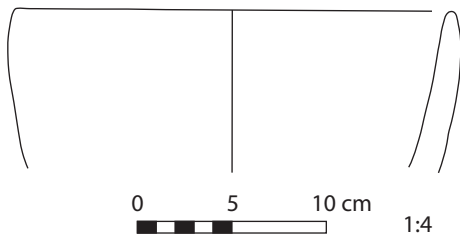
**Material:** Nile clay

**Manufacture:** handmade

**Surface:** diagonally burnished

**Reference:** Eiwanger 1988: 57, Plate 1.II.2

**Dating:** Merimde II



## Merimde 10

---

**Site:** Merimde

**Shape:** bowl with slightly incurved rim

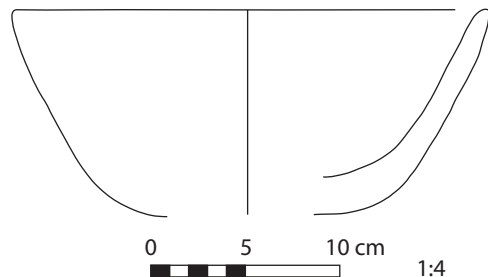
**Material:** Nile clay

**Manufacture:** handmade

**Surface:** plain

**Reference:** Eiwanger 1988: 81, Plate 24.II.507

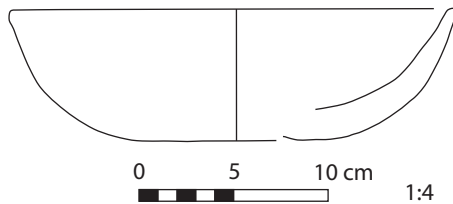
**Dating:** Merimde II



### Merimde 11

---

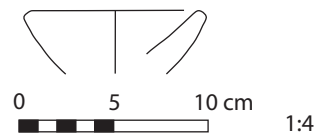
**Site:** Merimde  
**Shape:** bowl with flat base  
**Material:** Nile clay  
**Manufacture:** handmade  
**Surface:** diagonally burnished  
**Reference:** Eiwanger 1988: 74, Plate 17. II.362  
**Dating:** Merimde II



### Merimde 12

---

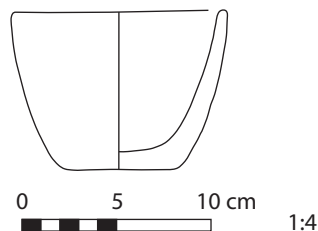
**Site:** Merimde  
**Shape:** small bowl with flaring rim  
**Material:** Nile clay  
**Manufacture:** handmade  
**Surface:** plain  
**Reference:** Eiwanger 1988: 82, Plate 25. II.533  
**Dating:** Merimde II



### Merimde 13

---

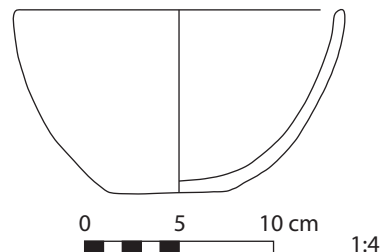
**Site:** Merimde  
**Shape:** bowl with slightly incurved rim and flat base  
**Material:** Nile clay  
**Manufacture:** handmade  
**Surface:** horizontally burnished inside, diagonally burnished outside  
**Reference:** Eiwanger 1988: 59, Plate 3. II.42  
**Dating:** Merimde II



### Merimde 14

---

**Site:** Merimde  
**Shape:** bowl with incurved sides and flat base  
**Material:** Nile clay  
**Manufacture:** handmade  
**Surface:** diagonally burnished outside  
**Reference:** Eiwanger 1992: 78, Plate 1. IV.10  
**Dating:** Merimde IV



## Merimde 15

---

**Site:** Merimde

**Shape:** vessel with incurved rim

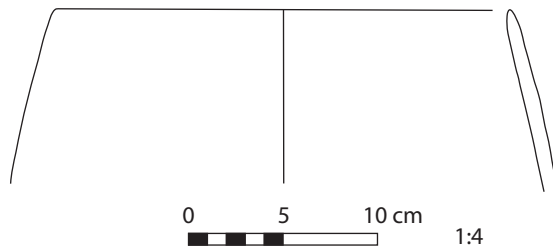
**Material:** Nile clay

**Manufacture:** handmade

**Surface:** horizontally burnished outside, diagonally burnished inside

**Reference:** Eiwanger 1984: 73, Plate 11.1.190

**Dating:** Merimde I



## Merimde 16

---

**Site:** Merimde

**Shape:** large vessel with slightly incurved sides

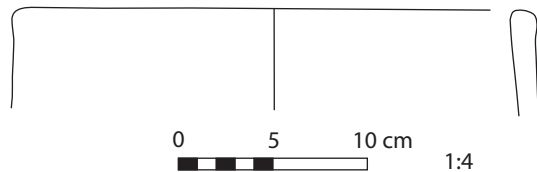
**Material:** Nile clay

**Manufacture:** handmade

**Surface:** horizontally burnished outside

**Reference:** Eiwanger 1992: 81, Plate 6.IV.61

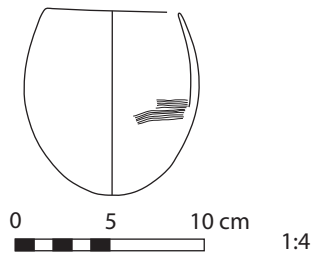
**Dating:** Merimde IV



### Merimde 17

---

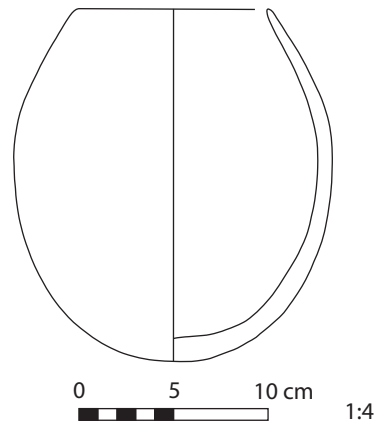
**Site:** Merimde  
**Shape:** vessel with incurved rim and rounded base  
**Material:** Nile clay  
**Manufacture:** handmade  
**Surface:** horizontally burnished outside  
**Reference:** Eiwanger 1984: 77, Plate 15.I.268  
**Dating:** Merimde I



### Merimde 18

---

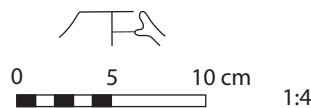
**Site:** Merimde  
**Shape:** vessel with incurved rim and rounded base  
**Material:** Nile clay  
**Manufacture:** handmade  
**Surface:** horizontally burnished outside  
**Reference:** Eiwanger 1984: 77, Plate 16.I.279  
**Dating:** Merimde I



### Merimde 19

---

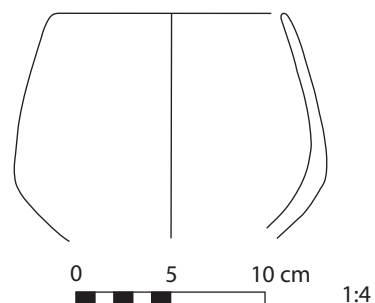
**Site:** Merimde  
**Shape:** jar with internal ledge  
**Material:** Nile clay  
**Manufacture:** handmade  
**Surface:** horizontally burnished outside  
**Reference:** Eiwanger 1992: 86, Plate 13.IV.145  
**Dating:** Merimde IV



### Merimde 20

---

**Site:** Merimde  
**Shape:** vessel with incurved rim and bent walls  
**Material:** Nile clay  
**Manufacture:** handmade  
**Surface:** plain  
**Reference:** Eiwanger 1984: 93, Plate 34.I.607  
**Dating:** Merimde I





## Merimde 21

---

**Site:** Merimde

**Shape:** vessel with incurved rim and bent walls

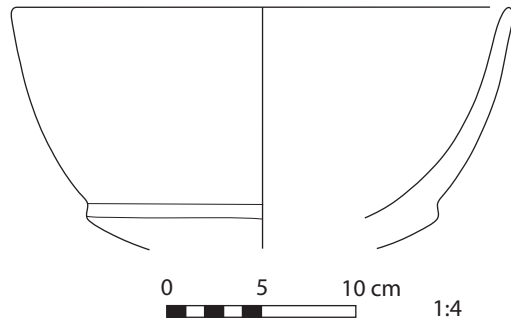
**Material:** Nile clay

**Manufacture:** handmade

**Surface:** plain

**Reference:** Eiwanger 1984: 94, Plate 35.1.624

**Dating:** Merimde I



## Merimde 22

---

**Site:** Merimde

**Shape:** vessel with bent walls

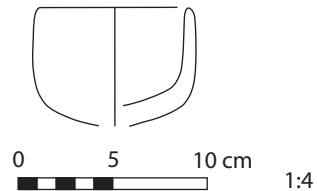
**Material:** Nile clay

**Manufacture:** handmade

**Surface:** plain

**Reference:** Eiwanger 1984: 94, Plate 35.1.625

**Dating:** Merimde I



## Merimde 23

---

**Site:** Merimde

**Shape:** vessel with incurved rim

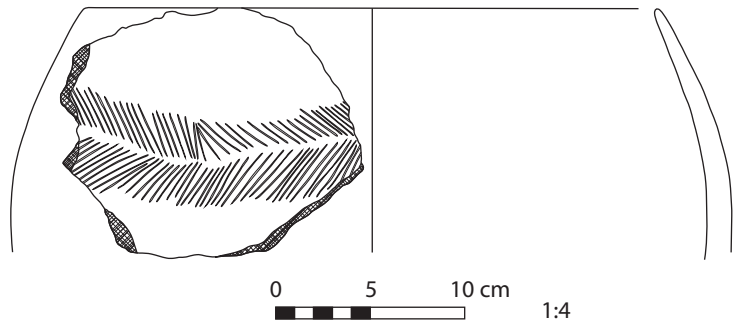
**Material:** Nile clay

**Manufacture:** handmade

**Surface:** horizontally burnished outside, with incised decoration of herringbone pattern

**Reference:** Eiwanger 1984: 80, Plate 18.1.330

**Dating:** Merimde I



## Merimde 24

---

**Site:** Merimde

**Shape:** vessel with incurved rim

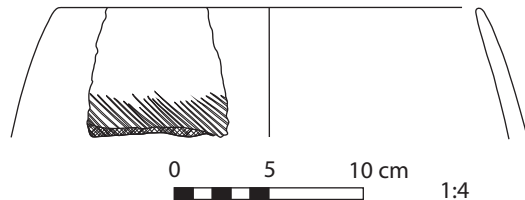
**Material:** Nile clay

**Manufacture:** handmade

**Surface:** horizontally burnished outside, with incised decoration of herringbone pattern;  
diagonally burnished inside

**Reference:** Eiwanger 1984: 80, Plate 18.1.336

**Dating:** Merimde I



### Merimde 25

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**Site:** Merimde

**Shape:** bowl with slightly incurved rim and flat base

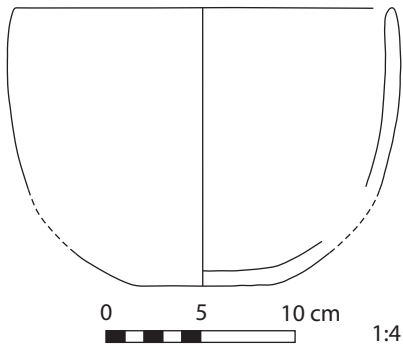
**Material:** Nile clay

**Manufacture:** handmade

**Surface:** horizontally burnished inside, diagonally outside

**Reference:** Eiwanger 1988: 62, Plate 6.II.111

**Dating:** Merimde II



### Merimde 26

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**Site:** Merimde

**Shape:** hemispherical cup with flat base

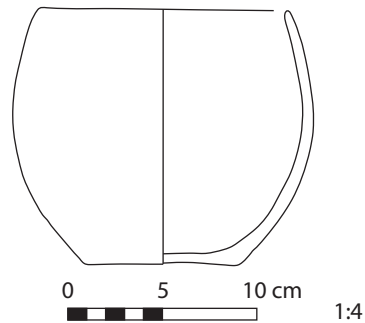
**Material:** Nile clay

**Manufacture:** handmade

**Surface:** horizontally burnished at rim, diagonally on body

**Reference:** Eiwanger 1992: 81, Plate 6.OF.2

**Dating:** Merimde III



### Merimde 27

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**Site:** Merimde

**Shape:** bowl with incurved walls and rounded base

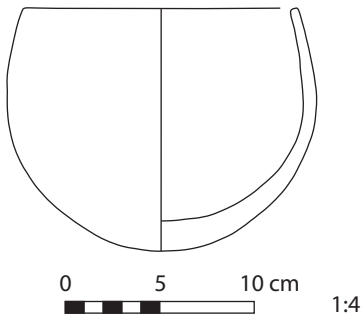
**Material:** Nile clay

**Manufacture:** handmade

**Surface:** horizontally burnished outside

**Reference:** Eiwanger 1988: 66, Plate 11.II.195

**Dating:** Merimde II



### Merimde 28

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**Site:** Merimde

**Shape:** deep bowl with straight rim and flat base

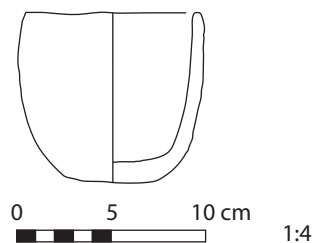
**Material:** Nile clay

**Manufacture:** handmade

**Surface:** plain

**Reference:** Eiwanger 1988: 81, Plate 25.II.528

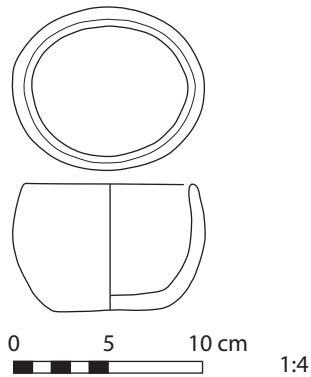
**Dating:** Merimde II



### Merimde 29

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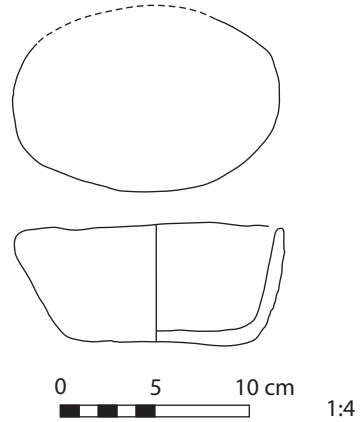
**Site:** Merimde  
**Shape:** oval bowl with slightly incurved rim and flat base  
**Material:** Nile clay  
**Manufacture:** handmade  
**Surface:** plain  
**Reference:** Eiwanger 1988: 87, Plate 32.II.683  
**Dating:** Merimde II



### Merimde 30

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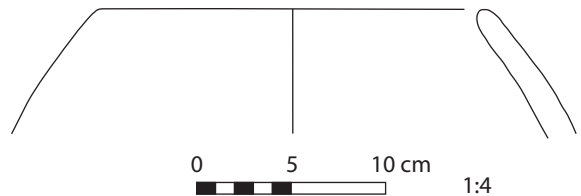
**Site:** Merimde  
**Shape:** oval bowl with slightly incurved rim and flat base  
**Material:** Nile clay  
**Manufacture:** handmade  
**Surface:** plain  
**Reference:** Eiwanger 1988: 87, Plate 32.II.669  
**Dating:** Merimde II



### Merimde 31

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**Site:** Merimde  
**Shape:** vessel with incurved walls  
**Material:** Nile clay  
**Manufacture:** handmade  
**Surface:** horizontally burnished  
**Reference:** Eiwanger 1988: 67, Plate 12.II.220  
**Dating:** Merimde II



### Merimde 32

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**Site:** Merimde

**Shape:** bowl with incurved walls

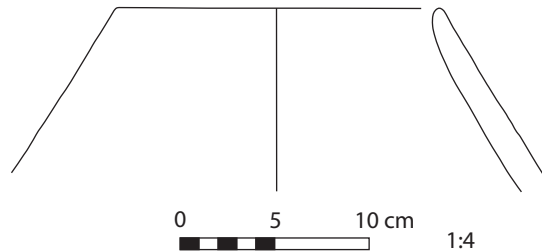
**Material:** Nile clay

**Manufacture:** handmade

**Surface:** diagonally burnished outside

**Reference:** Eiwanger 1988: 65, Plate 11.II.182

**Dating:** Merimde II



### Merimde 33

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**Site:** Merimde

**Shape:** vessel with incurved walls

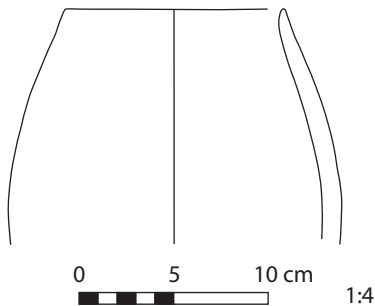
**Material:** Nile clay

**Manufacture:** handmade

**Surface:** diagonally burnished outside

**Reference:** Eiwanger 1988: 67, Plate 12.II.215

**Dating:** Merimde II



### Merimde 34

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**Site:** Merimde

**Shape:** vessel with incurved walls

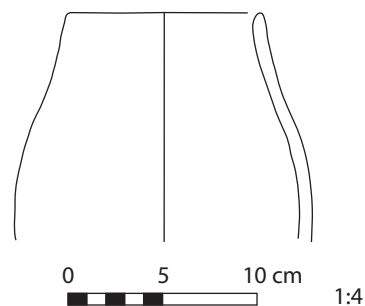
**Material:** Nile clay

**Manufacture:** handmade

**Surface:** burnished outside, horizontally on the rim, diagonally on the body

**Reference:** Eiwanger 1988: 71, Plate 15.II.295

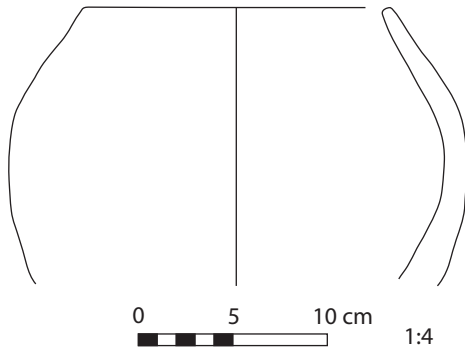
**Dating:** Merimde II



### Merimde 35

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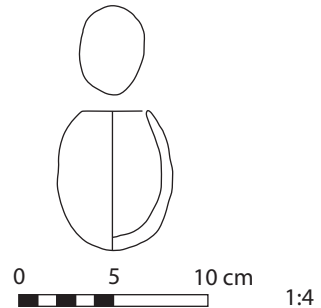
**Site:** Merimde  
**Shape:** vessel with incurved walls  
**Material:** Nile clay  
**Manufacture:** handmade  
**Surface:** diagonally burnished outside  
**Reference:** Eiwanger 1988: 67, Plate 12.II.222  
**Dating:** Merimde II



### Merimde 36

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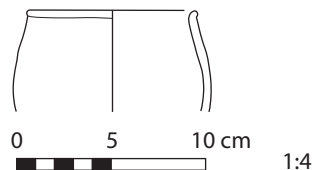
**Site:** Merimde  
**Shape:** small ovoid jar  
**Material:** Nile clay  
**Manufacture:** handmade  
**Surface:** horizontally burnished outside  
**Reference:** Eiwanger 1988: 73, Plate 16.II.333  
**Dating:** Merimde II



### Merimde 37

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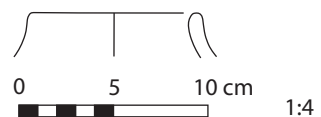
**Site:** Merimde  
**Shape:** jar with slightly recurved rim  
**Material:** Nile clay  
**Manufacture:** handmade  
**Surface:** horizontally burnished inside,  
diagonally outside  
**Reference:** Eiwanger 1988: 80, Plate 22.II.483  
**Dating:** Merimde II



### Merimde 38

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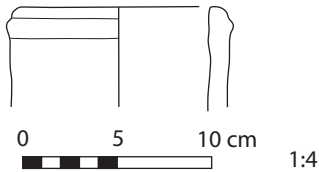
**Site:** Merimde  
**Shape:** vessel with incurved walls  
**Material:** Nile clay  
**Manufacture:** handmade  
**Surface:** horizontally burnished  
**Reference:** Eiwanger 1988: 71, Plate 15.II.293  
**Dating:** Merimde II



### Merimde 39

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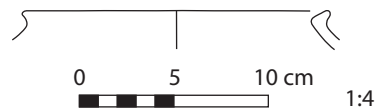
**Site:** Merimde  
**Shape:** jar with small collar  
**Material:** Nile clay  
**Manufacture:** handmade  
**Surface:** plain  
**Reference:** Eiwanger 1988: 86, Plate 31.II.648  
**Dating:** Merimde II



### Merimde 40

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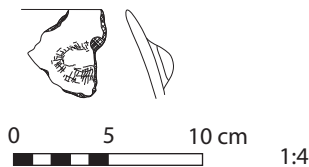
**Site:** Merimde  
**Shape:** jar with flaring rim  
**Material:** Nile clay  
**Manufacture:** handmade  
**Surface:** horizontally burnished outside  
**Reference:** Eiwanger 1988: 73, Plate 16.II.340  
**Dating:** Merimde II



### Merimde 41

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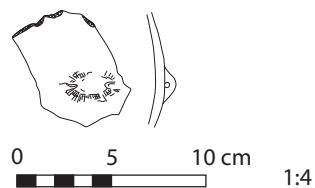
**Site:** Merimde  
**Shape:** vessel with incurved rim with a pierced knob below rim  
**Material:** Nile clay  
**Manufacture:** handmade  
**Surface:** horizontally burnished outside  
**Reference:** Eiwanger 1984: 86, Plate 21.I.440  
**Dating:** Merimde I



### Merimde 42

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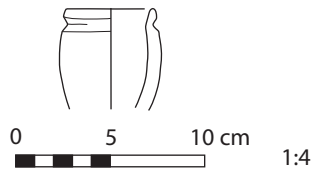
**Site:** Merimde  
**Shape:** vessel with incurved rim with a pierced knob below rim  
**Material:** Nile clay  
**Manufacture:** handmade  
**Surface:** horizontally burnished outside  
**Reference:** Eiwanger 1984: 86, Plate 21.I.443  
**Dating:** Merimde I



### Merimde 43

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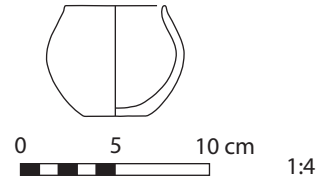
**Site:** Merimde  
**Shape:** small jar with rounded rim and ovoid body  
**Material:** Nile clay  
**Manufacture:** handmade  
**Surface:** horizontally burnished outside  
**Reference:** Eiwanger 1988: 73, Plate 16.II.329  
**Dating:** Merimde II



### Merimde 44

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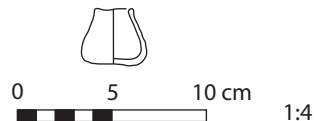
**Site:** Merimde  
**Shape:** small jar with incurved rim and flat base  
**Material:** Nile clay  
**Manufacture:** handmade  
**Surface:** horizontally burnished  
**Reference:** Eiwanger 1988: 73, Plate 16.II.331  
**Dating:** Merimde II



### Merimde 45

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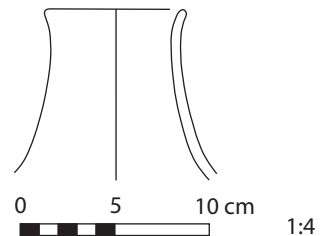
**Site:** Merimde  
**Shape:** small pear-shaped jar with incurved rim and flat base  
**Material:** Nile clay  
**Manufacture:** handmade  
**Surface:** horizontally burnished outside, inside diagonally  
**Reference:** Eiwanger 1988: 73, Plate 16.II.332  
**Dating:** Merimde II



### Merimde 46

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**Site:** Merimde  
**Shape:** jar with long neck and slightly recurved rim  
**Material:** Nile clay  
**Manufacture:** handmade  
**Surface:** vertically and diagonally burnished outside  
**Reference:** Eiwanger 1992: 85, Plate 12.V.19  
**Dating:** Merimde V





### Merimde 47

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**Site:** Merimde

**Shape:** large ovoid jar with flat base

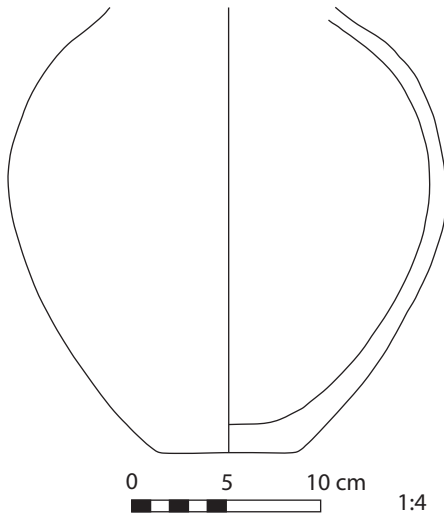
**Material:** Nile clay

**Manufacture:** handmade

**Surface:** diagonally burnished

**Reference:** Eiwanger 1992: 91, Plate 18.v.48

**Dating:** Merimde v



### Merimde 48

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**Site:** Merimde

**Shape:** large jar with spherical body and long neck

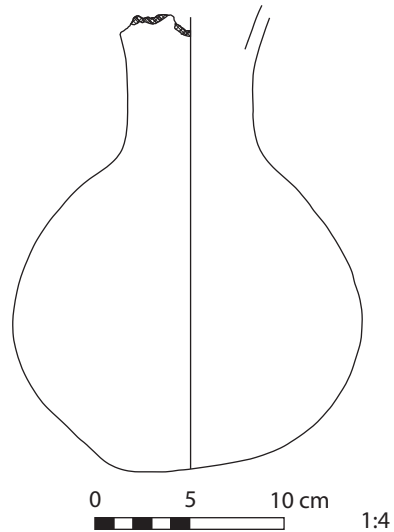
**Material:** Nile clay

**Manufacture:** handmade

**Surface:** body horizontally burnished and neck vertically burnished

**Reference:** Eiwanger 1992: 85, Plate 12.v.22

**Dating:** Merimde v



## Merimde 49

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**Site:** Merimde

**Shape:** vessel with flaring walls

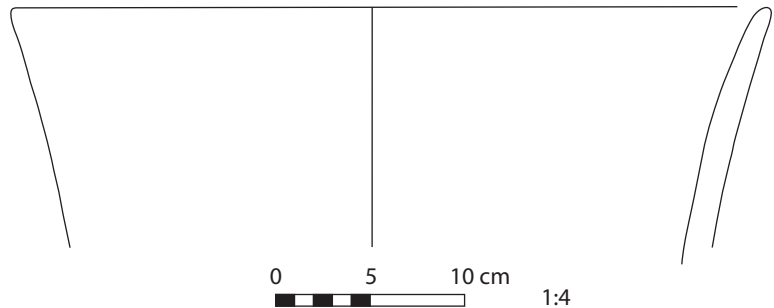
**Material:** Nile clay

**Manufacture:** handmade

**Surface:** plain

**Reference:** Eiwanger 1984: 94, Plate 35.I.623

**Dating:** Merimde I



## Merimde 50

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**Site:** Merimde

**Shape:** vessel with flaring walls

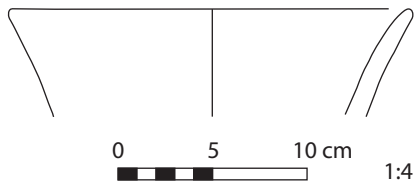
**Material:** Nile clay

**Manufacture:** handmade

**Surface:** horizontally burnished outside,  
inside diagonally burnished

**Reference:** Eiwanger 1988: 71, Plate 15.II.288

**Dating:** Merimde II



## Merimde 51

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**Site:** Merimde

**Shape:** bowl with flaring rim

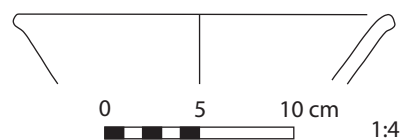
**Material:** Nile clay

**Manufacture:** handmade

**Surface:** horizontally burnished inside and  
along rim zone, diagonally outside

**Reference:** Eiwanger 1988: 73, Plate 16.II.334

**Dating:** Merimde II



## Merimde 52

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**Site:** Merimde

**Shape:** bowl with flaring walls

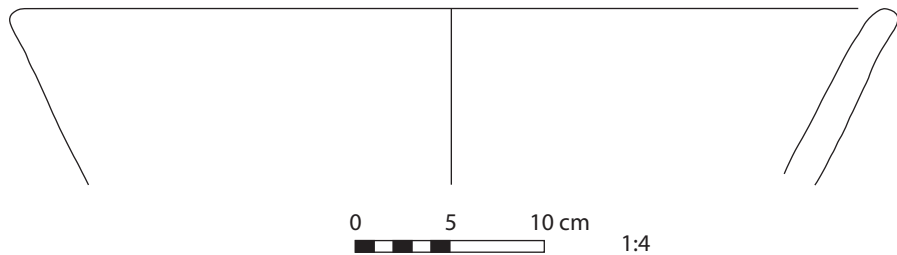
**Material:** Nile clay

**Manufacture:** handmade

**Surface:** horizontally and diagonally burnished

**Reference:** Eiwanger 1988: 59, Plate 3.II.50

**Dating:** Merimde II



## Merimde 53

---

**Site:** Merimde

**Shape:** large bowl with flat-topped rim

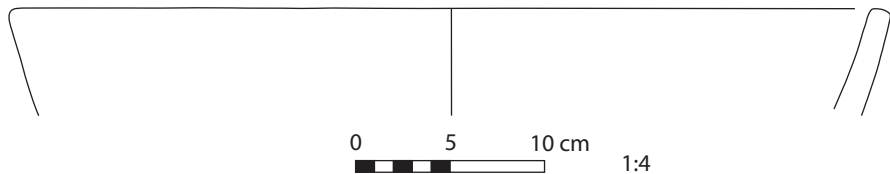
**Material:** Nile clay

**Manufacture:** handmade

**Surface:** horizontally burnished

**Reference:** Eiwanger 1988: 80, Plate 22.II.485

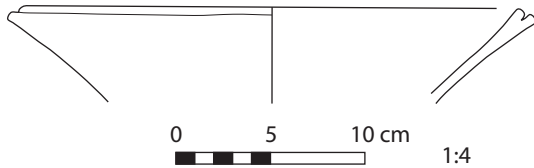
**Dating:** Merimde II



### Merimde 54

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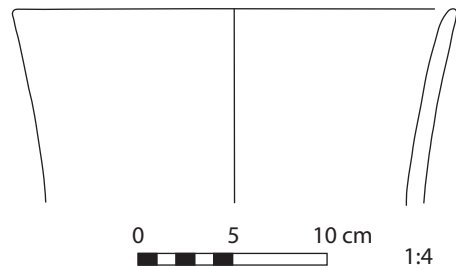
**Site:** Merimde  
**Shape:** bowl with flaring walls with groove in rim  
**Material:** Nile clay  
**Manufacture:** handmade  
**Surface:** horizontally burnished  
**Reference:** Eiwanger 1992: 86, Plate 12.IV.137  
**Dating:** Merimde IV



### Merimde 55

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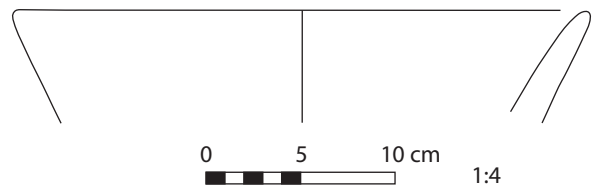
**Site:** Merimde  
**Shape:** bowl with flaring walls  
**Material:** Nile clay  
**Manufacture:** handmade  
**Surface:** horizontally and diagonally burnished  
**Reference:** Eiwanger 1988: 59, Plate 3.II.55  
**Dating:** Merimde II



### Merimde 56

---

**Site:** Merimde  
**Shape:** medium bowl with flaring walls  
**Material:** Nile clay  
**Manufacture:** handmade  
**Surface:** horizontally burnished  
**Reference:** Eiwanger 1984: 68, Plate 7.I.105  
**Dating:** Merimde I



## Merimde 57

---

**Site:** Merimde

**Shape:** bowl with flaring walls, slightly incurved rim, and flat base

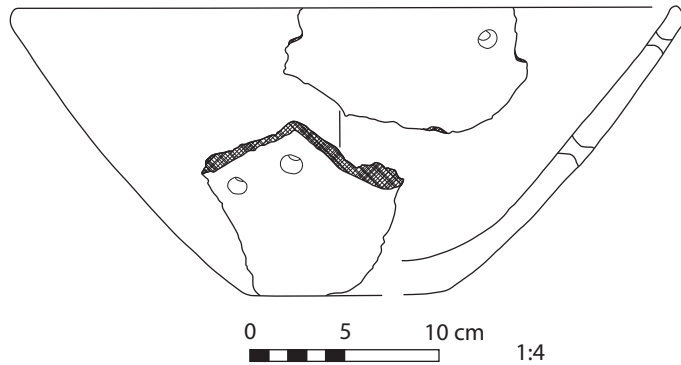
**Material:** Nile clay

**Manufacture:** handmade

**Surface:** inside and outside of rim horizontally burnished, vertically burnished outside

**Reference:** Eiwanger 1988: 59, Plate 4.II.57

**Dating:** Merimde II



## Merimde 58

---

**Site:** Merimde

**Shape:** bowl with recurved rim

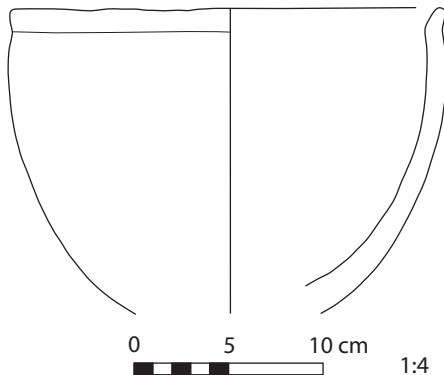
**Material:** Nile clay

**Manufacture:** handmade

**Surface:** plain

**Reference:** Eiwanger 1988: 86, Plate 31.II.642

**Dating:** Merimde II



## Merimde 59

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**Site:** Merimde

**Shape:** vessel with incurved thick rim

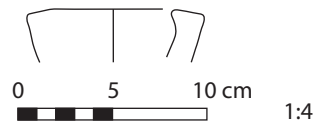
**Material:** Nile clay

**Manufacture:** handmade

**Surface:** plain

**Reference:** Eiwanger 1984: 94, Plate 35.I.629

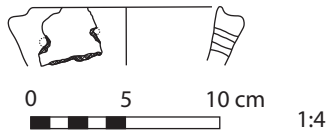
**Dating:** Merimde I



### Merimde 60

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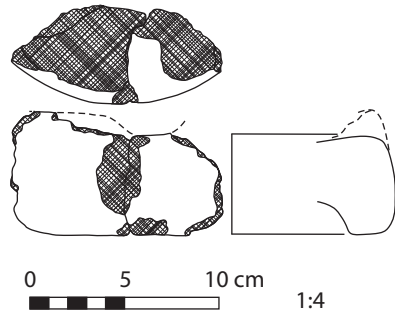
**Site:** Merimde  
**Shape:** sieve-like jar with pierced walls  
**Material:** Nile clay  
**Manufacture:** handmade  
**Surface:** plain  
**Reference:** Eiwanger 1988: 86, Plate 31.II.652  
**Dating:** Merimde II



### Merimde 61

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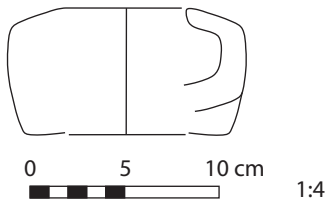
**Site:** Merimde  
**Shape:** large tray (?)  
**Material:** Nile clay  
**Manufacture:** handmade  
**Surface:** horizontally burnished outside, inside burnished in vertical strips  
**Reference:** Eiwanger 1984: 86, Plate 22.I.447  
**Dating:** Merimde I



### Merimde 62

---

**Site:** Merimde  
**Shape:** large tray (?) on four feet  
**Material:** Nile clay  
**Manufacture:** handmade  
**Surface:** horizontally burnished outside  
**Reference:** Eiwanger 1984: 87, Plate 22.I.450  
**Dating:** Merimde I



### Merimde 63

---

**Site:** Merimde  
**Shape:** pot with two compartments  
**Material:** Nile clay  
**Manufacture:** handmade  
**Surface:** horizontally burnished  
**Reference:** Eiwanger 1992: 86, Plate 13.IV.147  
**Dating:** Merimde IV



## Merimde 64

---

**Site:** Merimde

**Shape:** large bowl with flat rim

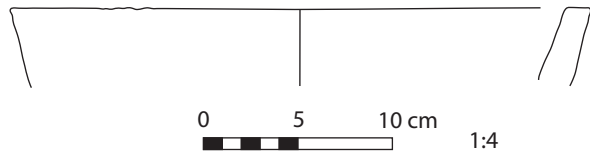
**Material:** Nile clay

**Manufacture:** handmade

**Surface:** diagonally burnished outside

**Reference:** Eiwanger 1988: 75, Plate 18.II.377

**Dating:** Merimde II



## Merimde 65

---

**Site:** Merimde

**Shape:** large bowl with straight rim and flat base

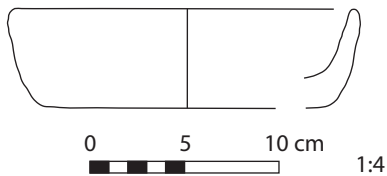
**Material:** Nile clay

**Manufacture:** handmade

**Surface:** plain

**Reference:** Eiwanger 1988: 81, Plate 24.II.510

**Dating:** Merimde II



## Merimde 66

---

**Site:** Merimde

**Shape:** bowl with straight rim and flat base

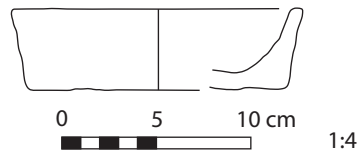
**Material:** Nile clay

**Manufacture:** handmade

**Surface:** plain

**Reference:** Eiwanger 1988: 86, Plate 31.II.641

**Dating:** Merimde II



## Merimde 67

---

**Site:** Merimde

**Shape:** bowl with straight walls and irregular rim

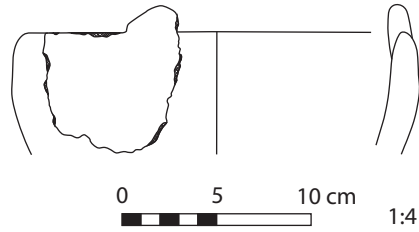
**Material:** Nile clay

**Manufacture:** handmade

**Surface:** plain

**Reference:** Eiwanger 1988: 86, Plate 31.II.647

**Dating:** Merimde II



## Merimde 68

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**Site:** Merimde

**Shape:** large flat tray with flat base

**Material:** Nile clay

**Manufacture:** handmade

**Surface:** plain

**Reference:** Eiwanger 1988: 85, Plate 30.II.633

**Dating:** Merimde II



## Merimde 69

---

**Site:** Merimde

**Shape:** large bowl with incurved rim and flat base

**Material:** Nile clay

**Manufacture:** handmade

**Surface:** plain

**Reference:** Eiwanger 1988: 85, Plate 30.II.630

**Dating:** Merimde II





## Merimde 70

---

**Site:** Merimde

**Shape:** large bowl with straight rim and flat base

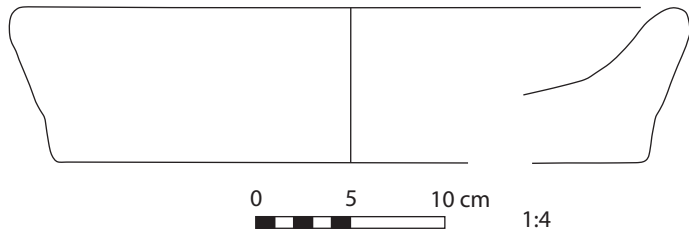
**Material:** Nile clay

**Manufacture:** handmade

**Surface:** plain

**Reference:** Eiwanger 1988: 85, Plate 30.II.632

**Dating:** Merimde II



## Merimde 71

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**Site:** Merimde

**Shape:** stand (?)

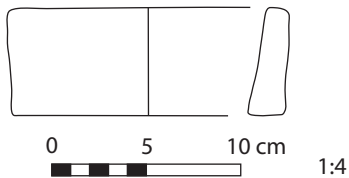
**Material:** Nile clay

**Manufacture:** handmade

**Surface:** horizontally burnished

**Reference:** Eiwanger 1988: 73, Plate 16.II.345

**Dating:** Merimde II



## Merimde 72

---

**Site:** Merimde

**Shape:** jar with incurved sides

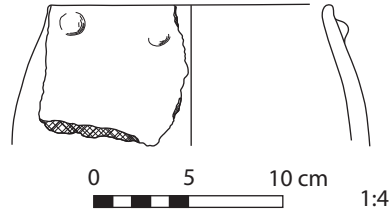
**Material:** Nile clay

**Manufacture:** handmade

**Surface:** partially horizontally burnished  
outside, applications below rim

**Reference:** Eiwanger 1992: 86, Plate 13.IV.150

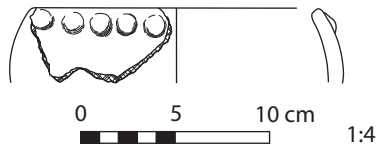
**Dating:** Merimde IV



### Merimde 73

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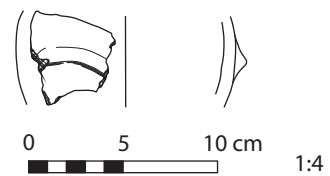
**Site:** Merimde  
**Shape:** vessel with incurved sides  
**Material:** Nile clay  
**Manufacture:** handmade  
**Surface:** horizontally burnished, applications below rim  
**Reference:** Eiwanger 1992: 92, Plate 20.IV.253  
**Dating:** Merimde IV



### Merimde 74

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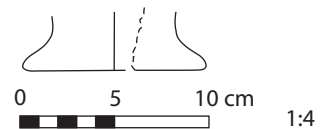
**Site:** Merimde  
**Shape:** vessel body part  
**Material:** Nile clay  
**Manufacture:** handmade  
**Surface:** horizontally burnished outside, applications on body  
**Reference:** Eiwanger 1992: 92, Plate 20.IV.254  
**Dating:** Merimde IV



### Merimde 75

---

**Site:** Merimde  
**Shape:** feet  
**Material:** Nile clay  
**Manufacture:** handmade  
**Surface:** horizontally burnished  
**Reference:** Eiwanger 1992: 86, Plate 12.IV.132  
**Dating:** Merimde IV  
**Representative Example:** similar base in Color Plate 3.2





## Omari, Neolithic

---

**4700–4400 B.C.**

### **Site**

Wadi Hof, Helwan

### **Material**

Omari pottery material consists of two types of local marl clay with organic and, sometimes, mineral inclusions—mostly fine to coarse sand has been identified. The sand does not seem to be deliberately added to the clay as a temper. In rare cases, the pottery is made of Nile clay that also contained organic inclusions.

### **Manufacture**

All the pottery is handmade, with some traces of simple turning around the rim that could be the result of smoothing. It is likely that a coiling technique was used, or that bodies were made of clay strips. In general, all the shapes are very irregular. Some bases have a concave inner surface that seems to be the result of using a sherd for shaping during their manufacture.

### **Surface**

Omari pots were either smoothed or burnished, and some were well polished. Some bear a red, iron-rich slip. In some cases a straw brush was used on the internal surface.

### **Decoration**

Ceramics from Omari do not bear any traces of decoration. Some pots have knobs applied just below rims.

### **Types**

The shapes of pottery from the Omari period are rather simple. Jars tend to have globular or rounded bodies with plain, straight, flaring, or incurved rims. Bowls have rather straight or sometimes rounded sides. In most cases Omari pots have flat bases, but some rounded bases also occur.

### **Bibliography**

Debono, F., and B. Mortensen. 1990. *El-Omari. A Neolithic Settlement and Other Sites in the Vicinity of Wadi Hof, Helwan*, AV 82. Mainz am Rhein: Philipp von Zabern.

## Omari 1

---

**Site:** Omari

**Shape:** jar with rounded body, conical neck, and straight rim

**Material:** clay with medium to coarse straw, fine sand, and calcite particles

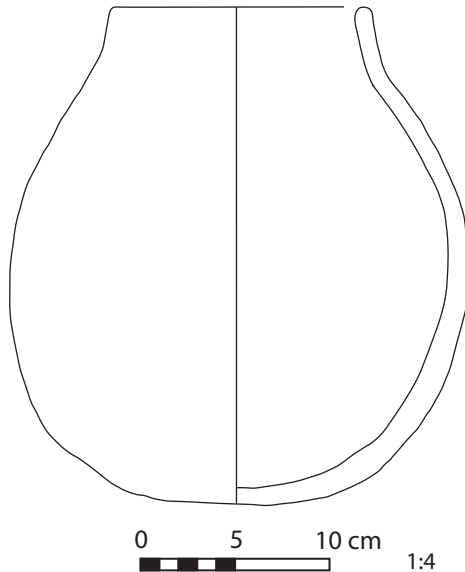
**Manufacture:** handmade

**Surface:** polished outside, smoothed inside

**Reference:** Debono and Mortensen 1990:

Plate 1: 13, Type II.1a

**Dating:** Neolithic in Omari



## Omari 2

---

**Site:** Omari

**Shape:** jar with flaring rim, globular body, and flat base

**Material:** clay with fine to medium straw and small amounts of fine sand

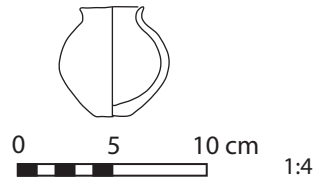
**Manufacture:** handmade

**Surface:** red/brown-slipped, polished outside, smoothed inside

**Reference:** Debono and Mortensen 1990:

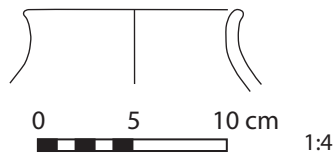
Plate 1: 1, Type I.1

**Dating:** Neolithic in Omari



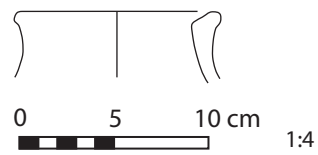
### Omari 3

**Site:** Omari  
**Shape:** jar with high neck, everted rim, and possibly rounded body  
**Material:** clay with medium to coarse straw, fine sand, and calcite particles  
**Manufacture:** handmade  
**Surface:** dark brown, polished outside, smoothed inside  
**Reference:** Debono and Mortensen 1990: Plate 2: 9, Type II.2  
**Dating:** Neolithic in Omari



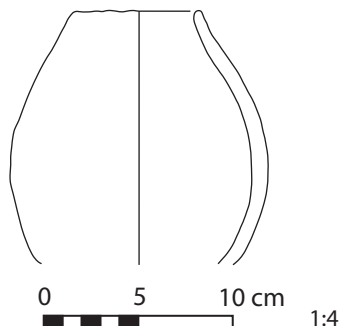
### Omari 4

**Site:** Omari  
**Shape:** jar with high neck, thickened rim, and possibly rounded body  
**Material:** clay with medium to coarse straw, fine sand, and calcite particles  
**Manufacture:** handmade  
**Surface:** red/brown-slipped, polished overall except rim  
**Reference:** Debono and Mortensen 1990: Plate 2: 10, Type II.2  
**Dating:** Neolithic in Omari



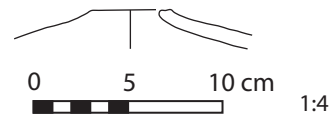
### Omari 5

**Site:** Omari  
**Shape:** jar with plain straight rim and rounded body  
**Material:** clay with medium straw and some sand  
**Manufacture:** handmade  
**Surface:** polished outside, smoothed inside  
**Remarks:** shape very similar to Merimde jars  
**Reference:** Debono and Mortensen 1990: Plate 2: 13, Type IIIa  
**Dating:** Neolithic in Omari



### Omari 6

**Site:** Omari  
**Shape:** jar with plain incurving rim (hole-mouth jar) with a globular body  
**Material:** clay with medium straw and some sand  
**Manufacture:** handmade  
**Surface:** light green, smoothed  
**Reference:** Debono and Mortensen 1990: Plate 3: 10, Type IIIb  
**Dating:** Neolithic in Omari



### Omari 7

**Site:** Omari

**Shape:** beaker with plain rim, straight side, and flat base

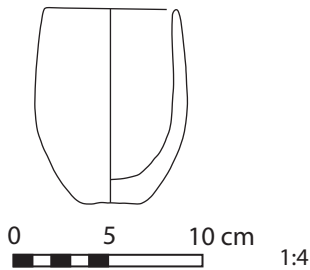
**Material:** clay with small amount of fine straw

**Manufacture:** handmade

**Surface:** red-coated (?) outside, smoothed inside

**Reference:** Debono and Mortensen 1990: Plate 3: 30, Type ivb

**Dating:** Neolithic in Omari



### Omari 8

**Site:** Omari

**Shape:** beaker with rounded body, vertical rim, and flat base

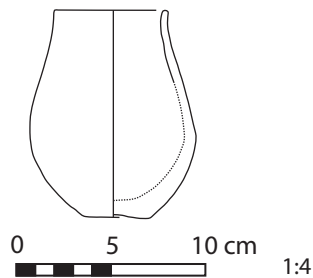
**Material:** clay with small amount of fine straw

**Manufacture:** handmade

**Surface:** plum/red-slipped, polished outside, smoothed inside

**Reference:** Debono and Mortensen 1990: Plate 4: 8, Type ivd

**Dating:** Neolithic in Omari



### Omari 9

**Site:** Omari

**Shape:** beaker with rounded body, vertical rim, and flat base

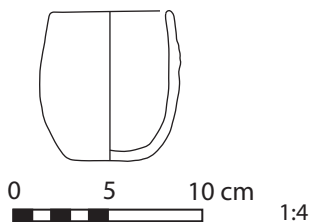
**Material:** clay with small amount of fine straw

**Manufacture:** handmade

**Surface:** red/brown-slipped, polished

**Reference:** Debono and Mortensen 1990: Plate 4: 12, Type ivd

**Dating:** Neolithic in Omari



### Omari 10

**Site:** Omari

**Shape:** pot with incurved plain rim

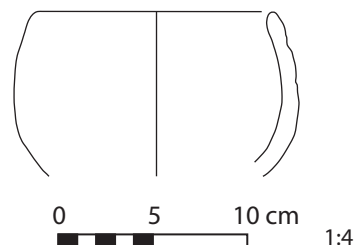
**Material:** clay with coarse straw

**Manufacture:** handmade

**Surface:** coarsely polished

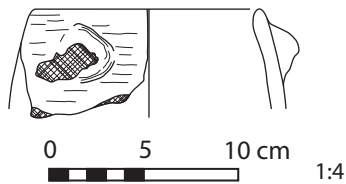
**Reference:** Debono and Mortensen 1990: Plate 4: 22, Type va

**Dating:** Neolithic in Omari



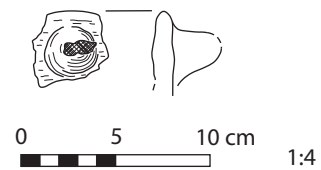
### Omari 11

**Site:** Omari  
**Shape:** pot with incurved plain rim and knob handles  
**Material:** clay with coarse straw  
**Manufacture:** handmade  
**Surface:** brown, smoothed  
**Reference:** Debono and Mortensen 1990: Plate 5: 9, Type vaa  
**Dating:** Neolithic in Omari



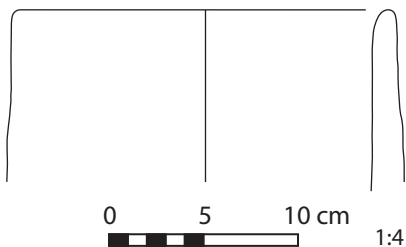
### Omari 12

**Site:** Omari  
**Shape:** pot with incurved plain rim and knob handles  
**Material:** clay with coarse straw  
**Manufacture:** handmade  
**Surface:** polished  
**Reference:** Debono and Mortensen 1990: Plate 5: 6, Type vaa  
**Dating:** Neolithic in Omari



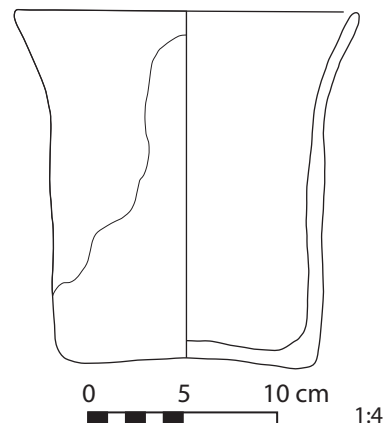
### Omari 13

**Site:** Omari  
**Shape:** pot with a plain rim and straight sides  
**Material:** clay with coarse straw  
**Manufacture:** handmade  
**Surface:** coarsely smoothed  
**Reference:** Debono and Mortensen 1990: Plate 5: 17, Type vb  
**Dating:** Neolithic in Omari



### Omari 14

**Site:** Omari  
**Shape:** cylindrical beaker with plain flaring rim and flat base  
**Material:** clay with medium to coarse straw  
**Manufacture:** handmade  
**Surface:** red/brown-slipped, polished outside, smoothed inside  
**Remarks:** likely similar to pots from Merimde phase II  
**Reference:** Debono and Mortensen 1990: Plate 6: 7, Group VI  
**Dating:** Neolithic in Omari





## Omari 15

---

**Site:** Omari

**Shape:** bowl with plain, slightly incurved rim

**Material:** clay with medium straw and some sand

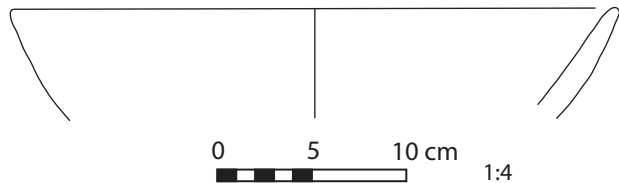
**Manufacture:** handmade

**Surface:** red-slipped, polished

**Remarks:** similar to pots from Merimde

**Reference:** Debono and Mortensen 1990: Plate 6: 12, Group VII

**Dating:** Neolithic in Omari



## Omari 16

---

**Site:** Omari

**Shape:** bowl with plain, slightly flaring rim

**Material:** clay with medium straw and some sand

**Manufacture:** handmade

**Surface:** red/brown-slipped, polished

**Remarks:** similar to pots from Merimde

**Reference:** Debono and Mortensen 1990:  
Plate 6: 15, Group VII

**Dating:** Neolithic in Omari



## Omari 17

---

**Site:** Omari

**Shape:** bowl with plain, slightly flaring rim

**Material:** clay with medium straw and some sand

**Manufacture:** handmade

**Surface:** brown, polished

**Remarks:** similar to pots from Merimde

**Reference:** Debono and Mortensen 1990:  
Plate 7: 2, Group VII

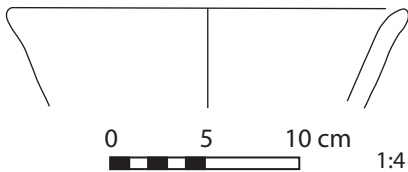
**Dating:** Neolithic in Omari



### Omari 18

---

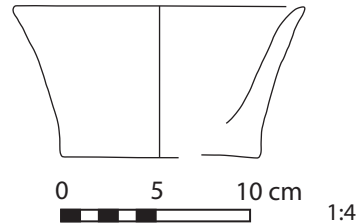
**Site:** Omari  
**Shape:** bowl with plain, slightly flaring rim  
**Material:** clay with medium straw and some sand  
**Manufacture:** handmade  
**Surface:** brown, polished  
**Remarks:** similar to pots from Merimde  
**Reference:** Debono and Mortensen 1990:  
Plate 7: 3, Group VII  
**Dating:** Neolithic in Omari



### Omari 19

---

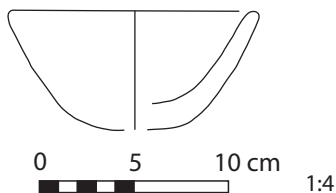
**Site:** Omari  
**Shape:** bowl with plain, slightly flaring rim and flat base  
**Material:** clay with medium straw and some sand  
**Manufacture:** handmade  
**Surface:** red/brown/black-slipped, polished  
**Remarks:** similar to pots from Merimde  
**Reference:** Debono and Mortensen 1990:  
Plate 7: 9, Group VII  
**Dating:** Neolithic in Omari



### Omari 20

---

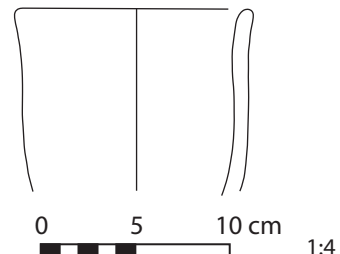
**Site:** Omari  
**Shape:** bowl with plain, slightly flaring rim  
**Material:** clay with medium straw and some sand  
**Manufacture:** handmade  
**Surface:** red-slipped, polished  
**Remarks:** similar to pots from Merimde  
**Reference:** Debono and Mortensen 1990:  
Plate 7: 10, Group VIII  
**Dating:** Neolithic in Omari



### Omari 21

---

**Site:** Omari  
**Shape:** deep beaker with s-shaped sides  
**Material:** clay with medium straw and some sand  
**Manufacture:** handmade  
**Surface:** red-slipped, polished outside, smoothed inside  
**Reference:** Debono and Mortensen 1990:  
Plate 7: 20, Group VIII  
**Dating:** Neolithic in Omari



## Omari 22

---

**Site:** Omari

**Shape:** small bowl with s-shaped sides

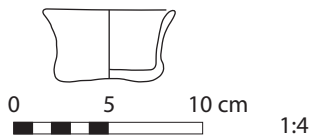
**Material:** clay with medium straw  
and some sand

**Manufacture:** handmade

**Surface:** polished

**Reference:** Debono and Mortensen 1990:  
Plate 7: 23, Group VIII

**Dating:** Neolithic in Omari



## Omari 23

---

**Site:** Omari

**Shape:** bowl with rounded sides and plain rim

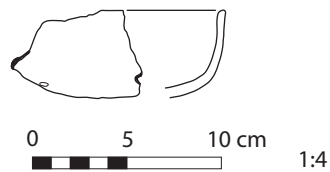
**Material:** clay with medium straw  
and some sand

**Manufacture:** handmade

**Surface:** brown-slipped, polished

**Reference:** Debono and Mortensen 1990:  
Plate 7: 30, Group VIII

**Dating:** Neolithic in Omari



## Omari 24

---

**Site:** Omari

**Shape:** bowl with rounded sides and plain rim

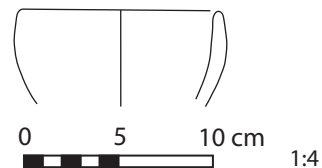
**Material:** clay with medium straw and some sand

**Manufacture:** handmade

**Surface:** smoothed

**Reference:** Debono and Mortensen 1990: Plate 7: 15, Group VIII

**Dating:** Neolithic in Omari



## Omari 25

---

**Site:** Omari

**Shape:** open oval basin with curving sides

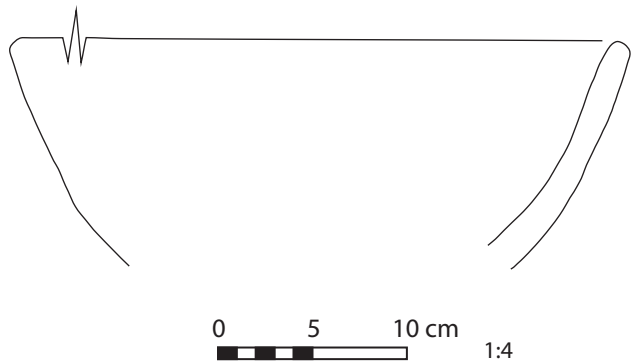
**Material:** clay with coarse straw

**Manufacture:** handmade

**Surface:** smoothed

**Reference:** Debono and Mortensen 1990: Plate 8: 9, Group x

**Dating:** Neolithic in Omari



## Omari 26

---

**Site:** Omari

**Shape:** open oval basin with curving sides and flat base

**Material:** clay with coarse straw

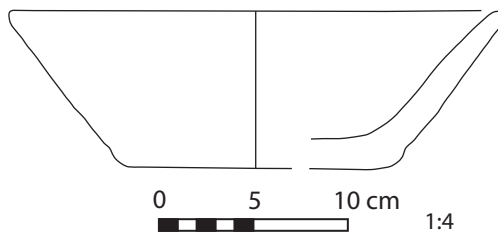
**Manufacture:** handmade

**Surface:** red-slipped, polished (?)

**Reference:** Debono and Mortensen 1990:

Plate 9: 1, Group x

**Dating:** Neolithic in Omari



## Omari 27

---

**Site:** Omari

**Shape:** base from a closed vessel

**Material:** clay with coarse straw

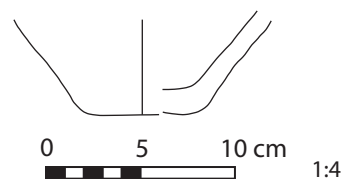
**Manufacture:** handmade

**Surface:** polished outside, smoothed inside

**Reference:** Debono and Mortensen 1990:

Plate 10: 6

**Dating:** Neolithic in Omari



## Omari 28

---

**Site:** Omari

**Shape:** base of an open vessel

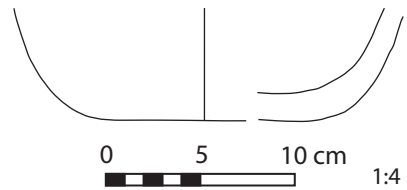
**Material:** coarse ware

**Manufacture:** handmade

**Surface:** smoothed

**Reference:** Debono and Mortensen 1990: Plate 13: 12

**Dating:** Neolithic in Omari



## Omari 29

---

**Site:** Omari

**Shape:** small elongated bowl with two “feet”

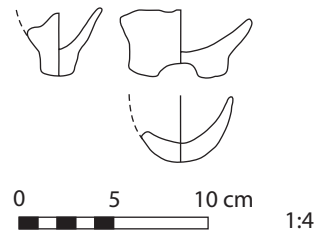
**Material:** coarse clay

**Manufacture:** handmade

**Surface:** smoothed

**Reference:** Debono and Mortensen 1990: Plate 14: 4

**Dating:** Neolithic in Omari



## Omari 30

---

**Site:** Omari

**Shape:** lower part of bowl with three “feet”

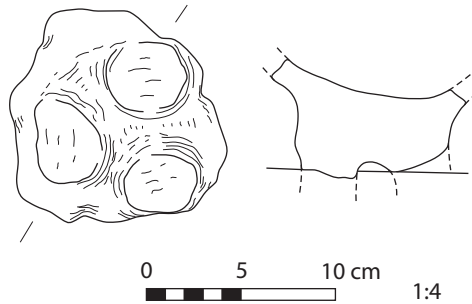
**Material:** coarse clay

**Manufacture:** handmade

**Surface:** smoothed

**Reference:** Debono and Mortensen 1990: Plate 14: 5

**Dating:** Neolithic in Omari



## Omari 31

---

**Site:** Omari

**Shape:** flat tray with thickened rim

**Material:** clay with sand

**Manufacture:** handmade

**Surface:** smoothed

**Reference:** Debono and Mortensen 1990: Plate 14: 6

**Dating:** Neolithic in Omari





# Badari

---

4100–3700 B.C.

## Material

Badarian ceramics were all made of Nile silt with a small amount of sand as an inclusion. The clay used for production of large pots contained organic (chaff, straw) inclusions.

For a key to clay type abbreviations, please see Clay Descriptions, pp. 21–23.

## Manufacture

Pots were handmade, usually from a single lump of clay.

## Surface

The surface of the pots is usually smoothed, very often red-coated with black rims (“black-topped” vessels) or with a black surface. At the end of the finishing process, the surface was often burnished. The most characteristic surface treatment for Badari pots was the rippling decoration that appears mostly on the outside of the vessel. Sometimes the pots were incised before firing and, rarely, red-painted. Some pots bear applied decoration, but this is rare.

## Types

The Badari ceramic assemblage is rather simple. The most common shapes for the period are simple bowls with straight rims and rounded bases, although hemispherical bowls with incurved rims are also present. The bowls occasionally have slightly carinated or bent walls. Oval bowls also seem to be characteristic for the period. Large basins are known, especially with straight sides and rounded or flat bases. There are also neckless jars with ovoid or bag-shaped bodies with flat or round bases as well as globular jars with rounded bases. Some fancy forms are also known, such as jars with spouts, spoon-like bowls, or rectangular bowls. Handles are very rare and it appears that they come from settlements where the pottery repertoire is larger than those from cemeteries.

For photos of ceramics representative of this period, see Color Plate 4.

## Bibliography

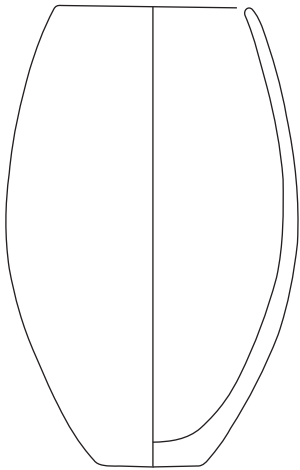
- Bourriau, J. D. 1981. *Umm el-Ga'ab. Pottery from the Nile Valley before the Arab Conquest*. Cambridge: Cambridge University Press.
- Brunton, G. 1927. *Qau and Badari I*. London: British School of Archaeology in Egypt and Egyptian Research Account.
- . 1928. *Qau and Badari II*. London: British School of Archaeology in Egypt.
- . 1930. *Qau and Badari III*. London: British School of Archaeology in Egypt.
- . 1937. *Mostagedda and the Tasian Culture*. London: B. Quaritch.
- Brunton, G., and G. Caton-Thompson. 1928. *The Badarian Civilisation and Predynastic Remains near Badari*. London: British School of Archaeology in Egypt.
- Lugn, P. 1931. A “Beaker” Pot in the Stockholm Egyptian Museum. *JEA* 17: 22.



### Badari 1

---

**Site:** Mostagedda  
**Shape:** neckless jar with ovoid body and flat base  
**Material:** fine brown (Nile) with straw  
**Manufacture:** handmade  
**Surface:** black-slipped  
**Reference:** Brunton 1937: Plate XVIII, 18  
**Dating:** Badari

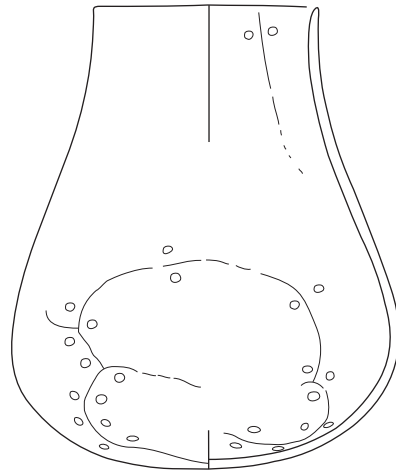


0 5 10 cm  
1:4

### Badari 2

---

**Site:** Mostagedda  
**Shape:** bag-shaped jar with rounded base  
**Material:** not stated  
**Manufacture:** handmade  
**Surface:** rippled  
**Reference:** Brunton 1937: Plate XVIII, 29D  
**Dating:** Badari

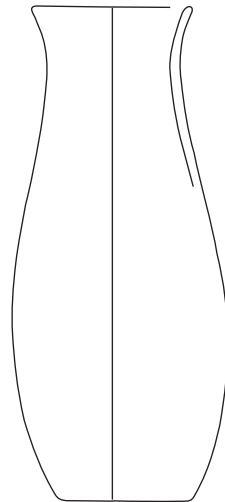


0 5 10 cm  
1:4

### Badari 3

---

**Site:** Mostagedda  
**Shape:** bag-shaped jar with flaring rim and flat base  
**Material:** not stated  
**Manufacture:** handmade  
**Surface:** not stated  
**Reference:** Brunton 1937: Plate XVIII, 51M  
**Dating:** Badari



0 5 10 cm  
1:4

## Badari 4

---

**Site:** Mostagedda

**Shape:** bag-shaped jar with flaring rim and flat base

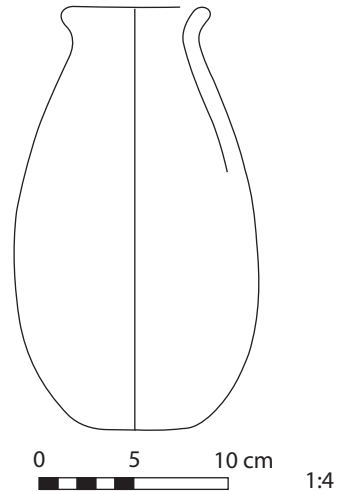
**Material:** coarse brown

**Manufacture:** handmade

**Surface:** not stated

**Reference:** Brunton 1937: Plate XXI, 55H

**Dating:** Badari



## Badari 5

---

**Site:** Mostagedda

**Shape:** bag-shaped jar with short flaring rim

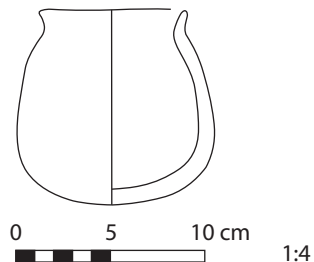
**Material:** not stated

**Manufacture:** handmade

**Surface:** not stated

**Reference:** Brunton 1937: Plate XIX, 44K

**Dating:** Badari



## Badari 6

---

**Site:** Mostagedda

**Shape:** spherical jar with short rim and rounded base

**Material:** not stated

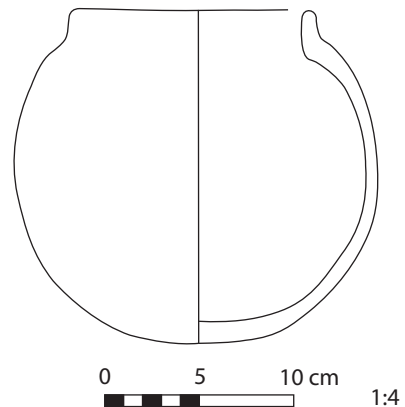
**Manufacture:** handmade

**Surface:** not stated

**Reference:** Brunton 1937: Plate XXI, 51H

**Dating:** Badari

**Representative Example:** similar to Color Plate 4.3



## Badari 7

---

**Site:** Mostagedda

**Shape:** large bag-shaped jar

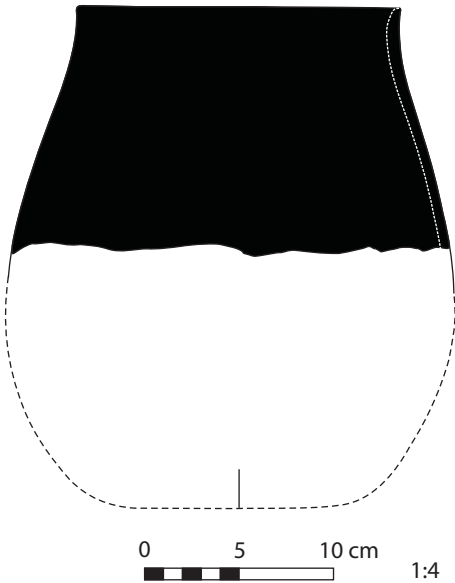
**Material:** not stated

**Manufacture:** handmade

**Surface:** black top, coarsely rippled

**Reference:** Brunton 1937: Plate XVII, 57Q

**Dating:** Badari



## Badari 8

---

**Site:** Mostagedda

**Shape:** hemispherical jar without neck with rounded base and short spout

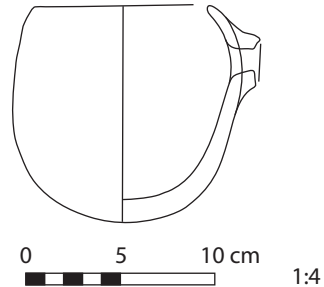
**Material:** rough brown (Nile)

**Manufacture:** handmade

**Surface:** blackened by smoke

**Reference:** Brunton 1937: Plate XVIII, 34

**Dating:** Badari



## Badari 9

---

**Site:** Mostagedda

**Shape:** bag-shaped jar without neck, straight rim, and rounded base; probably with a loop handle

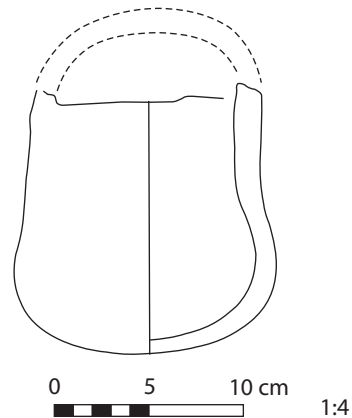
**Material:** rough brown (Nile)

**Manufacture:** handmade

**Surface:** slightly blackened by smoke

**Reference:** Brunton 1937: Plate XVIII, 35

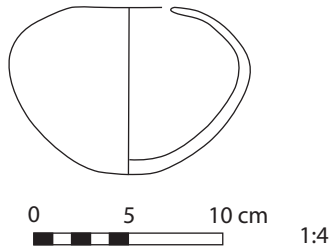
**Dating:** Badari



### Badari 10

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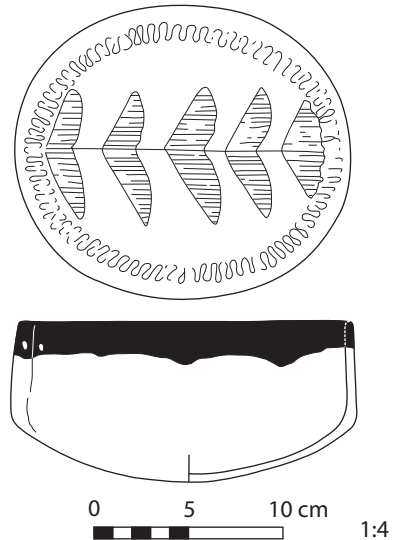
**Site:** Mostagedda  
**Shape:** squat hole-mouth jar with rounded base  
**Material:** not stated  
**Manufacture:** handmade  
**Surface:** not stated  
**Reference:** Brunton 1937: Plate XIX, 45P  
**Dating:** Badari



### Badari 11

---

**Site:** Mostagedda  
**Shape:** bowl with bent walls and rounded base  
**Material:** not stated  
**Manufacture:** handmade  
**Surface:** black top, rippled, with incised decoration inside  
**Reference:** Brunton 1937: Plate XVI, 3Q  
**Dating:** Badari



## Badari 12

---

**Site:** Mostagedda

**Shape:** shallow bowl with rounded base

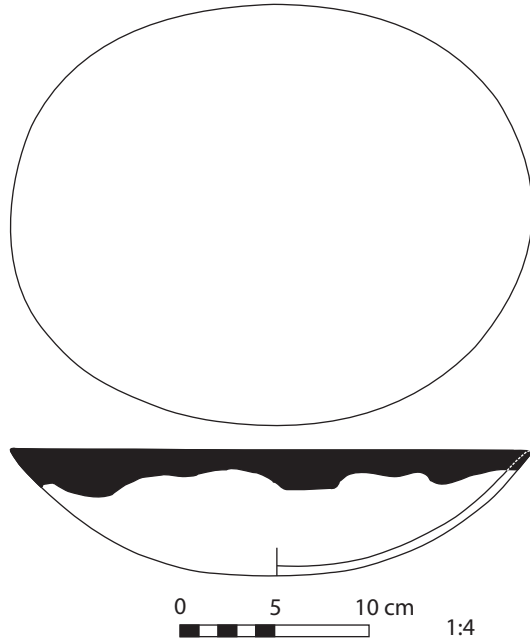
**Material:** not stated

**Manufacture:** handmade

**Surface:** black top, rippled

**Reference:** Brunton 1937: Plate XVI, 16F

**Dating:** Badari



## Badari 13

---

**Site:** Mostagedda

**Shape:** simple oval bowl with rounded base

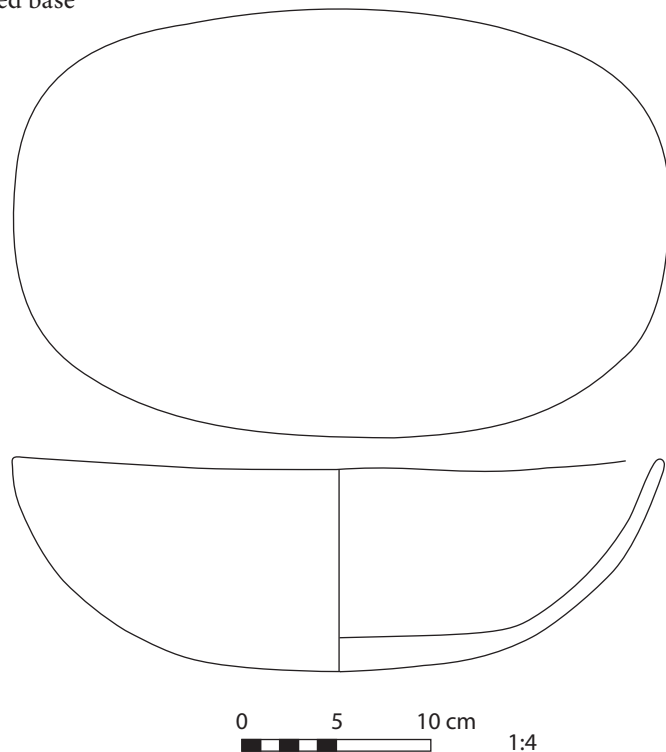
**Material:** not stated

**Manufacture:** handmade

**Surface:** not stated

**Reference:** Brunton 1937:  
Plate XIX, 7P

**Dating:** Badari



## Badari 14

**Site:** Mostagedda

**Shape:** simple oval bowl with rounded base

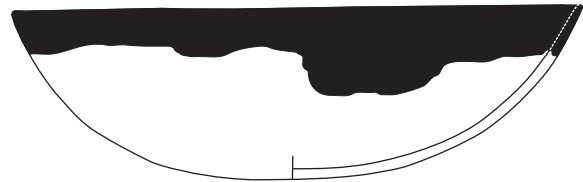
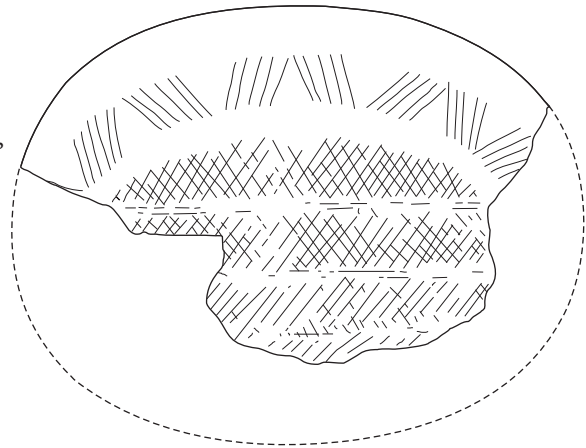
**Material:** not stated

**Manufacture:** handmade

**Surface:** black top, rippled inside, burnished, with incised decoration

**Reference:** Brunton 1937: Plate XVI, 15D

**Dating:** Badari



0 5 10 cm 1:4

## Badari 15

**Site:** Mostagedda

**Shape:** carinated bowl with rounded base

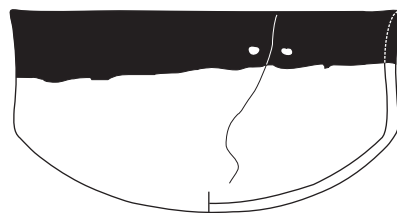
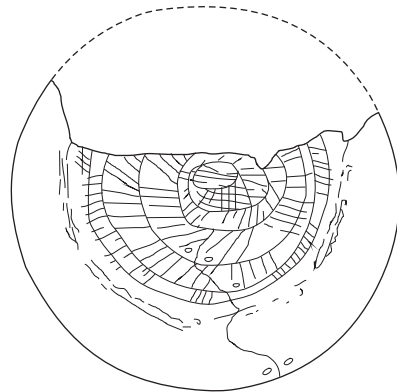
**Material:** not stated

**Manufacture:** handmade

**Surface:** black top, rippled inside rim, with incised decoration

**Reference:** Brunton 1937: Plate XVI, 4M

**Dating:** Badari

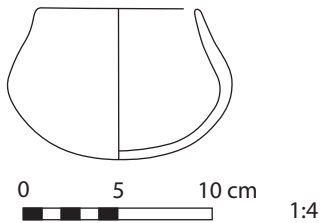


0 5 10 cm 1:4

## Badari 16

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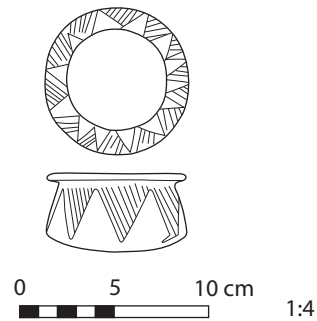
**Site:** Mostagedda  
**Shape:** carinated bowl with rounded base  
**Material:** not stated  
**Manufacture:** handmade  
**Surface:** not stated  
**Reference:** Brunton 1937: Plate XIX, 41H  
**Dating:** Badari



## Badari 17

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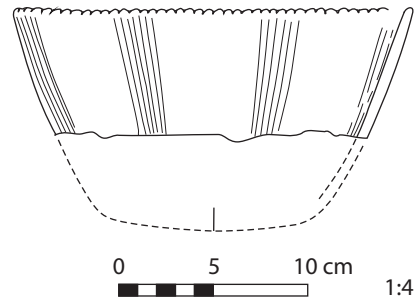
**Site:** Mostagedda  
**Shape:** bowl with bent walls, ledge rim, and rounded base  
**Material:** not stated  
**Manufacture:** handmade  
**Surface:** incised decoration outside and on rim  
**Reference:** Brunton 1937: Plate XVIII, 19  
**Dating:** Badari



## Badari 18

---

**Site:** Mostagedda  
**Shape:** bowl with straight walls  
**Material:** gray-brown hard clay  
**Manufacture:** handmade  
**Surface:** incised decoration inside and outside  
**Reference:** Brunton 1937: Plate XVIII, 33  
**Dating:** Badari



## Badari 19

---

**Site:** Mostagedda

**Shape:** rectangular bowl with slightly incurved walls

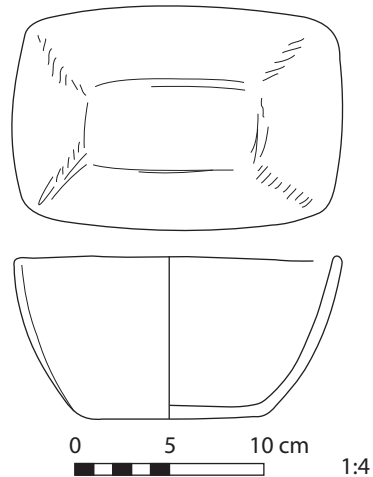
**Material:** not stated

**Manufacture:** handmade

**Surface:** red-polished, rippled inside and outside

**Reference:** Brunton 1937: Plate XI, 1

**Dating:** Tasa-Badari



## Badari 20

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**Site:** Mostagedda

**Shape:** bowl with slightly incurved walls with flat base

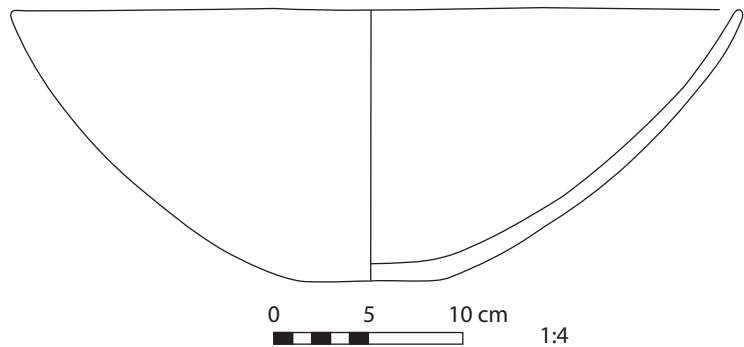
**Material:** not stated

**Manufacture:** handmade

**Surface:** not stated

**Reference:** Brunton 1937: Plate XVIII, 4M

**Dating:** Badari





## Badari 21, 22

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**Site:** Mostagedda

**Shape:** deep bowl with bent walls

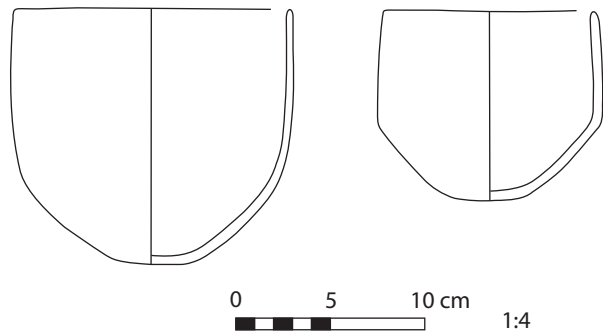
**Material:** dark gray-brown clay

**Manufacture:** handmade

**Surface:** vertically rippled

**Reference:** Brunton 1937: Plate XII, 35-36

**Dating:** Tasa-Badari



## Badari 23

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**Site:** Mostagedda

**Shape:** deep bowl with slightly incurved walls and flat base

**Material:** dark gray-brown clay

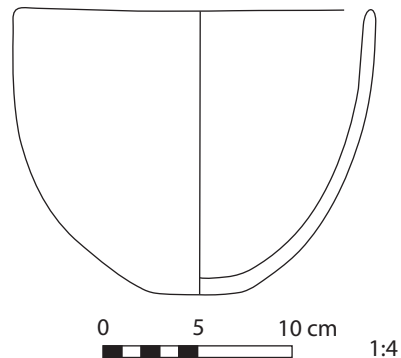
**Manufacture:** handmade

**Surface:** not stated

**Reference:** Brunton 1937: Plate XI, 17

**Dating:** Tasa-Badari

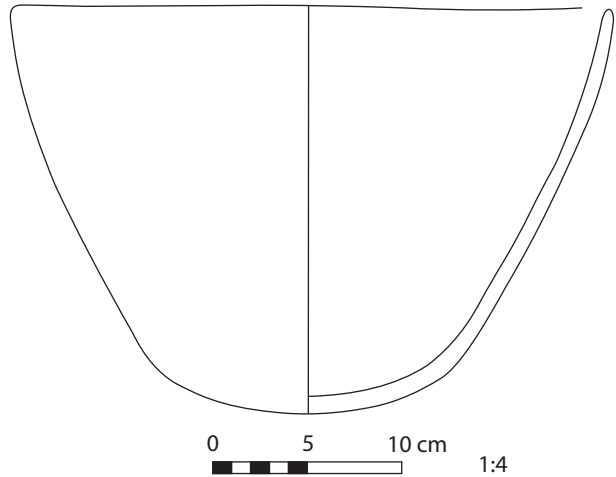
**Representative Example:** similar to Color Plate 4.4



## Badari 24

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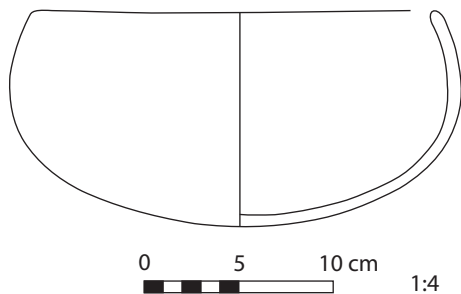
**Site:** Mostagedda  
**Shape:** deep basin with rounded base  
**Material:** rough brown  
**Manufacture:** handmade  
**Surface:** smoothed clay coating  
**Reference:** Brunton 1937: Plate XI, 26  
**Dating:** Tasa-Badari



## Badari 25

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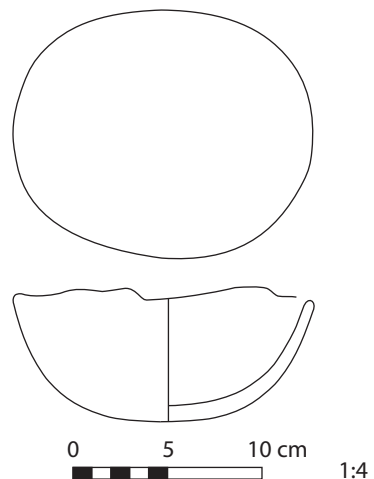
**Site:** Mostagedda  
**Shape:** bowl with incurved walls and rounded base  
**Material:** not stated  
**Manufacture:** handmade  
**Surface:** burnished inside and outside  
**Reference:** Brunton 1937: Plate XVIII, 6M  
**Dating:** Badari



## Badari 26

---

**Site:** Mostagedda  
**Shape:** hemispherical bowl with round base  
**Material:** rough brown  
**Manufacture:** handmade  
**Surface:** not stated  
**Reference:** Brunton 1937: Plate XI, 4  
**Dating:** Tasa-Badari



### Badari 27

---

**Site:** Mostagedda

**Shape:** nearly spherical bowl with slightly flat base

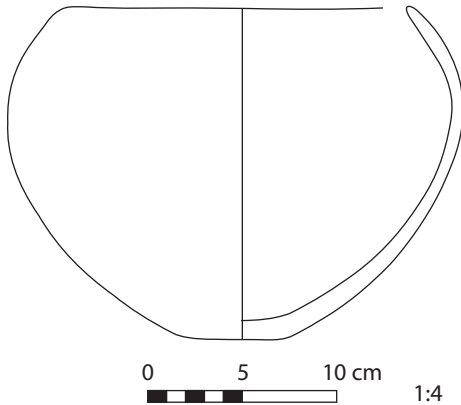
**Material:** rough brown

**Manufacture:** handmade

**Surface:** smoothed clay coating

**Reference:** Brunton 1937: Plate XI, 19

**Dating:** Tasa-Badari



### Badari 28

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**Site:** Mostagedda

**Shape:** deep vessel with incurved walls and flat base

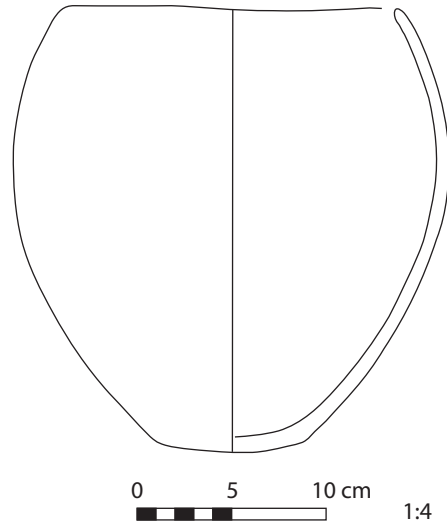
**Material:** rough brown

**Manufacture:** handmade

**Surface:** not stated

**Reference:** Brunton 1937: Plate XI, 32

**Dating:** Tasa-Badari



### Badari 29

---

**Site:** Mostagedda

**Shape:** deep bowl with bent walls

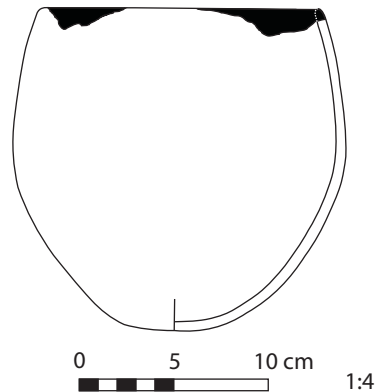
**Material:** dark gray-brown

**Manufacture:** handmade

**Surface:** black top, vertically rippled

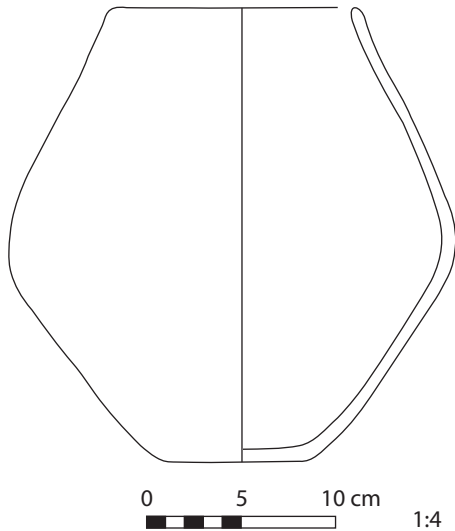
**Reference:** Brunton 1937: Plate XII, 45

**Dating:** Tasa-Badari



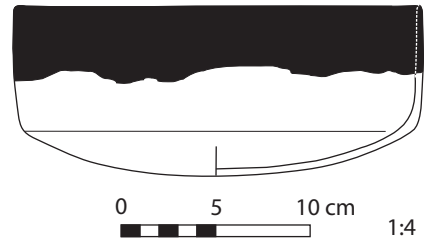
### Badari 30

**Site:** Mostagedda  
**Shape:** large vessel with bent walls and flat base  
**Material:** brown  
**Manufacture:** handmade  
**Surface:** smoothed  
**Reference:** Brunton 1937: Plate XII, 42  
**Dating:** Tasa-Badari



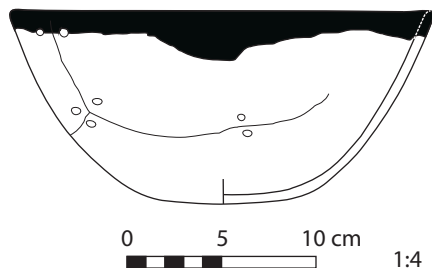
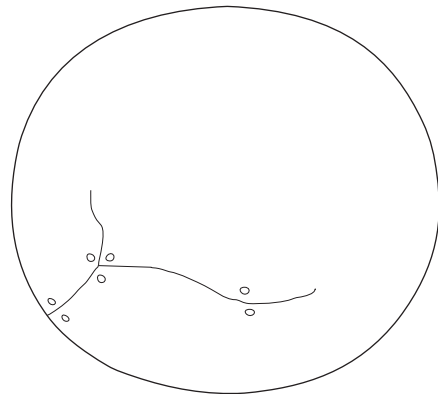
### Badari 31

**Site:** Mostagedda  
**Shape:** bowl with bent walls and rounded base  
**Material:** gray-brown  
**Manufacture:** handmade  
**Surface:** black top, rim vertically rippled  
**Reference:** Brunton 1937: Plate XV, 14N  
**Dating:** Badari



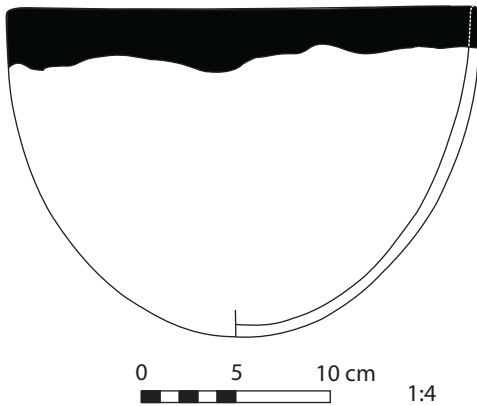
### Badari 32

**Site:** Mostagedda  
**Shape:** bowl with straight walls and rounded base  
**Material:** brown  
**Manufacture:** handmade  
**Surface:** black top, diagonally rippled outside, vertically rippled 5 cm down from rim inside  
**Reference:** Brunton 1937: Plate XV, 40E  
**Dating:** Badari  
**Representative Example:** similar to Color Plate 4.2



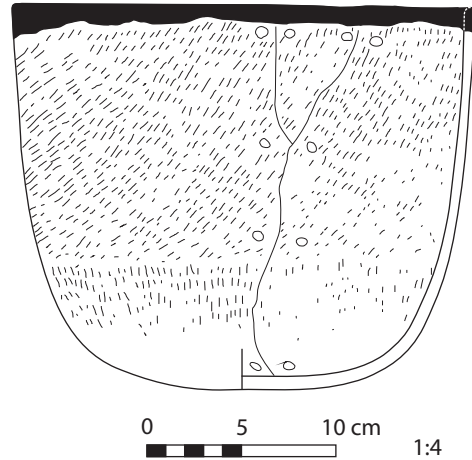
### Badari 33

**Site:** Mostagedda  
**Shape:** deep hemispherical bowl with rounded base  
**Material:** not stated  
**Manufacture:** handmade  
**Surface:** black top, diagonally rippled  
**Reference:** Brunton 1937: Plate XVI, 24C  
**Dating:** Badari



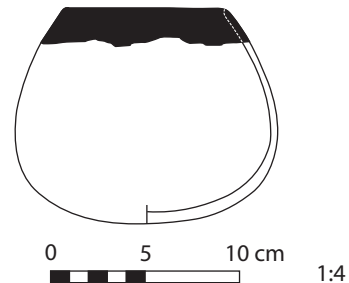
### Badari 34

**Site:** Mostagedda  
**Shape:** deep basin with straight walls and rounded base  
**Material:** not stated  
**Manufacture:** handmade  
**Surface:** black top, diagonally rippled  
**Reference:** Brunton 1937: Plate XV, 44G  
**Dating:** Badari



### Badari 35

**Site:** Mostagedda  
**Shape:** deep bowl with incurved walls and rounded base  
**Material:** not stated  
**Manufacture:** handmade  
**Surface:** black top, faint ripple on sides  
**Reference:** Brunton 1937: Plate XV, 77F  
**Dating:** Badari  
**Representative Example:** similar to Color Plate 4.5



### Badari 36

---

**Site:** Mostagedda

**Shape:** deep bowl with incurved walls and flat base

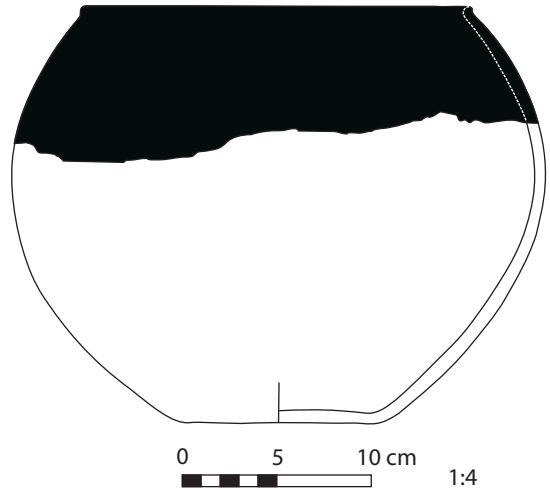
**Material:** not stated

**Manufacture:** handmade

**Surface:** black top

**Reference:** Brunton 1937: Plate XVII, 57D

**Dating:** Badari



### Badari 37

---

**Site:** Mostagedda

**Shape:** deep bowl with incurved walls and flat base

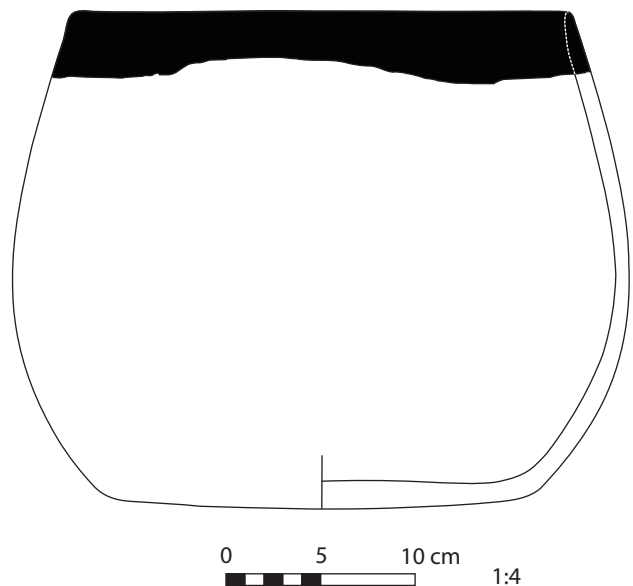
**Material:** not stated

**Manufacture:** handmade

**Surface:** black top, rippled

**Reference:** Brunton 1937: Plate xv, 70M

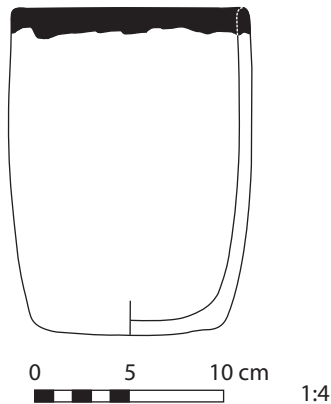
**Dating:** Badari



### Badari 38

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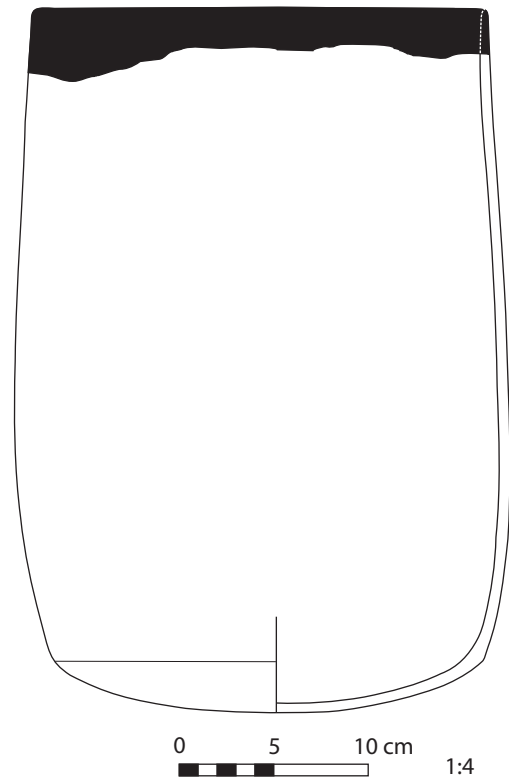
**Site:** Mostagedda  
**Shape:** deep beaker with straight walls and flat base  
**Material:** dark red  
**Manufacture:** handmade  
**Surface:** black top, smoothed  
**Reference:** Brunton 1937: Plate XVI, 5T  
**Dating:** Badari



### Badari 39

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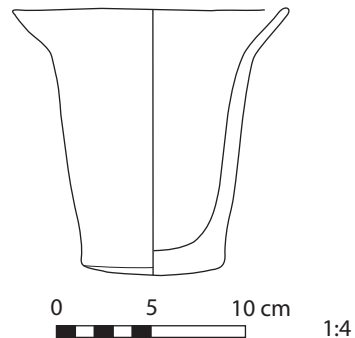
**Site:** Mostagedda  
**Shape:** large deep beaker with flat base  
**Material:** not stated  
**Manufacture:** handmade  
**Surface:** black top, fine diagonal ripple, rippled 5 cm down from rim inside  
**Reference:** Brunton 1937: Plate XVI, 10D  
**Dating:** Badari



### Badari 40

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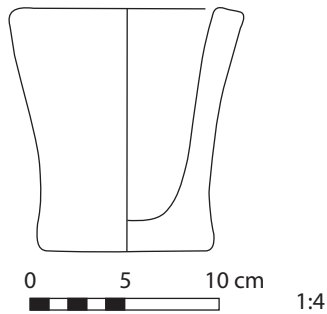
**Site:** Mostagedda  
**Shape:** beaker with flaring rim and flat base  
**Material:** rough brown  
**Manufacture:** handmade  
**Surface:** not stated  
**Reference:** Brunton 1937: Plate XVIII, 27  
**Dating:** Badari



### Badari 41

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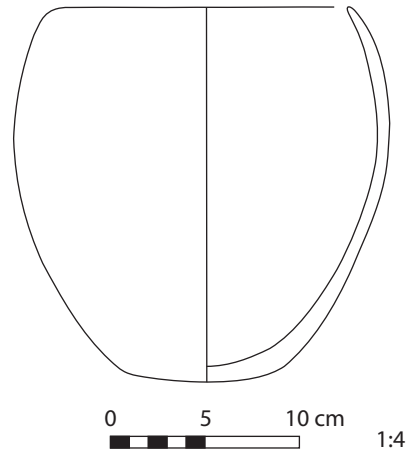
**Site:** Mostagedda  
**Shape:** beaker with flat base  
**Material:** not stated  
**Manufacture:** handmade  
**Surface:** red-slipped, polished inside and outside, rippled outside  
**Reference:** Brunton 1937: Plate XVIII, 30  
**Dating:** Badari



### Badari 42

---

**Site:** Mostagedda  
**Shape:** deep basin with incurved rim and flat base  
**Material:** fine clay  
**Manufacture:** handmade  
**Surface:** coarsely worked  
**Reference:** Brunton 1937: Plate XX, 20M  
**Dating:** Badari





### Badari 43

---

**Site:** Mostagedda

**Shape:** deep basin with incurved rim and narrow flat base

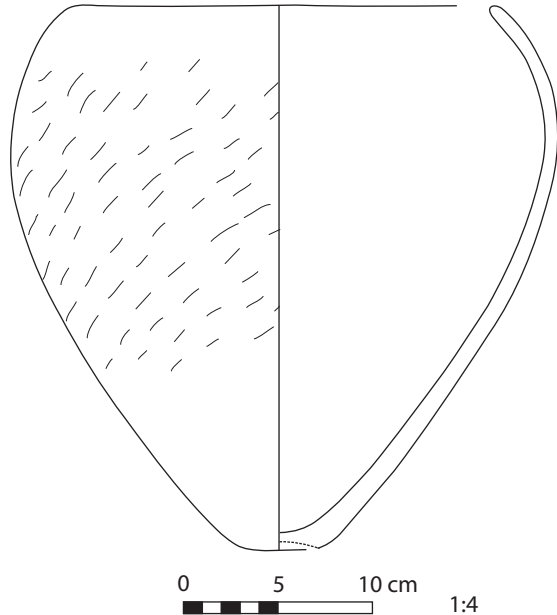
**Material:** fine clay

**Manufacture:** handmade

**Surface:** coated, finger rippled

**Reference:** Brunton 1937: Plate XXI, 43M

**Dating:** Badari



### Badari 44

---

**Site:** Mostagedda

**Shape:** basin with incurved rim

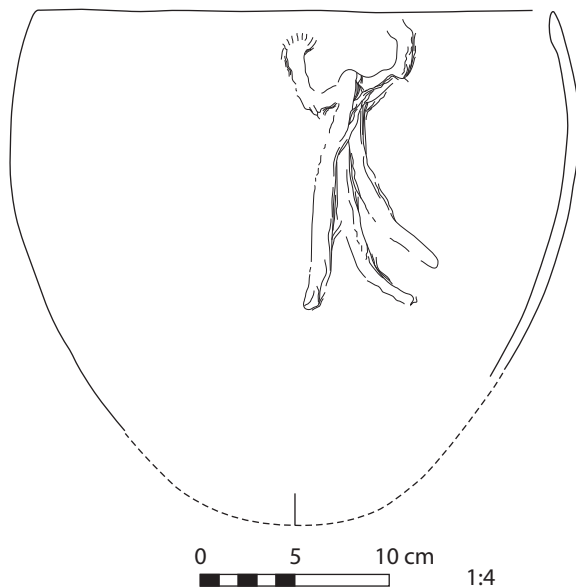
**Material:** drab-red

**Manufacture:** handmade

**Surface:** applied decoration inside

**Reference:** Brunton 1937: Plate XVIII, 41

**Dating:** Badari



## Badari 45

---

**Site:** Mostagedda

**Shape:** large basin with incurved walls and knob-like base

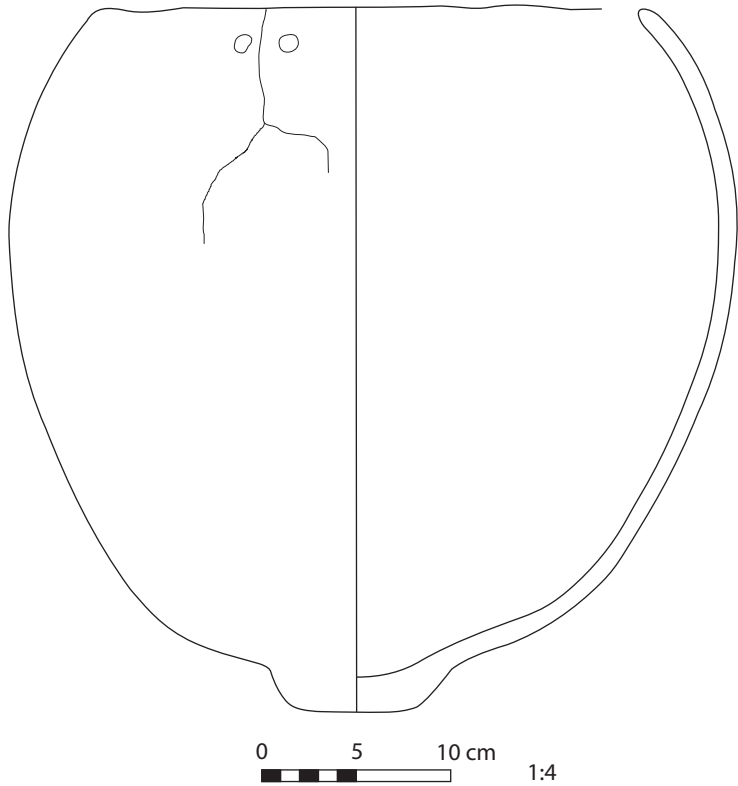
**Material:** gray-brown, hard

**Manufacture:** handmade

**Surface:** not stated

**Reference:** Brunton 1937: Plate XX, 26E

**Dating:** Badari



## Badari 46

---

**Site:** Mostagedda

**Shape:** deep conical vat with rounded base

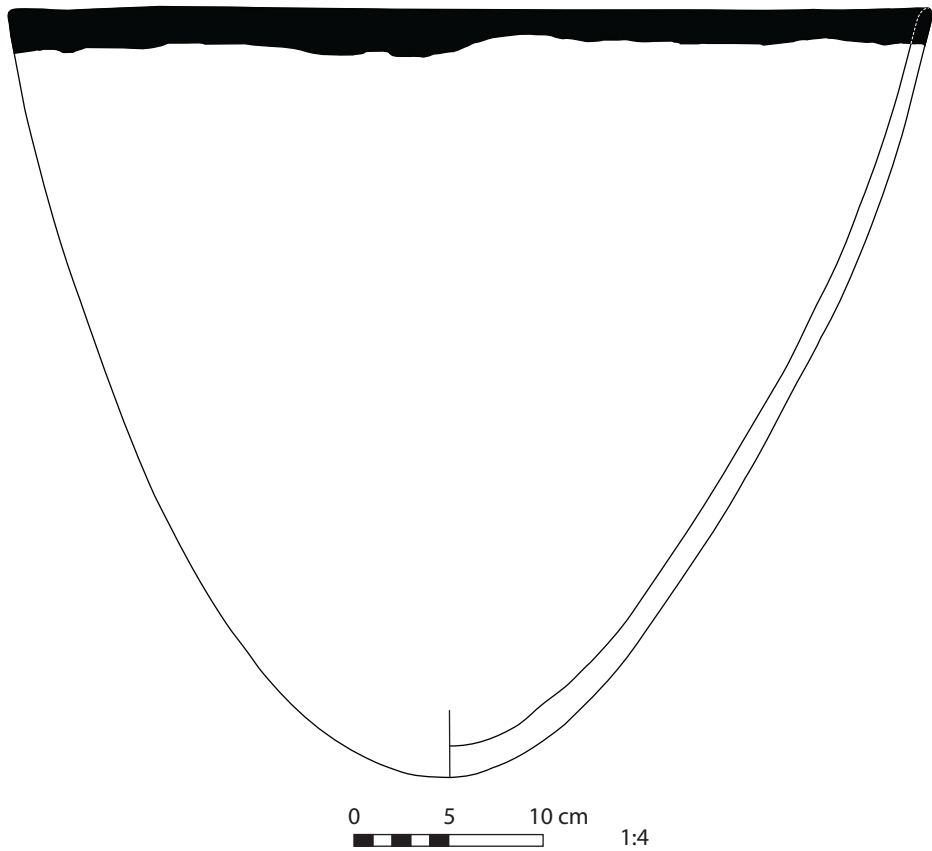
**Material:** not stated

**Manufacture:** handmade

**Surface:** black top, smoothed black slip

**Reference:** Brunton 1937: Plate XX, 27D

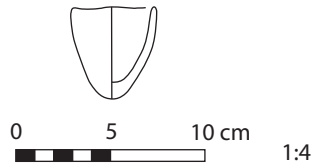
**Dating:** Badari



### Badari 47

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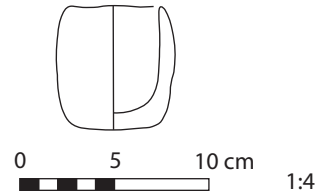
**Site:** Mostagedda  
**Shape:** small conical bowl  
**Material:** not stated  
**Manufacture:** handmade  
**Surface:** not stated  
**Reference:** Brunton 1937: Plate xx, 27s  
**Dating:** Badari



### Badari 48

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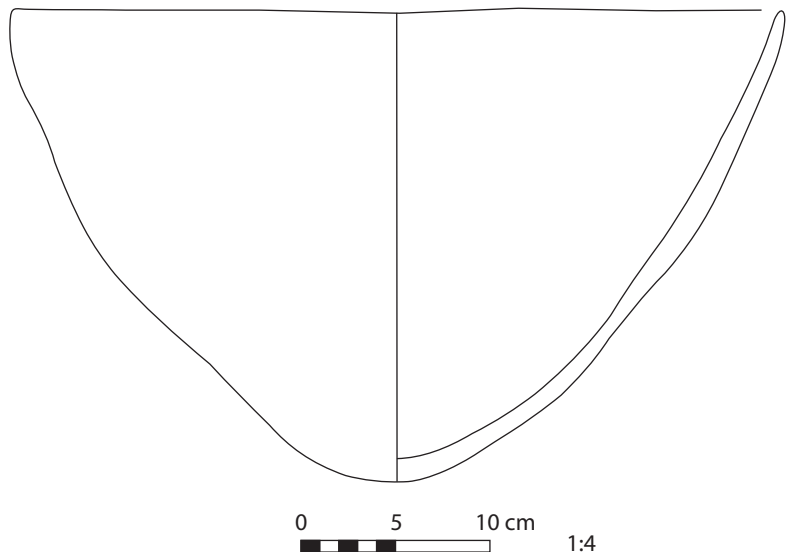
**Site:** Mostagedda  
**Shape:** small beaker with flat base  
**Material:** not stated  
**Manufacture:** handmade  
**Surface:** not stated  
**Reference:** Brunton 1937: Plate xx, 20v  
**Dating:** Badari



### Badari 49

---

**Site:** Mostagedda  
**Shape:** conical basin  
**Material:** not stated  
**Manufacture:** handmade  
**Surface:** not stated  
**Reference:** Brunton 1937: Plate xx, 27A  
**Dating:** Badari



## Badari 50

---

**Site:** Mostagedda

**Shape:** spoon

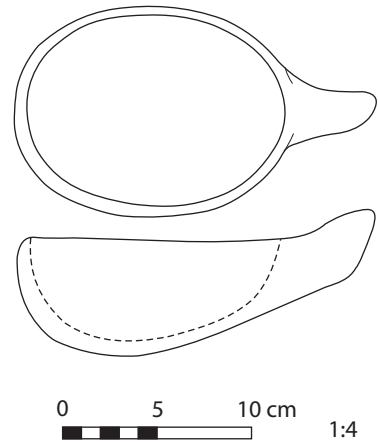
**Material:** rough brown

**Manufacture:** handmade

**Surface:** smoothed

**Reference:** Brunton 1937: Plate XVIII, 36

**Dating:** Badari



## Badari 51

---

**Site:** Edfu (?)

**Shape:** beaker

**Material:** NB with limestone inclusions

**Manufacture:** handmade

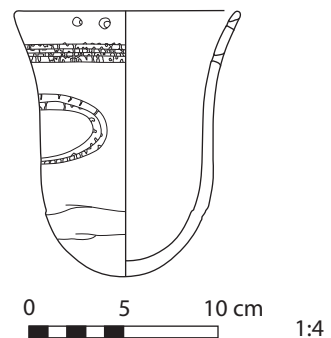
**Surface:** irregularly burnished

**Decoration:** bands of impressed dots filled with white pigment

**Reference:** Bourriau 1981: 22, Figure 21

**Similar pots in:** Brunton 1937: 28, Plates XII, XXVI; Brunton, Caton-Thompson 1928: 23, Plate XVI, 24–5, Plate XXVI, Lung 1931: 22, Plate IV

**Dating:** Tasian–early Badarian



**Badari 52, 53**

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**Site:** Mostagedda

**Shape:** bell-shaped vessel

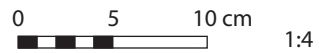
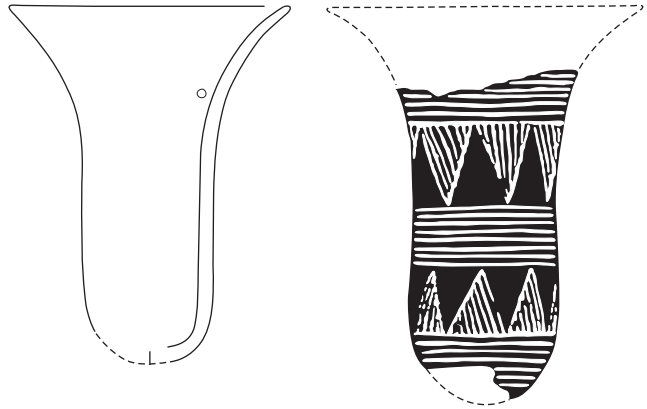
**Material:** Nile clay

**Manufacture:** handmade

**Surface:** black-polished, with white-filled incised decoration on outside

**Reference:** Brunton 1937: Plate XII, 53-54

**Dating:** Tasa-Badari





# Naqada I

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**3900–3500 B.C.**

## Material

The pottery is made of Nile silt with organic and non-organic inclusions.

For a key to clay type abbreviations, please see Clay Descriptions, pp. 21–23.

## Manufacture

Manufacture was by hand, usually from a single lump of clay, but the coiling method was also used. There was sporadic use of a turning device to shape rims (Bourriau 1981: 44).

## Surface

Naqada I pots were smoothed, or red-slipped with black tops, as was common in the Badari culture as well (“black-topped” pots). Rippling decoration, seen in the Badari period, disappears completely. The black-polished ceramics gradually vanish, while more red-polished pots appear. The most characteristic surface decoration for this period is white paint on a red-polished surface (“white cross-lined”). Some applied decoration is also seen.

## Types

The Naqada I pottery repertoire includes a variety of jars and bowls. In general the shapes are more elaborated than those from the Badari culture. Jars with elongated or ovoid bodies occur with slightly recurved or straight rims and flat bases. There are also bottles with ovoid bodies, slightly recurved rims, and flat bases. Very common are tall beakers with slightly recurved rims and flat bases, simple shallow bowls with round or flat bases, and deep basins with straight or flaring walls and flat bases. Also common are hemispherical bowls with ring bases and simple shallow bowls on four legs. Fancy forms also appear as double beakers; globular jars with two small handles on the shoulder; vessels with slightly carinated walls and one loop handle attached to the rim; jars with conical lids; vessels shaped like a pair of breasts; segmented bottles; and human figure or animal-shaped vessels, which appear late in the Naqada I.

For photos of ceramics representative of this period, see Color Plate 5.

## Bibliography

- Baumgartel, E. J. 1970. *Petrie's Naqada Excavation: A Supplement*. London: B. Quaritch.
- Bourriau, J. D. 1981. *Umm el-Ga'ab. Pottery from the Nile Valley before the Arab Conquest*. Cambridge: Cambridge University Press.
- Buchez, N. 2002. Le mobilier céramique. In *Adaïma. 1. Économie et habitat*, edited by B. Midant-Reynes, 169–289. Cairo: IFAO.
- Crowfoot Payne, J. 1993. *Catalogue of the Predynastic Egyptian Collection in the Ashmolean Museum*. Oxford: Oxford University Press.
- Kaiser, W. 1957. *Zur Innen Chronologie der Naqadakultur*. *Archaeologica Geographica* 6: 69–77.
- Petrie, W. M. F. 1921. *Corpus of Prehistoric Pottery and Palettes*. London: British School of Archaeology in Egypt.
- Regner, C. 1998. *Keramik*. Wiesbaden: Harrassowitz.



## Naqada I 1

---

**Site:** Naqada

**Shape:** large beaker

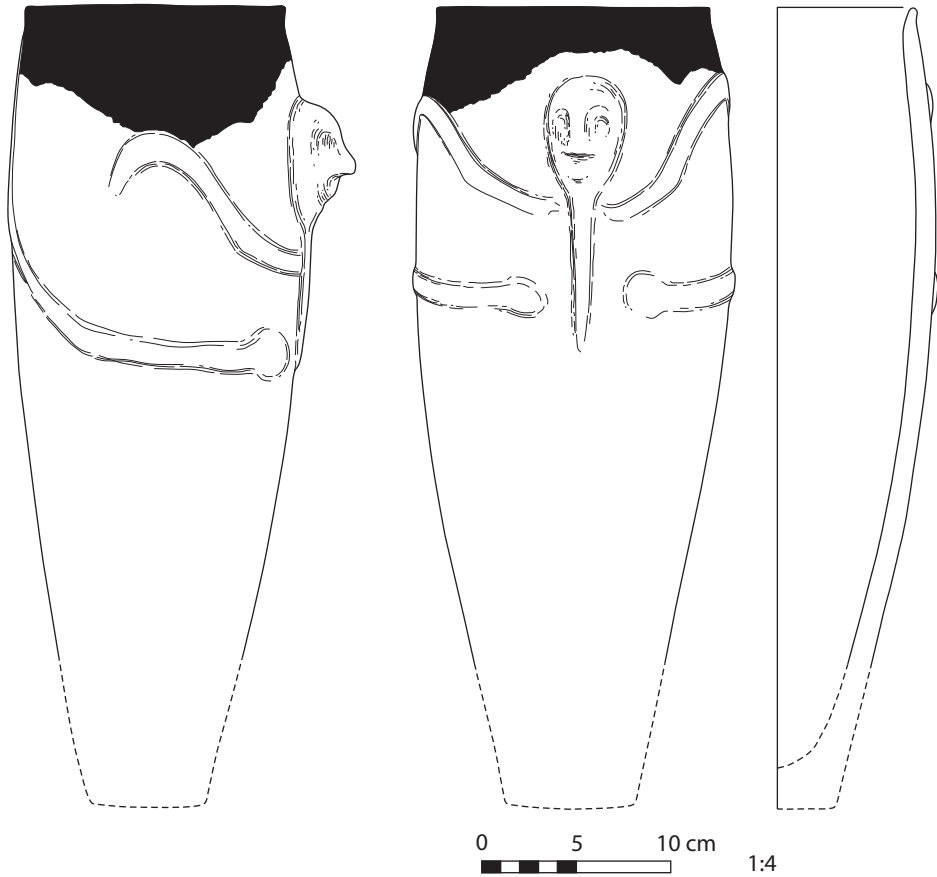
**Material:** fine Nile (probably NB1)

**Manufacture:** hand-turned

**Surface:** red-coated with black rim; vertically burnished over the body, horizontally over the rim, applied decoration outside

**Reference:** Crowfoot Payne 1993: Figure 22, 105

**Dating:** Naqada I



## Naqada I 2

---

**Site:** Hu

**Shape:** bottle

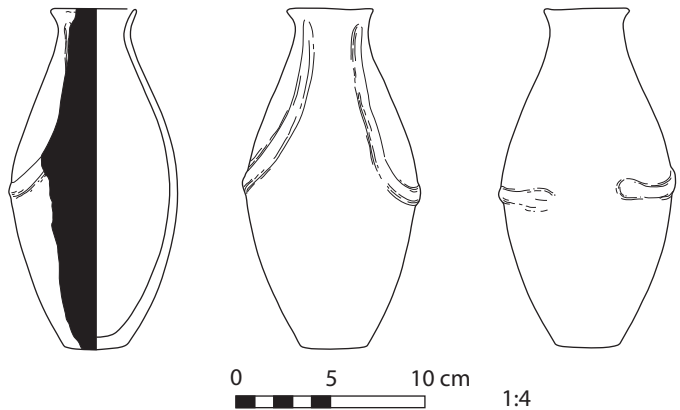
**Material:** fine Nile (probably NB1)

**Manufacture:** hand-turned

**Surface:** red-coated with black rim; vertically burnished over the body, horizontally over the rim, applied decoration outside

**Reference:** Crowfoot Payne 1993: Figure 23, 107

**Dating:** Naqada I



## Naqada I 3

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**Site:** Naqada or Ballas

**Shape:** vase with wide rim and small flat base

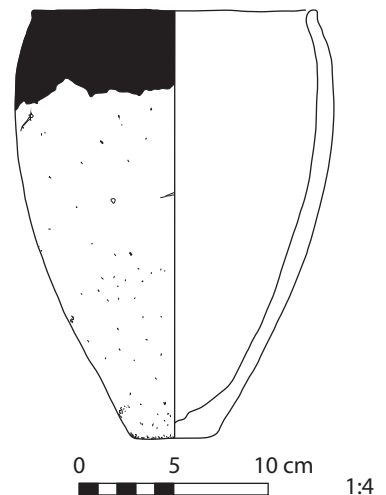
**Material:** NB1

**Manufacture:** handmade

**Surface:** red-coated with black rim; polished

**Reference:** Regner 1998: 43

**Dating:** Naqada IC-IIA



## Naqada I 4

**Site:** Naqada

**Shape:** jar with ovoid body, simple rim, and narrow flat base

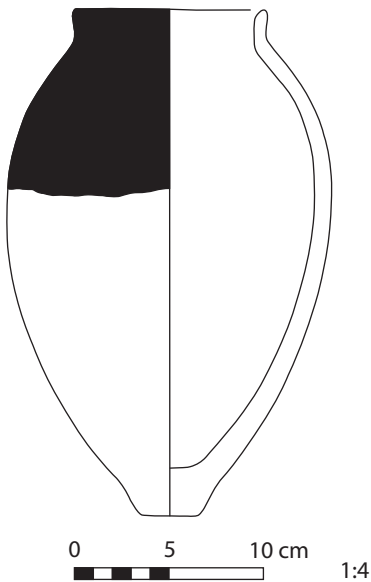
**Material:** fine Nile (probably NB1)

**Manufacture:** handmade

**Surface:** red-coated with black rim; vertically burnished over the body, horizontally over the rim

**Reference:** Crowfoot Payne 1993: Figure 25, 229

**Dating:** Naqada I



## Naqada I 5

**Site:** Naqada

**Shape:** bottle

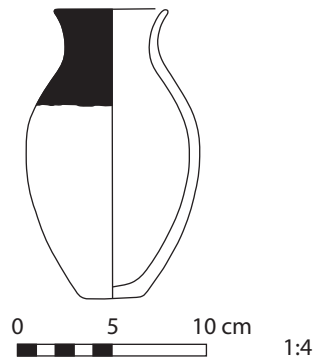
**Material:** fine Nile (probably NB1)

**Manufacture:** handmade

**Surface:** red-coated with black rim; hematite (red) coating outside, vertically burnished over body, horizontally over neck and mouth

**Reference:** Crowfoot Payne 1993: Figure 26, 311

**Dating:** Naqada I



## Naqada I 6

**Site:** Abadiya

**Shape:** jar with ovoid body, recurved rim, and flat base

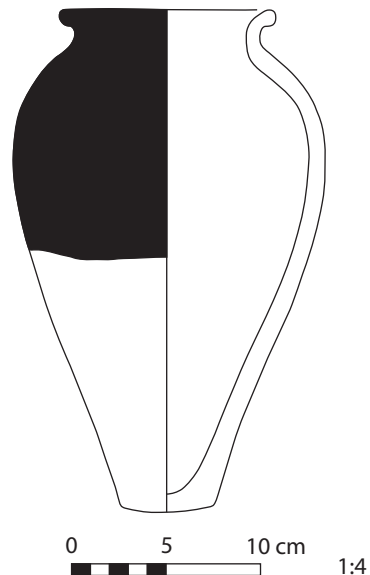
**Material:** fine Nile (probably NB1)

**Manufacture:** hand-turned

**Surface:** red-coated with black rim; vertically burnished over the body, horizontally over the rim

**Reference:** Crowfoot Payne 1993: Figure 25, 230

**Dating:** Naqada I



## Naqada I 7

**Site:** Naqada

**Shape:** tall beaker

**Material:** NB

**Manufacture:** body is coiled, rim is turned

**Surface:** red-slipped, pink-painted decoration

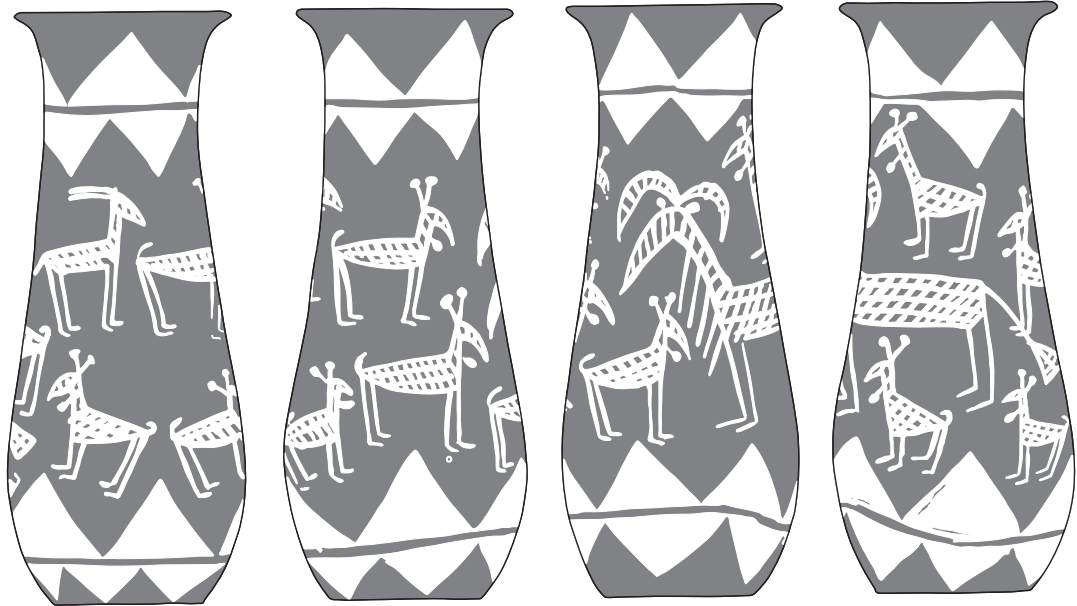
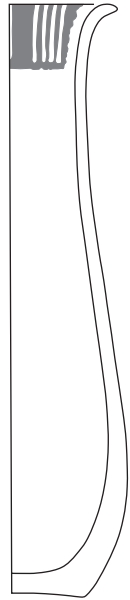
**Decoration pattern:** flock of sheep and goats within border of double triangles

**Reference:** Bourriau 1981: 28, Figure 34

**Compare:** Petrie 1974: Plate xxix, 91, 93, 95; Baumgartel 1970: Plate lii;

Petrie 1921: Plate xxv, c92; Kaiser 1957: Plate 21

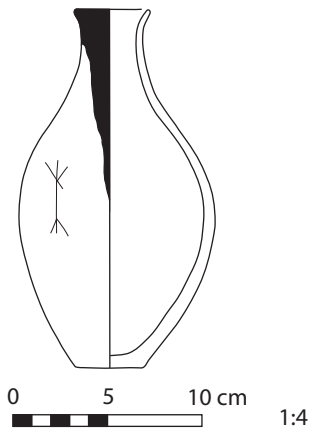
**Dating:** late Naqada I



1:4

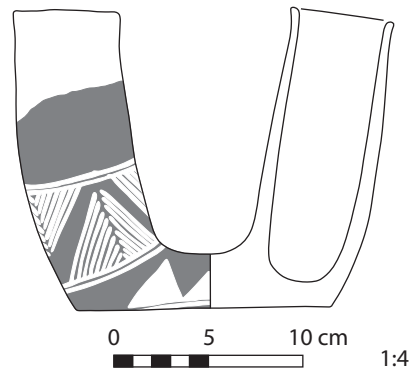
### Naqada I 8

**Site:** Naqada  
**Shape:** bottle  
**Material:** fine Nile (probably NB1)  
**Manufacture:** handmade  
**Surface:** red-coated with black rim;  
 vertically burnished over the body,  
 horizontally over the rim, with incised  
 potmark  
**Reference:** Crowfoot Payne 1993,  
 Figure 26, 309  
**Dating:** Naqada I



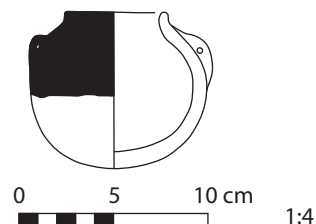
### Naqada I 9

**Site:** Naqada  
**Shape:** double beaker  
**Material:** fine Nile (probably NB1)  
**Manufacture:** handmade  
**Surface:** hematite (red) coating outside;  
 vertically burnished outside,  
 horizontally on base; band of white-  
 painted triangles filled with white lines  
 run around each beaker  
**Reference:** Crowfoot Payne 1993: Figure 22, 96  
**Dating:** Naqada I



### Naqada I 10

**Site:** Naqada  
**Shape:** small spherical jar with rounded base and two small vertical handles  
**Material:** fine Nile (probably NB1)  
**Manufacture:** handmade  
**Surface:** black rim with hematite (red) coating and remains of horizontal burnish outside  
**Reference:** Crowfoot Payne 1993: Figure 26, 335  
**Dating:** Naqada I



### Naqada I 11

**Site:** Naqada

**Shape:** small vessel with incurved rim and flat base

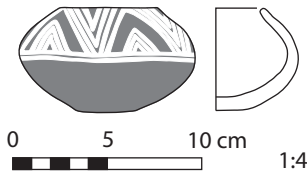
**Material:** fine Nile (probably NB1)

**Manufacture:** handmade

**Surface:** hematite (red) coating and horizontally burnished outside; decoration outside with white painted triangles filled with v-lines in band around upper part

**Reference:** Crowfoot Payne 1993: Figure 29, 413

**Dating:** Naqada I



### Naqada I 12

**Site:** Abadiya

**Shape:** carinated jar with slightly recurved rim, flat base, and one loop handle

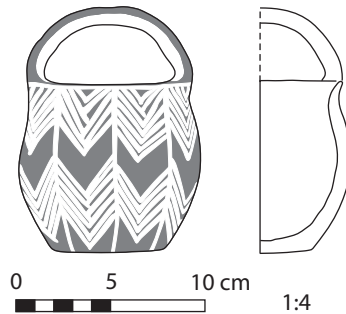
**Material:** fine Nile (probably NB1)

**Manufacture:** handmade

**Surface:** hematite (red) coating outside and over top of handle; burnished outside, perhaps diagonally; decoration outside with white painted hatched triangles hanging from rim and rising from base

**Reference:** Crowfoot Payne 1993: Figure 29, 412

**Dating:** Naqada I



### Naqada I 13

**Site:** Adaima

**Shape:** neckless bag-shaped jar with flat base, simple rim, and with a hole made prior to firing (for suspension?)

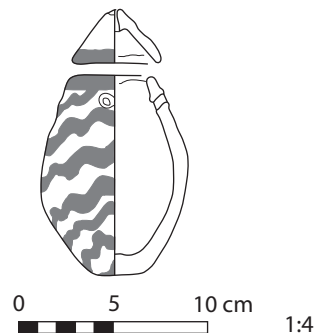
**Material:** AV6

**Manufacture:** handmade

**Surface:** smoothed, with red painted decoration

**Reference:** Buchez 2002: 221, Figure 2.10: 193

**Dating:** Naqada 1C



## Naqada I 14

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**Site:** Abadiya

**Shape:** neckless jar with ovoid body, ring foot, and two small vertical handles

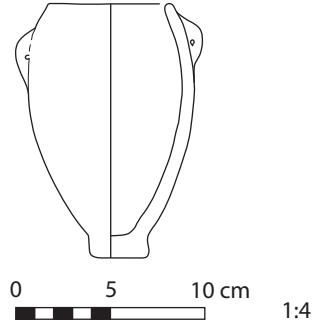
**Material:** fine Nile (probably NB1) with some chaff

**Manufacture:** handmade

**Surface:** brown-coated, with gray patches; vertically burnished outside

**Reference:** Crowfoot Payne 1993: Figure 32, 584

**Dating:** Naqada I



## Naqada I 15

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**Site:** Mahasna

**Shape:** double pot with two suspension holes

**Material:** fine Nile (probably NB1)

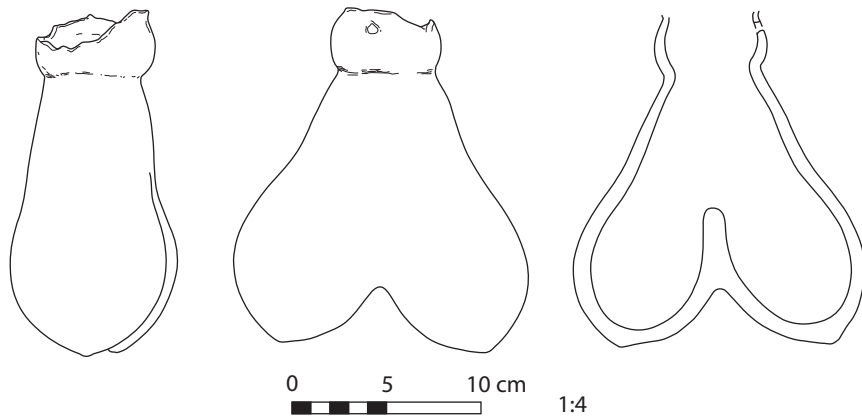
**Manufacture:** handmade

**Surface:** brown/black-coated; vertically burnished outside, horizontally near top

**Remarks:** incised potmark

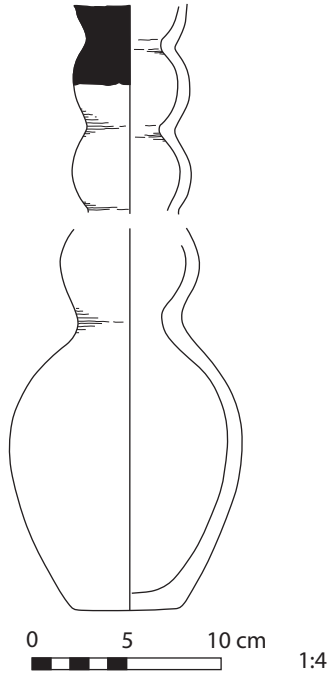
**Reference:** Crowfoot Payne 1993: Figure 32, 576

**Dating:** Naqada I



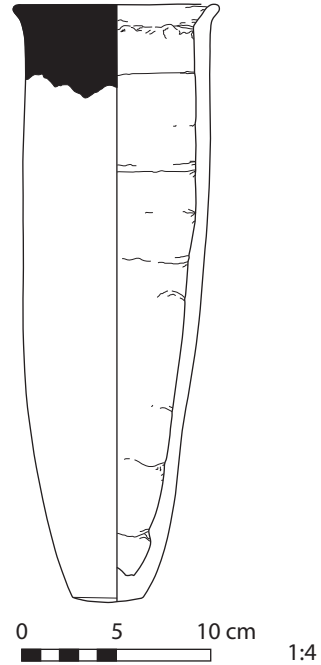
### Naqada I 16

**Site:** Naqada  
**Shape:** segmented bottle  
**Material:** fine Nile (probably NB1)  
**Manufacture:** handmade  
**Surface:** red-coated with black top; hematite (red) coating; vertically burnished outside  
**Reference:** Crowfoot Payne 1993: Figure 26, 331  
**Dating:** Naqada I  
**Representative Example:** similar to Color Plate 5.4



### Naqada I 17

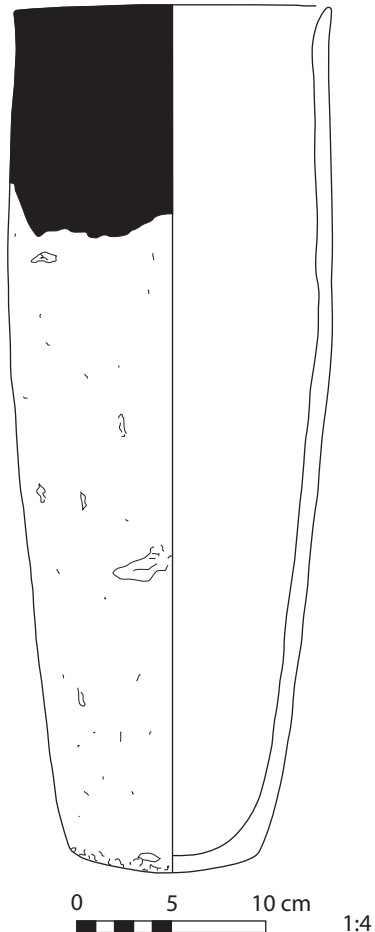
**Site:** Naqada  
**Shape:** tall beaker  
**Material:** NB  
**Manufacture:** body is coiled, rim is turned  
**Surface:** red-washed, polished, top of rim is black  
**Reference:** Bourriau 1981: 18, Figure 3  
**Compare:** Baumgartel 1970: Plate x  
**Dating:** late Naqada I





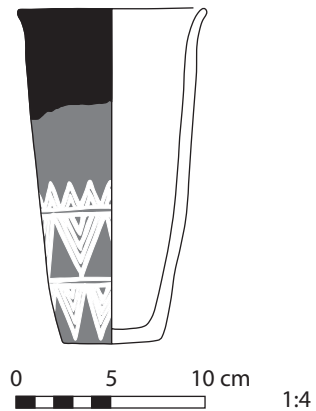
## Naqada I 18

**Site:** not stated  
**Shape:** tall beaker  
**Material:** NB1  
**Manufacture:** handmade  
**Surface:** red-coated with black rim  
**Reference:** Regner 1998: 41  
**Dating:** Naqada IB



## Naqada I 19

**Site:** Naqada  
**Shape:** beaker with flaring rim  
**Material:** fine Nile (probably NB1)  
**Manufacture:** handmade  
**Surface:** red-coated with black rim;  
hematite (red) coating outside; vertically  
burnished over the body, horizontally  
over the rim; decoration with white  
painted horizontal bands  
containing plain and filled triangles  
**Reference:** Crowfoot Payne 1993: Figure 22, 95  
**Dating:** Naqada I



## Naqada I 20

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**Site:** Mahasna

**Shape:** beaker with flaring rim

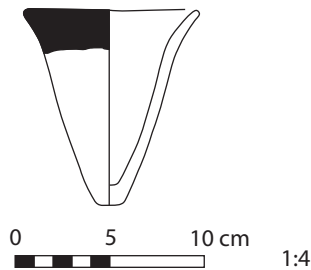
**Material:** fine Nile (probably NB1)

**Manufacture:** handmade

**Surface:** red-coated with black rim; hematite (red) coating inside and outside; vertically burnished over the body, horizontally over the rim

**Reference:** Crowfoot Payne 1993: Figure 24, 154

**Dating:** Naqada I



## Naqada I 21

---

**Site:** Naqada or Ballas

**Shape:** small cup with steep walls and flat base

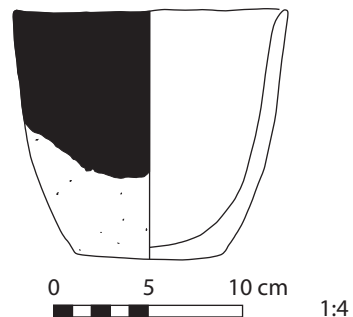
**Material:** NA

**Manufacture:** handmade

**Surface:** red-coated with black rim, polished

**Reference:** Regner 1998: 42

**Dating:** Naqada IB-IIc



## Naqada I 22

---

**Site:** Naqada

**Shape:** simple bowl with slightly flattened base

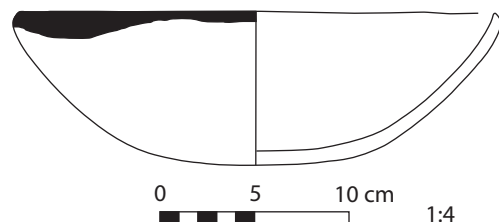
**Material:** fine Nile (probably NB1)

**Manufacture:** handmade

**Surface:** red-coated with black rim; hematite (red) coating inside and outside; horizontally burnished inside and outside, strokes crossing

**Reference:** Crowfoot Payne 1993: Figure 24, 117

**Dating:** Naqada I



## Naqada I 23

---

**Site:** Abadiya

**Shape:** oval bowl with rounded base

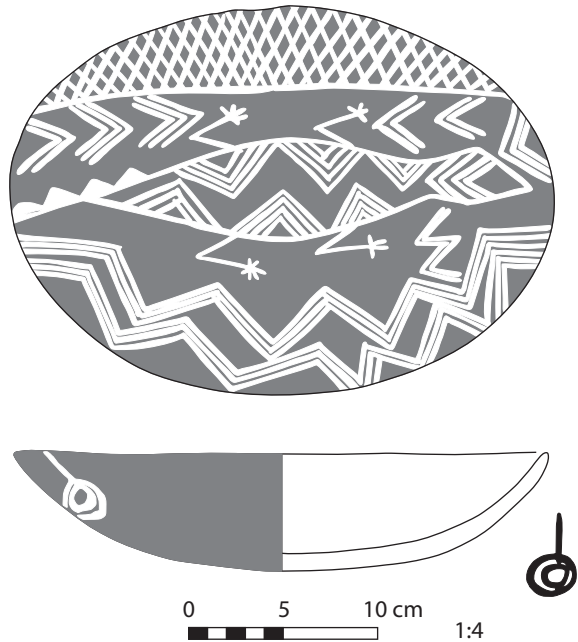
**Material:** fine Nile (probably NB1)

**Manufacture:** handmade

**Surface:** red-coated; hematite (red) coating; horizontally burnished inside and outside;  
decoration with white painted swimming crocodile surrounded by zigzag lines inside;  
along one side a net attached to a weight at each end on outside of bowl

**Reference:** Crowfoot Payne 1993: Figure 27, 388

**Dating:** Naqada I



## Naqada I 24

---

**Site:** Naqada

**Shape:** bowl with flaring walls and flat base

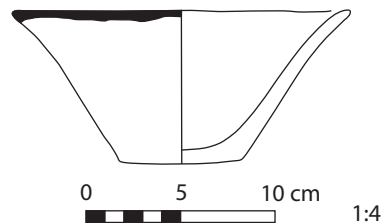
**Material:** fine Nile (probably NB1)

**Manufacture:** handmade

**Surface:** red-coated with black rim; hematite (red) coating inside and outside, vertically burnished  
outside, horizontal over mouth

**Reference:** Crowfoot Payne 1993: Figure 24, 119

**Dating:** Naqada I



## Naqada I 25

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**Site:** Naqada

**Shape:** bowl with flaring walls and flat base

**Material:** fine Nile (probably NB1)

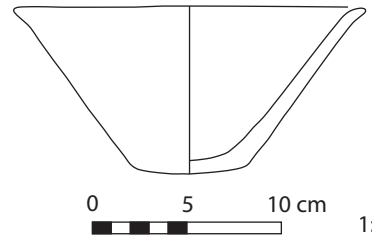
**Manufacture:** handmade

**Surface:** red-coated; hematite (red) coating inside and out; vertically burnished outside, horizontally inside and over mouth; decoration with white painted crosshatched bands, and triangles filled with v-shaped lines

**Reference:** Crowfoot Payne 1993: Figure 27, 394

**Dating:** Naqada I

**Representative Example:** similar to Color Plate 5.1



## Naqada I 26

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**Site:** Naqada or Ballas

**Shape:** bowl with flaring walls and flat base

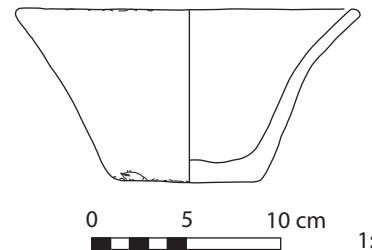
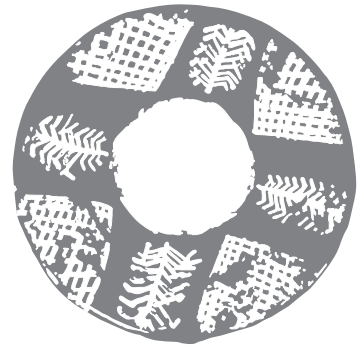
**Material:** NA

**Manufacture:** handmade

**Surface:** red-coated, polished, with white painted decoration

**Reference:** Regner 1998: 82

**Dating:** Naqada IC



## Naqada I 27

**Site:** Naqada

**Shape:** bowl with flaring walls and flat base

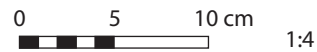
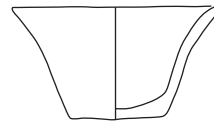
**Material:** NA

**Manufacture:** handmade

**Surface:** red-coated, polished, with white painted decoration

**Reference:** Regner 1998: 83

**Dating:** Naqada IC



## Naqada I 28

**Site:** Abydos

**Shape:** hemispherical bowl on stem, base hollowed

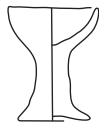
**Material:** fine Nile (probably NB1)

**Manufacture:** handmade

**Surface:** brown-coated; traces of burnish outside, vertically on stem, horizontally on bowl

**Reference:** Crowfoot Payne 1993: Figure 596

**Dating:** Naqada I



## Naqada I 29

**Site:** Naqada

**Shape:** hemispherical bowl with high ring base

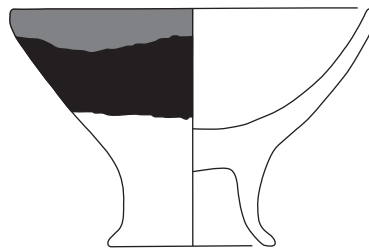
**Material:** fine Nile (probably NB1)

**Manufacture:** handmade

**Surface:** red- and black-coated; hematite (red) coating over upper part of outside; horizontally burnished inside and outside, lines crossing; decoration with cream wash outside over foot and lower part of bowl

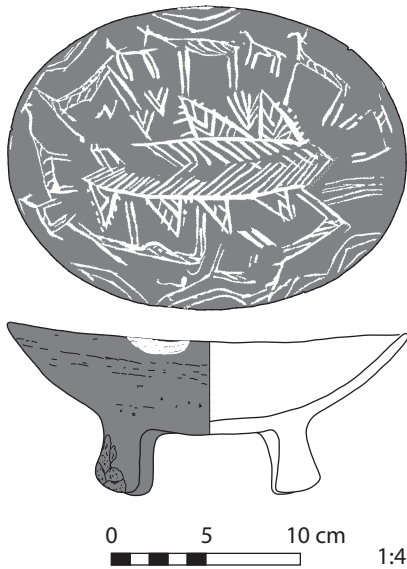
**Reference:** Crowfoot Payne 1993: Figure 22, 102

**Dating:** Naqada I



### Naqada I 30

**Site:** not stated  
**Shape:** oval bowl on four legs  
**Material:** NA  
**Manufacture:** handmade  
**Surface:** red-coated, polished, with white painted decoration inside  
**Reference:** Regner 1998: 125–126  
**Dating:** Naqada I–IIA



### Naqada I 31

**Site:** Nag el-Alawna  
**Shape:** oval bowl on four legs  
**Material:** fine Nile (probably NB1)  
**Manufacture:** handmade  
**Surface:** red-coated; horizontal burnish inside and outside, with white painted decoration inside  
**Reference:** Crowfoot Payne 1993: Figure 27, 389  
**Dating:** Naqada I



## Naqada I 32

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**Site:** Abadiya

**Shape:** figure vase

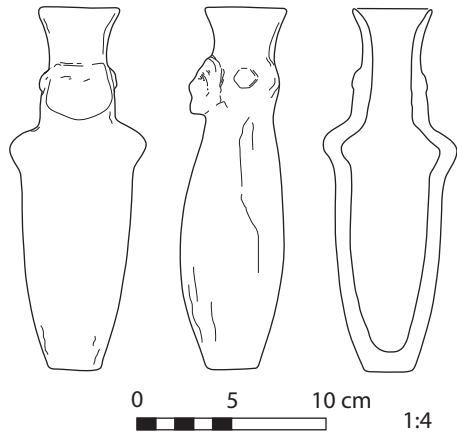
**Material:** fine Nile (probably NB1)

**Manufacture:** hand-turned

**Surface:** red-coated with black rim; thin hematite (red) coating and vertically burnished outside;  
decoration consisting of face and stump-arms modeled separately and attached

**Reference:** Crowfoot Payne 1993: Figure 22, 104

**Dating:** Naqada I



## Naqada I 33

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**Site:** Naqada

**Shape:** fish vase

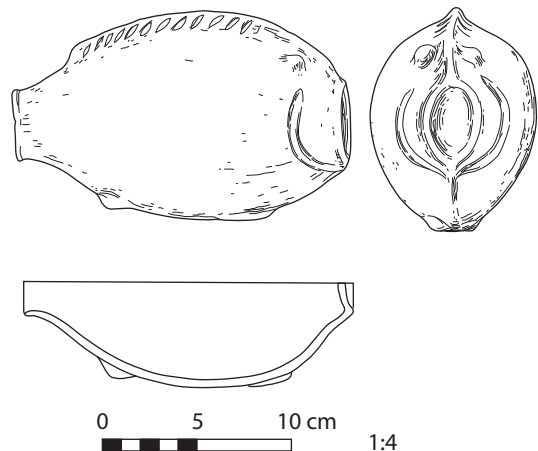
**Material:** fine Nile (probably NB1)

**Manufacture:** handmade

**Surface:** hematite (red) coating outside; burnished from head to tail and around opening at tail;  
black over head; decoration with details of eyes, gills, and fins

**Reference:** Crowfoot Payne 1993: Figure 23, 109

**Dating:** Naqada I



## Naqada II

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**3500–3200 B.C.**

### **Material**

Pots of the Naqada II period are made largely of Nile silt. However, this period is also characterized by the introduction and mastery of new marl material. The development of highly sophisticated kilns is another important change in pottery production during the Naqada II period.

For a key to clay type abbreviations, please see Clay Descriptions, pp. 21–23.

### **Manufacture**

The pots are mostly made by hand-coiling. Traces of shaping are visible on rims and indicate the use of some kind of turning device.

### **Surface**

The Naqada II ceramic material is characterized by painted decoration on the plain surface of pots made of marls. The patterns include boats, plants, human figures, birds, animals, landscape details, and geometric motifs, such as spirals and zigzags. The painted motifs very often imitate the surface of stone vessels. The surfaces of the vessels were smoothed and also red-coated. Black-topped vessels still appear in this period.

### **Types**

Some shapes of the Naqada period are imitations of contemporary stone vessels, especially globular jars with small handles. Their bases are rounded but also flat. Some jars with elongated bodies have footed bases. Tall vases and smaller slender cups with steep walls and flaring rims, also with black rims, seem to have been very popular. Open forms with flaring walls are also common. Jars with wavy handles, imports from Canaan, were an inspiration for local Egyptian pottery production at the end of the Naqada II period. But the Egyptian wavy-handled jars were produced in different, more slender shapes. The presence of small handles is an innovation of the period. They are pierced with small holes and suggest that the handles were used to suspend the pots.

For photos of ceramics representative of this period, see Color Plates 6 and 7.



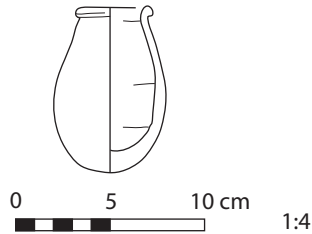
## Bibliography

- Baumgartel, E. J. 1970. *Petrie's Naqada Excavations: Supplement*. London: B. Quaritch.
- Bourriau, J. D. 1981. *Umm el-Ga'ab. Pottery from the Nile Valley before the Arab Conquest*. Cambridge: Cambridge University Press.
- Brunton, G., and G. Caton-Thompson. 1928. *The Badarian Civilisation and Predynastic Remains near Badari*. London: British School of Archaeology in Egypt.
- Buchez, N. 2002. Le mobilier céramique. In *Adaïma. 1. Économie et habitat*, edited by B. Midant-Reynes, 169–289. Cairo: IFAO.
- Crowfoot Payne, J. 1993. *Catalogue of the Predynastic Egyptian Collection in the Ashmolean Museum*. Oxford: Oxford University Press.
- Eggebrecht, A. 1975. Keramik. In *Das alte Ägypten*, edited by C. Vandersleyen, 348–358. Propyläen Kunstgeschichte 15. Berlin: Propyläen Verlag.
- Petrie, W. M. F. 1901. *Diospolis Parva. The Cemeteries of Abadiyeh and Hu, 1898–9*. London: Egypt Exploration Fund.
- . 1920. *Prehistoric Egypt*. London: B. Quaritch.
- . 1921. *Corpus of Prehistoric Pottery and Palletes*. London: B. Quaritch.
- Regner, C. 1998. *Keramik*. Wiesbaden: Harrassowitz.

### Naqada II 1

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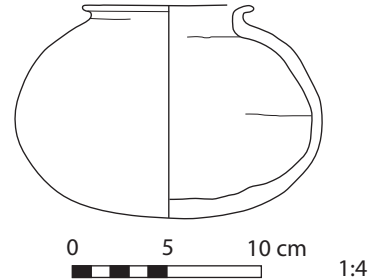
**Site:** Adaima  
**Shape:** small bag-shaped jar  
**Material:** C1  
**Manufacture:** handmade  
**Surface:** smoothed  
**Reference:** Buchez 2002: 225–226,  
Figure 2.12: 227 (3b1x/1)  
**Dating:** Naqada II



### Naqada II 2

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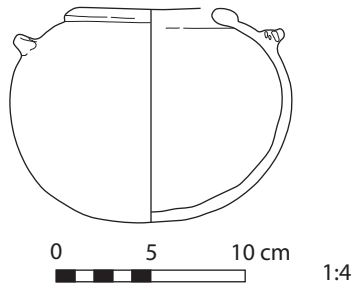
**Site:** Adaima  
**Shape:** globular jar with ledge rim and rounded base  
**Material:** C1  
**Manufacture:** handmade  
**Surface:** smoothed  
**Reference:** Buchez 2002: 225–226,  
Figure 2.12: 231 (4b1/1)  
**Dating:** Naqada II



### Naqada II 3

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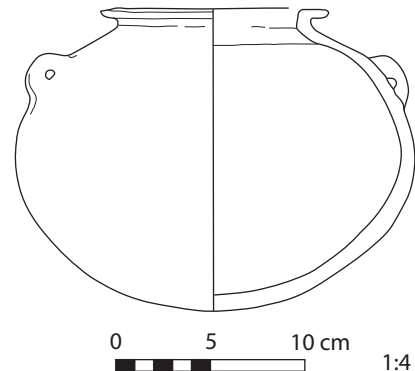
**Site:** Adaima  
**Shape:** globular jar with rounded rim, rounded base, and two small horizontal handles  
**Material:** C1  
**Manufacture:** handmade  
**Surface:** smoothed  
**Reference:** Buchez 2002: 225–226,  
Figure 2.12:228 (3b1x/1)  
**Dating:** Naqada II



### Naqada II 4

---

**Site:** Adaima  
**Shape:** globular jar with ledge rim, rounded base, and two small vertical handles  
**Material:** C1  
**Manufacture:** handmade  
**Surface:** smoothed  
**Reference:** Buchez 2002: 225–226,  
Figure 2.12: 233 (4b4/2)  
**Dating:** Naqada II  
**Representative Example:** similar shape seen in Color Plate 7.3



## Naqada II 5

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**Site:** Adaima

**Shape:** ovoid jar with ledge rim, flat base, and two small vertical handles

**Material:** C1

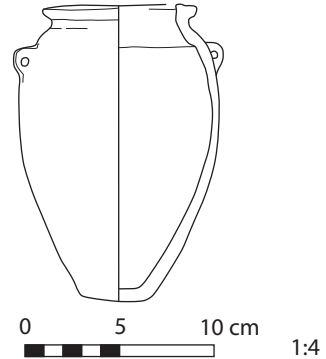
**Manufacture:** handmade

**Surface:** smoothed

**Reference:** Buchez 2002: 225–226, Figure 2.12: 235 (4b4/2)

**Dating:** Naqada II

**Representative Example:** similar shape seen in Color Plate 7.1



## Naqada II 6

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**Site:** Adaima

**Shape:** jar with elongated neck and recurved rim

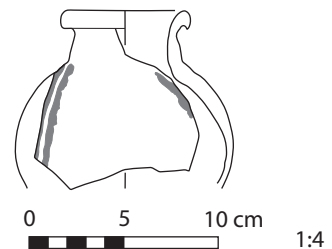
**Material:** C1 and C6

**Manufacture:** handmade

**Surface:** smoothed, with red painted decoration

**Reference:** Buchez 2002: 226–227, Figure 2.27: 4

**Dating:** Naqada II



## Naqada II 7

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**Site:** Naqada

**Shape:** ovoid jar with ledge rim, flat base, and two small vertical handles

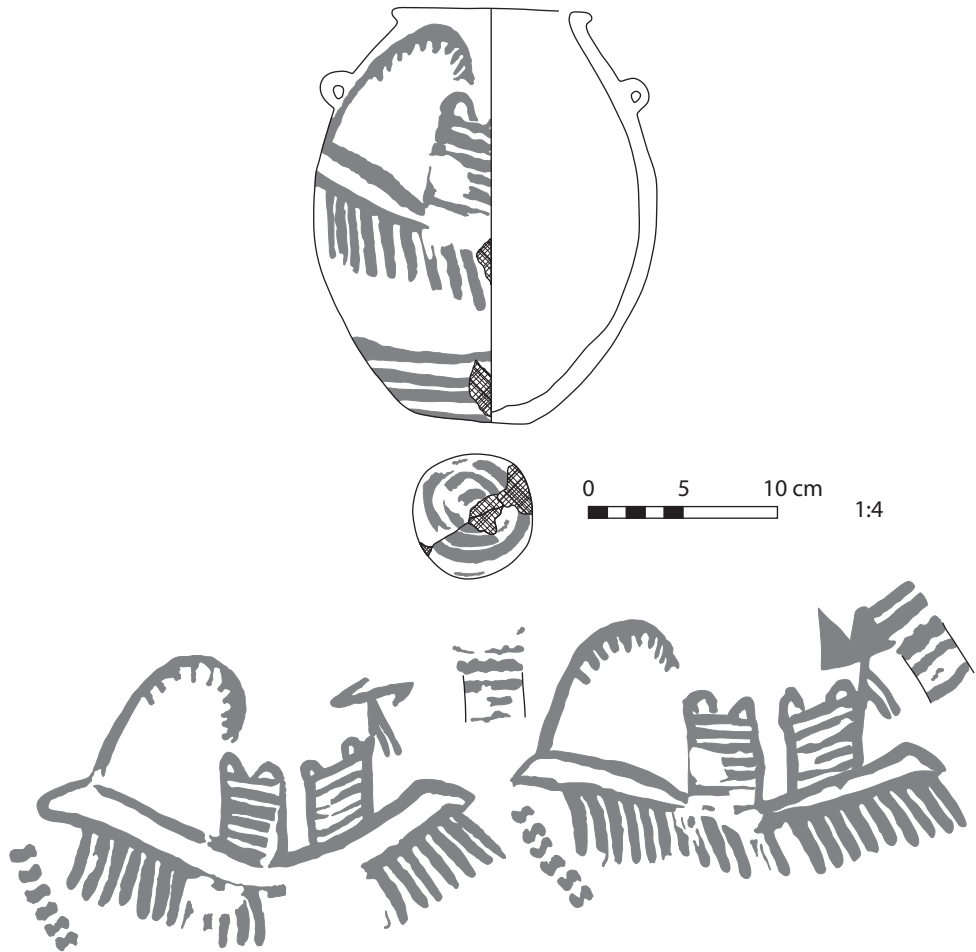
**Material:** MA1

**Manufacture:** handmade

**Surface:** smoothed, with red painted decoration

**Reference:** Regner 1998: 99–100

**Dating:** Naqada IIC–D1



## Naqada II 8

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**Site:** Adaima

**Shape:** neckless jar with recurved rim

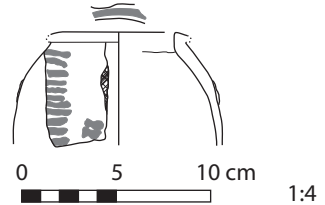
**Material:** C1 and C6

**Manufacture:** handmade

**Surface:** smoothed, with red painted decoration

**Reference:** Buchez 2002: 226–227, Figure 2.27: 1

**Dating:** Naqada II



## Naqada II 9

---

**Site:** not stated

**Shape:** ovoid jar with footed base and two small vertical handles

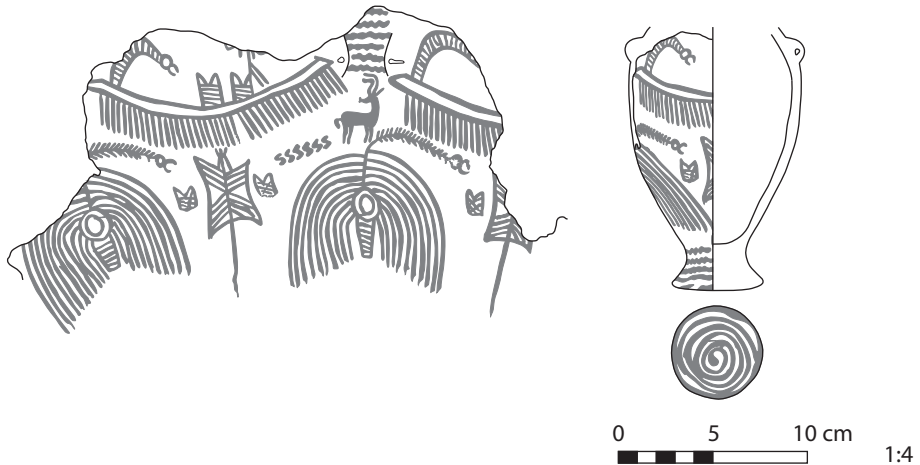
**Material:** MA1

**Manufacture:** handmade

**Surface:** smoothed, with red painted decoration

**Reference:** Regner 1998: 98–99

**Dating:** Naqada IIB–C



## Naqada II 10

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**Site:** Semaineh

**Shape:** globular jar with recurved rim, flat base, and two tubular handles

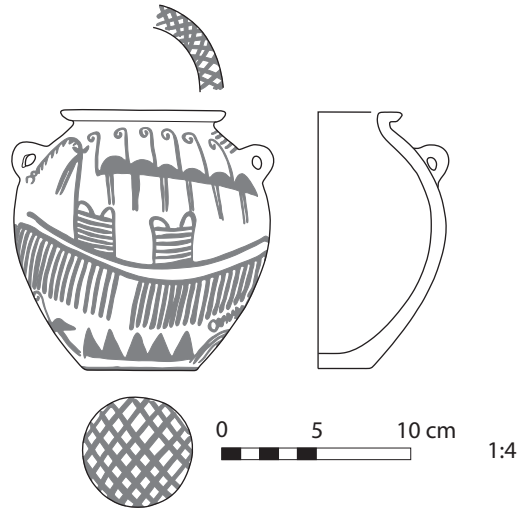
**Material:** MD

**Manufacture:** handmade

**Surface:** smoothed; with dull, red painted decoration outside

**Reference:** Crowfoot Payne 1993: 107, Figure 40: 861

**Dating:** Naqada IID1



## Naqada II 11

**Site:** Abydos

**Shape:** ovoid vase with flat base and two horizontally pierced triangular lug-handles

**Material:** probably a mixture of clays

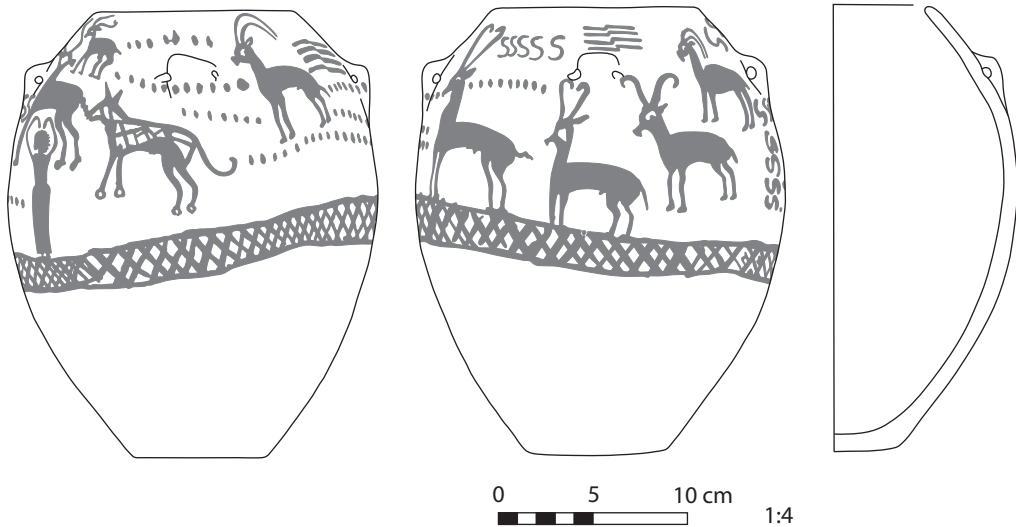
**Manufacture:** handmade

**Surface:** smoothed; with dull, red painted decoration outside

**Reference:** Crowfoot Payne 1993: 108–109, Figure 44: 873

**Dating:** Naqada IID2

**Representative Example:** similar shape seen in Color Plate 6.2



## Naqada II 12

**Site:** not stated

**Shape:** globular jar with wide recurved rim, flat base, and two tubular handles

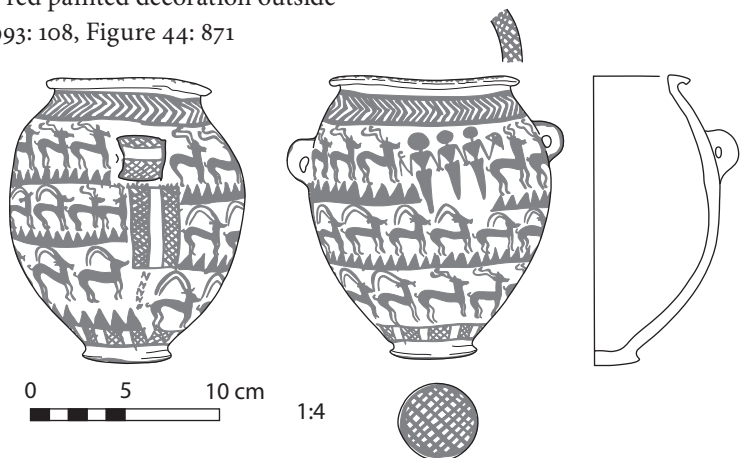
**Material:** MD

**Manufacture:** handmade

**Surface:** smoothed; with dull, red painted decoration outside

**Reference:** Crowfoot Payne 1993: 108, Figure 44: 871

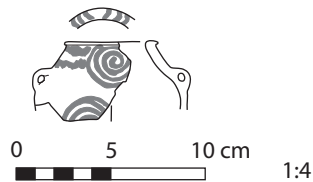
**Dating:** Naqada IID2



### Naqada II 13

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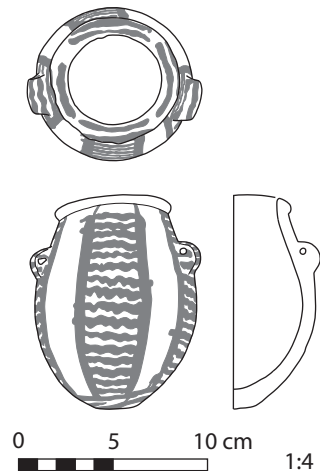
**Site:** Adaima  
**Shape:** small jar with recurved rim and two small vertical handles  
**Material:** C1 and C6  
**Manufacture:** handmade  
**Surface:** smoothed, with red painted decoration  
**Reference:** Buchez 2002: 226–227, Figure 2.26: 11  
**Dating:** Naqada II



### Naqada II 14

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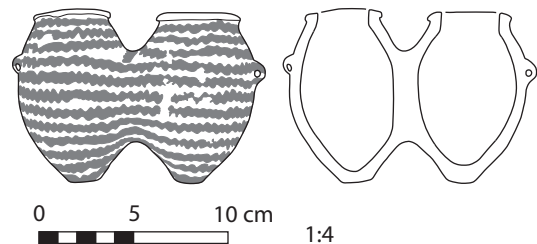
**Site:** Naqada  
**Shape:** bag-shaped jar with two small pierced handles  
**Material:** MA1  
**Manufacture:** handmade  
**Surface:** smoothed, with red/brown painted decoration  
**Reference:** Regner 1998: 102–103  
**Dating:** Naqada IID  
**Representative Example:** similar to Color Plate 7.2



### Naqada II 15

---

**Site:** not stated  
**Shape:** two joined bag-shaped jars with small pierced handles  
**Material:** MA1  
**Manufacture:** handmade  
**Surface:** smoothed, with red/brown painted decoration  
**Reference:** Regner 1998: 104–105  
**Dating:** Naqada IID





## Naqada II 16

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**Site:** Adaima

**Shape:** jar wall fragment

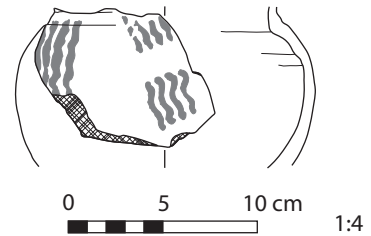
**Material:** c1 and c6

**Manufacture:** handmade

**Surface:** smoothed, with red painted decoration

**Reference:** Buchez 2002: 226–227, Figure 2.27: 5

**Dating:** Naqada II



## Naqada II 17

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**Site:** Naqada

**Shape:** globular jar with ledge rim, rounded base, and two small vertical handles

**Material:** MA1

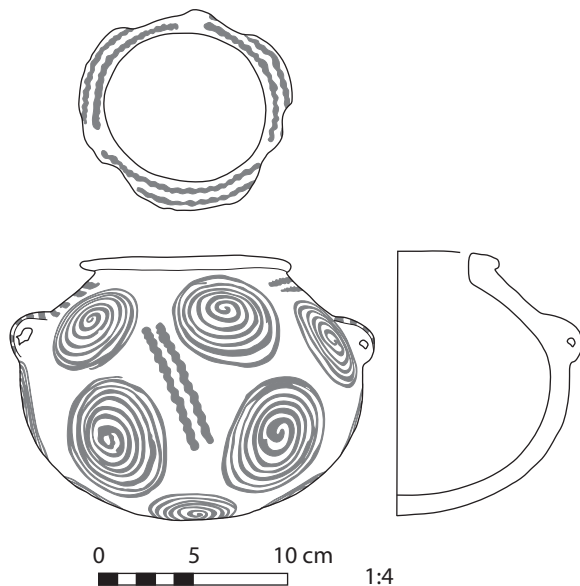
**Manufacture:** handmade

**Surface:** smoothed, with red painted decoration

**Reference:** Regner 1998: 100–101

**Dating:** Naqada IIB–C

**Representative Example:** similar to Color Plate 6.3 and 7.3



## Naqada II 18

**Site:** Naqada

**Shape:** ovoid jar with slightly recurved rim, flat base, and four horizontally pierced triangular lug-handles

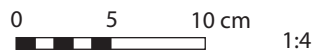
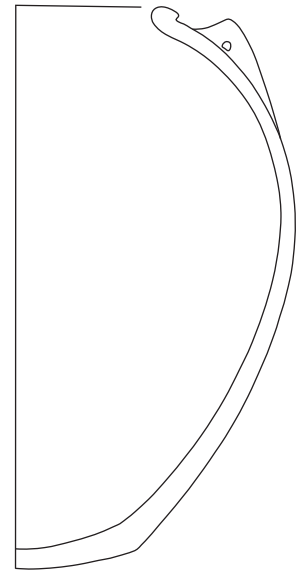
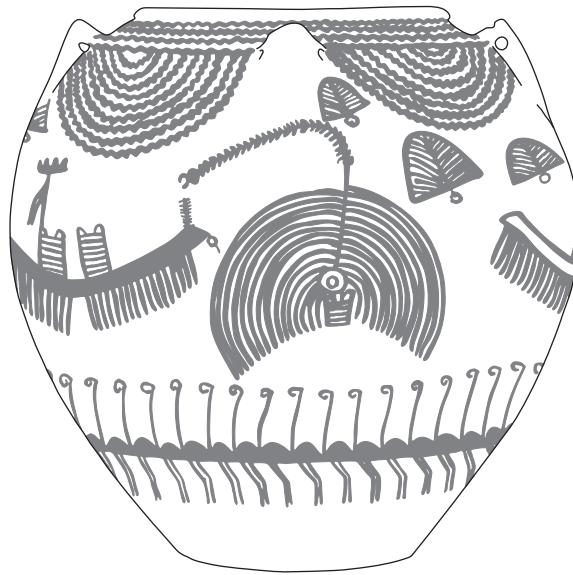
**Material:** MD

**Manufacture:** handmade

**Surface:** smoothed; with dull, red painted decoration

**Reference:** Crowfoot Payne 1993: 107, Figure 41: 864

**Dating:** Naqada IID1



## Naqada II 19

**Site:** not stated

**Shape:** ovoid jar with flat base, recurved rim, and two wavy handles

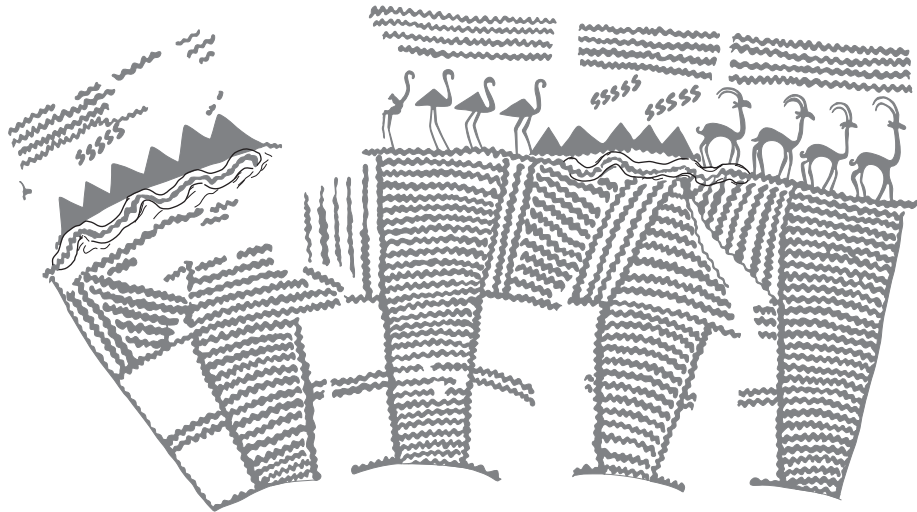
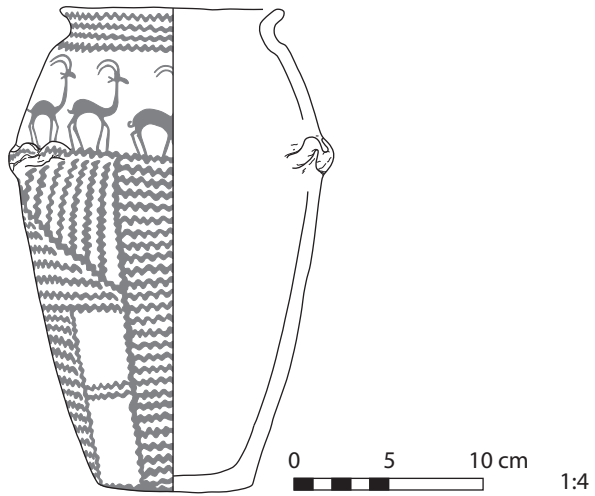
**Material:** MA1

**Manufacture:** handmade

**Surface:** smoothed, with red/brown painted decoration

**Reference:** Regner 1998: 108–109

**Dating:** Naqada IID–IIIA



## Naqada II 20

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**Site:** Adaima

**Shape:** ovoid jar with flat base, recurved rim, and two wavy handles

**Material:** C1

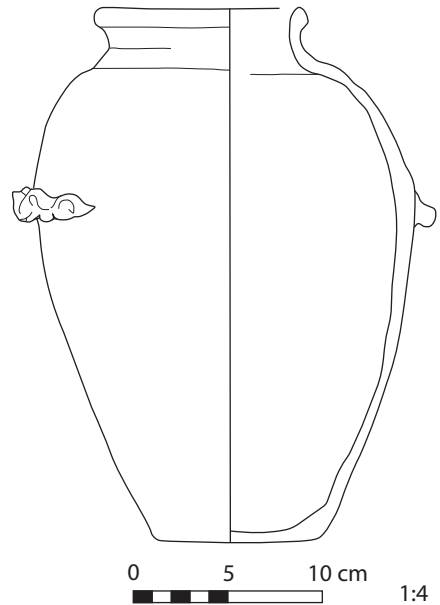
**Manufacture:** handmade

**Surface:** smoothed

**Reference:** Buchez 2002: 225–226, Figure 2.13: 257 (4b2/2)

**Dating:** Naqada II

**Representative Example:** similar to Color Plate 6.1



## Naqada II 21

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**Site:** Adaima

**Shape:** small bag-shaped jar with slightly flaring neck and two small handles

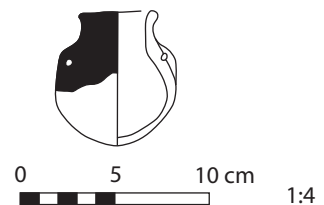
**Material:** AM1

**Manufacture:** handmade

**Surface:** red-coated with black top, polished

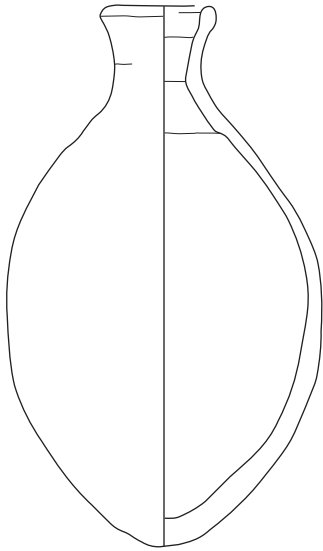
**Reference:** Buchez 2002: 199–200, Figure 2.5: 78 (4a1/1)

**Dating:** Naqada IIC



## Naqada II 22

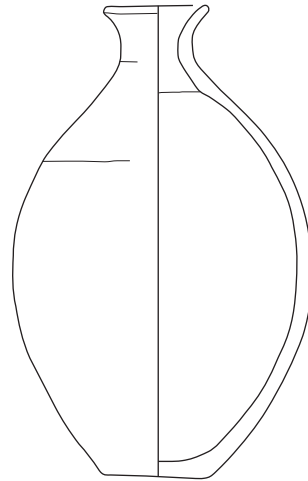
**Site:** Adaima  
**Shape:** bottle with rounded base  
**Material:** AV1  
**Manufacture:** handmade  
**Surface:** polished  
**Reference:** Buchez 2002: 216,  
Figure 2.10: 178 (AV1.8)  
**Dating:** Naqada IIB



0 5 10 cm 1:4

## Naqada II 23

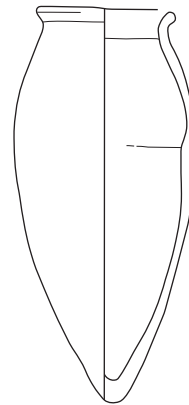
**Site:** Adaima  
**Shape:** bottle with flat base  
**Material:** AM1  
**Manufacture:** handmade  
**Surface:** red-coated with black top, polished  
**Reference:** Buchez 2002: 199–200,  
Figure 2.5: 79 (4a2/2)  
**Dating:** Naqada IIC



0 5 10 cm 1:4

## Naqada II 24

**Site:** Adaima  
**Shape:** ovoid jar with recurved rim and pointed base  
**Material:** AM1  
**Manufacture:** handmade  
**Surface:** red-coated, polished  
**Reference:** Buchez 2002: 197–199, Figure 2.4: 59 (4b1/3)  
**Dating:** Naqada II



0 5 10 cm 1:4

## Naqada II 25

**Site:** Adaima

**Shape:** ovoid jar with recurved rim and narrow flat base

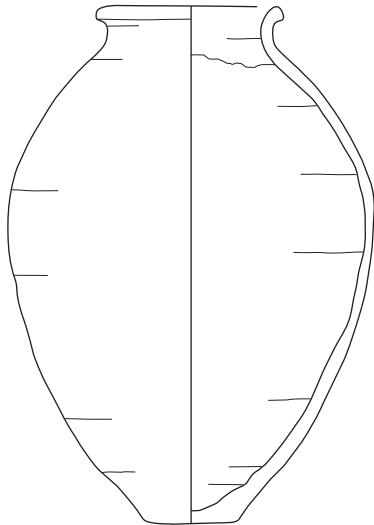
**Material:** AM1

**Manufacture:** handmade

**Surface:** red-coated, polished

**Reference:** Buchez 2002: 197–199,  
Figure 2.4: 63 (4b1/2)

**Dating:** end of Naqada I–  
beginning of Naqada II



0 5 10 cm 1:4

## Naqada II 26

**Site:** Adaima

**Shape:** squat jar with recurved rim and flat base

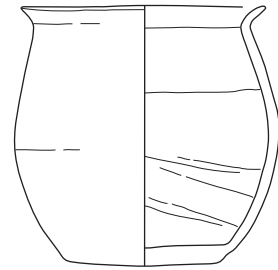
**Material:** AM1

**Manufacture:** handmade

**Surface:** red-coated, polished

**Reference:** Buchez 2002: 197–199,  
Figure 2.4: 58 (3b2/2)

**Dating:** Naqada II



0 5 10 cm

1:4

## Naqada II 27

---

**Site:** Naqada or Ballas

**Shape:** globular jar with flattened body, recurved rim, and rounded base

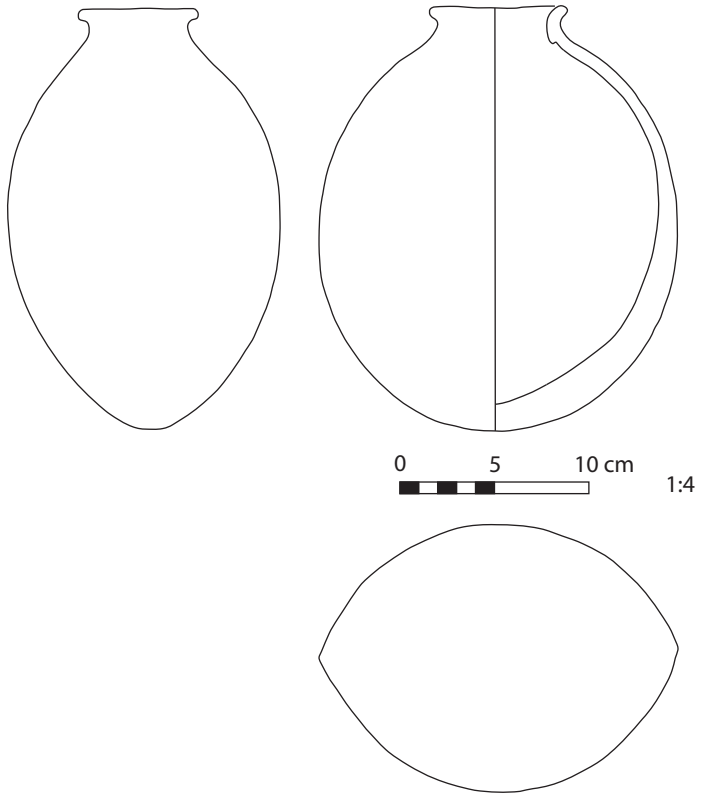
**Material:** NA

**Manufacture:** handmade

**Surface:** red-coated, polished

**Reference:** Regner 1998: 126–127

**Dating:** Naqada IIC–D



## Naqada II 28

---

**Site:** Naqada (?)

**Shape:** globular (?) jar with narrow neck, recurved rim, and long spout

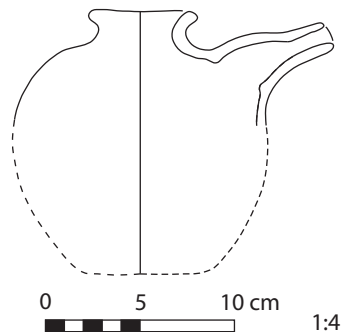
**Material:** NA

**Manufacture:** handmade

**Surface:** red-coated, polished

**Reference:** Regner 1998: 127–128

**Dating:** Naqada IIC–D



### Naqada II 29

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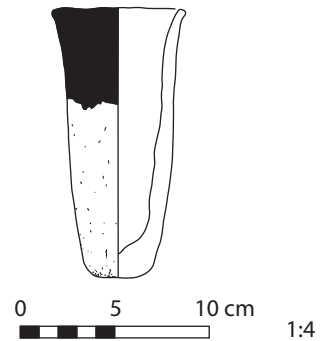
**Site:** Naqada  
**Shape:** tall beaker with recurved rim and narrow flat base  
**Material:** NA  
**Manufacture:** handmade  
**Surface:** red-coated with black top, polished  
**Reference:** Regner 1998: 52-53  
**Dating:** Naqada IIB



### Naqada II 30

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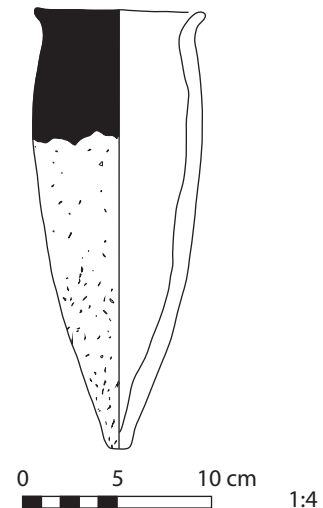
**Site:** Naqada  
**Shape:** small beaker with flaring walls and flat base  
**Material:** NA  
**Manufacture:** handmade  
**Surface:** red-coated with black top, polished  
**Reference:** Regner 1998: 53-54  
**Dating:** Naqada IIA-C



### Naqada II 31

---

**Site:** Naqada or Ballas  
**Shape:** ovoid beaker with recurved rim and pointed base  
**Material:** NB  
**Manufacture:** handmade  
**Surface:** red-coated with black top, polished  
**Reference:** Regner 1998: 58-59  
**Dating:** Naqada IIC-D





### Naqada II 32

**Site:** Adaima

**Shape:** neckless vase with incurved rim and narrow flat base

**Material:** AM1

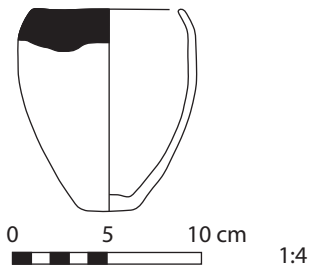
**Manufacture:** handmade

**Surface:** red-coated with black top, polished

**Reference:** Buchez 2002: 199–200,

Figure 2.5: 66 (3a1/2)

**Dating:** Naqada II



### Naqada II 33

**Site:** Adaima

**Shape:** bag-shaped jar with flat base

**Material:** AM1

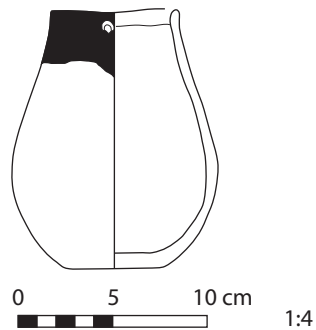
**Manufacture:** handmade

**Surface:** red-coated with black top, polished

**Reference:** Buchez 2002: 199–200,

Figure 2.5: 80 (4a3/2)

**Dating:** Naqada II



### Naqada II 34

**Site:** Adaima

**Shape:** tall ovoid beaker with small rounded rim and flat base

**Material:** AM1

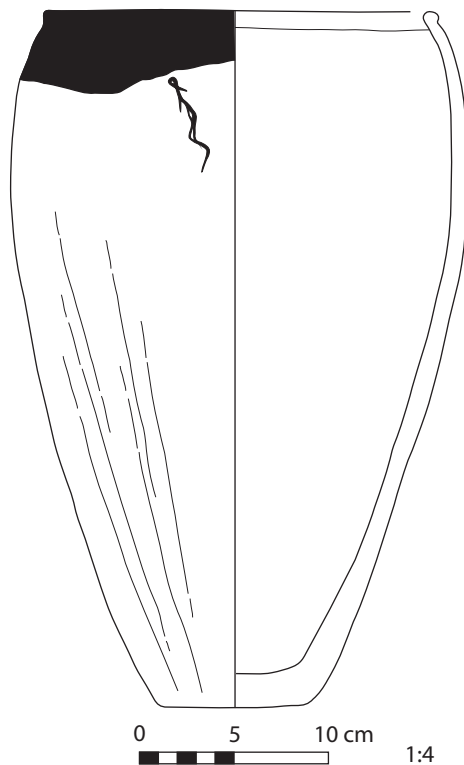
**Manufacture:** handmade

**Surface:** red-coated with black top, polished

**Reference:** Buchez 2002: 199–200,

Figure 2.5: 70 (3b1/2)

**Dating:** Naqada II



## Naqada II 35

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**Site:** Adaima

**Shape:** ovoid neckless jar with small rounded rim and flat base

**Material:** AM1

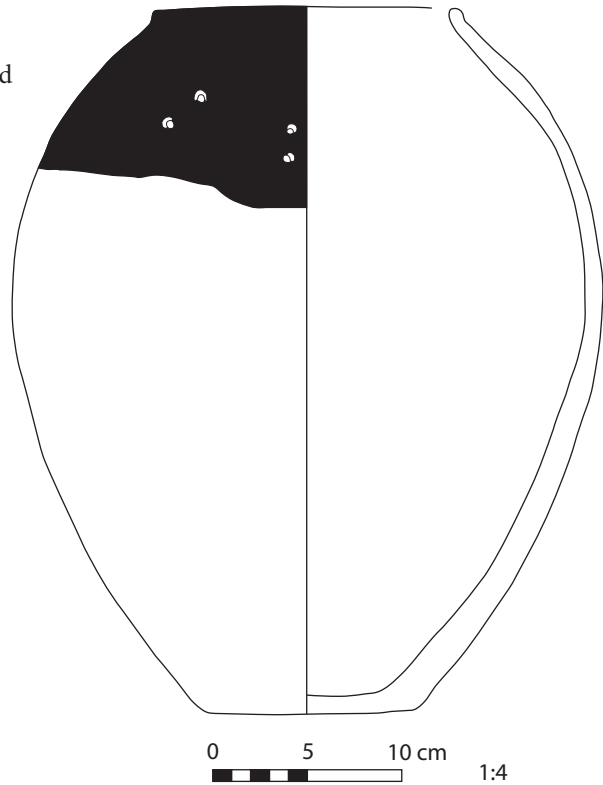
**Manufacture:** handmade

**Surface:** red-coated with black top, polished

**Reference:** Buchez 2002: 199–200,

Figure 2.5: 76 (3b1/2)

**Dating:** Naqada II



## Naqada II 36

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**Site:** Adaima

**Shape:** conical vase with wide open rim and pointed base

**Material:** AV1

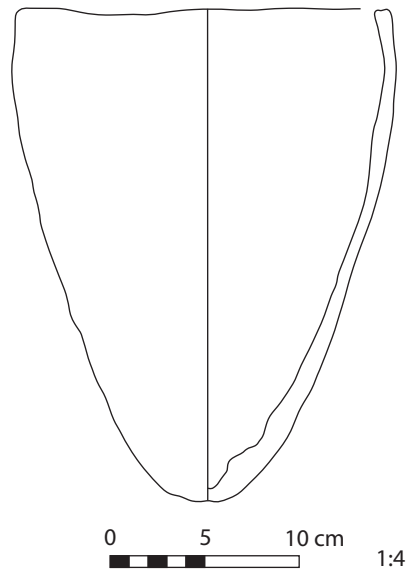
**Manufacture:** handmade

**Surface:** roughly smoothed

**Reference:** Buchez 2002: 208,

Figure 2.7: 132 (3a1/1)

**Dating:** Naqada II



## Naqada II 37

---

**Site:** Adaima

**Shape:** vase with wide rim and rounded base

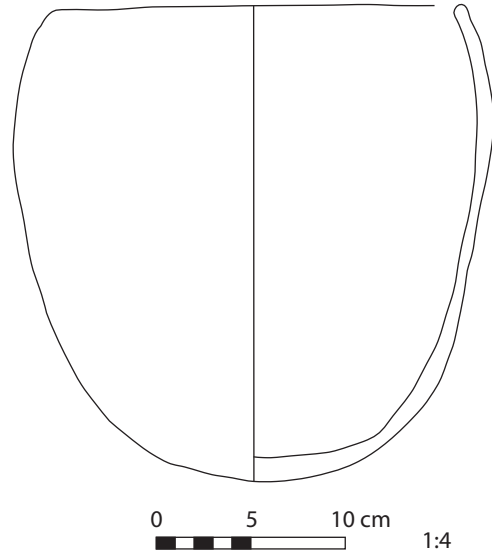
**Material:** AV1

**Manufacture:** handmade

**Surface:** roughly smoothed

**Reference:** Buchez 2002: 208, Figure 2.7: 133 (3a1/1)

**Dating:** Naqada II



## Naqada II 38

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**Site:** Adaima

**Shape:** hemispherical vase with wide rim and rounded base

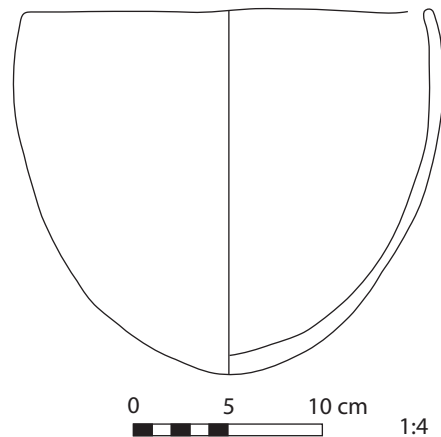
**Material:** AV1

**Manufacture:** handmade

**Surface:** roughly smoothed

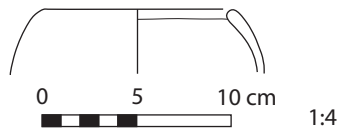
**Reference:** Buchez 2002: 208, Figure 2.7: 134 (3a1/1)

**Dating:** Naqada II



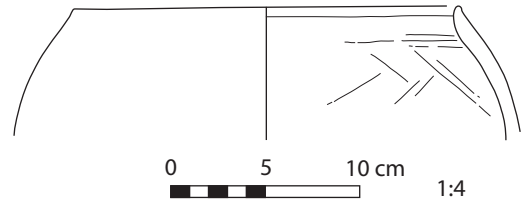
### Naqada II 39

**Site:** Adaima  
**Shape:** hole-mouthed jar  
**Material:** AM1  
**Manufacture:** handmade  
**Surface:** red-coated, polished  
**Reference:** Buchez 2002: 197–199,  
 Figure 2.15: 14  
**Dating:** end of Naqada I–beginning of  
 Naqada II



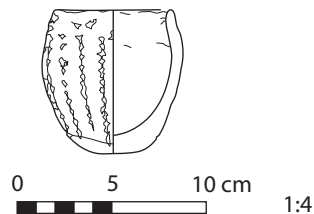
### Naqada II 40

**Site:** Adaima  
**Shape:** hole-mouthed jar  
**Material:** AM1  
**Manufacture:** handmade  
**Surface:** red-coated, polished  
**Reference:** Buchez 2002: 197–199,  
 Figure 2.15: 15  
**Dating:** end of Naqada I–  
 beginning of Naqada II



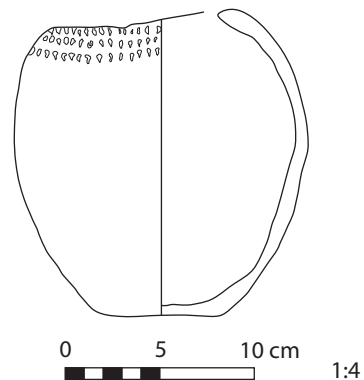
### Naqada II 41

**Site:** Matmar  
**Shape:** small beaker with rounded rim  
**Material:** NC  
**Manufacture:** handmade  
**Surface:** plain, with vertical lines of  
 triangular notches  
**Reference:** Bourriau 1981: 21, Figure 15  
**Similar pots in:** Eggebrecht 1975: 356,  
 Figure 348b  
**Dating:** middle Naqada II



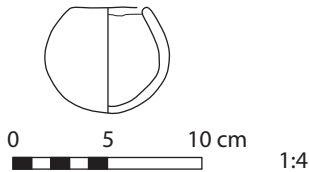
### Naqada II 42

**Site:** Adaima  
**Shape:** hole-mouthed jar with flat base  
**Material:** C1  
**Manufacture:** handmade  
**Surface:** smoothed, with incised decoration  
**Reference:** Buchez 2002: 225–226,  
 Figure 2.12: 226 (3a3/2)  
**Dating:** Naqada II



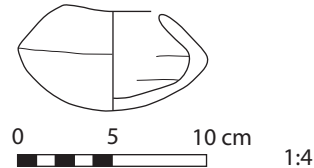
### Naqada II 43

**Site:** Adaima  
**Shape:** small hole-mouthed beaker with rounded base  
**Material:** AV1  
**Manufacture:** handmade  
**Surface:** polished  
**Reference:** Buchez 2002: 216, Figure 2.10: 177 (3a3/1-01)  
**Dating:** Naqada IIB



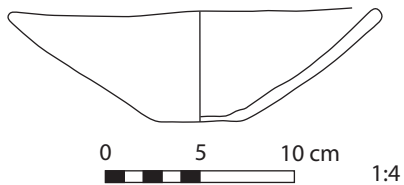
### Naqada II 44

**Site:** Adaima  
**Shape:** small squat hole-mouthed beaker with rounded base  
**Material:** AM1  
**Manufacture:** handmade  
**Surface:** red-coated, polished  
**Reference:** Buchez 2002: 197–199, Figure 2.3: 44(3a2/1)  
**Dating:** end of Naqada I–beginning of Naqada II



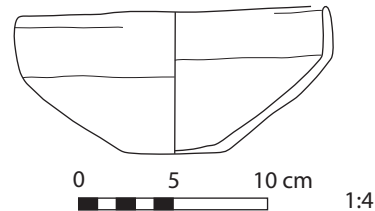
### Naqada II 45

**Site:** Adaima  
**Shape:** bowl with flaring walls and flat base  
**Material:** C1  
**Manufacture:** handmade  
**Surface:** smoothed  
**Reference:** Buchez 2002: 225–226, Figure 2.11: 204 (1a1/2)  
**Dating:** Naqada II



### Naqada II 46

**Site:** Adaima  
**Shape:** bowl with bent walls and rounded base  
**Material:** C1  
**Manufacture:** handmade  
**Surface:** smoothed  
**Reference:** Buchez 2002: 225–226, Figure 2.11: 209 (3a1/2)  
**Dating:** Naqada II



## Naqada II 47

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**Site:** Adaima

**Shape:** bowl with flaring walls, rounded rim, and flat base

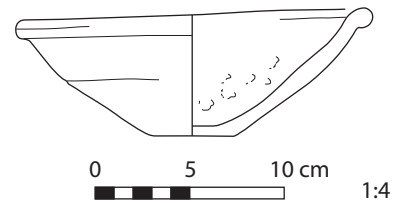
**Material:** C1

**Manufacture:** handmade

**Surface:** smoothed

**Reference:** Buclez 2002: 225–226, Figure 2.11: 206 (1b1/2)

**Dating:** Naqada II



## Naqada II 48

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**Site:** Adaima

**Shape:** bowl with convex walls with small, slightly recurved rim

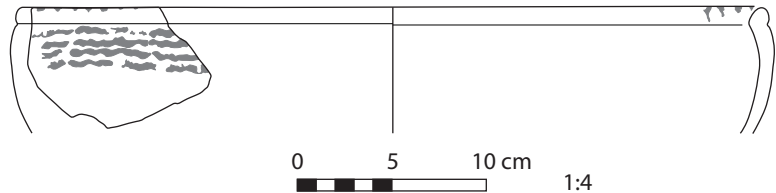
**Material:** C1 and C6

**Manufacture:** handmade

**Surface:** smoothed, with red painted decoration

**Reference:** Buclez 2002: 226–227, Figure 2.26: 25

**Dating:** Naqada II



## Naqada II 49

**Site:** not stated

**Shape:** duck-shaped vase with two barrel-lug handles for suspension

**Material:** MA4

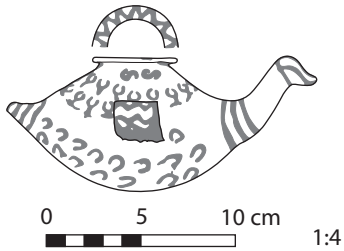
**Manufacture:** handmade

**Surface:** smoothed, with red painted decoration

**Decoration patterns:** zigzag on rim top and handles, stripes on head, base of neck and tail, horseshoe and s-design on body

**Reference:** Bourriau 1981: 30, Figure 37

**Dating:** late Naqada II



## Naqada II 50

**Site:** Abadiyeh

**Shape:** hedgehog (?) -shaped vase with two horizontal barrel-lug handles for suspension

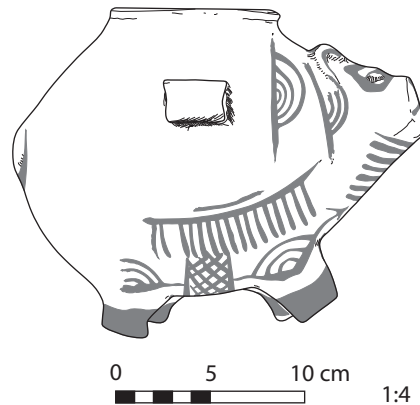
**Material:** MA1

**Manufacture:** handmade

**Surface:** smoothed, with red painted decoration

**Reference:** Bourriau 1981:31, Figure 39

**Dating:** middle Naqada II



## Naqada II 51

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**Site:** Adaima

**Shape:** bowl with flaring walls and incurved rim

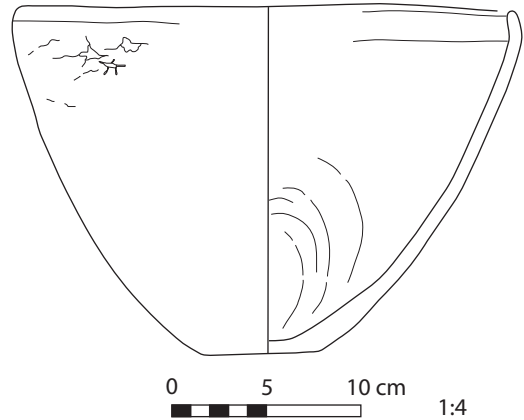
**Material:** AM1

**Manufacture:** handmade

**Surface:** red-coated, polished

**Reference:** Buechez 2002: 197–199, Figure 2.3: 47 (3a1/2)

**Dating:** end of Naqada I–beginning of Naqada II



## Naqada II 52

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**Site:** Naqada

**Shape:** beaker with flat base

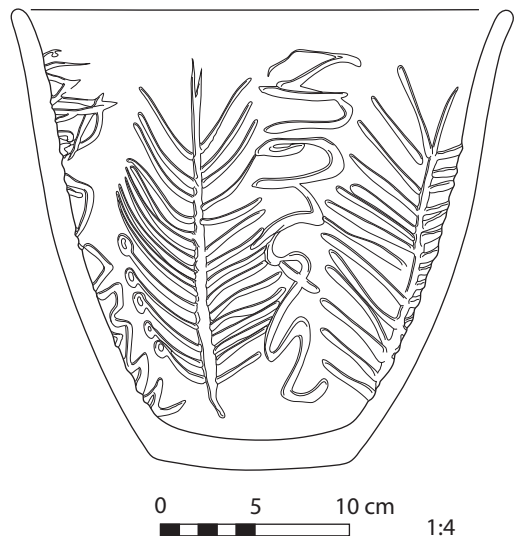
**Material:** NB

**Manufacture:** handmade, rim turned

**Surface:** red-coated, burnished outside and inside, incised leaf scabble patterns inside

**Reference:** Bourriau 1981: 25, Figure 29

**Dating:** early Naqada IIE

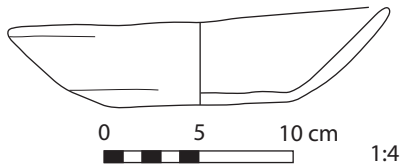




### Naqada II 53

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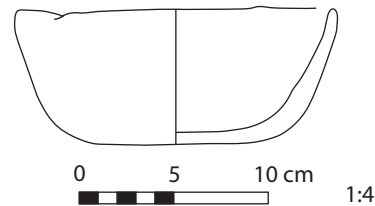
**Site:** Adaima  
**Shape:** plate with straight walls and flat base  
**Material:** AM1  
**Manufacture:** handmade  
**Surface:** red-coated, polished  
**Reference:** Buchez 2002: 197–199,  
Figure 2.2: 28 (1a1/2)  
**Dating:** beginning of Naqada II



### Naqada II 54

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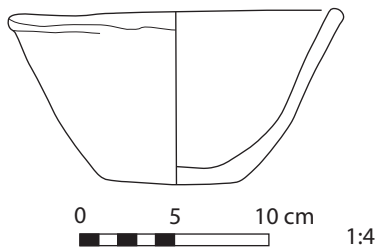
**Site:** Adaima  
**Shape:** bowl with straight walls and flat base  
**Material:** AV1  
**Manufacture:** handmade  
**Surface:** roughly smoothed  
**Reference:** Buchez 2002: 208,  
Figure 2.6: 103 (1a1/2)  
**Dating:** Naqada II



### Naqada II 55

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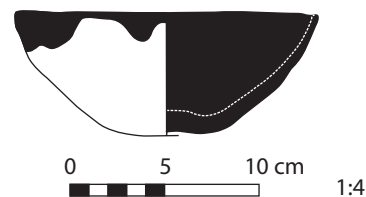
**Site:** Adaima  
**Shape:** bowl with straight walls and flat base  
**Material:** AM1  
**Manufacture:** handmade  
**Surface:** red-coated, polished inside  
**Reference:** Buchez 2002: 200–201,  
Figure 2.3: 48 (2a1/2)  
**Dating:** Naqada IIC



### Naqada II 56

---

**Site:** Adaima  
**Shape:** bowl with straight walls and flat base  
**Material:** AM1  
**Manufacture:** handmade  
**Surface:** red-coated, with black top  
**Reference:** Buchez 2002: 199–200,  
Figure 2.3: 56 (1a1/2)  
**Dating:** Naqada IIC



## Naqada II 57

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**Site:** Adaima

**Shape:** bowl with straight walls and incurved rim

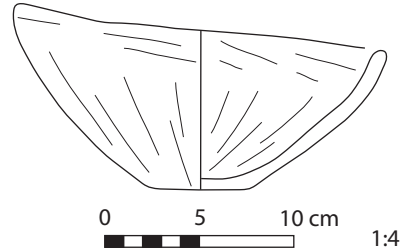
**Material:** AM1

**Manufacture:** handmade

**Surface:** red-coated, polished

**Reference:** Buchez 2002: 197–199, Figure 2.2: 18 (1a1/2)

**Dating:** beginning of Naqada II



## Naqada II 58

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**Site:** Adaima

**Shape:** bowl with straight walls and flat base

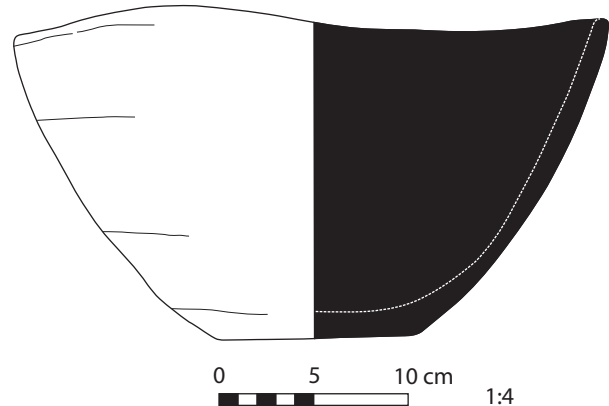
**Material:** AV2

**Manufacture:** handmade

**Surface:** polished

**Reference:** Buchez 2002: 217,  
Figure 2.10: 181 (1a1/2-01)

**Dating:** end of Naqada I–beginning of  
Naqada II



## Naqada II 59

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**Site:** Adaima

**Shape:** bowl with straight walls,  
incurved rim, and flat base

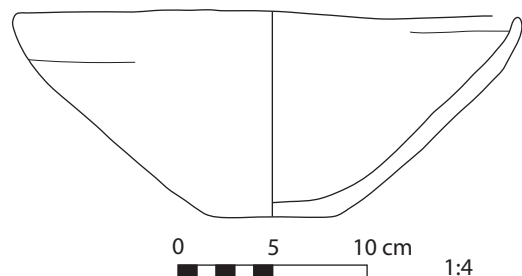
**Material:** C1

**Manufacture:** handmade

**Surface:** smoothed

**Reference:** Buchez 2002: 225–226,  
Figure 2.11: 200 (1a1/2)

**Dating:** Naqada II



## Naqada II 60

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**Site:** Adaima

**Shape:** bowl with straight walls and flat base

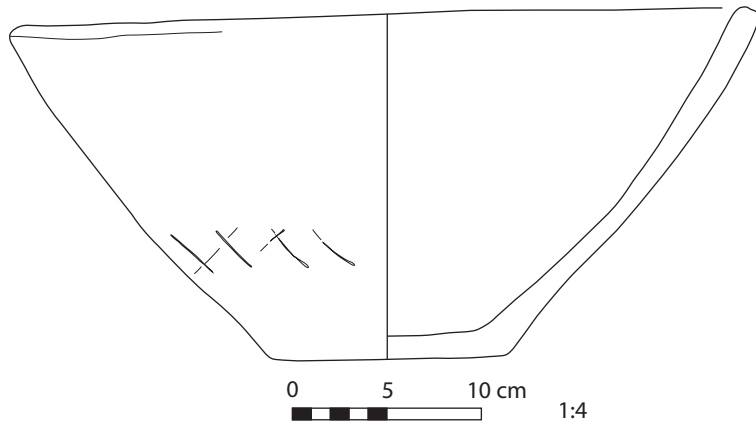
**Material:** AV1

**Manufacture:** handmade

**Surface:** roughly smoothed

**Reference:** Buchez 2002: 208, Figure 2.6: 101 (1a1/2)

**Dating:** Naqada II



## Naqada II 61

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**Site:** Adaima

**Shape:** shallow bowl with straight walls and flat base

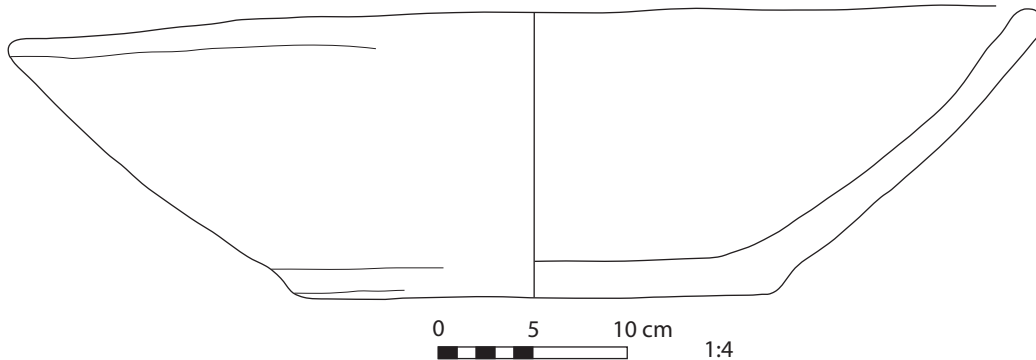
**Material:** AV1

**Manufacture:** handmade

**Surface:** roughly smoothed

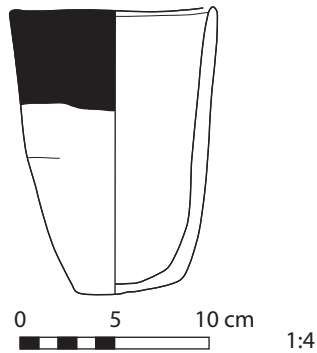
**Reference:** Buchez 2002: 208, Figure 2.6: 111 (1a1/2)

**Dating:** Naqada II



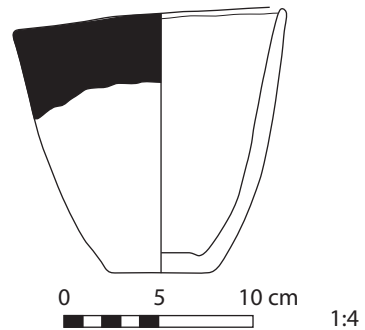
### Naqada II 62

**Site:** Adaima  
**Shape:** beaker with flat base  
**Material:** AM1  
**Manufacture:** handmade  
**Surface:** red-coated, with black top  
**Reference:** Buchez 2002: 199–200,  
Figure 2.3: 49 (2a1/2)  
**Dating:** Naqada IIC



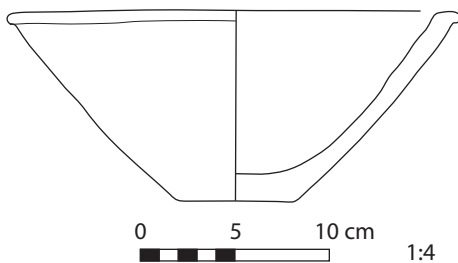
### Naqada II 63

**Site:** Adaima  
**Shape:** beaker with flat base  
**Material:** AM1  
**Manufacture:** handmade  
**Surface:** red-coated, with black top  
**Reference:** Buchez 2002: 199–200,  
Figure 2.3: 53 (2a1/2)  
**Dating:** Naqada IIC



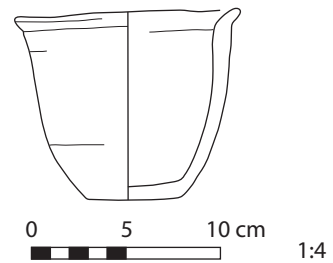
### Naqada II 64

**Site:** Adaima  
**Shape:** bowl with straight walls, recurved rim, and flat base  
**Material:** AM1  
**Manufacture:** handmade  
**Surface:** red-coated, polished  
**Reference:** Buchez 2002: 197–199,  
Figure 2.2: 29 (1b1/2)  
**Dating:** beginning of Naqada II



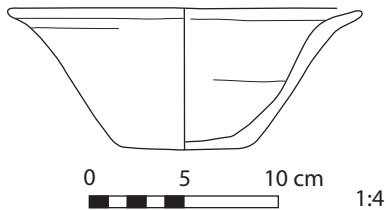
### Naqada II 65

**Site:** Adaima  
**Shape:** beaker with flat base  
**Material:** AM1  
**Manufacture:** handmade  
**Surface:** red-coated, polished  
**Reference:** Buchez 2002: 197–199,  
Figure 2.3: 38 (2a1-2/2)  
**Dating:** beginning of Naqada II



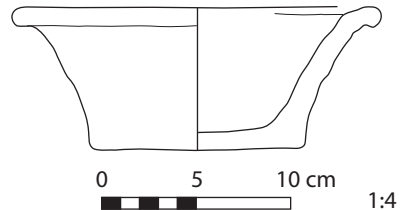
## Naqada II 66

**Site:** Adaima  
**Shape:** bowl with flaring walls and flat base  
**Material:** AM1  
**Manufacture:** handmade  
**Surface:** red-coated, polished  
**Reference:** Buchez 2002: 197–199,  
Figure 2.3: 39 (2a1-2/2)  
**Dating:** beginning of Naqada II



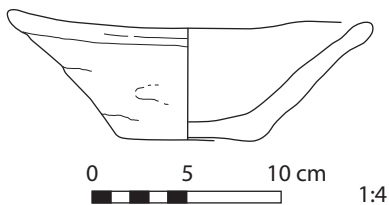
## Naqada II 67

**Site:** Adaima  
**Shape:** bowl with flaring walls and flat base  
**Material:** AV1  
**Manufacture:** handmade  
**Surface:** roughly smoothed  
**Reference:** Buchez 2002: 208,  
Figure 2.6: 114 (2b1/2)  
**Dating:** Naqada II



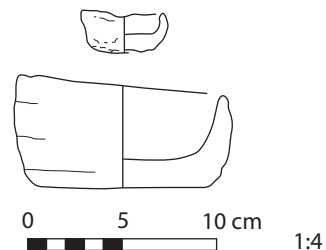
## Naqada II 68

**Site:** Adaima  
**Shape:** bowl with flaring walls and flat base  
**Material:** AV1  
**Manufacture:** handmade  
**Surface:** roughly smoothed  
**Reference:** Buchez 2002: 208,  
Figure 2.6: 124 (2a1/2)  
**Dating:** Naqada II



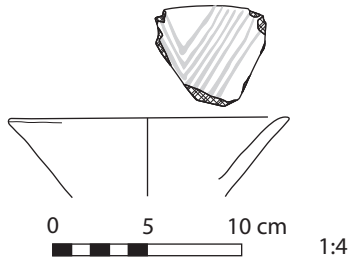
## Naqada II 69, 70

**Site:** Adaima  
**Shape:** small bowls with straight walls and flat bases  
**Material:** AV1  
**Manufacture:** handmade  
**Surface:** roughly smoothed  
**Reference:** Buchez 2002: 208,  
Figure 2.7: 140–141 (3a1/2)  
**Dating:** Naqada II



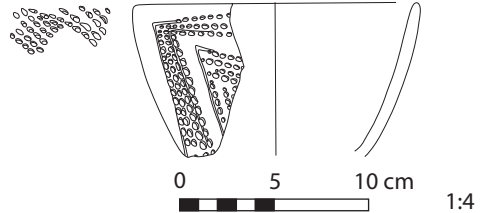
### Naqada II 71

**Site:** Adaima  
**Shape:** bowl with flaring walls  
**Material:** AM1  
**Manufacture:** handmade  
**Surface:** red-coated, polished, with white painted decoration  
**Reference:** Buchez 2002: 200, Figure 2.16: 1  
**Dating:** Naqada IIC



### Naqada II 72

**Site:** Adaima  
**Shape:** beaker with slightly incurved walls  
**Material:** AV3  
**Manufacture:** handmade  
**Surface:** red-coated, polished, with incised decoration  
**Reference:** Buchez 2002: 215, Figure 2.24: 7  
**Dating:** Naqada IIB





## Lower Egyptian Culture (Buto-Maadi)

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**3800–3200 B.C.**

### **Material**

Lower Egyptian vessels can be divided into two chronological phases based on their inclusions. Pots from the earlier Phase I, described as Chalcolithic, are made of clay without organic inclusions. Those from Phase II are always made of Nile silt tempered with organic particles. Marl pots imported from Upper Egypt are also present, but are rare.

For a key to clay type abbreviations, please see *Clay Descriptions*, pp. 21–23.

### **Manufacture**

Chalcolithic ceramics from Phase I were made with a rotating device that was probably of Palestinian influence. All the pots of Phase II are handmade. The bases of many vessels are made from round lumps of clay, while the walls from upright slabs are pinched and pressed together (Faltings 2002: 165, Figure 10.1).

### **Surface**

Buto-Maadi pots from Phase I are characterized by their well finished surfaces, often with applied decoration such as bands and knobs. Some vessels bear painted decoration with white horizontal bands.

The surface of Phase II vessels can be either smoothed or red/brown-coated and vertically/horizontally/diagonally burnished. Sometimes the pots are decorated with incised motifs (e.g., rocker-stamp decoration). Occasionally the pots bear applied knobs. The pots from Maadi can also be red-painted, but this is very rare. The paint is usually applied to a slipped surface. Sometimes the painted decoration appears on a smoothed face.

### **Types**

Buto-Maadi types vary in shape but the most common are bag-shaped jars with rounded bases and large storage jars with ovoid bodies and rounded or pointed bases. Also frequent are basins with slight carination and recurved rims, and hole-mouthed restricted vessels or bowls with direct, incurved, or flaring walls. In later phases of the culture some imitations of Upper Egyptian marl jars, made of Nile alluvial materials (especially the wavy-handled jars), can also be found.

For photos of ceramics representative of this period, see Color Plate 8.



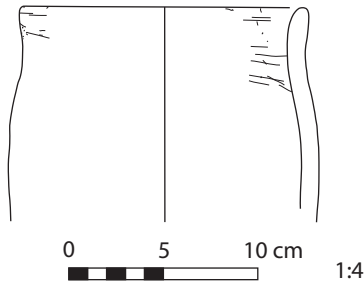
## Bibliography

- Ciałowicz, K. M. 1999. *Początki cywilizacji egipskiej*. Warszawa-Kraków: Wydawnictwo Naukowe PWN.
- Faltings, D. 2002. The Chronological Frame and Social Structure of Buto in the Fourth Millennium BC. In *Egypt and the Levant. Interrelations from the 4<sup>th</sup> through the Early 3<sup>rd</sup> Millennium B.C.*, edited by E. C. M. van den Brink and T. E. Levy, 165–170. London: Leicester University Press.
- Faltings, D., P. Ballet, F. Förster, P. French, C. Ihde, H. Sahlmann, J. Tomalsky, C. Thumshirn, and A. Wodzińska. 2000. Zweiter Vorbericht über die Arbeiten in Buto von 1996 bis 1999. *MDAIK* 56: 131–179, Plates 15–18.
- Faltings, D., and E. C. Köhler. 1996. Vorbericht über die Ausgrabungen des DAI in Tell el-Fara'in/Buto, 1993 bis 1995. *MDAIK* 52: 87–114.
- Köhler, E. C. 1998b. *Tell el-Fara'in Buto III. Die Keramik von der späten Naqada-Kultur bis zum frühen Alten Reich (Schichten III bis VI)*, AV 94. Mainz am Rhein: Philipp von Zabern.
- Mortensen, B. 1985. Four Jars from the Maadi Culture Found in Giza. *MDAIK* 41: 145–147.
- Rizkana, I., and J. Seeher. 1987. *Maadi I. The Pottery of the Predynastic Settlement*, AV 64. Mainz am Rhein: Philipp von Zabern.
- Way, T. von der. 1997. *Tell el-Fara'in, Buto I: Ergebnisse zum frühen Kontext, Kampagnen der Jahre 1983–1989*, AV 83. Mainz am Rhein: Philipp von Zabern.

### Lower Egyptian Culture 1

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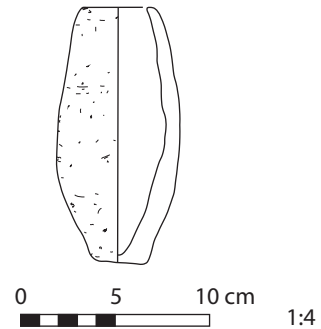
**Site:** Buto  
**Shape:** beaker with slightly recurved rim  
**Material:** NB2  
**Manufacture:** handmade  
**Surface:** smoothed  
**Reference:** von der Way 1997: 186, Plate 36: 5  
**Dating:** Phase I (Chalcolithic Period)



### Lower Egyptian Culture 2

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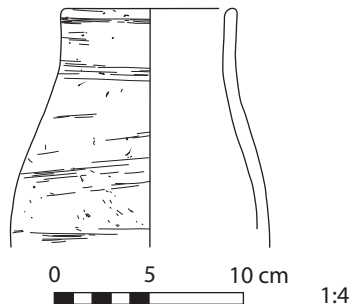
**Site:** Buto  
**Shape:** beaker with incurved rim and flat base  
**Material:** NB2  
**Manufacture:** handmade  
**Surface:** red-coated, vertically polished  
outside, roughly smoothed inside  
**Reference:** von der Way 1997: 186, Plate 36: 6  
**Dating:** Phase I (Chalcolithic Period)



### Lower Egyptian Culture 3

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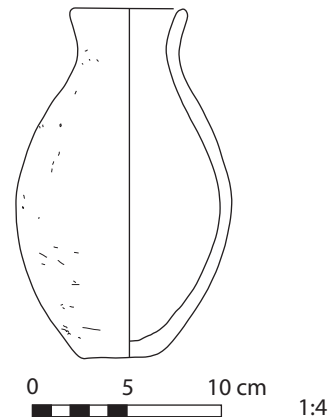
**Site:** Buto  
**Shape:** jar with cylindrical neck  
**Material:** NB2  
**Manufacture:** handmade  
**Surface:** smoothed  
**Reference:** von der Way 1997: 187, Plate 36: 11  
**Dating:** Phase I (Chalcolithic Period)



### Lower Egyptian Culture 4

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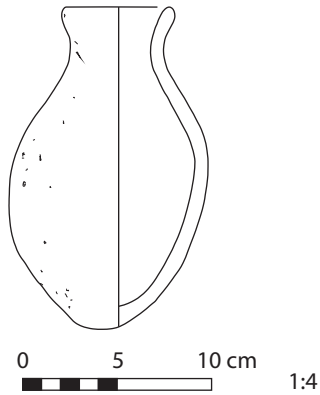
**Site:** Buto  
**Shape:** ovoid jar with flaring neck  
**Material:** NB1  
**Manufacture:** handmade  
**Surface:** red-coated, vertically polished  
**Reference:** von der Way 1997: 174, Plate 1: 10,  
Type G1a.2  
**Dating:** Phase I (Chalcolithic Period)-  
II (Naqada IIC-D1)



### Lower Egyptian Culture 5

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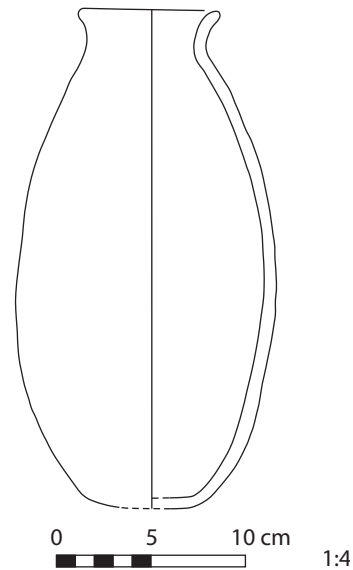
**Site:** Ezbet el-Qerdahi, near Buto  
**Shape:** ovoid jar with flaring neck  
**Material:** NB1  
**Manufacture:** handmade  
**Surface:** red-coated, vertically polished  
**Reference:** von der Way 1997: 174, Plate 1: 9,  
Type GIa.2  
**Dating:** not stated  
**Representative Example:** similar to  
Color Plate 8.1



### Lower Egyptian Culture 6

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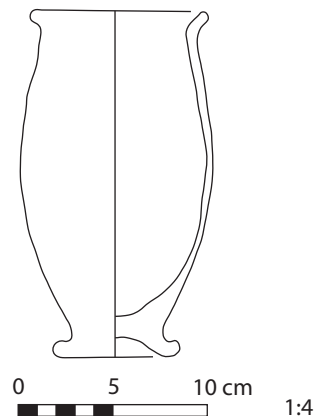
**Site:** Maadi  
**Shape:** elongated barrel-like jar with flat base, regular, flat base, and a short everted rim  
**Material:** 1a, black ware  
**Manufacture:** handmade  
**Surface:** well smoothed  
**Remarks:** hole in the base made after firing  
**Reference:** Rizkana and Seeher 1987: 36, 85,  
Plate 8: 6, Type 4a  
**Dating:** not stated



### Lower Egyptian Culture 7

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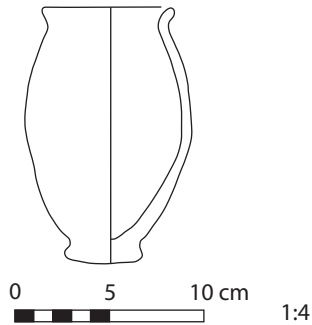
**Site:** Maadi  
**Shape:** jar on raised base  
**Material:** 1b, reddish-brown ware  
**Manufacture:** handmade, base and rim finished on a wheel  
**Surface:** smoothed  
**Reference:** Rizkana and Seeher 1987: 34, 83, Plate 2: 2, Type 1  
**Dating:** not stated



### Lower Egyptian Culture 8

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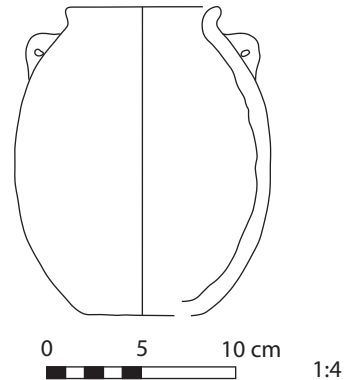
**Site:** Maadi  
**Shape:** jar on raised base  
**Material:** 1b, reddish-brown ware  
**Manufacture:** handmade  
**Surface:** dark red-slipped, smoothed  
**Reference:** Rizkana and Seeher 1987: 34, 84,  
Plate 3: 5, Type 1  
**Dating:** not stated



### Lower Egyptian Culture 9

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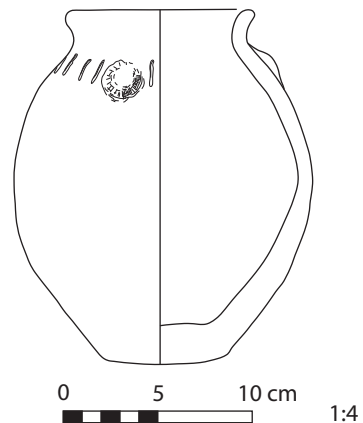
**Site:** Maadi  
**Shape:** globular jar with flat base and two lug handles on shoulder  
**Material:** II, red burnished ware  
**Manufacture:** handmade  
**Surface:** red-slipped, burnished  
**Reference:** Rizkana and Seeher 1987: 95,  
Plate 39: 9  
**Dating:** not stated



### Lower Egyptian Culture 10

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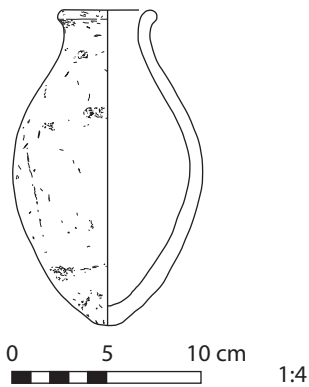
**Site:** Maadi  
**Shape:** globular jar with flat base  
**Material:** resembles II, red burnished ware  
**Manufacture:** handmade  
**Surface:** eroded, with incised decoration and a knob below rim  
**Reference:** Rizkana and Seeher 1987: 94, Plate 39: 2, Type 5a  
**Dating:** not stated



### Lower Egyptian Culture 11

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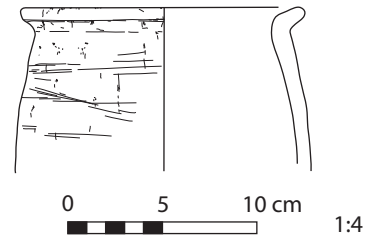
**Site:** Buto  
**Shape:** ovoid jar with flaring neck  
**Material:** NB2  
**Manufacture:** handmade  
**Surface:** smoothed  
**Reference:** von der Way 1997: 174, Plate 1: 11,  
Type G1a.2  
**Dating:** Phase II (Naqada IIC-D1)



### Lower Egyptian Culture 12

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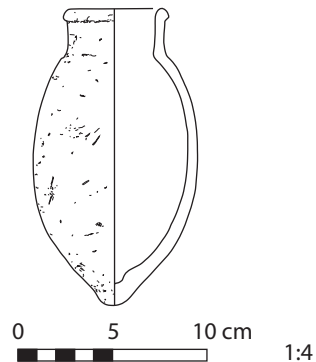
**Site:** Buto  
**Shape:** ovoid jar with recurved rim  
**Material:** NB2  
**Manufacture:** handmade  
**Surface:** smoothed  
**Reference:** von der Way 1997: 175, Plate 3: 2,  
Type G1b.4  
**Dating:** Phase II (Naqada IIC-D1)



### Lower Egyptian Culture 13

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**Site:** Buto  
**Shape:** ovoid jar with narrow cylinder neck  
**Material:** NB2  
**Manufacture:** handmade  
**Surface:** smoothed  
**Reference:** von der Way 1997: 174, Plate 1: 1, Type G1a.1  
**Dating:** Phase II (Naqada IIC-D1)



### Lower Egyptian Culture 14

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**Site:** Maadi

**Shape:** globular jar with rounded base

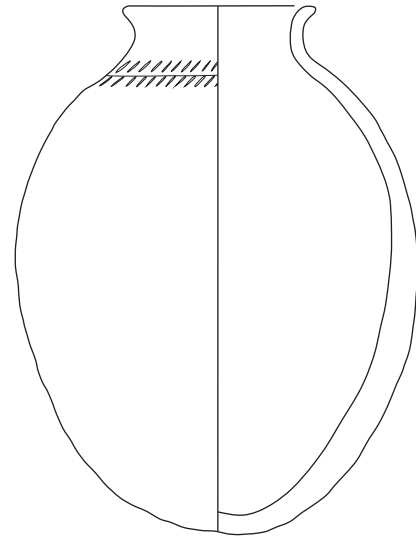
**Material:** 1b

**Manufacture:** handmade

**Surface:** well smoothed to slightly burnished, with incised decoration on neck

**Reference:** Rizkana and Seeher 1987: 95, Plate 39: 5

**Dating:** not stated



### Lower Egyptian Culture 15

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**Site:** Maadi

**Shape:** ovoid jar with pointed base

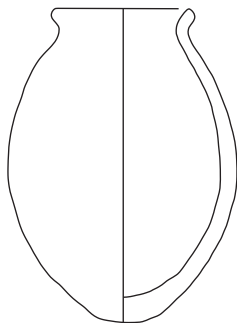
**Material:** 1a, black ware

**Manufacture:** handmade

**Surface:** well smoothed to slightly burnished

**Reference:** Rizkana and Seeher 1987: 36, 84, Plate 6: 8, Type 2

**Dating:** not stated



### Lower Egyptian Culture 16

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**Site:** Maadi

**Shape:** small globular jar

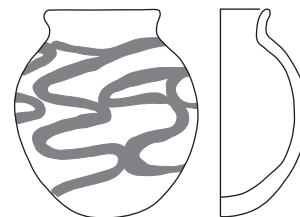
**Material:** II, red burnished ware

**Manufacture:** handmade

**Surface:** red-red/brown-slipped, burnished, with pale, red painted decoration outside

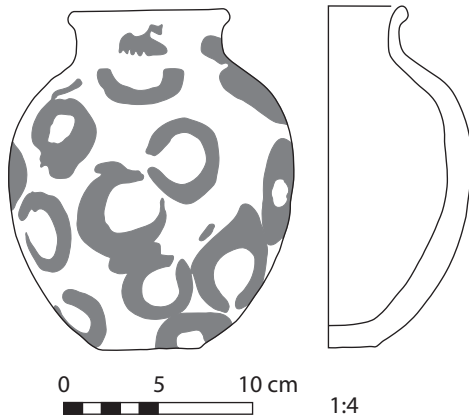
**Reference:** Rizkana and Seeher 1987: 96, Plate 42: 3, Type 5a

**Dating:** not stated



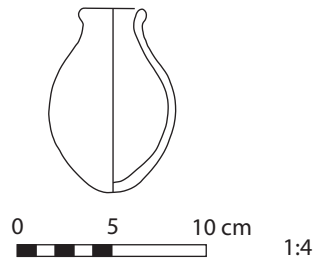
### Lower Egyptian Culture 17

**Site:** Maadi  
**Shape:** globular jar with flat base  
**Material:** III, yellowish washed ware  
**Manufacture:** handmade  
**Surface:** green/yellow-washed, well smoothed,  
 with red painted decoration outside  
**Reference:** Rizkana and Seeher 1987: 106,  
 Plate 67: 6, Type 5a  
**Dating:** not stated



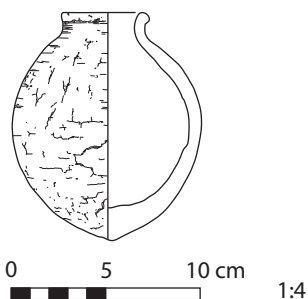
### Lower Egyptian Culture 18

**Site:** Maadi  
**Shape:** bottle-like ovoid jar  
**Material:** 1a, black ware  
**Manufacture:** handmade  
**Surface:** burnished  
**Reference:** Rizkana and Seeher 1987: 36, 85,  
 Plate 7: 3, Type 3a  
**Dating:** not stated



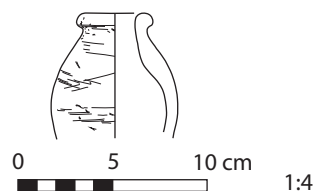
### Lower Egyptian Culture 19

**Site:** Buto  
**Shape:** ovoid jar with rounded rim  
**Material:** NB2  
**Manufacture:** handmade  
**Surface:** smoothed  
**Reference:** von der Way 1997: 175, Plate 3: 8,  
 Type G2a.1  
**Dating:** Phase II (Naqada IIC-D1)  
**Representative Example:** similar to  
 Color Plate 8.2 and 8.3



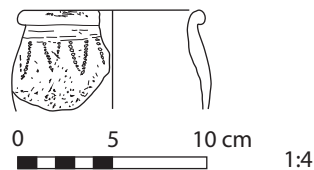
### Lower Egyptian Culture 20

**Site:** Buto  
**Shape:** ovoid jar with rounded rim  
**Material:** NB1  
**Manufacture:** handmade  
**Surface:** smoothed  
**Reference:** von der Way 1997: 175, Plate 3: 6,  
 Type G2a.1  
**Dating:** Phase II (Naqada IIC-D1)-III  
**Representative Example:** similar to  
 Color Plate 8.2 and 8.3



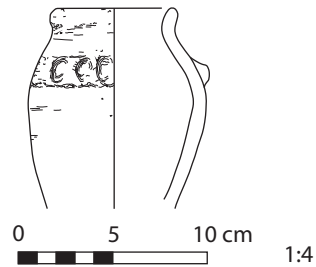
### Lower Egyptian Culture 21

**Site:** Buto  
**Shape:** ovoid jar with rounded rim  
**Material:** NB1  
**Manufacture:** handmade  
**Surface:** smoothed, with incised decoration  
**Reference:** von der Way 1997: 175, Plate 3: 13,  
 Type G2a.2  
**Dating:** Phase I (Chalcolithic Period)



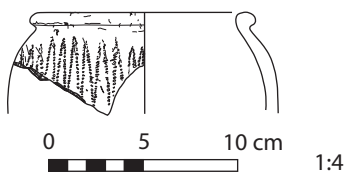
### Lower Egyptian Culture 22

**Site:** Buto  
**Shape:** ovoid jar with flaring rim and wavy handles  
**Material:** NB2  
**Manufacture:** handmade  
**Surface:** smoothed  
**Remarks:** imitation of Upper Egyptian marl jar  
**Reference:** von der Way 1997: 176, Plate 4: 7,  
 Type G2a.3  
**Dating:** Phase II (Naqada IIC-D1)-  
 III (Naqada IID2-III B2)



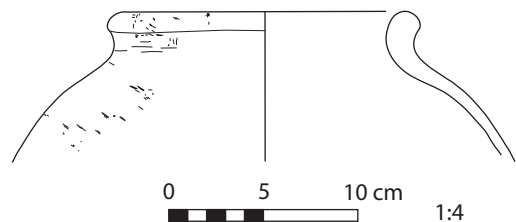
### Lower Egyptian Culture 23

**Site:** Buto  
**Shape:** ovoid jar with rounded rim  
**Material:** NB2  
**Manufacture:** handmade  
**Surface:** smoothed, with incised decoration  
**Reference:** von der Way 1997: 177, Plate 5: 6,  
 Type G2a.4  
**Dating:** Phase II (Naqada IIC-D1)-  
 IIIa (Naqada IID2)



### Lower Egyptian Culture 24

**Site:** Buto  
**Shape:** ovoid jar with thickened, rounded rim  
**Material:** NB2  
**Manufacture:** handmade  
**Surface:** red-coated, horizontally polished  
**Reference:** von der Way 1997: 177, Plate 5: 11,  
 Type G2a.5  
**Dating:** Phase II (Naqada IIC-D1)





## Lower Egyptian Culture 25

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**Site:** Maadi

**Shape:** ovoid jar with flaring rim and pointed base

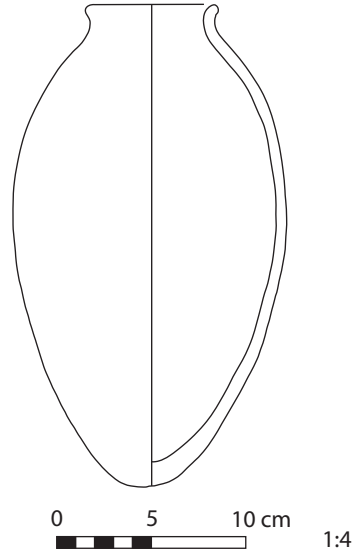
**Material:** 1a, black ware

**Manufacture:** handmade

**Surface:** eroded

**Reference:** Rizkana and Seeher 1987: 36, 84, Plate 6: 6, Type 2

**Dating:** not stated



## Lower Egyptian Culture 26

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**Site:** Buto

**Shape:** large ovoid jar with small, rounded rim and short neck

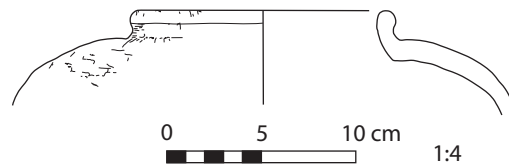
**Material:** NB2

**Manufacture:** handmade

**Surface:** red-coated, horizontally polished

**Reference:** von der Way 1997: 177, Plate 6: 3, Type G2a.6

**Dating:** Phase II (Naqada IIC-D1)



### Lower Egyptian Culture 27

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**Site:** Buto

**Shape:** large ovoid jar with rounded rim and short neck

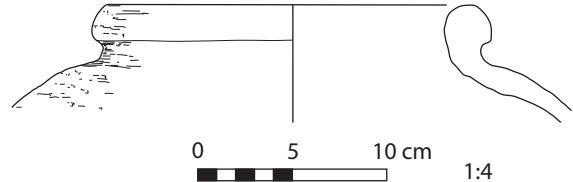
**Material:** NB2

**Manufacture:** handmade

**Surface:** red-coated, horizontally and vertically polished

**Reference:** von der Way 1997: 177, Plate 6: 4, Type G2a.6

**Dating:** Phase II (Naqada IIC–D1)



### Lower Egyptian Culture 28

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**Site:** Buto

**Shape:** large ovoid jar with flaring rim

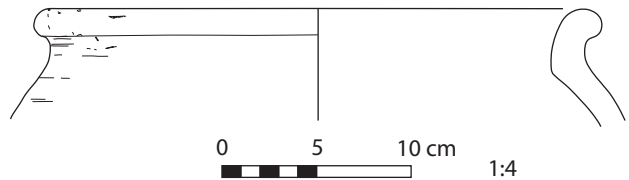
**Material:** NB2

**Manufacture:** handmade

**Surface:** red-coated, horizontally polished

**Reference:** von der Way 1997: 177, Plate 6: 5, Type G2a.6

**Dating:** Phase I (Chalcolithic Period)–II (Naqada IIC–D1)



### Lower Egyptian Culture 29

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**Site:** Buto

**Shape:** ovoid jar with flaring rim

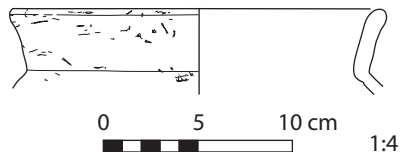
**Material:** NB (?)

**Manufacture:** handmade

**Surface:** red-coated, horizontally polished

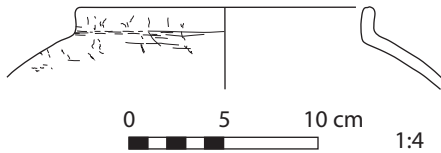
**Reference:** von der Way 1997: 177, Plate 7: 5, Type G2b.3

**Dating:** Phase I (Chalcolithic Period)



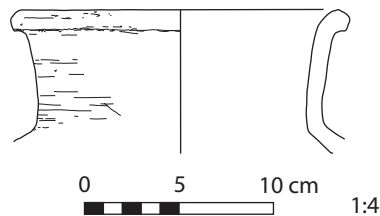
### Lower Egyptian Culture 30

**Site:** Buto  
**Shape:** ovoid jar with straight rim  
**Material:** NB1  
**Manufacture:** handmade  
**Surface:** red-coated, horizontally polished  
**Reference:** von der Way 1997: 177, Plate 7: 6,  
 Type G2b.3  
**Dating:** Phase II (Naqada IIC–D1)



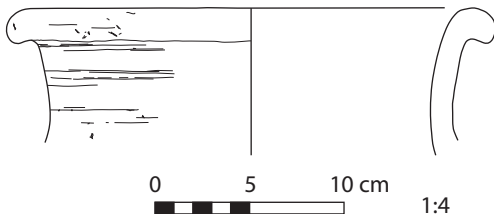
### Lower Egyptian Culture 31

**Site:** Buto  
**Shape:** ovoid jar with flaring neck and  
 recurved rim  
**Material:** NB1  
**Manufacture:** handmade  
**Surface:** red-coated, horizontally polished  
**Reference:** von der Way 1997: 178, Plate 9: 8,  
 Type G3a.2  
**Dating:** Phase I (Chalcolithic Period)–  
 II (Naqada IIC–D1)



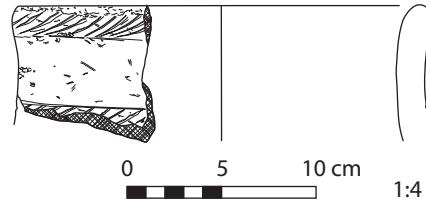
### Lower Egyptian Culture 32

**Site:** Buto  
**Shape:** ovoid jar with flaring neck and  
 recurved rim  
**Material:** NB2  
**Manufacture:** handmade  
**Surface:** red-coated, horizontally polished  
**Reference:** von der Way 1997: 178, Plate 10: 4,  
 Type G3a.3  
**Dating:** Phase II (Naqada IIC–D1)



### Lower Egyptian Culture 33

**Site:** Buto  
**Shape:** jar with vertical neck  
**Material:** NB2  
**Manufacture:** handmade  
**Surface:** red-coated, horizontally polished  
**Reference:** von der Way 1997: 178, Plate 10: 6,  
 Type G3b  
**Dating:** Phase II (Naqada IIC–D1)



### Lower Egyptian Culture 34

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**Site:** Buto

**Shape:** ovoid jar with flaring neck and recurved rim

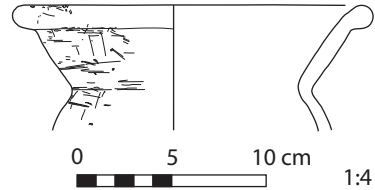
**Material:** NB2

**Manufacture:** handmade

**Surface:** red-coated, horizontally polished

**Reference:** von der Way 1997: 178, Plate 11: 4, Type G3c.2

**Dating:** Phase Ia (Chalcolithic Period)



### Lower Egyptian Culture 35

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**Site:** Buto

**Shape:** ovoid jar with flaring neck and recurved rim

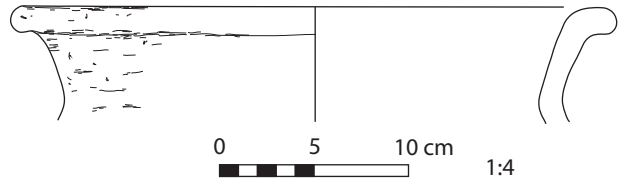
**Material:** NC

**Manufacture:** handmade

**Surface:** smoothed

**Reference:** von der Way 1997: 178, Plate 11: 7, Type G3c.2

**Dating:** Phase Ib (Chalcolithic Period)



### Lower Egyptian Culture 36

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**Site:** Buto

**Shape:** large ovoid vessel with rolled rim

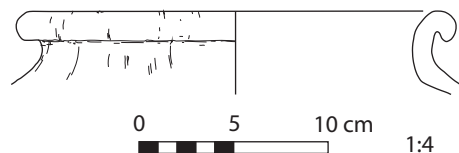
**Material:** NB1

**Manufacture:** handmade

**Surface:** red-coated, polished

**Reference:** von der Way 1997: 179, Plate 13: 4, Type G3e

**Dating:** Phase II (Naqada IIC-D1)



## Lower Egyptian Culture 37

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**Site:** Buto

**Shape:** large ovoid vessel with rolled rim

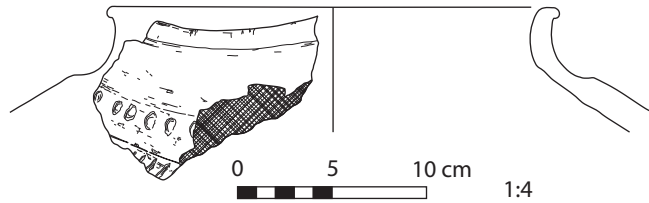
**Material:** NB1

**Manufacture:** handmade

**Surface:** red-coated, horizontally polished

**Reference:** von der Way 1997: 179, Plate 13: 6, Type G3e

**Dating:** Phase II (Naqada IIC–DI)



## Lower Egyptian Culture 38

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**Site:** Buto

**Shape:** ovoid jar with flaring neck and recurved rim

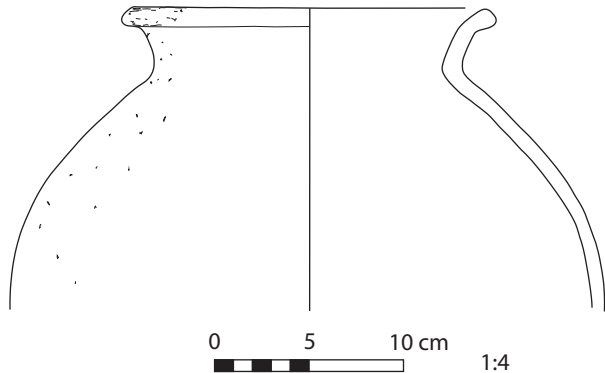
**Material:** NB2

**Manufacture:** handmade

**Surface:** red-coated, horizontally and vertically polished

**Reference:** von der Way 1997: 179, Plate 15: 2, Type G3c.2

**Dating:** Phase I (Chalcolithic Period)



### Lower Egyptian Culture 39

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**Site:** Buto

**Shape:** large ovoid vessel with rolled rim

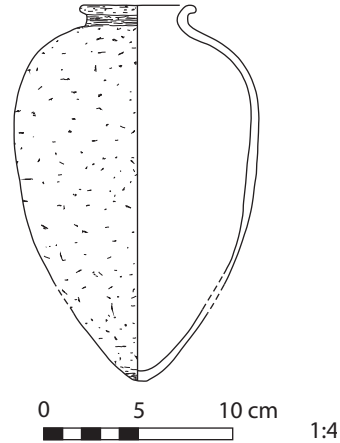
**Material:** NB2

**Manufacture:** handmade

**Surface:** smoothed

**Reference:** von der Way 1997: 180, Plate 18: 1, Type G3e

**Dating:** Phase II (Naqada IIC-D1)



### Lower Egyptian Culture 40

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**Site:** Buto

**Shape:** ovoid jar with recurved rim

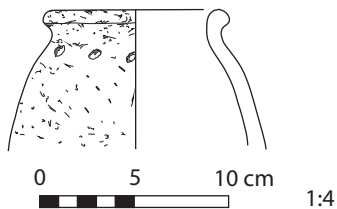
**Material:** NB1

**Manufacture:** handmade

**Surface:** polished outside, roughly smoothed inside

**Reference:** von der Way 1997: 187, Plate 38: 5, Type G2a.4

**Dating:** Phase II (Naqada IIC-D1)



### Lower Egyptian Culture 41

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**Site:** Buto

**Shape:** jar with incurved rim

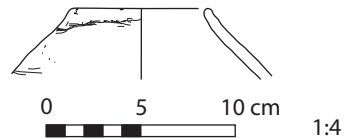
**Material:** NB (?)

**Manufacture:** handmade

**Surface:** red-coated, horizontally polished

**Reference:** von der Way 1997: 179, Plate 14: 6, Type G5

**Dating:** Phase Ia (Chalcolithic Period)



## Lower Egyptian Culture 42

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**Site:** Maadi

**Shape:** large jar with flat base

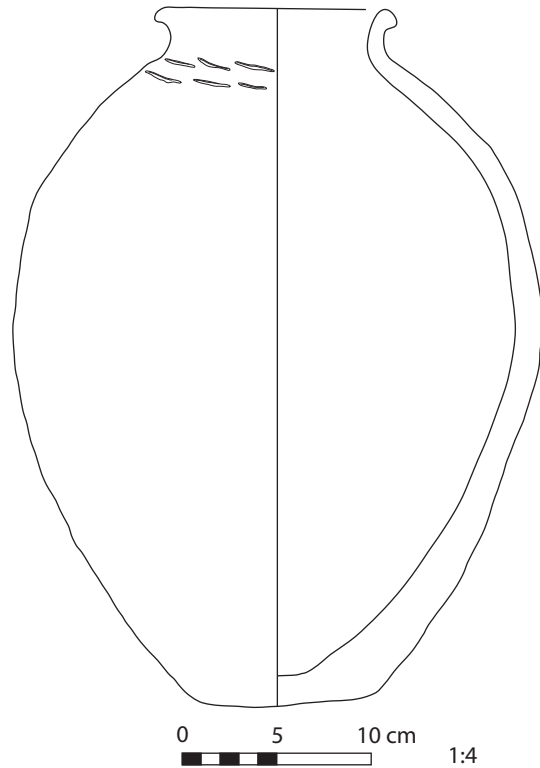
**Material:** 1b/II, reddish-brown ware

**Manufacture:** handmade

**Surface:** eroded, with two rows of incised strokes

**Reference:** Rizkana and Seeher 1987: 94, Plate 38: 1, Type 5c

**Dating:** not stated



## Lower Egyptian Culture 43

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**Site:** Maadi

**Shape:** large globular storage jar with narrow flat base and recurved rim

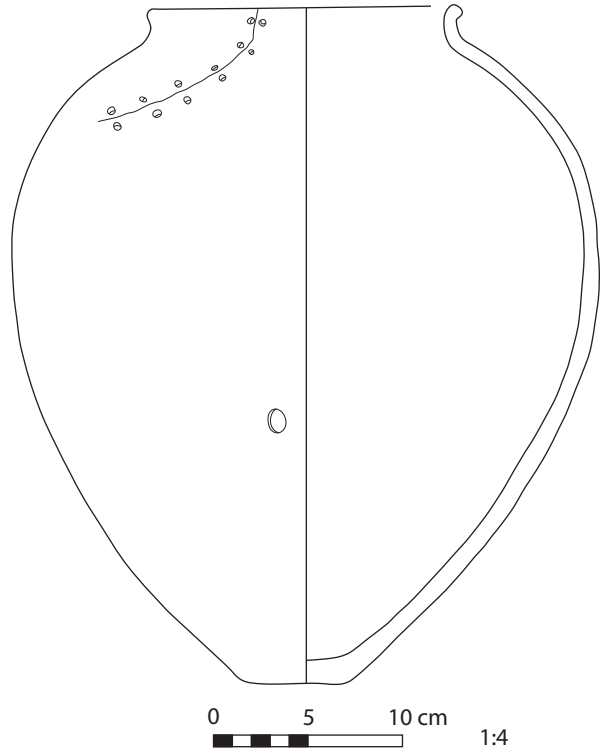
**Material:** 1b, reddish-brown ware

**Manufacture:** handmade

**Surface:** red-slipped, well smoothed

**Reference:** Rizkana and Seeher 1987: 37-38, 91, Plate 29: 7, Type 6b

**Dating:** not stated





## Lower Egyptian Culture 44

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**Site:** Maadi

**Shape:** large storage jar with wide flat base, relatively straight vertical walls, and a wide mouth

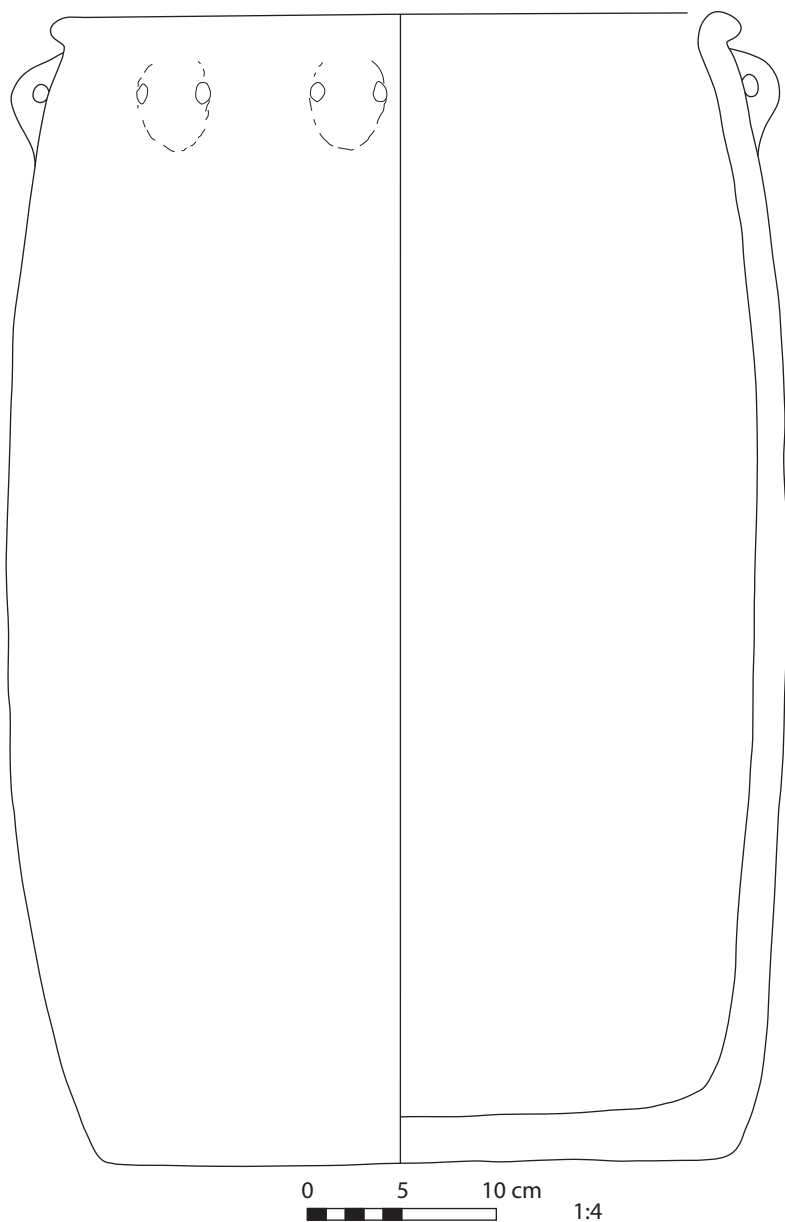
**Material:** 1b, reddish-brown ware

**Manufacture:** handmade

**Surface:** red-slipped, well smoothed

**Reference:** Rizkana and Seeher 1987: 38, 91, Plate 31: 3, Type 7

**Dating:** not stated



## Lower Egyptian Culture 45

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**Site:** Maadi

**Shape:** large storage jar with wide flat base, relatively straight vertical walls, and a wide mouth, here also with a lid

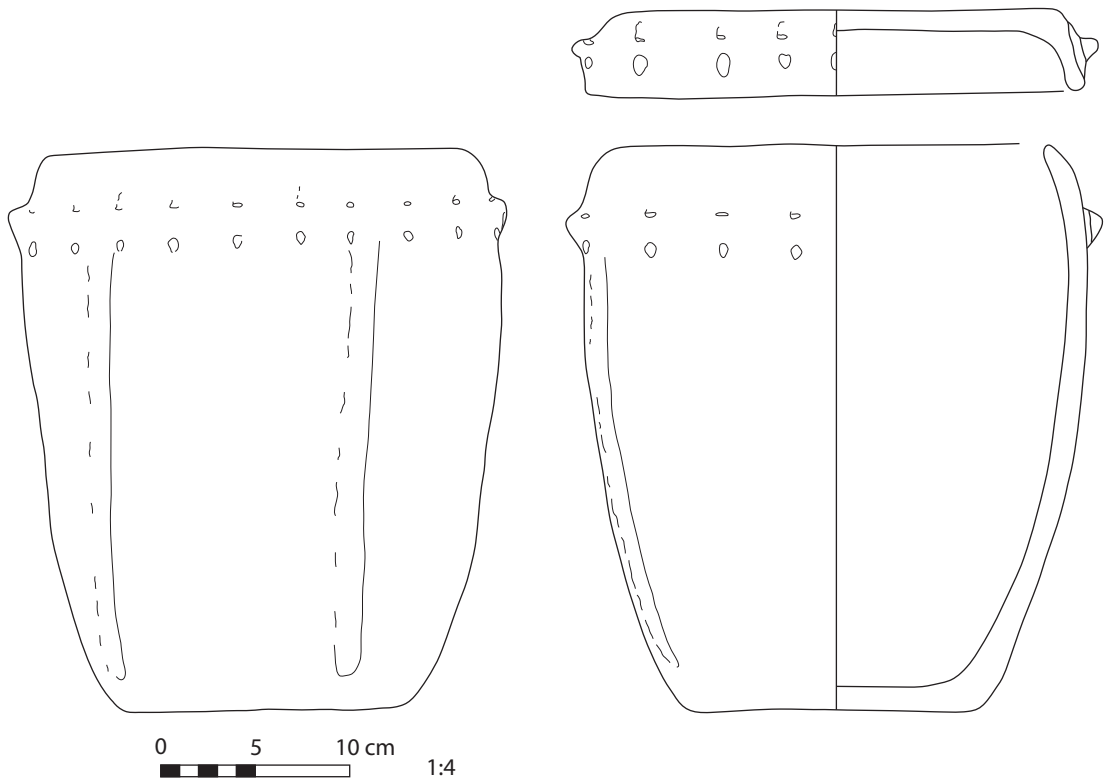
**Material:** lb, reddish-brown ware

**Manufacture:** handmade

**Surface:** light red-slipped, well smoothed, with a horizontal ridge with numerous vertical piercings below the rim and on the matching lid

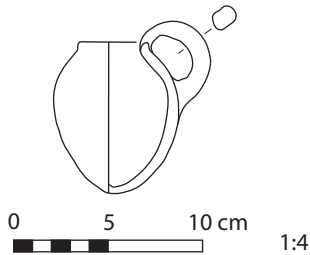
**Reference:** Rizkana and Seeher 1987: 38, 91, Plate 31: 2, Type 7

**Dating:** not stated



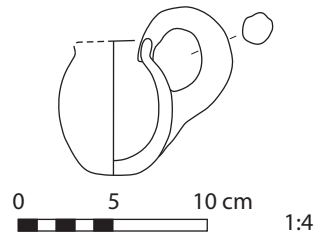
### Lower Egyptian Culture 46

**Site:** Maadi  
**Shape:** cup-like jar with loop-handle  
**Material:** 1a, black ware  
**Manufacture:** handmade  
**Surface:** well smoothed  
**Reference:** Rizkana and Seeher 1987: 91, Plate 32: 1  
**Dating:** not stated



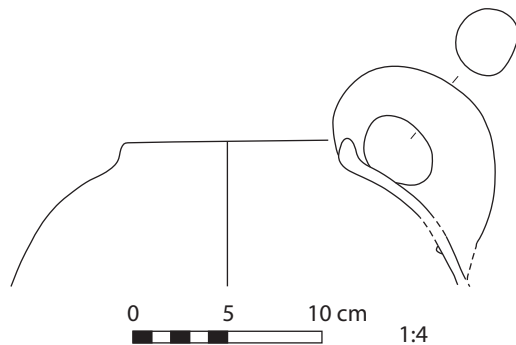
### Lower Egyptian Culture 47

**Site:** Maadi  
**Shape:** cup-like jar with loop-handle  
**Material:** 1a, black ware  
**Manufacture:** handmade  
**Surface:** slightly burnished  
**Reference:** Rizkana and Seeher 1987: 91, Plate 32: 3  
**Dating:** not stated



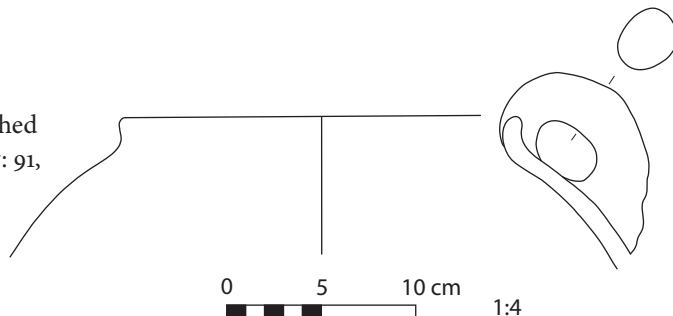
### Lower Egyptian Culture 48

**Site:** Maadi  
**Shape:** large jar with loop-handle  
**Material:** 1a/b, black/reddish-brown ware  
**Manufacture:** handmade  
**Surface:** smoothed  
**Reference:** Rizkana and Seeher 1987: 91, Plate 32: 7  
**Dating:** not stated



### Lower Egyptian Culture 49

**Site:** Maadi  
**Shape:** large jar with loop-handle  
**Material:** 1b, reddish-brown ware  
**Manufacture:** handmade  
**Surface:** brown-slipped, well smoothed  
**Reference:** Rizkana and Seeher 1987: 91, Plate 32: 8  
**Dating:** not stated



### Lower Egyptian Culture 50

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**Site:** Maadi

**Shape:** jar with knob-like base and vertically pierced lugs

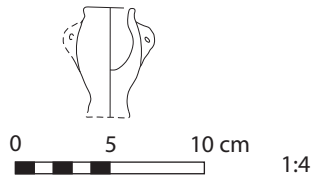
**Material:** 1a, black ware

**Manufacture:** handmade

**Surface:** well smoothed to slightly burnished

**Reference:** Rizkana and Seeher 1987: 92, Plate 33: 4

**Dating:** not stated



### Lower Egyptian Culture 51

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**Site:** Buto

**Shape:** ovoid jar with small rim

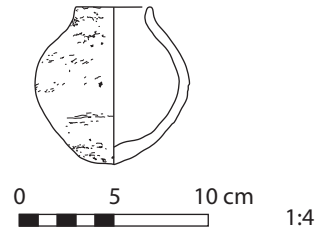
**Material:** NB1

**Manufacture:** handmade

**Surface:** smoothed

**Reference:** von der Way 1997: 177, Plate 6: 6, Type G2b.1

**Dating:** Phase I (Chalcolithic Period)-II (Naqada IIC-D1)



### Lower Egyptian Culture 52

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**Site:** Buto

**Shape:** miniature vessel

**Material:** NB1

**Manufacture:** handmade

**Surface:** smoothed

**Reference:** von der Way 1997: 187, Plate 38: 4

**Dating:** Phase IIIa (Naqada IID2)



### Lower Egyptian Culture 53

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**Site:** Buto

**Shape:** miniature vessel

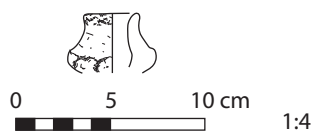
**Material:** NB2

**Manufacture:** handmade

**Surface:** smoothed

**Reference:** von der Way 1997: 187, Plate 38: 6

**Dating:** Phase IIb (Naqada IIC-D1)



### Lower Egyptian Culture 54

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**Site:** Maadi

**Shape:** small globular jar with ring base and vertical lugs

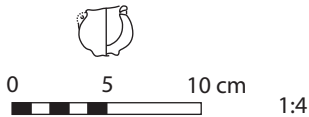
**Material:** 1a, black ware

**Manufacture:** handmade

**Surface:** well smoothed, with decoration consisting of two horizontal and four vertical lines of small, impressed dots

**Reference:** Rizkana and Seeher 1987: 92, Plate 33: 5

**Dating:** not stated



### Lower Egyptian Culture 55

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**Site:** Maadi

**Shape:** miniature jar

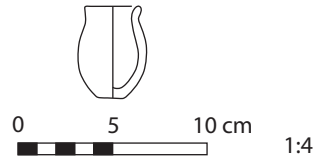
**Material:** 11, red burnished ware

**Manufacture:** handmade

**Surface:** red-slipped, burnished

**Reference:** Rizkana and Seeher 1987: 92, Plate 33: 16

**Dating:** not stated



### Lower Egyptian Culture 56

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**Site:** Maadi

**Shape:** small double jar

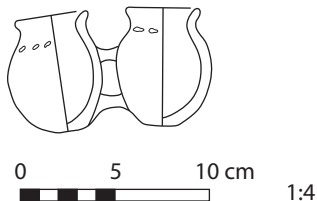
**Material:** 1a, black ware

**Manufacture:** handmade

**Surface:** burnished, with row of impressed dots around the neck

**Reference:** Rizkana and Seeher 1987: 92, Plate 33: 26

**Dating:** not stated



### Lower Egyptian Culture 57

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**Site:** Maadi

**Shape:** small double jar

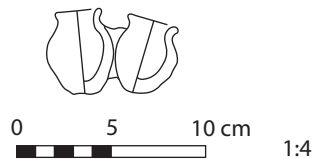
**Material:** 1b, reddish-brown ware

**Manufacture:** handmade

**Surface:** well smoothed

**Reference:** Rizkana and Seeher 1987: 92, Plate 33: 25

**Dating:** not stated



### Lower Egyptian Culture 58

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**Site:** Buto

**Shape:** large vessel with incurved walls

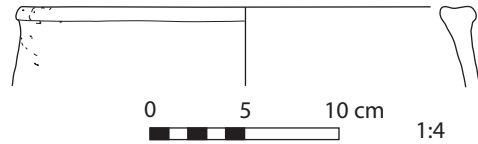
**Material:** NB2

**Manufacture:** handmade

**Surface:** red-coated, horizontally and vertically polished

**Reference:** von der Way 1997: 179, Plate 14: 2, Type G4

**Dating:** Phase Ib (Chalcolithic Period)



### Lower Egyptian Culture 59

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**Site:** Buto

**Shape:** large vessel with incurved walls

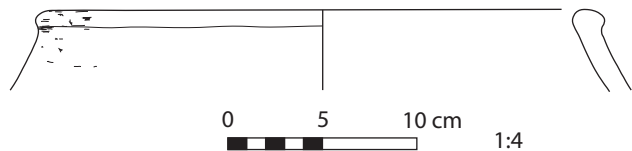
**Material:** NB1

**Manufacture:** handmade

**Surface:** red-coated, horizontally and vertically polished

**Reference:** von der Way 1997: 179, Plate 14: 3, Type G4

**Dating:** Phase Ib (Chalcolithic Period)



### Lower Egyptian Culture 60

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**Site:** Buto

**Shape:** large bowl with thick straight walls

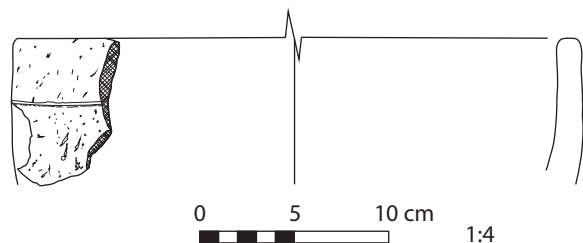
**Material:** NC

**Manufacture:** handmade

**Surface:** roughly smoothed

**Reference:** von der Way 1997: 179, Plate 14: 7, Type O4b

**Dating:** Phase Ib (Chalcolithic Period)



## Lower Egyptian Culture 61

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**Site:** Buto

**Shape:** large bowl with thick straight walls

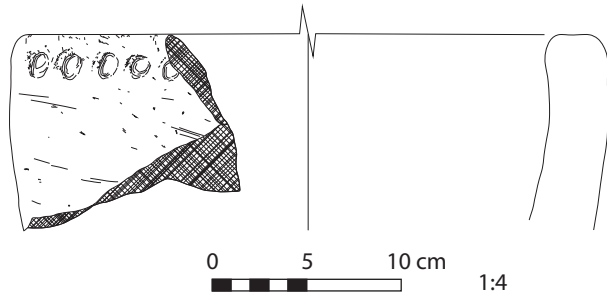
**Material:** NC

**Manufacture:** handmade

**Surface:** smoothed, with incised decoration

**Reference:** von der Way 1997: Plate 14: 8, Type 4b

**Dating:** Phase Ib (Chalcolithic Period)



## Lower Egyptian Culture 62

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**Site:** Buto

**Shape:** large bowl with thick incurved walls

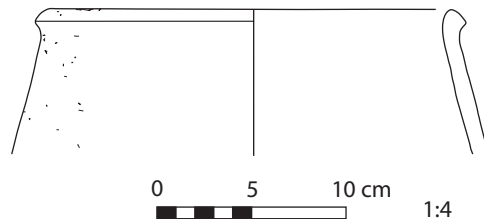
**Material:** NC

**Manufacture:** handmade

**Surface:** red-coated, horizontally and vertically polished

**Reference:** von der Way 1997: 179, Plate 15: 3, Type G4

**Dating:** Phase Ia (Chalcolithic Period)



## Lower Egyptian Culture 63

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**Site:** Ezbet el-Qerdahi

**Shape:** vessel with incurved walls and recurved rim

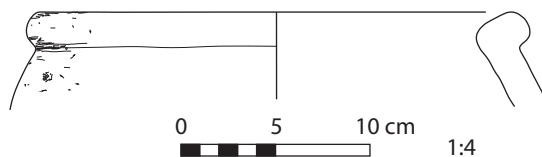
**Material:** NC

**Manufacture:** handmade

**Surface:** red-coated, polished

**Reference:** von der Way 1997: 179, Plate 16: 3,  
Type G6a

**Dating:** not stated



## Lower Egyptian Culture 64

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**Site:** Buto

**Shape:** vessel with carinated walls and recurved rim

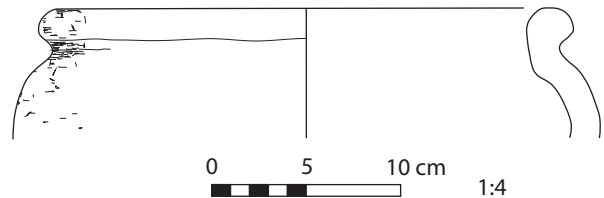
**Material:** NC

**Manufacture:** handmade

**Surface:** smoothed

**Reference:** von der Way 1997: 179, Plate 16: 6, Type G6b

**Dating:** Phase Ib (Chalcolithic Period)



## Lower Egyptian Culture 65

---

**Site:** Buto

**Shape:** vessel with carinated walls and recurved rim

**Material:** NC

**Manufacture:** handmade

**Surface:** white-coated inside, with incised decoration

**Reference:** von der Way 1997: 180, Plate 17: 3, Type G6b

**Dating:** Phase Ib (Chalcolithic Period)–II





## Lower Egyptian Culture 66

---

**Site:** Buto

**Shape:** vessel with carinated walls and recurved rim

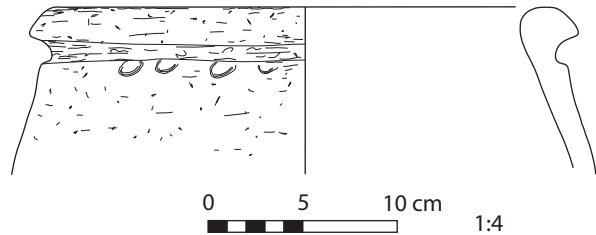
**Material:** NC

**Manufacture:** handmade

**Surface:** red-coated, polished

**Reference:** von der Way 1997: 180, Plate 17: 4, Type G6b

**Dating:** Phase Ia (Chalcolithic Period)



## Lower Egyptian Culture 67

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**Site:** Buto

**Shape:** vessel with carinated walls and recurved rim

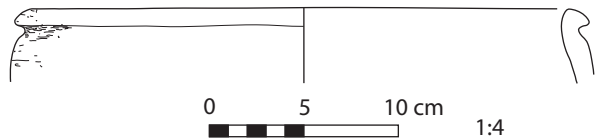
**Material:** NC

**Manufacture:** handmade

**Surface:** smoothed

**Reference:** von der Way 1997: 180, Plate 18: 7, Type G6b

**Dating:** Phase I (Chalcolithic Period)



## Lower Egyptian Culture 68

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**Site:** Maadi

**Shape:** large basin

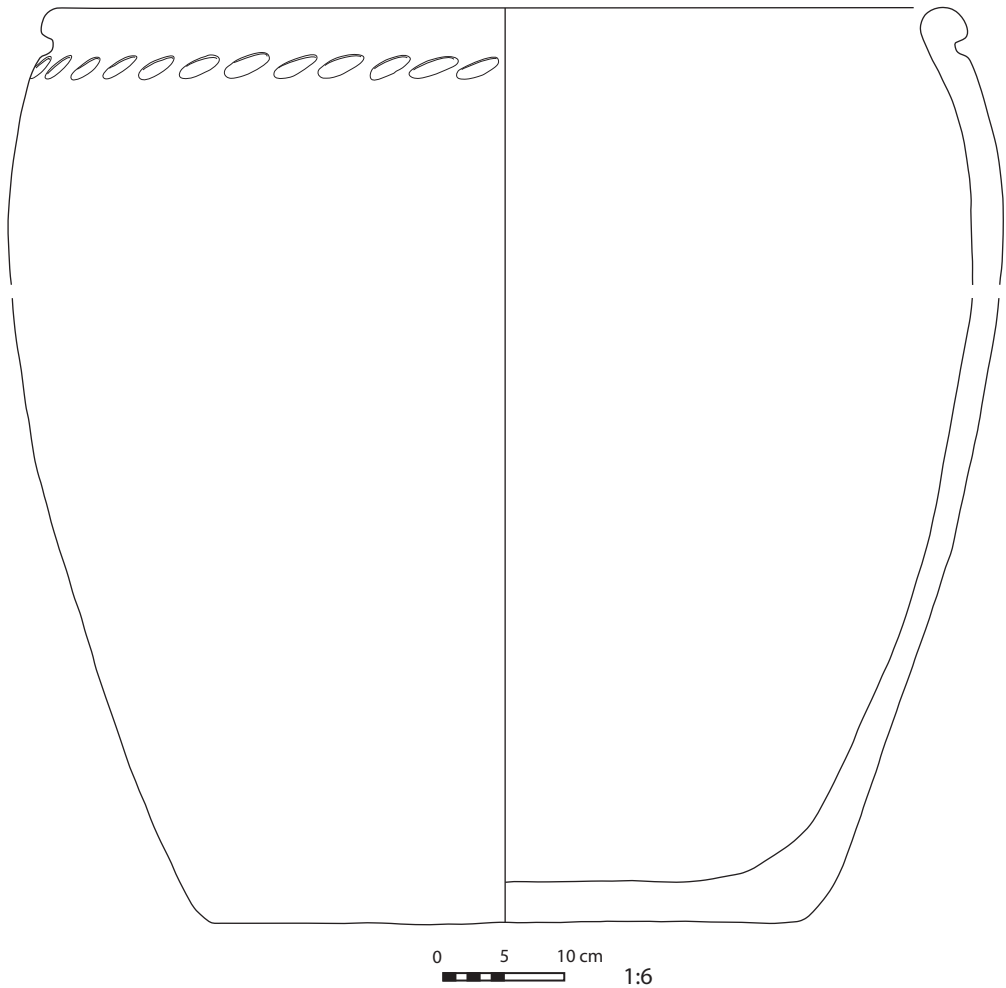
**Material:** ib

**Manufacture:** handmade

**Surface:** well smoothed, with incised decoration

**Reference:** Rizkana and Seeher 1987: 103, Plate 59: 5

**Dating:** not stated



## Lower Egyptian Culture 69

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**Site:** Buto

**Shape:** vessel with carinated walls and recurved rim

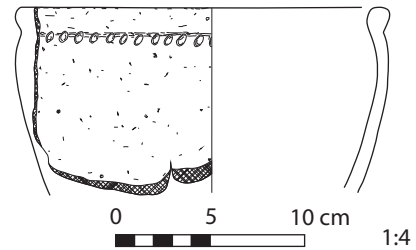
**Material:** NC

**Manufacture:** handmade

**Surface:** red-coated and polished inside, outside roughly smoothed with incised decoration

**Reference:** von der Way 1997: 180, Plate 18: 2, Type G6b

**Dating:** Phase I (Chalcolithic Period)



## Lower Egyptian Culture 70

---

**Site:** Maadi

**Shape:** basin with flat base and recurved rim

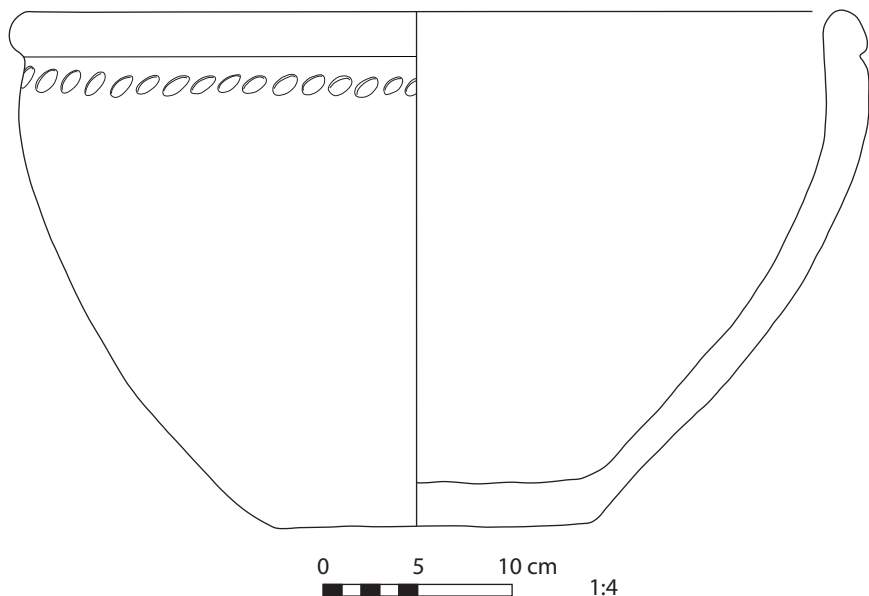
**Material:** 1b

**Manufacture:** handmade

**Surface:** red-slipped, slightly burnished, with a row of impressed dots

**Reference:** Rizkana and Seeher 1987: 103, Plate 57: 2, Type 3

**Dating:** not stated



## Lower Egyptian Culture 71

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**Site:** Maadi

**Shape:** bowl with spout

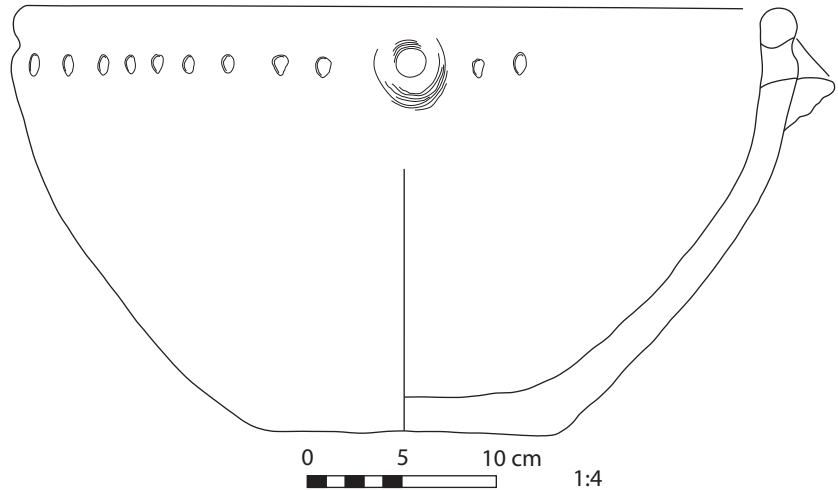
**Material:** 1b

**Manufacture:** handmade

**Surface:** light red-slipped, well burnished, with a row of impressed dots below rim

**Reference:** Rizkana and Seeher 1987: 103, Plate 58: 1, Type 3

**Dating:** not stated



## Lower Egyptian Culture 72

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**Site:** Buto

**Shape:** large bowl with slightly flaring walls and rounded rim

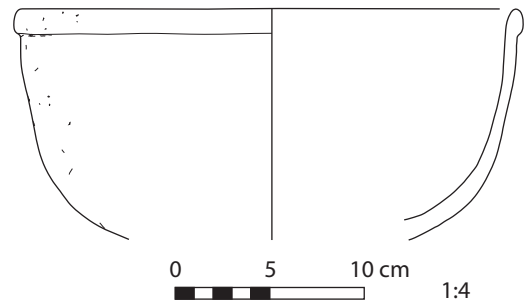
**Material:** NB-NC

**Manufacture:** handmade

**Surface:** smoothed

**Reference:** von der Way 1997: 180, Plate 19: 2, Type O4a

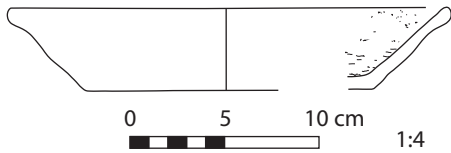
**Dating:** Phase II (Naqada IIC-D1)



### Lower Egyptian Culture 73

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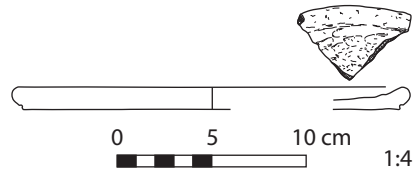
**Site:** Buto  
**Shape:** tray with flaring walls  
**Material:** NC  
**Manufacture:** handmade  
**Surface:** red-coated and polished inside,  
roughly smoothed outside  
**Reference:** von der Way 1997: 180, Plate 19: 3,  
Type o5a  
**Dating:** Phase I (Chalcolithic Period)



### Lower Egyptian Culture 74

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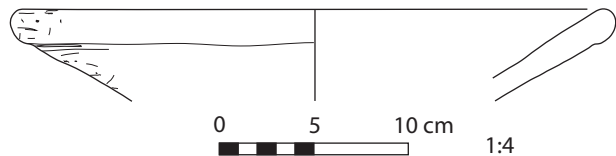
**Site:** Buto  
**Shape:** flat tray  
**Material:** NC  
**Manufacture:** handmade  
**Surface:** smoothed  
**Reference:** von der Way 1997: 180, Plate 19: 4,  
Type o5b  
**Dating:** Phase I (Chalcolithic Period)



### Lower Egyptian Culture 75

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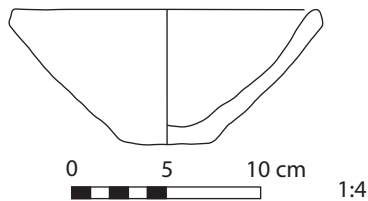
**Site:** Buto  
**Shape:** bowl with flaring walls and rounded rim  
**Material:** NB2  
**Manufacture:** handmade  
**Surface:** smoothed  
**Reference:** von der Way 1997: 180, Plate 20: 6, Type o1a.2  
**Dating:** Phase II (Naqada IIC-D1)



### Lower Egyptian Culture 76

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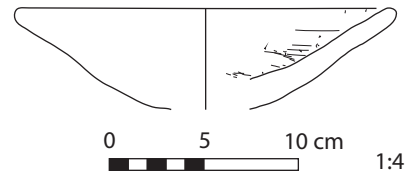
**Site:** Buto  
**Shape:** bowl with straight walls and flat base  
**Material:** NB1  
**Manufacture:** handmade  
**Surface:** red-coated, vertically polished  
**Reference:** von der Way 1997: 181, Plate 21: 8,  
Type 01a.4  
**Dating:** Phase I (Chalcolithic Period)



### Lower Egyptian Culture 77

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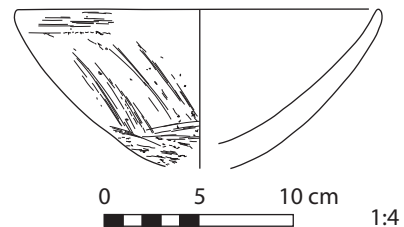
**Site:** Buto  
**Shape:** bowl with flaring walls  
**Material:** NB1  
**Manufacture:** handmade  
**Surface:** red-coated, polished  
**Reference:** von der Way 1997: 180, Plate 20: 3,  
Type 01a.1  
**Dating:** Phase Ib (Chalcolithic Period)–  
II (Naqada IIC–D1)



### Lower Egyptian Culture 78

---

**Site:** Buto  
**Shape:** bowl with lightly incurved walls  
**Material:** NB1  
**Manufacture:** handmade  
**Surface:** smoothed  
**Reference:** von der Way 1997: 181, Plate 21: 10, Type 01a.4  
**Dating:** Phase Ia (Chalcolithic Period)



## Lower Egyptian Culture 79

---

**Site:** Buto

**Shape:** bowl with straight walls and rounded rim

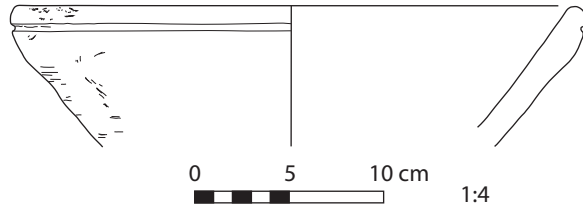
**Material:** NC

**Manufacture:** handmade

**Surface:** smoothed

**Reference:** von der Way 1997: 181, Plate 22: 7,  
Type 01a.5

**Dating:** Phase II (Naqada IIC-D1)



## Lower Egyptian Culture 80

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**Site:** Buto

**Shape:** bowl with flaring walls

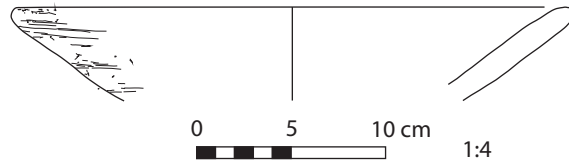
**Material:** NB1

**Manufacture:** handmade

**Surface:** smoothed

**Reference:** von der Way 1997: 181, Plate 22: 3, Type 01a.5

**Dating:** Phase I (Chalcolithic Period)



## Lower Egyptian Culture 81

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**Site:** Buto

**Shape:** bowl with flaring walls and wavy rim line

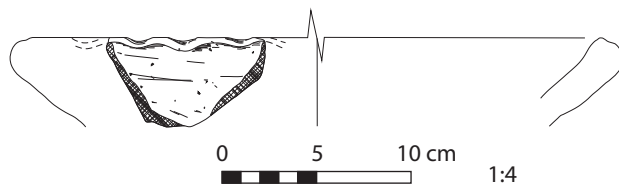
**Material:** NB2

**Manufacture:** handmade

**Surface:** smoothed

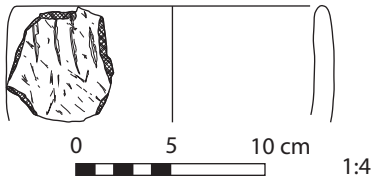
**Reference:** von der Way 1997: 181, Plate 23: 2, Type 01a.5

**Dating:** Phase Ia (Chalcolithic Period)



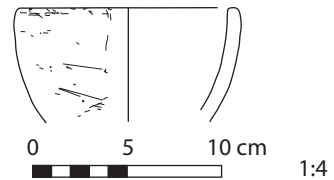
### Lower Egyptian Culture 82

**Site:** Buto  
**Shape:** bowl with vertical walls  
**Material:** NC  
**Manufacture:** handmade  
**Surface:** red-coated (?), polished (?)  
**Reference:** von der Way 1997: 181, Plate 23: 8,  
 Type 01a.7  
**Dating:** Phase Ib (Chalcolithic Period)–  
 II (Naqada IIC–D1)



### Lower Egyptian Culture 83

**Site:** Buto  
**Shape:** bowl with slightly incurved walls  
**Material:** NB1  
**Manufacture:** handmade  
**Surface:** red-coated, horizontally polished  
**Reference:** von der Way 1997: 181, Plate 23: 5,  
 Type 01a.6  
**Dating:** Phase Ia (Chalcolithic Period)



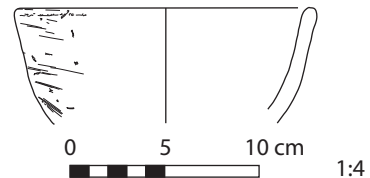
### Lower Egyptian Culture 84

**Site:** Buto  
**Shape:** bowl with flaring walls  
**Material:** NA-NB  
**Manufacture:** handmade  
**Surface:** red-coated, polished inside,  
 smoothed outside  
**Reference:** von der Way 1997: 181, Plate 23: 10,  
 Type 01a.7  
**Dating:** Phase I (Chalcolithic Period)–  
 II (Naqada IIC–D1)



### Lower Egyptian Culture 85

**Site:** Buto  
**Shape:** bowl with flaring walls  
**Material:** NB2  
**Manufacture:** handmade  
**Surface:** red-coated, polished  
**Reference:** von der Way 1997: 181, Plate 23: 7,  
 Type 01a.7  
**Dating:** Phase II (Naqada IIC–D1)





## Lower Egyptian Culture 86

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**Site:** Buto

**Shape:** bowl with straight thick walls

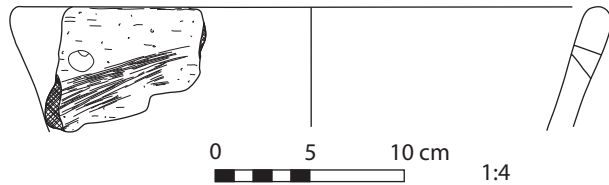
**Material:** not stated, but perhaps NB2

**Manufacture:** handmade

**Surface:** red-coated, polished inside, smoothed outside, lightly brush-scratched

**Reference:** von der Way 1997: 181, Plate 24: 2, Type 01a.8

**Dating:** Phase I (Chalcolithic Period)–II (Naqada IIC–D1)



## Lower Egyptian Culture 87

---

**Site:** Buto

**Shape:** bowl with straight thick walls

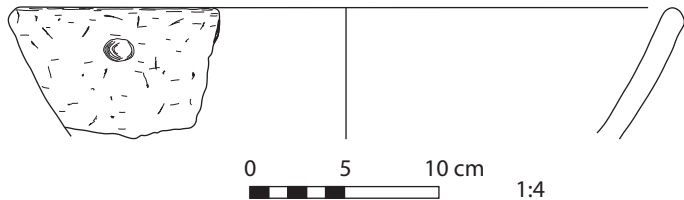
**Material:** NB2

**Manufacture:** handmade

**Surface:** red-coated, polished inside, smoothed outside

**Reference:** von der Way 1997: 182, Plate 24: 6, Type 01a.8

**Dating:** Phase I (Chalcolithic Period)



## Lower Egyptian Culture 88

---

**Site:** Buto

**Shape:** bowl with slightly flaring walls

**Material:** NB2

**Manufacture:** handmade

**Surface:** smoothed

**Reference:** von der Way 1997: 182, Plate 26: 4,  
Type 01b.5

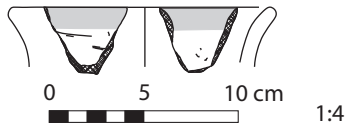
**Dating:** not stated



### Lower Egyptian Culture 89

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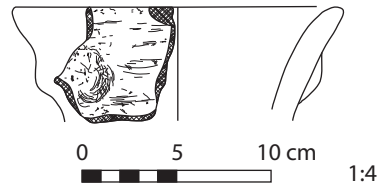
**Site:** Buto  
**Shape:** bowl with flaring walls  
**Material:** NB2  
**Manufacture:** handmade  
**Surface:** smoothed, with white painted rim  
**Reference:** von der Way 1997: 182, Plate 26: 8,  
Type O2.1  
**Dating:** Phase Ia (Chalcolithic Period)



### Lower Egyptian Culture 90

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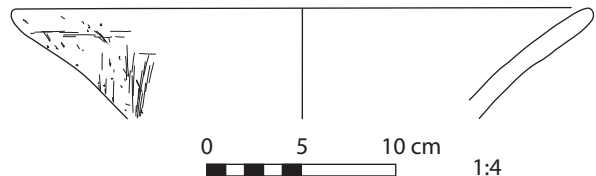
**Site:** Buto  
**Shape:** bowl with flaring walls and with knob  
below rim  
**Material:** NB2  
**Manufacture:** handmade  
**Surface:** brown-coated, smoothed  
**Reference:** von der Way 1997: 183, Plate 27: 5,  
Type O2.2  
**Dating:** Phase Ia (Chalcolithic Period)



### Lower Egyptian Culture 91

---

**Site:** Buto  
**Shape:** bowl with flaring walls  
**Material:** NC  
**Manufacture:** handmade  
**Surface:** smoothed  
**Reference:** von der Way 1997: 183, Plate 27: 10, Type O2.3  
**Dating:** Phase I (Chalcolithic Period)



## Lower Egyptian Culture 92

---

**Site:** Buto

**Shape:** bowl with flaring walls and rounded rim

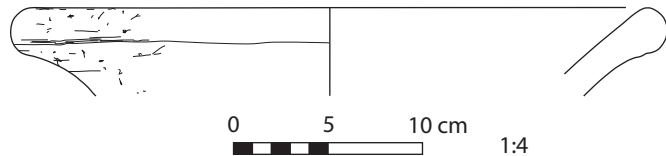
**Material:** NC

**Manufacture:** handmade

**Surface:** smoothed

**Reference:** von der Way 1997: 183, Plate 28: 2, Type O2.4

**Dating:** Phase I (Chalcolithic Period)



## Lower Egyptian Culture 93

---

**Site:** Buto

**Shape:** bowl with flaring walls and rounded rim

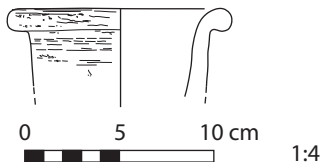
**Material:** NA-NB

**Manufacture:** handmade

**Surface:** well smoothed

**Reference:** von der Way 1997: 183, Plate 28: 4, Type O3a

**Dating:** Phase II (Naqada IIC-D1)-IIIa (Naqada IID2)



## Lower Egyptian Culture 94

---

**Site:** Buto

**Shape:** bowl with flaring walls and wavy rim line

**Material:** NB2

**Manufacture:** handmade

**Surface:** smoothed

**Reference:** von der Way 1997: 183, Plate 28: 10, Type O3a

**Dating:** Phase I (Chalcolithic Period)



### Lower Egyptian Culture 95

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**Site:** Maadi

**Shape:** bowl with recurved rim

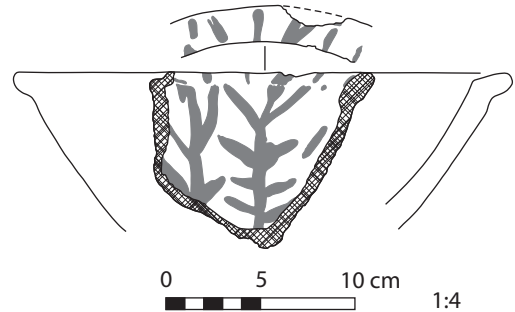
**Material:** 1C

**Manufacture:** handmade

**Surface:** light red-slipped, smoothed,  
with red painted decoration inside

**Reference:** Rizkana and Seeher 1987: 97,  
Plate 44: 1, Type 2

**Dating:** not stated



### Lower Egyptian Culture 96

---

**Site:** Maadi

**Shape:** bowl with recurved rim and flat base

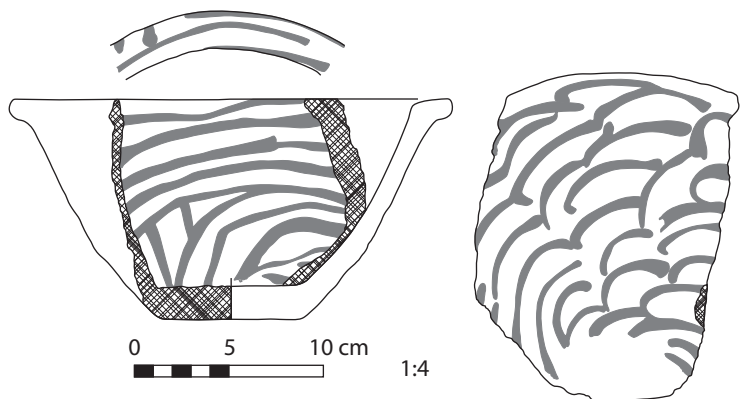
**Material:** 1C

**Manufacture:** handmade

**Surface:** orange-slipped, smoothed, with red painted decoration inside and outside

**Reference:** Rizkana and Seeher 1987: 97, Plate 44: 7, Type 2b

**Dating:** not stated



## Lower Egyptian Culture 97

---

**Site:** Buto

**Shape:** bowl with flaring walls and ledge rim

**Material:** NB2

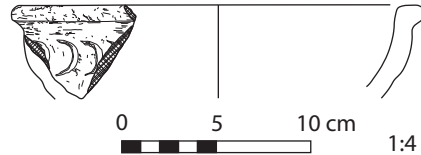
**Manufacture:** handmade

**Surface:** red-coated, polished, with incised decoration

**Reference:** von der Way 1997: 183, Plate 29: 4,

Type O3a

**Dating:** Phase II (Naqada IIC–D1)



## Lower Egyptian Culture 98

---

**Site:** Buto

**Shape:** bowl with flaring walls and flaring rim

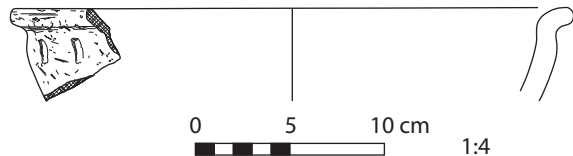
**Material:** NB2

**Manufacture:** handmade

**Surface:** red-coated, polished, with incised decoration

**Reference:** von der Way 1997: 184, Plate 29: 7, Type O3a

**Dating:** not stated



## Lower Egyptian Culture 99

---

**Site:** Buto

**Shape:** bowl with flaring walls and rounded rim

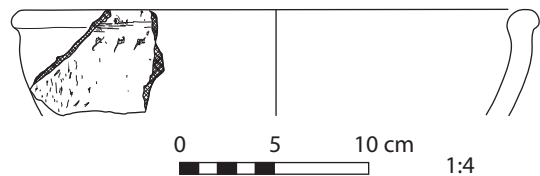
**Material:** NB (?)

**Manufacture:** handmade

**Surface:** red-coated, polished, with incised decoration

**Reference:** von der Way 1997: 184, Plate 29: 8, Type O3a

**Dating:** Phase II (Naqada IIC–D1)



### Lower Egyptian Culture 100

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**Site:** Buto

**Shape:** bowl with flaring walls and elongated rim

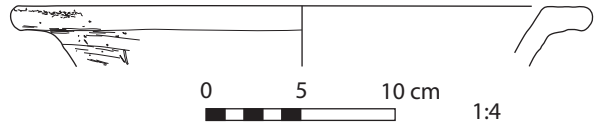
**Material:** NB2

**Manufacture:** handmade

**Surface:** smoothed

**Reference:** von der Way 1997: 184, Plate 31: 6, Type O3b.1

**Dating:** Phase I (Chalcolithic Period)



### Lower Egyptian Culture 101

---

**Site:** Buto

**Shape:** bowl with flaring walls and elongated rim

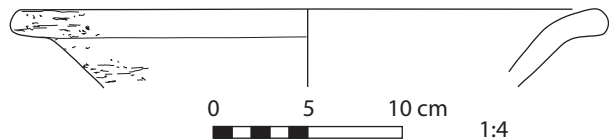
**Material:** NB2

**Manufacture:** handmade

**Surface:** smoothed

**Reference:** von der Way 1997: 184, Plate 31: 8, Type O3b.1

**Dating:** Phase I (Chalcolithic Period)



### Lower Egyptian Culture 102

---

**Site:** Buto

**Shape:** bowl with flaring walls

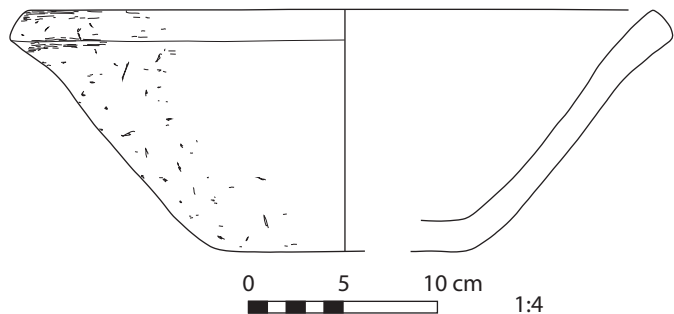
**Material:** NC

**Manufacture:** handmade

**Surface:** smoothed

**Reference:** von der Way 1997: 184, Plate 33: 2, Type O5a

**Dating:** Phase II (Naqada IIC-D1)



### Lower Egyptian Culture 103

---

**Site:** Maadi

**Shape:** bowl with flaring walls and flat base

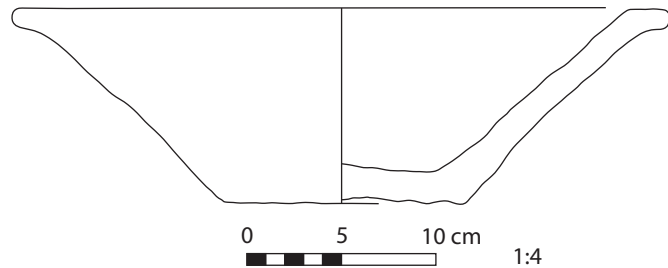
**Material:** ib

**Manufacture:** handmade

**Surface:** smoothed

**Reference:** Rizkana and Seeher 1987: 101, Plate 52: 2, Type 2b

**Dating:** not stated



### Lower Egyptian Culture 104

---

**Site:** Maadi

**Shape:** bowl with flaring walls and flat base

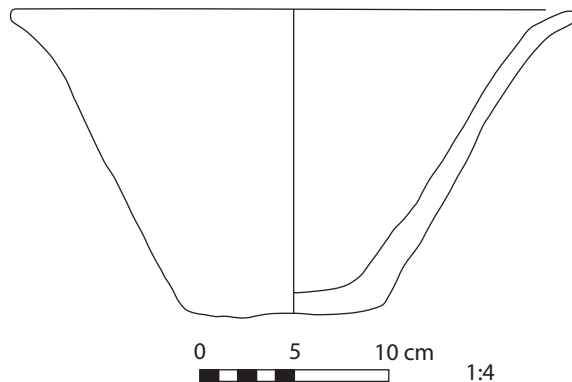
**Material:** ib

**Manufacture:** handmade

**Surface:** smoothed

**Reference:** Rizkana and Seeher 1987: 101, Plate 52: 6, Type 2b

**Dating:** not stated



### Lower Egyptian Culture 105

---

**Site:** Buto

**Shape:** tray with flaring walls

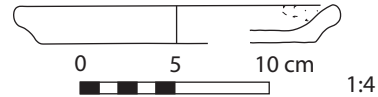
**Material:** NB2

**Manufacture:** handmade

**Surface:** smoothed

**Reference:** von der Way 1997: 184, Plate 33: 4, Type 05b

**Dating:** Phase Ia (Chalcolithic Period)



### Lower Egyptian Culture 106

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**Site:** Maadi

**Shape:** pan, probably oval

**Material:** 1b

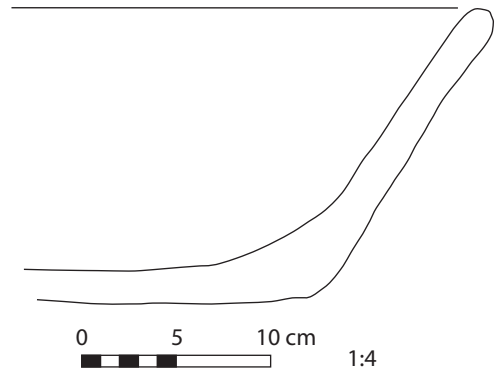
**Manufacture:** handmade

**Surface:** red/brown-slipped, smoothed

**Reference:** Rizkana and Seeher 1987: 101,

Plate 53: 7, Type 1

**Dating:** not stated



### Lower Egyptian Culture 107

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**Site:** Maadi

**Shape:** basin-like bowl with straight sides

**Material:** 1b

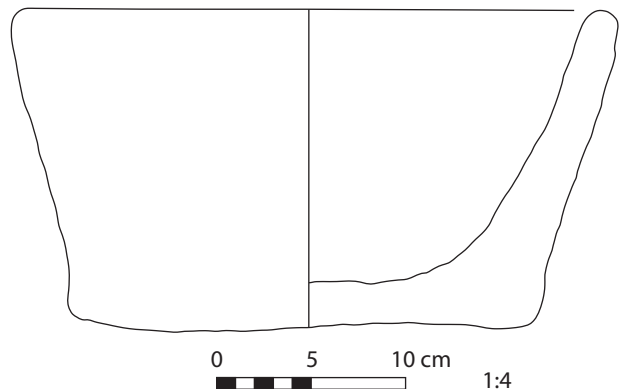
**Manufacture:** handmade

**Surface:** gray/red-slipped, smoothed

**Reference:** Rizkana and Seeher 1987: 101,

Plate 52: 8, Type 2b

**Dating:** not stated





## Lower Egyptian Culture 108

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**Site:** Buto

**Shape:** tray with very thick walls

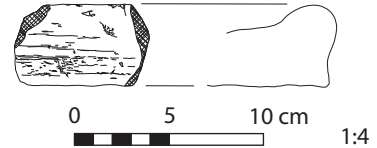
**Material:** NC

**Manufacture:** handmade

**Surface:** roughly smoothed

**Reference:** von der Way 1997: 184–185, Plate 33: 5, Type 05b

**Dating:** Phase I (Chalcolithic Period)



## Lower Egyptian Culture 109

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**Site:** Maadi

**Shape:** pan with perforated ring base

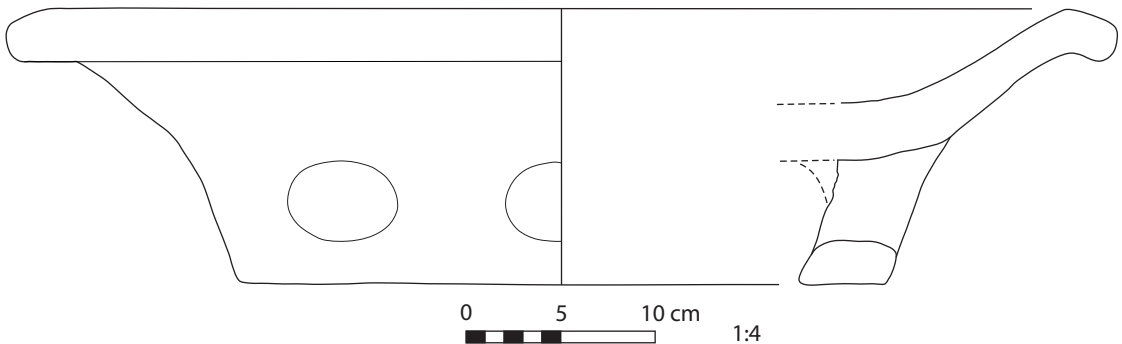
**Material:** Ib

**Manufacture:** handmade

**Surface:** smoothed

**Reference:** Rizkana and Seeher 1987: 102, Plate 54: 8, Type 3

**Dating:** not stated



### Lower Egyptian Culture 110

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**Site:** Maadi

**Shape:** pan on foot

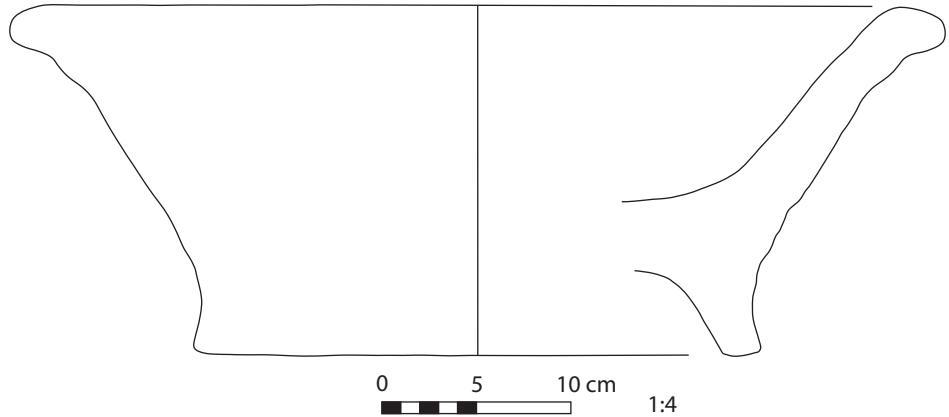
**Material:** 1b

**Manufacture:** handmade

**Surface:** smoothed

**Reference:** Rizkana and Seeher 1987: 102, Plate 54: 9, Type 3

**Dating:** not stated



### Lower Egyptian Culture 111

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**Site:** Maadi

**Shape:** bowl on a raised base

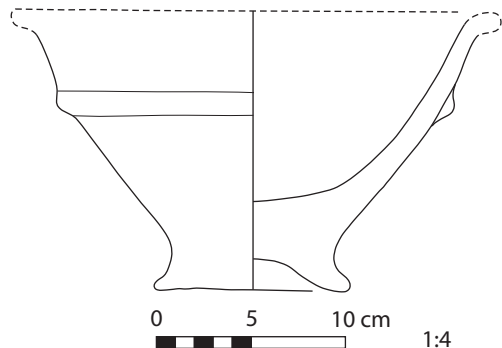
**Material:** 1a

**Manufacture:** handmade

**Surface:** burnished

**Reference:** Rizkana and Seeher 1987: 102, Plate 55: 1, Type 2c

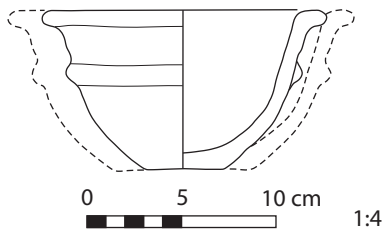
**Dating:** not stated



### Lower Egyptian Culture 112

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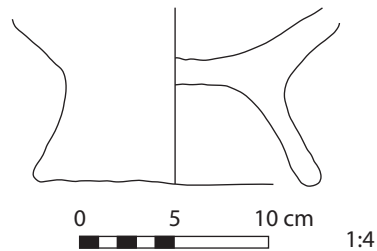
**Site:** Maadi  
**Shape:** bowl with flat base  
**Material:** 1a  
**Manufacture:** handmade  
**Surface:** burnished  
**Reference:** Rizkana and Seeher 1987: 102,  
Plate 55: 2, Type 2b  
**Dating:** not stated



### Lower Egyptian Culture 113

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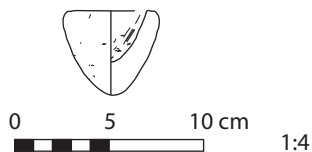
**Site:** Maadi  
**Shape:** bowl on a raised base  
**Material:** 1a/b  
**Manufacture:** handmade  
**Surface:** burnished  
**Reference:** Rizkana and Seeher 1987: 102,  
Plate 55: 6  
**Dating:** not stated



### Lower Egyptian Culture 114

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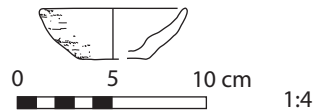
**Site:** Buto  
**Shape:** small bowl  
**Material:** NB2  
**Manufacture:** handmade  
**Surface:** smoothed  
**Reference:** von der Way 1997: 185, Plate 35: 5  
**Dating:** Phase II (Naqada IIC-D1)



### Lower Egyptian Culture 115

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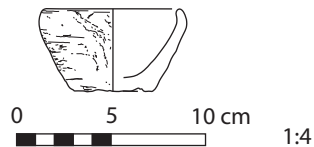
**Site:** Buto  
**Shape:** small bowl  
**Material:** NA  
**Manufacture:** handmade  
**Surface:** well smoothed  
**Reference:** von der Way 1997: 186, Plate 35: 11  
**Dating:** Phase Ib (Chalcolithic Period)



### Lower Egyptian Culture 116

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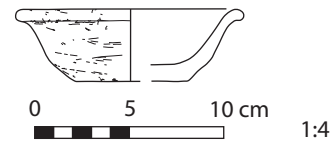
**Site:** Buto  
**Shape:** small bowl with incurved walls  
**Material:** NB1  
**Manufacture:** handmade  
**Surface:** well smoothed  
**Reference:** von der Way 1997: 186, Plate 35: 15  
**Dating:** Phase II (Naqada IIC-D1)



### Lower Egyptian Culture 117

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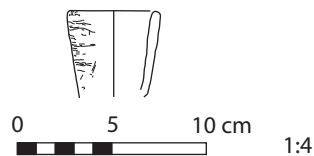
**Site:** Buto  
**Shape:** small bowl with flaring walls  
**Material:** NB1  
**Manufacture:** handmade  
**Surface:** well smoothed  
**Reference:** von der Way 1997: 186, Plate 35: 16  
**Dating:** Phase II (Naqada IIC-D1)



### Lower Egyptian Culture 118

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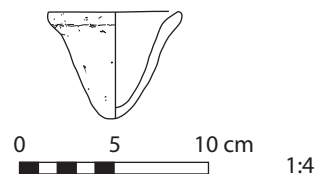
**Site:** Buto  
**Shape:** small vessel with straight walls  
**Material:** NB1  
**Manufacture:** handmade  
**Surface:** smoothed  
**Reference:** von der Way 1997: 186, Plate 35: 19  
**Dating:** Phase I (Chalcolithic Period)-  
II (Naqada IIC-D1)



### Lower Egyptian Culture 119

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**Site:** Buto  
**Shape:** small vessel with pointed base  
**Material:** NB1  
**Manufacture:** handmade  
**Surface:** smoothed  
**Reference:** von der Way 1997: 186, Plate 35: 25  
**Dating:** Phase I (Chalcolithic Period)



## Lower Egyptian Culture 120

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**Site:** Buto

**Shape:** bowl with incurved walls and recurved rim

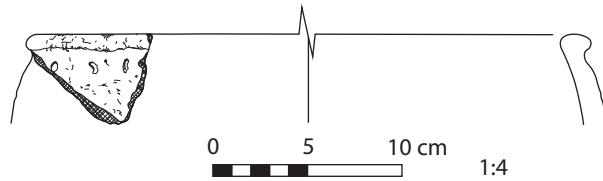
**Material:** NB2

**Manufacture:** handmade

**Surface:** red-coated, polished

**Reference:** von der Way 1997: 187, Plate 38: 11, Type O3a

**Dating:** Phase I1a (Naqada IIC-D1)



## Lower Egyptian Culture 121

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**Site:** Buto

**Shape:** bowl with incurved walls and recurved elongated rim

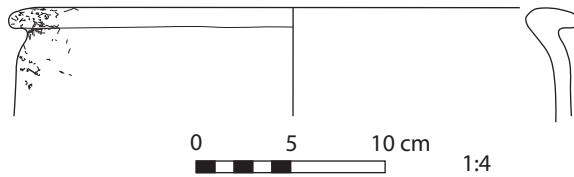
**Material:** NB2

**Manufacture:** handmade

**Surface:** red-coated, polished

**Reference:** von der Way 1997: 187, Plate 38: 12

**Dating:** Phase I1b (Naqada IIC-D1)



## Lower Egyptian Culture 122

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**Site:** Maadi

**Shape:** multiple vessel

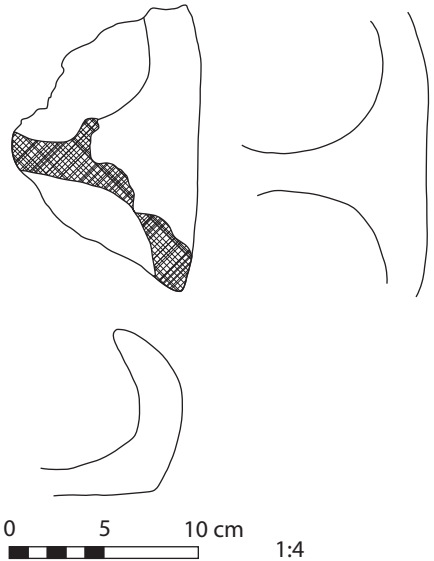
**Material:** ib

**Manufacture:** handmade

**Surface:** well smoothed

**Reference:** Rizkana and Seeher 1987: 104, Plate 62: 3

**Dating:** not stated



## Lower Egyptian Culture 123

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**Site:** Maadi

**Shape:** stand

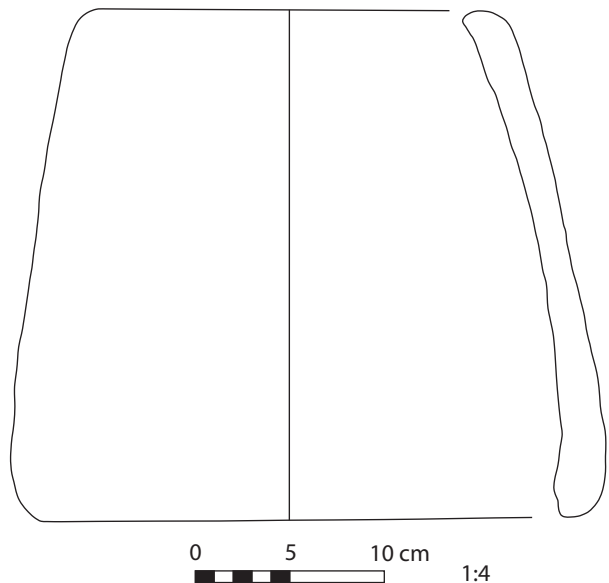
**Material:** ib

**Manufacture:** handmade

**Surface:** possibly slipped, smoothed

**Reference:** Rizkana and Seeher 1987: 103, Plate 60: 1

**Dating:** not stated



## Lower Egyptian Culture 124

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**Site:** Maadi

**Shape:** stand with perforations

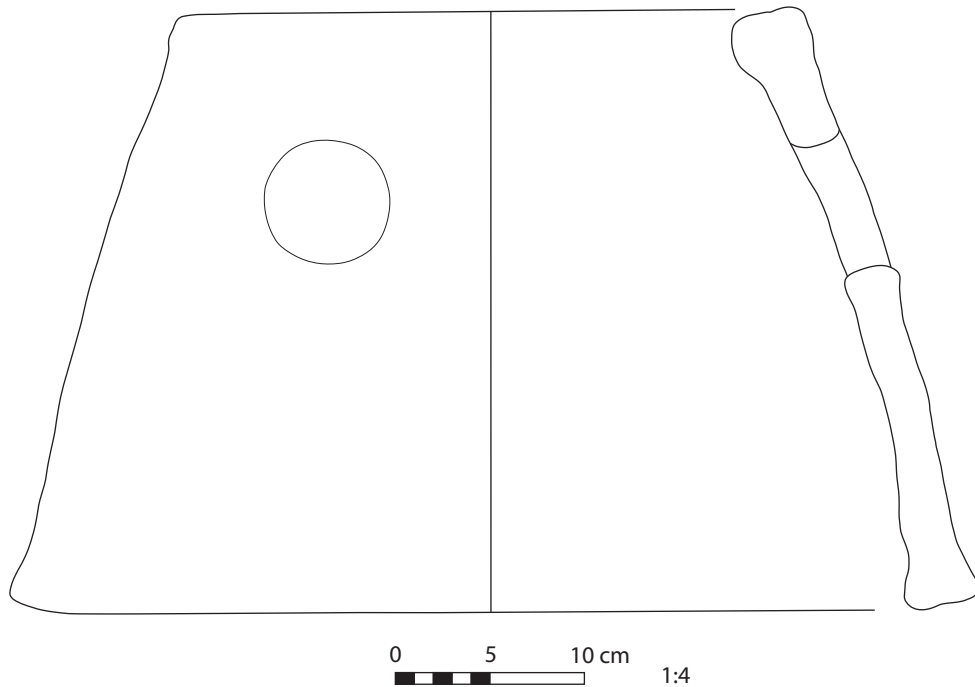
**Material:** ib

**Manufacture:** handmade

**Surface:** dark red/brown-slipped, smoothed

**Reference:** Rizkana and Seeher 1987: 103, Plate 60: 5

**Dating:** not stated

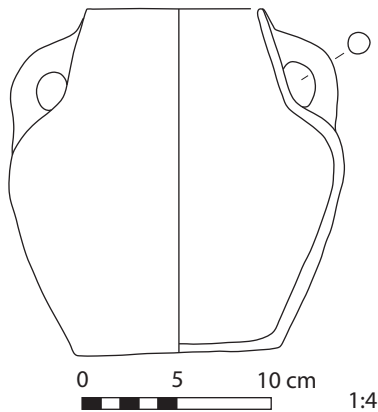


## Imports from Palestine

### Lower Egyptian Culture 125

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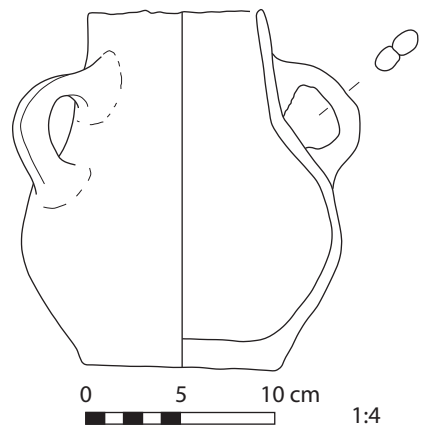
**Site:** Maadi  
**Shape:** jar with two lug handles  
**Material:** v  
**Manufacture:** handmade  
**Surface:** well smoothed  
**Reference:** Rizkana and Seeher 1987: 109,  
Plate 72: 9, Type 11  
**Dating:** not stated



### Lower Egyptian Culture 126

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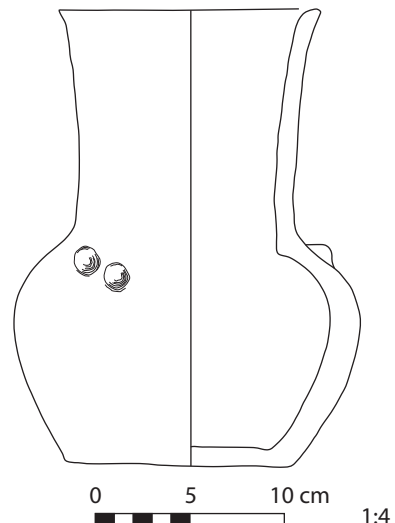
**Site:** Maadi  
**Shape:** jar with two lug handles  
**Material:** v  
**Manufacture:** handmade  
**Surface:** smoothed  
**Reference:** Rizkana and Seeher 1987: 109,  
Plate 73: 3, Type 11  
**Dating:** not stated



### Lower Egyptian Culture 127

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**Site:** Maadi  
**Shape:** jar with flat base and tall funnel neck  
**Material:** v  
**Manufacture:** handmade  
**Surface:** smoothed  
**Reference:** Rizkana and Seeher 1987: 110, Plate 76: 1,  
Type 12  
**Dating:** not stated





## Lower Egyptian Culture 128

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**Site:** Maadi

**Shape:** jar with flat base, cylindrical neck, and two ledge handles

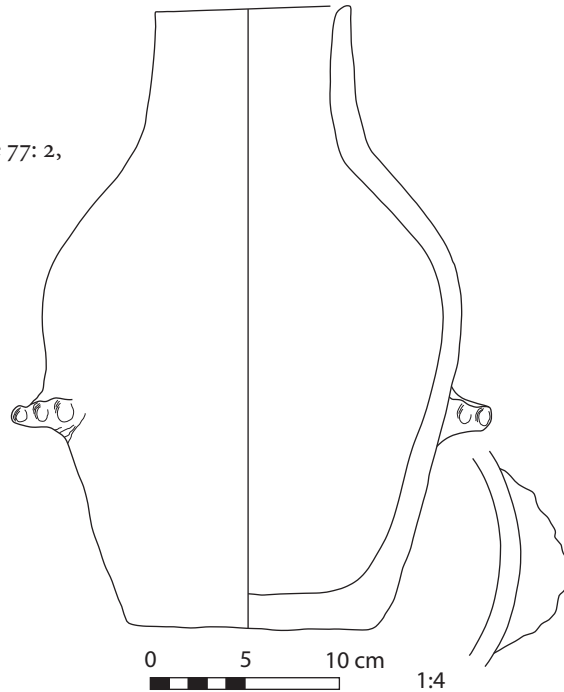
**Material:** v

**Manufacture:** handmade

**Surface:** smoothed

**Reference:** Rizkana and Seeher 1987: 110, Plate 77: 2,  
Type 10/11

**Dating:** not stated



## Lower Egyptian Culture 129

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**Site:** Maadi

**Shape:** jar with flat base, cylindrical neck, and two ledge handles

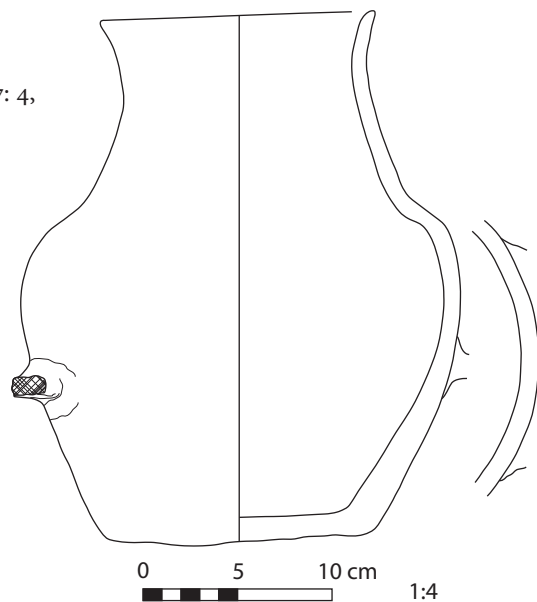
**Material:** v

**Manufacture:** handmade

**Surface:** smoothed

**Reference:** Rizkana and Seeher 1987: 111, Plate 77: 4,  
Type 11/12

**Dating:** not stated





## Further Reading: a Selection for Volume 1

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- Adams, B. 1996. Imports and Imitations in Predynastic Funerary Contexts at Hierakonpolis. In *Interregional Contacts in the Later Prehistory of Northeastern Africa*, edited by L. Krzyżaniak, K. Kroeper, and M. Kobusiewicz, 133–143. Poznań: Poznań Archaeological Museum.
- Aksamit, J. 1992. Petrie's Type D 46 D and Remarks on the Production and Decoration of Predynastic Decorated Pottery. *CCE* 3: 17–21, pl. 1–3.
- Ayrton, E. R., and W. L. S. Loat. 1911. *Predynastic Cemetery at El-Mahasna*. London: Egypt Exploration Fund.
- Baumgartel, E. J. 1955. *The Cultures of Prehistoric Egypt*. Oxford: Oxford University Press.
- . 1970. *Petrie's Naqada Excavation: A Supplement*. London: B. Quaritch.
- Brink, E. C. M. van den, and T. E. Levy, eds. 2002. *Egypt and the Levant. Interrelations from the 4th through the Early 3rd Millennium B.C.* London: Leicester University Press.
- Brunton, G. 1930. *Qau and Badari III*. London: British School of Archaeology in Egypt.
- . 1948. *Matmar*. London: B. Quaritch.
- Brunton, G., and G. Caton-Thompson. 1928. *The Badarian Civilisation and Predynastic Remains near Badari*. London: British School of Archaeology in Egypt.
- Buchez, N. 2002. Le mobilier céramique. In *Adaïma. 1. Économie et habitat*, edited by B. Midant-Reynes and N. Buchez, 169–289. Cairo: IFAO.
- . 2004. Les vases à cuire l'époque prédynastique à Adaïma: Aspects techniques, économique et culturels. *CCE* 7: 15–45.
- Caton-Thompson, G., and E. W. Gardner. 1934. *The Desert Fayum*. London: The Royal Anthropological Institute of Great Britain and Ireland.
- Ciałowicz, K. M. 1999. *Początki cywilizacji egipskiej*. Warszawa-Kraków: Wydawnictwo Naukowe PWN.
- Crowfoot Payne, J. 1993. *Catalogue of the Predynastic Egyptian Collection in the Ashmolean Museum*. Oxford: Oxford University Press.
- Crowfoot Payne, J., A. Kaczmarczyk, and S. J. Fleming. 1977. Forged Decoration on Predynastic Pots. *JEA* 63: 5–12.
- Crubézy, É., J. Thierry, and B. Midant-Reynes. 2002. *Adaïma. 2. La nécropole prédynastique*. IFAO 47. Cairo: IFAO.
- Debono, F. 1992. L'atelier local d'El-Omari. *CCE* 3: 1–6.
- Debono, F., and B. Mortensen. 1988. *The Predynastic Cemetery at Heliopolis: Season March–September 1950, AV 63*. Mainz am Rhein: Philipp von Zabern.
- . 1990. *El-Omari. A Neolithic Settlement and Other Sites in the Vicinity of Wadi Hof, Helwan, AV 82*. Mainz am Rhein: Philipp von Zabern.
- Edwards, W. J., and C. A. Hope. 1989. A Note on the Neolithic Ceramics from the Dakhleh Oasis (Egypt). In *Late Prehistory of the Nile Basin and the Sahara*, edited by L. Krzyżaniak and M. Kobusiewicz, 233–242. Poznań: Poznań Archaeological Museum.

- Eiwanger, J. 1984. *Merimde-Benisalâme 1. Die Funde der Urschicht*, AV 47. Mainz am Rhein: Philipp von Zabern.
- . 1988. *Merimde-Benisalâme 2. Die Funde der mittleren Merimdekultur*, AV 51. Mainz am Rhein: Philipp von Zabern.
- . 1992. *Merimde-Benisalâme 3. Die Funde der jüngeren Merimdekultur*, AV 59. Mainz am Rhein: Philipp von Zabern.
- el-Sanussi, A., and M. Jones. 1997. A Site of the Maadi Culture near the Giza Pyramids. *MDAIK* 53: 241–253.
- Faltings, D. 2002. The Chronological Frame and Social Structure of Buto in the Fourth Millennium BC. In *Egypt and Levant. Interrelations from the 4th through the Early 3rd Millennium B.C.*, edited by E. C. M. van den Brink and T. E. Levy, 165–170. London: Leicester University Press.
- Faltings, D., P. Ballet, F. Förster, P. French, C. Ihde, H. Sahlmann, J. Tomalsky, C. Thumshirn, and A. Wodzińska. 2000. Zweiter Vorbericht über die Arbeiten in Buto von 1996 bis 1999. *MDAIK* 56: 131–179, Plates 15–18.
- Friedman, R. F. 1994. *Predynastic Settlement Ceramics of Upper Egypt: A Comparative Study of the Ceramics of Hemameh, Naqada and Hierakonpolis*. PhD thesis, Univeristy of California.
- Jucha, M. 2000. Initial Results of Research on Predynastic and Early Dynastic Pottery from Tell el Farkha (1998–1999). In *Proceedings of the First Central European Conference of Young Egyptologists. Egypt 1999: Perspectives of Research. Warsaw 7–9 June 1999*, edited by J. Popielska-Grzybowska, 39–45. Warsaw: Institute of Archaeology, Warsaw University.
- . 2005. *Tell el-Farkha II. The Pottery of the Predynastic Settlement (Phases 2 to 5)*. Kraków, Poznań: Institute of Archaeology, Jagiellonian University, Kraków and Archaeological Museum, Poznań.
- Kopp, P. 2006. *Elephantine xxxxi: Die Siedlung der Naqadazeit*, AV 118. Mainz am Rhein: Philipp von Zabern.
- Kroeper, K. 1986–1987. The Ceramic of the Pre/Early Dynastic Cemetery at Minshat Abu Omar. *BES* 8: 73–94.
- . 1995. Decorated Ware from Minshat Abu Omar. *BCE* X: 12–17.
- Mączyńska, A. 2003. Lower Egyptian Culture at Tell el-Farkha. In *Cultural Markers in the Later Prehistory of Northeastern Africa and Recent Research*, edited by L. Krzyżaniak, K. Kroeper, and M. Kobusiewicz, 213–226. Poznań: Poznań Archaeological Museum.
- . 2004. Pottery Tradition at Tell el-Farkha. In *Egypt at its Origins. Studies in Memory of Barbara Adams. Proceedings of the International Conference “Origin of the State. Predynastic and Early Dynastic Egypt,” Kraków, 28th August–1st September 2002*, edited by S. Hendrickx, R. F. Friedman, K. M. Ciałowicz, and M. Chłodnicki, 421–442. Leuven: Peeters.
- Petrie, W. M. F. 1901. *Diospolis Parva. The Cemeteries of Abadiyeh and Hu, 1898–9*. London: Egypt Exploration Fund.
- . 1920. *Prehistoric Egypt*. London: B. Quaritch.
- . 1921. *Corpus of Prehistoric Pottery and Palettes*. London: British School of Archaeology in Egypt.
- Petrie, W. M. F., and J. E. Quibell. 1896. *Naqada and Ballas*. London: B. Quaritch.
- Quibell, J. E. 1898. *El Kab*. London: B. Quaritch.

- Regner, C. 1998. *Keramik*. Wiesbaden: Harrassowitz.
- Rizkana, I., and J. Seeher. 1987. *Maadi I. The Pottery of the Predynastic Settlement, AV 64*. Mainz am Rhein: Philipp von Zabern.
- Spencer, A. J. 1997. Pottery in Predynastic Egypt. In *Pottery in Making. World Ceramic Traditions*, edited by I. Freestone and D. R. M. Geimster, 44–49. London: British Museum Press.
- Steinmann, F. 1998. *Tongefässe von der vordynastischen Zeit bis zum Ende des Mittleren Reiches, Katalog Ägyptischer Sammlung in Leipzig II*. Mainz am Rhein: Philipp von Zabern.
- Śliwa, J. 1998. Keramik der Naqada-Kultur und der archaischen Zeit. In *Frühe Keramik aus El-Târif*, edited by B. Ginter, J. K. Kozłowski, M. Pawlikowski, J. Śliwa, and H. Kammerer-Grothaus, 45–58, AV 40. Mainz am Rhein: Philipp von Zabern.
- Tutundžić, S. T. 1993. A Consideration of Differences between the Pottery Showing Palestinian Characteristics in the Maadian and Gerzean Cultures. *JEA* 79: 33–55.
- Way, T. von der. 1991. Zur Herkunft keramischer Dekorationen des spätvorgeschichtlichen Unterägypten. *CCE* 2: 1–9.
- . 1997. *Tell el-Fara'in, Buto I: Ergebnisse zum frühen Kontext, Kampagnen der Jahre 1983–1989, AV 83*. Mainz am Rhein: Philipp von Zabern.
- Wilkinson, T. A. H. 1996. *State Formation in Egypt, Cambridge Monographs in African Archaeology 40*. BAR International Series 651. Oxford: Tempus Reparatum.

## Fayum A, Representative Examples



Plate 1.1. Fayum (Kom W). Similar to Fayum A 21–22 (see p. 35). Photo courtesy Tonny de Wit.



Plate 1.2. Fayum (Kom K). Similar to Fayum A 2 (see p. 26). Photo courtesy Tonny de Wit.



Plate 1.3. Fayum. Similar to Fayum A 11–12 (see pp. 28–29). UC2522, Petrie Museum.



Plate 1.4. Fayum (Kom K). Similar to Fayum A 3 (see p. 26). UC2948, Petrie Museum.

## Fayum A, Representative Examples, continued

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Plate 2.1. Fayum. Similar to Fayum A 19–20 (see p. 34). UC2508, Petrie Museum.



Plate 2.2. Fayum. Similar to Fayum A 19–20 (see p. 34). UC2507, Petrie Museum.



Plate 2.3. Fayum. Similar to Fayum A 6 (see p. 27). UC2504, Petrie Museum.



## Merimde, Representative Examples

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Plate 3.1. Merimde. UC10944, Petrie Museum.



Plate 3.2. Merimde. For similar base, see Merimde 75 (p. 61). UC10976, Petrie Museum.



Plate 3.3. Merimde. UC10991, Petrie Museum.



## Badari, Representative Examples



Plate 4.1. Badari. UC9045, Petrie Museum.



Plate 4.2. Badari. Similar to Badari 32 (see p. 87). UC9086, Petrie Museum.



Plate 4.3. Badari. Similar to Badari 6 (see p. 77). UC9044, Petrie Museum.



Plate 4.4. Badari. Similar to Badari 23 (see p. 84). UC9063a, Petrie Museum.



Plate 4.5. Badari. Similar to Badari 35 (see p. 88). UC14515, Petrie Museum.

## Naqada I, Representative Examples



Plate 5.1. Site not stated. Similar to Naqada I 25 (see p. 111). UC15312, Petrie Museum.



Plate 5.2. Site not stated. UC15282, Petrie Museum.

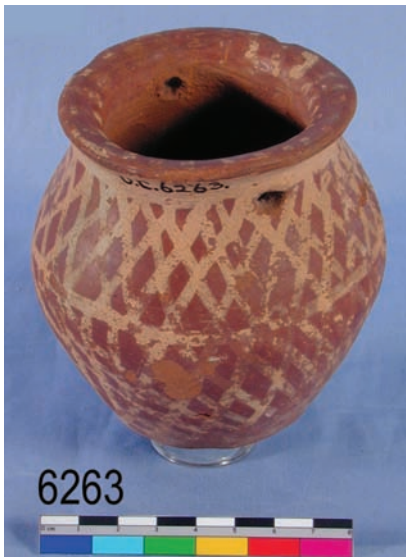


Plate 5.3. Site not stated. UC6263, Petrie Museum.

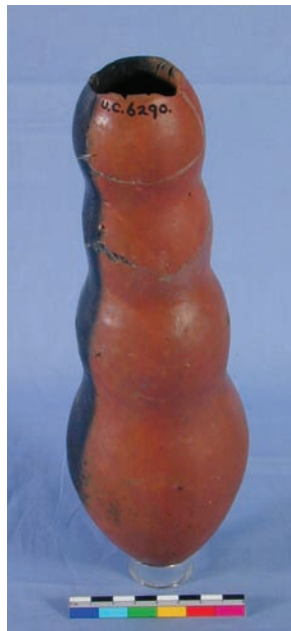


Plate 5.4. Site not stated. Similar to Naqada I 16 (see p. 107). UC6290, Petrie Museum.



Plate 5.5. Site not stated. UC36261, Petrie Museum.

## Naqada II, Representative Examples



Plate 6.1. Abydos. Similar to Naqada II 20 (see p. 127). UC6174, Petrie Museum.



Plate 6.2. Site not stated. Similar shape seen in Naqada II 11 (see p. 122). UC6300, Petrie Museum.



Plate 6.3. Site not stated. Similar to Naqada II 17 (see p. 124). UC6349, Petrie Museum.



## Naqada II, Representative Examples, continued



Plate 7.1. Site not stated. Similar shape seen in Naqada II 5 (see p. 118). UC6344, Petrie Museum.



Plate 7.2. Site not stated. Similar to Naqada II 14 (see p. 123). UC6335, Petrie Museum.



Plate 7.3. Naqada. Similar shape seen in Naqada II 4 and 17 (see pp. 117 and 124). UC4242, Petrie Museum.

## Lower Egyptian Culture, Representative Examples

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Plate 8.1. Tell el Farkha. Similar to Lower Egyptian Culture 5 (see p. 150). Photo courtesy of Mariusz Jucha.



Plate 8.2. Tell el Farkha. Similar to Lower Egyptian Culture 19–20 (see p. 154). Photo courtesy of Mariusz Jucha.



Plate 8.3. Tell el Farkha. Similar to Lower Egyptian Culture 19–20 (see p. 154). Photo courtesy of Mariusz Jucha.

