PRESTIGE GOODS AND SOCIO-POLITICAL COMPLEXITY AT MAPUNGUBWE

by

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Abstract

Trade and prestige goods have frequently been suggested as a source of elite power and change in socio-political complexity. This thesis will focus on the possible presence of the prestige goods system in the Mapungubwe society of the 13th century. Recent research has cast doubt on whether such a system existed and whether elites could exert so much control over trade (Moffett & Chirikure 2016). The value associated with goods typically interpreted as prestige goods, such as glass beads and metals used in adornment, have also been reinterpreted.

This dissertation aims to find out whether the glass beads and metals mentioned above have attributes that could belong to prestige goods and whether these artefacts match patterns of distribution that prestige goods would be associated with. Disk beads are also considered and compared to glass beads to find out whether there are clear differences in association with prestige. Change in value or prestige is also considered. The change and the prestige or value present at Mapungubwe is placed in the context of the larger Zimbabwe Culture. Artefacts are compared primarily across areas of the Mapungubwe site and then to other sites. Results indicate that some association existed between elites and larger quantities of glass beads, gold, and likely also with other metals of adornment containing copper and iron. It can therefore be inferred that elites had greater control over these goods than commoners had. All aspects of prestige goods systems, such as the storage of goods and their specific social use cannot be proven. However, the possibility still exists that the prestige goods system was present.

Keywords:

Mapungubwe, prestige, prestige goods system, trade-stimulus hypothesis, consumption, glass beads, shell disk beads, metals, copper, iron, gold, Shashe-Limpopo, the Zimbabwe Culture, elites, commoners, inequality, sources of elite power, social complexity

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Chapter 1: Introduction and Background

1.1 Background

Glass beads were likely the first trade goods from outside the continent and were first found in southern Africa around AD 750 (Wood 2011:26; Wilmsen 2017:915). These beads seem to have been imported to inland sites, such as Nqoma in what is now Botswana through Chibuene, and were probably manufactured in the Middle East (Wood 2011:26).While some form of exchange was likely practised by all societies, the archaeological study of trade has often connected the practice to the rise of social complexity and inequality (Renfrew 1975:4). Socio-political complexity is closely connected to the importance of prestige and the goods that might have been used to indicate prestige. In the past, socio-political complexity was frequently seen as reflected in the hierarchical organisation of societies (Fried 1960). Hierarchical societies rank members according to prestige and power. McIntosh (1999) and other authors criticise the predictable set of qualities tied to the concept of social complexity. McIntosh (1999:77) argues that complex societies are not always hierarchical. She also notes that political power and economic power do not always coincide (McIntosch 1999:6). Both McIntosh (1999:15) and Monroe (2013:20) find the source of much of African leaders' power in the use of religious authority (or expertise or roles) rather than enforcing certain laws or controlling people closely. Monroe (2013:29), however, notes that there are a variety of ways in which societies may be integrated and complex societies may be created. He notes specifically that leaders might obtain power by controlling followers and/or by involving them in systems of belief (Monroe 2013:20) in southern and East Africa. In his view, the key is to find out how leaders find a balance between hierarchical and heterarchical forms of power and how they use a combination of control and beliefs to organize societies.

Other, more material sources of power have been suggested for southern African and especially the Zimbabwe Culture societies, however.

The Zimbabwe Culture societies comprise the complex societies that emerged in the 13th century (Van Waarden 2011) and which could be found in eastern Botswana, Zimbabwe, northern South Africa, Mozambique and southern Zambia (Chirikure *et al.* 2013:342) . The term refers more to broad archaeological similarities than a unified culture (Chirikure *et al.* 2013:340, 342). The rise of the Zimbabwe Culture states after AD 1200 have also been connected to long-distance and regional trade systems (Huffman 1982:143; 2000:24; Hall 1987:89).

The prestige goods model is often used to explain how trade with distant communities would allow elites to acquire control over commoners and distant settlements (Huffman 1982a:143; 2000:24; Hall 1987:89; Calabrese 2005). The 'prestige goods system' here implies locally made or foreign goods that indicate prestige, or are perceived as conveying prestige, are controlled by elites, and in this way influence the trade and exchange networks in which they circulate (Friedman & Rowlands 1978:224, 225). These goods are to be discussed in more detail below.

Mapungubwe is at times regarded as the capital of the first state in southern Africa (Huffman 1982:144, 145; 2000) and is usually seen as a politically and economically important site in the 13th century (Van Waarden 2011:54). This site is located near the confluence of the Shashe and Limpopo rivers in northern South Africa (Jones 1937:11) in what is called the Shashe Limpopo Confluence Area, hereafter referred to as SLCA. At the site, glass beads, metals such as gold, copper, and iron, as well as thick occupational deposits seemed to attest to its importance as well as the presence of long distance and regional trade links (Meyer 1998:213–215). The discovery of finely-made pottery, ceramic figurines, disk beads, and signs of metalwork at the site further support these conclusions (Meyer 1998:195–205). The perception of separate elite and commoner areas has promoted the idea that class differences existed at the site (Huffman 2000). This site is therefore well-suited to consideration of the presence or absence of prestige goods.

In this chapter, a short discussion of the background of Mapungubwe and the groups of settlements in the Shashe Limpopo Confluence Area (SLCA) is provided. The emergence of the Zimbabwe Culture states is noted, and then the research on the prestige goods system at the Zimbabwe Culture sites is discussed. After a clarification of the research focus, research questions, aims, and objectives are provided. The methods chosen to answer these questions and achieve these goals are indicated, and a summary of how chapters will be organized is provided. The significance of this research in the archaeology of southern African farming societies is indicated at the end of the chapter.

1.2 History of the SLCA and the Mapungubwe site

The first inhabitants of the SLCA were foragers, who lived in open-air settlements and rock shelters (Forssman 2010). Habitation in the SLCA began in the 10th millennium BC (Van Doornum 2008:257), and foragers might have been present until the 19th century (Hall & Smith 2000:31).

Geometric rock art (Hall & Smith 2000:31, 42; Smith & Ouzman 2004), bambata pottery, and faunal remains (Hall & Smith 2000:32) indicate the presence of herders in the Greater Mapungubwe Landscape (GML). The GML includes sites in eastern Botswana, south-western Zimbabwe, and the northernmost part of South Africa (Forssman 2014:182). If herders continued to occupy the area, they may have been present in the time of Mapungubwe's occupation. Forssman (2010) notes that foragers in the area adapted patterns of mobility to the presence of farming sites. He notes that open-air sites were made close to farming sites, to allow interaction during certain periods and movement away in other periods (Forssman 2010). It is clear that foragers interacted with later farmer occupants, and it is also possible that foragers became drawn into Mapungubwe society (Forssman 2013:78).

The first farmers to reach the Mapungubwe site itself were Happy Rest and Mzonjani ceramic-making groups (Huffman 1989; Van der Walt 2012:17). At around AD 500 to 700 settlements like Schroda (Figure 1.1) are inhabited by the makers of Zhizo ceramics (Hanisch 1980: 225). Schroda provided evidence for long-distance trade of ivory objects and glass beads (Hanisch 1980: 225). Other settlements included Leokwe (Calabrese 2000) and Pont Drift (Hanisch 1980:230) (Fig 1). Settlements on the other side of the Limpopo River, such as Megwe, and perhaps even sites in the Tuli-circle, had occupations that continued into later periods (Manyanga 2006:130; Mothulatshipi 2008:197). These sites were interpreted as commoner occupations by Mothulatshipi's (2008:120) and may have been built on hills to stay out of reach of the Shashe River's floods.

At the end of the first millennium AD, Leopard's Kopje groups moved into the SLCA (Huffman 2007:371; Robinson 1966). These groups settled at sites like K2 (Figure 1.1), Pont Drift, and Leokwe Hill (Figure 1.1). K2 was situated close to Bambandyanalo Hill, near the confluence of the Shashe and Limpopo Rivers and about a kilometre away from Mapungubwe (Meyer 1998:6).

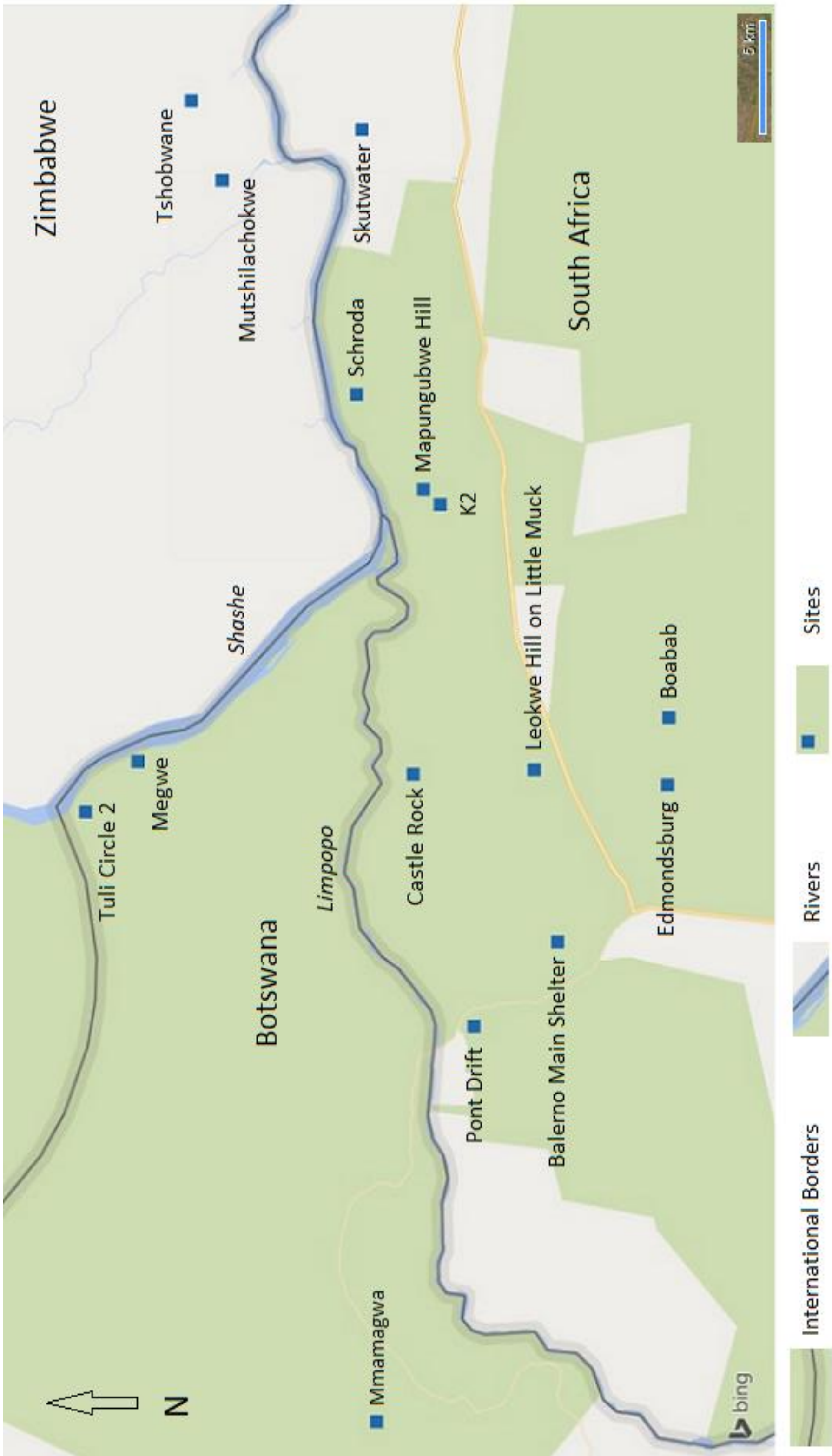


Figure 1.1: Sites near Mapungubwe mentioned in the text. (Figure courtesy of A.F. Boot.)

The largest settlements in the region, like K2 and Mapela Hill, for instance, seemed to be led by Leopard's Kopje groups (Huffman 2009; Chirikure *et al.* 2014; House

2016). Other Leopard's Kopje settlements near the Shashe Limpopo Confluence at the time of K2, Mapungubwe, and Zimbabwe were: Mutshilachokwe, Tshobwane, and Mtao village 16 (Manyanga 2006:150). Meyer (1998:6) described K2 as a central homestead, kraal, and court, roughly in the middle of the valley, with other homesteads around it. A small settlement was built on and below Mapungubwe Hill after AD 1033 (Meyer 1998:182).

Huffman (2000:20) argues that a large court midden indicated a leader with many followers. K2 was settled for about 190 years and, in that time, the court midden grew so large that it covered most of the kraal. By AD 1080, cattle had to be moved out of the centre of the settlement (Meyer 1998:182; Huffman 2000:20). Cattle, metals and imported glass beads were already being traded by inhabitants at this time (Huffman 2000:24). While K2 society was probably divided according to hierarchies and lineages since its establishment, it is likely that more permanent class structures now divided the inhabitants of the site (Huffman 2000:21). Huffman (2000:22-23) argues that differences in settlement sizes, that seemed to place Mapungubwe at the top of a five-level-hierarchy could indicate Mapungubwe's control over 30 000 km^2 and therefore a state society.

The possible causes of these changes include the control of prestige goods by elites and therefore the creation of a prestige good system and the importance of trade (Huffman 1982b:143; Hall 1987:89; Calabrese 2005:65), the move by K2 or Mapungubwe's rulers to control rainmaking at Mapungubwe (Huffman 2000:14, 15, 26), broader changes in belief systems (Pwiti 1996; Moffett and Chirikure 2016:370, 371), as well as growing cattle herds (Garlake 1978; Pwiti 1991) and peer-polity interaction (Chirikure, Manyanga, *et al.* 2013; Chirikure *et al.* 2016).

By AD 1220, K2 became depopulated and the small settlement at Mapungubwe (Figure 1.1) grew (Meyer 1998:263). This new settlement allowed elites to inhabit Mapungubwe Hill and commoners to live below it (Huffman 1982b:143).

Mapungubwe Hill is a 300m long, 30m high sandstone hill that is almost horizontal at its top (Meyer 1998:5, 6). Its cliff edges are surrounded by lower, more gradual slopes (Meyer 1998:5). The area at the foot of the southern slopes of the Hill, or Mapungubwe Southern Terrace (MST), was likely inhabited by commoners (Huffman 2000:21). With the expansion of the settlement, commoners also began to use areas like the North-Eastern Terrace (NET) on the other side of the Hill (Meyer 1998:5).

After and possibly during Mapungubwe's prominence, other settlements began to grow, extend their power, and become the capitals of states. Great Zimbabwe eventually became powerful as did Khami, Mutapa, and the Torwa-Changamire state (Chirikure *et al.* 2012; Chirikure *et al.* 2013).

1.3 Prestige goods model in archaeology

Within the archaeological focus on economy, there are different models that attempt to predict trade and exchange. Exchange in this sense may also refer to the giving of gifts (Polanyi 1957:262). One of these models, called 'the prestige goods system' by Friedman & Rowlands (1978:224), describes the exchange of very specific valuable gifts to acquire prestige and control over followers. In the larger prestige goods economy, a hierarchy of elites forms, where the more powerful elites control access to foreign or locally produced prestige goods (Friedman & Rowlands 1978:224). Followers or commoners obtain access to prestige goods through elites and often through alliances of marriage (Friedman & Rowlands1978:225). In local exchanges, these goods are used in practices and ceremonies with social or spiritual significance, such as marriages or funerals (Friedman & Rowlands1978:224). Elites then obtain taxes or tribute in return for these goods (Friedman & Rowlands1978:225). This system allows for the expansion of societies beyond old borders and creates a sudden growth in craft production for trade and an intensification of foreign trade (Friedman & Rowlands1978:224, 225). Clear settlement hierarchies also characterise this system (Friedman & Rowlands1978:225).

Ekholm (1978:120) argues that Central African societies, such as the Kongo Kingdom, utilized prestige goods and society was organised in a hierarchical way. Leaders redistributed goods that could also be used as bride price (Ekholm 1978:120).

Junker (1994:236) notes the settlement hierarchies in the Bais region of the Philippine islands. These settlements were trading “luxury goods” (Junker 1994:343, 251) with areas on the Asian mainland and specifically China (Junker 1994:292). Junker (1994:251) cites trade in foreign goods, local craft work, and subsistence production, as important factors in the support of political power between the 6th and 16th century.

Prestige goods, or prestige “articles”, are often described as goods that impart prestige and are used to maintain economies such as the ones described above (Ekholm 1978:120). While the model of the use of prestige goods in states has been provided here, other models might be applicable to the use of prestige goods in other societies. Hayden (1998:15,16), for instance, argues that people from the European Upper Palaeolithic used prestige goods.

1.4 The prestige goods model in the Zimbabwe Culture

The prestige goods model has been proposed to explain the acquisition of elite power in the SLCA. Huffman (1982a:143) argues that control of trade networks before about AD 1200 meant that elites could store wealth in ivory and glass beads. He argues that cattle would have to be loaned and given away to maintain alliances (Huffman 1982a:143). Elites were therefore able to gain prestige and wealth, without harming the economic base of the society (Huffman 1982a:143). While he does not expressly provide the prestige goods model as an explanation for this system, the importance of elite control over regional and long-distance trade networks is clear (Huffman 1982a). Hall (1987:89) supported this argument and suggested that the important difference between the keeping of cattle and the accumulation of foreign goods was that foreign goods were not renewable resources. He suggested that renewable goods such as cattle could increase quickly and could also provide lower ranking members of society with ways to gain familial ties and clients, and therefore help them to obtain more power and greater numbers of dependents (Hall 1987:89).

Subsequent researchers who supported these views often focused on specific artefact categories. Wood (2011a:39), for example, emphasised the increase in glass beads before and after what is often termed the K2 Period. She noted that, in Schroda's time, the disparity between higher-ranking ownership of glass beads and lower-ranking ownership of glass beads was much smaller than at K2 and Mapungubwe (Wood 2011b:39; Sinclair *et al.* 2012:743). Wood (2011) also focused on whether glass beads were prestige goods and how they might be interpreted (Wood 2011:38-39, 46-48).

Calabrese (2005) provides the clearest application of the prestige goods model to sites from the SLCA. He argues that this trade in prestige goods happened particularly through the giving of prestige goods as gifts (Calabrese 2005:65). Calabrese (2005:63) uses Mauss' (1969) concept of "aggressive prestation" to indicate how elites might give valuable prestige goods and incur debts from commoners who could not reciprocate with equally valuable gifts. This would allow elites to obtain labour and taxes from commoners (Calabrese 2005:348). Unlike Huffman (1982) and Hall

(1987), he does not argue that the storage of prestige goods creates class differences (Calabrese 2005:64–65). Prestige goods were supposed to be used and given away to signify power and spread the influence of elites (Calabrese 2005:65). Calabrese (2005:66, 358–360) interestingly points out that the consumption of cattle can also be used alongside prestige goods to signify prestige and cattle were more likely used for bride prices than prestige goods like glass beads. He identifies other items that could be part of the trade in the prestige goods, including glass beads, non-utilitarian or metal items, cloth, exotic porcelain, and animal hides (Calabrese 2005:63, 64). The term non-utilitarian simply refers to items of adornment.

Wilmsen (2009) argues for the locally created value of exchange artefacts, like beads based on origin myths that highlight the impact of beads on a person's prestige. He argues that similarities between myths present at Polombwe hill in Ulungu at the southern tip of Lake Tanganyika in Zambia, the Tsodilo Hills in north-western Botswana, and the Mwari cult from western Zimbabwe indicate the rights of possession held by societies in the area (Wilmsen 2009:264). He then cites the Ulungu myth to indicate the importance of goods like glass beads in creating prestige for the wearer (Wilmsen 2009:270). He notes that according to the myth, Mwenya Mukulu, a daughter of the first ancestors associated with the origin of societies in the area, was able to take over a local headman's position, because of the "brilliance" of her beads (Wilmsen 2009a:271). He argues that, in this myth, the effect of beads on Mwenya's prestige and political power is derived from the value ascribed to these items by surrounding society (Wilmsen 2017:915).

The other aspect that would influence the value of beads is the cost of production and transport. Wilmsen argues that this would provide a minimum exchange value for trade inland (Wilmsen 2009:270). He does, however, note the importance of local demand and different regimes of value that influence the eventual exchange of these artefacts. He argues, for example, that the much earlier 8th-century presence of Zhizo beads at sites like Nqoma in Botswana than at 10th-century sites in the Shashe Limpopo region like Schroda also indicates different systems of value (Wilmsen 2017:917). The most likely site of the import of Zhizo beads into the southern African region is at Chibuene (Wood *et al.* 2012). This means that sites closer to the port of entry of Zhizo beads did not provide any of these beads, while sites much further away did (Wilmsen 2017:916). Wilmsen (2017), therefore, believes that there was no demand for these beads in the Shashe-Limpopo region.

He is also of the opinion that trade goods would confer prestige and would be a valuable tool in the hands of elites (Wilmsen 2009a:271). He argues that eventual elites may have used political and religious beliefs to retain control over more beads for their families.

Other archaeologists have argued against the sole importance of trade and therefore the prestige goods model as main influence and have emphasised the local factors that lead to the rise of states in the Middle Iron Age. Garlake (1978:493), for instance, argued that settlements relied on a combination of farming, cattle herding, gold production, and long-distance trade. At sites like Manyikeni in Mozambique, it is evident that cattle played a very important role within the economy, and that they were bred to create a surplus (Garlake 1978:483). Often, these cattle were consumed at the site (Garlake 1978:483), which is in contrast to other sites where cattle where mainly used to indicate wealth.

Pwiti (1991) seems to agree with the importance of external trade and the importance of the external trade in valuables, but still draws attention to the importance of cattle keeping. He argues that cattle herding supported the growth of communities in southern Africa and that social change was accelerated by long-distance trade (Pwiti 1991:128).

Moffet and Chirikure (2016) have critiqued the application of the prestige goods model on southern African Iron Age societies. They rely on documentary and oral historical data of the Mutapa and Torwa-Changamire states to compare inferences about the earlier Zimbabwe Culture states (Moffett & Chirikure 2016). Moffett and Chirikure (2016) therefore suggest that livestock, land, central positions in religious practices, and enterprising use of followers and resources would provide a much more stable basis to create differentiation in society. They further argue that goods like glass beads and metals were not specifically associated with prestige (Moffet & Chirikure 2016). Moffet and Chirikure (2016) emphasise the social and symbolic value of artefacts like glass beads. These beads were used in jewellery and beadwork on items such as aprons (Moffett & Chirikure 2016:354). They could be closely linked to identity, social roles, and transitions. In burials beads might have been used to reflect the transition from mortal to ancestor (Moffett & Chirikure 2016:354). Moffet and Chirikure (2016:354) further point out that glass beads had been worn by members of all classes in recent times. They especially note the distribution of glass beads that do not seem to indicate the presence of a prestige goods system (Moffett & Chirikure 2016:367, 369). Glass beads are present at commoner and forager sites (Moffett & Chirikure 2016:367), and no clear storage spaces have ever been found for glass beads (Moffett & Chirikure 2016:369). In terms of metals, they argue that the high value inferred for gold may simply reflect a focus on elite areas and lack of knowledge surrounding the quantities of gold at commoner areas (Moffett &

Chirikure 2016:356). They point out that commoners would have mined gold and could have traded gold dust (Moffett & Chirikure 2016:356).

1.5 Statement of the problem

While these critiques may make sense for the economies of many of the Zimbabwe Culture sites, their applicability to specific sites, such as Mapungubwe, also needs to be considered. Many of the settlements are separated by time, space, and probably social practices (Chirikure, *et al.* 2013). Herbert (1996:642) notes that gold was found less often at Great Zimbabwe. She believes that if looting were to blame for the smaller quantity of gold, some of the looted gold would have been found or reported by now (Herbert 1996:642). This leads her to surmise that Mapungubwe's high valuation of gold could be the exception among the Zimbabwe Culture societies (Herbert 1996:642).

However, Moffet and Chirikure's (2016) assertion that goods with very changeable value would be difficult to use to support inequality needs to be considered. Another aspect to consider in the initial stages of the analysis is that, if little value was in fact attached to goods hitherto associated with prestige, it is possible that these were not prestige goods and that no prestige goods system were present.

A reconsideration of the evidence for prestige goods at Mapungubwe and a clearer comparison between parts of the site is necessary. My research compared artefacts traditionally considered prestige goods from excavations at MST (Mapungubwe Southern Terrace) and at NET (North-Eastern Terrace), with artefacts from the excavations on Mapungubwe Hill. This information was further placed in a more immediate context of sites within 25km of Mapungubwe, as well as a larger context that includes the other Zimbabwe Culture settlements.

Wood (2011)'s thesis grappled with many of the same concepts. Her focus was specifically on trade and trade networks and the way eastern Africa, southern Africa, and the Indian Ocean where connected through these networks (Wood 2011:13). Wood (2011:13) was able to develop a bead series classification for southern Africa that extended from the 7th century to the 16th century AD. In her section discussing the archaeological theory on the social, economic, and political aspects that allowed the emergence of social complexity, she focuses on the prestige goods model and on metals and glass beads as prestige goods (Wood 2011:13, 37, 47). She notes that, despite the absence of other goods that were valuable in the Indian Ocean network or that might seem valuable in Western cultures, beads are found in large quantities in the southern African interior (Wood 2011a:47).

1.6 Research questions and objectives

The broader aim of this study is to assess the prestige goods model at Mapungubwe by considering artefacts often identified as prestige items. This is done by comparing commoner and elite contexts at the site. The study is guided by the following research questions:

1. Do metals and glass beads at Mapungubwe meet the requirements of prestige goods?

Chapter 2 examines the concept of prestige goods and the prestige goods system. Here, the characteristics of prestige goods and the larger prestige goods system are noted. An attempt is also made to indicate which items should not be considered prestige goods and which artefacts may be difficult to clearly identify as prestige goods.

2. Do the metals and glass beads at Mapungubwe match patterns synonymous with prestige goods?

This question is relevant because artefacts could be used as prestige goods in other parts of the world, without necessarily having been used as prestige goods at the Mapungubwe site. Artefacts may also have had different values, and some may have been prestige goods, but not others. Therefore, the distribution of glass beads at MST is compared to their distribution at Mapungubwe Hill, by comparing abundance (beads/m^3), series, and colour. The types of metal artefacts (e.g. helices/coils, beads, spatulate objects) are also compared, using both the author's and Miller's (n.d.) analyses on the site. Other artefacts and locations at the site will also help to indicate whether artefacts can be associated with prestige or not.

3. How do shell disk beads compare with glass beads?

Shell disk beads are found in both elite areas such as Mapungubwe and commoner areas such as MST or Edmondsburg (Figure 1.1) in the SLCA. Hall and Smith (2000:36) note that large quantities of disk beads and their different types of raw material might indicate prestige at sites like Schroda. Calabrese (2005:82), on the other hand, argues that aspects like raw material are too easily influenced by the availability of material and therefore by the environment. He also argued that they did not indicate the appropriation of a surplus through trade or production (Calabrese 2005:82). Considering that glass beads already do not reflect whole pieces of beadwork (Moffett & Chirikure 2016:356), disk beads may also help to present a slightly more realistic sense of the proportions in which disk beads and glass beads were used. These artefacts are often referred to simply as disk beads in the text, but this should not be taken to refer to glass beads with a disk shape.

4. Could items change in value because their prestige (or local value) changed?

Different factors influence the prestige items may have. Models that infer prestige based on cost signals (Zahavi 1975; Quinn 2015) or honest signals of skill and knowledge (Henrich & Gil-White 2001; Plourde 2008) indicate that aspects such as rarity and skill in acquirement may influence the prestige attached to artefacts. Change in these factors could, therefore, influence change in the value and prestige associated with artefacts. While items may still have values important in social settings and exchanges, the number of items required might change. This question may also shed further light on Moffet and Chirikure's (2016) assertion that the exchange value of prestige objects could change too quickly to provide stable support to elite power. Could items that are less rare, for instance, be less prestigious and therefore less valuable? Does this support Moffet and Chirikure's (2016) assertion that value could change too quickly to support elite power?

5. How do prestige and value at Mapungubwe, therefore, fit into prestige and value in the larger region?

Literature on contemporary sites in the SLCA and on the Zimbabwe Culture sites is used understand the finds from Mapungubwe.

These research questions will be answered by pursuing the following objectives:

1. To provide archaeological background information of the Mapungubwe site and the ways in which the prestige goods model was applied to the site.
2. To find appropriate methods to consider qualities that might indicate prestige.
3. To use archival records to gather information about types of space in the squares I have chosen to study.

4. To compare differing abundance of glass and shell disk beads, as well as the density of metal, and to focus on other qualitative aspects such as bead series that might indicate differences in prestige.

1.7 Outline of the dissertation

In Chapter 2, the conceptual framework for this study, as well as the methodology that was followed, will be provided. In the first section, the methodology was discussed. This section was divided into motivation, data sources, and storage. In the motivation, it is indicated how the archaeological literature (and conceptual framework) lead to the methods of analysis that was chosen and what could be learnt from other studies of consumption and access. It is then indicated which measuring units and methods of analysis were used. Then, the sources of data, including archival material and data from other researchers, are noted and discussed, and the institutions and collections that hold the material used for this study are discussed.

The conceptual framework for this study is presented by mentioning global theories of prestige and African applications of these theories. The application of theories to this study is the focus of the next sections. Then, the qualities associated with prestige goods are discussed and are used to identify possible prestige goods.

Chapter 3 provides a short history of excavations and the location of these excavations at Mapungubwe. This section is divided into the initial excavations and the excavations after 1971. Next, sampling and the way the author chose the excavations that the archaeological material came from will be discussed. Excavations from MST that were mainly documented on archival documents, such as reports, and field notes are then reviewed, and phases and dating of the site is considered. Thereafter, soil volumes are provided for phases of each excavation, and the chapter’s information is summarized. Sites used for comparison with Mapungubwe are also discussed in this chapter, and reference is made to the reasons for choosing these sites.

In the next Chapter (4), the results of this study are presented and discussed in further detail. In the results section glass beads, shell disk beads and non-utilitarian metals are compared in terms of quantity per soil (abundance or density) between MK1 and MST. Other attributes of artefacts (such as glass bead series) are also considered to understand whether any of these attributes are more closely connected to prestige than others. These artefacts are also compared across sites from the SLCA or nearby.

The discussion section of this chapter then compares glass beads and non-utilitarian metals to theories that explain the effect of prestige goods on inequality and society. Disk beads are also compared to these theories, even though they seem less likely to have been prestige goods. To understand the models that could be applied to the site these comparisons are further discussed after their individual discussions. Possible change in the value of these artefacts at the Mapungubwe site is explored next, and findings are placed in the larger Zimbabwe Culture context.

Chapter 5 offers an evaluation of the answers to the research questions and objectives, and then notes the limitations that affected the study and how they were dealt with. Recommendations for future research are then offered.

1.8 Significance of the study

Ancient economies and social complexity have often been studied alongside each other (Renfrew 1975:4). In southern Africa, trade and, more specifically, the prestige goods system have been used to account for the rise of the archaic state. Archaeologists such as Huffman (1982:143; 2000:24), Hall (1987:98), Calabrese (2005), Wood (2011), and Wilmsen (2009; 2014; 2017) have approached the application of the prestige goods model to the rise of states in southern Africa. Some authors (e.g. Pikirayi 2017) have referred to trade rather than to the prestige goods system as set forth by Friedman & Rowlands (1978), but findings may be applied to the prestige goods system as well.

On the other hand, factors such as religious leadership and ideology (Pwiti 1996; Moffett & Chirikure 2016), strategic decision-making (Moffett & Chirikure 2016), and the creation of cattle herds that provided surplus wealth (Garlake 1978; Pwiti 1991; Moffett and Chirikure 2016) may have been more important than artefacts that indicated prestige.

The presence of the prestige goods system at Mapungubwe is presented in this study by comparing artefacts traditionally associated with prestige found in commoner and elite contexts at Mapungubwe. The findings are understood in a broader context of the SLCA and where possible, the Zimbabwe Culture. This research allows a re-examination of the prestige goods model in Zimbabwe Culture societies. This study provides a small portion of evidence to consider whether or not it is valid at Mapungubwe.

The next chapter will provide further information on the broader methods used to answer the questions provided in the chapter and will discuss several variations of models of the functioning of prestige goods.

Chapter 2: Conceptual Framework and Methodological Approaches

2.1 Introduction

Prestige goods offer only one of the avenues through which inequality may be created. Earle (1987:5–6) notes the part played by military control and ideology alongside economic power in creating societies where power is unequal and institutionalised and based on one's place in the kinship structure. Others, such as Hayden (1998), have argued for the combined use of various methods to create inequality. For the SLCA and the Zimbabwe Culture sites in general, different signs of inequality (Manyanga 2006:216) and sources of inequality (Hall 1987; Huffman 2000; Manyanga 2006:217) have been considered. This study, however, focuses mainly on whether prestige goods were present at Mapungubwe, and, if so, what part they played in society. This chapter is divided into two sections, the first indicating the methods chosen to analyse artefacts and the second providing the conceptual background for the interpretation of the analysis. Approaches beyond the prestige goods economy are discussed to indicate that, in the absence of the aforementioned system, prestige goods could still influence inequality. Useful aspects and limitations of each of the approaches or models will be indicated. In the methodology section, the author's approach to studying consumption and prestige is indicated, and is followed by an explanation of the artefacts chosen for analysis and the methods chosen to conduct this analysis.

This dissertation is aimed at assessing whether certain artefacts might be prestige goods and investigating which models describe the way prestige goods functioned (if they were present at all).

2.2 Previous approaches and current analysis

Consumption could be defined as one of the stages an artefact can go through and as "the reliance on goods manufactured by others" (Mullins 2011:4), but consumption could also be defined as the way people "socialise material goods" (Mullins 2011:3).

Chirikure *et al.* (2018:1072) argue that the distribution of trade goods should be inferred as access to goods, rather than as ownership, since goods might be used by dependants instead of owners. Within a homestead, members should have roughly the same access to goods in comparison to other homesteads (Chirikure *et al.* 2018:1072).

Archaeologists such as Sidrys (1976) have tried to study consumption and access to certain goods at Mayan sites to ascertain whether and when obsidian was used as a prestige good. Sidrys (1976) also used data from several excavations and calculated the quantity of artefacts per metre soil.

He found that obsidian was indeed used as a prestige good between 300 BC and AD 600 (Sidrys 1976:460). His work has been criticised for various reasons. There was uncertainty regarding soil volumes and different recovery strategies at different sites. In addition, all the different types of context at the site were not sampled, and good dates were not present for different sites (Cessford & Carter 2005:306). His method may, however, serve as a good example of a way that the consumption and prestige of artefacts can be studied.

In southern Africa, Calabrese (2005; 2000) also used quantity per metre (as abundance and density) to evaluate the access to certain goods in the SLCA, and specifically Leokwe Hill, in the K2 and early Mapungubwe Period. Wood (2005:106) recommends noting the ratio of beads to soil whenever viable. This would allow one to compare across squares and contexts of different sizes with a less biased indication of bead quantity.

2.2.1 Methods of analysis

To differentiate between weight per metre of soil and number of artefacts per metre of soil, the term “abundance” is used. Calabrese (2005) used the term “abundance” for artefacts per metre and the term “density” for weight per metre of soil. For the sake of comparison, the same terms will be used. Glass and disk beads were compared in terms of abundance, or number of beads per $1m^3$ of soil, and metals were compared in terms of density, or weight (in grams), of metal per $1m^3$ of soil. These measurements seemed the best way to compare lightweight artefacts, such as beads, and artefacts that were fragmented and had different sizes, such as metals. Glass beads were further analysed according to series and, if helpful, colour. This was done to ascertain whether certain types of beads were more closely associated with prestige than others. Disk beads were analysed according to raw material, size, and shape for the same reason. Non-utilitarian metals were analysed by metal type or by the metal it contained in the highest quantity.

The Pearson’s Chi-Squared test was used in Chapter 4 to indicate whether differences between the distribution over time of glass beads and some non-utilitarian metals at Mapungubwe Hill and MST were significant. Because the sample size was so small and distribution was not normal, a T-test was not used to indicate significance of differences.

Where graphs are presented, only categories that accounted for more than 5% of beads per phase, square, area, or site were noted. This was done to facilitate the interpretation of these graphs. Because Coetzer and Sentker (1954:4) sieved all soil through a 3,18mm size mesh sieve, but only half of the soil through a 0,16mm size mesh sieve, second values were calculated for A2 and C2 that compensate for this occurrence. To obtain a more accurate reflection of the abundance of beads from these squares, the number of beads smaller than 3.18mm was doubled, and this number was divided by the soil volume. Because these are not real bead quantities, the original quantity and abundance is included as well.

Eloff and Meyer used mosquito nets to sieve all soil (Meyer, pers. comm. 2019). Mosquito netting websites, such as All Mosquito Netting Info, state that, to combat malaria, mesh openings of 1.2mm by 1.2mm are usually used (Mosquito Netting Criteria n.d.), and the Malaria Consortium (2019) recommends mesh sizes of 1.5–2mm. Beads of roughly the same sizes should therefore have been collected from Coetzer and Sentker's and Eloff and Meyer's squares.

2.2.2 Indicators of prestige at sites

Because the excavation of Mapungubwe took place over so many years, information on the site is often in different formats. Field notes and reports (Sentker 1953, 1954; Eloff 1978, 1980) from the Mapungubwe Archives at the University of Pretoria, as well as published material (Eloff 1979; Meyer 1998), have provided information on the features and excavations of the Mapungubwe site. Features were interpreted through ethnographic sources such as Meyer and Cloete's (2010) interpretation of Mapungubwe architectural features through comparisons with Venda architecture.

The more large-scale features of sites that played a part in identifying elite areas include the presence of some parts of a settlement at a greater elevation than other parts of the settlement. Chirikure *et al.* (2016:79) note the presence of this association but also note that the difference in elevation does not impart prestige to rulers or their families. They observe further that it is the ruler that gives prestige to the hill and not the other way around (Chirikure *et al.* 201 6:76). Hills might not remain permanently settled by rulers either. Historians, such as Beach (1998), and archaeologists such as Chirikure and Pikirayi (2008) have argued that the Hill at Great Zimbabwe was not continuously inhabited by rulers and that other enclosures at the site were built for later rulers.

The other important aspect was the size of the site or even evidence of its growth. Miers and Kopytoff (1979) have shown that the most important form of wealth in African societies has frequently been wealth in people. These authors make it clear that collecting followers and dependants are what provides the benefits (e.g. security, comfort, power) that collecting material wealth might bring in other societies (Miers and Kopytoff 1979). In this sensethe possession of wives, children, clients, subjects and slaves all increase the wealth of a leader (Guyer 1993:244).

Wealth in people and power in social relations seem to have been important in the Torwa-Changamire as well as Mutapa state (Chirikure *et al.* 2016:359). It is therefore very likely that the Zimbabwe Culture societies before AD 1500, like societies in other parts of the continent, placed the highest value on people. The leader of a settlement with many followers, or the leader of a settlement that experienced growth in the number of followers, might therefore be a more important leader. Huffman (1986:282) argues this point by positing that Middle Iron Age societies would have functioned like historical societies and that larger herds of cattle, more wives, and more fields would result in leaders having larger settlements. Like elevation, this indicator might not be absolute but should be an important indicator of prestige.

2.2.3 Other indicators of prestige

Cloth is frequently cited as an article that may have had prestige value (Huffman 1972; Calabrese 2005:352; Hall 1987:89). It was likely imported as well as locally made (Huffman 1972). Because it is so rarely preserved in the archaeological record, cloth is very difficult to study. What can be found, however, are the spindle whorls that were likely used to manufacture thread or yarn. While spindle whorls will not be analysed for this dissertation, they will be considered as signs of cloth manufacture and the possible presence of prestige goods. Spindle whorls may be made of wood, stone, or even tortoise plastron (Antonites 2019:109).

Other small artefacts that might have been used to indicate prestige include cowrie shells, as used among the Venda (Stayt 1968:25–26) and Shona (Moffett & Chirikure 2016:338) in ways that suggest status. Because limited time is available and none of these artefacts were made available by Meyer (1998) or Eloff (1979), these artefacts were not a focus in this dissertation.

Meyer (1998) mentions that, during the Mapungubwe period, the quality of pottery improved and that certain types of ceramic containers are found more frequently on Mapungubwe Hill, an elite area. This might suggest that pottery could be a marker of prestige. The analysis of ceramics, would however, have been a very time-consuming process and could have been the focus of an entire dissertation. Therefore, ceramics are not discussed as possible prestige goods in this dissertation. Imported ceramics are noted where they seem relevant, however.

Another frequently mentioned indicator of prestige and possible source of cumulative wealth is cattle. While no faunal analysis was conducted for this study, the work of others will be used to inform the way findings are placed in context. Cattle are frequently understood as part of social transactions, such as the payment of bride prices (Voight 1978: 322; Calabrese 2005:358-359).

2.3 Possible problems: Taphonomic and collection-based factors

Factors that influenced the presence of artefacts in the archaeological context at Mapungubwe include animal burrowing and possible looting. Where it was noted that animal burrowing affected finds, these were left out of consideration. It is for this reason that H9, I10, and I11 were not used to estimate artefact numbers. Eloff (1978:4, 5, 7) notes that animal burrowing may have intermingled surface finds with earlier finds. Erosion at Mapungubwe may also have played a part in the loss of artefacts from Mapungubwe Hill. Fouché (1937:1) notes that some erosion seemed to have occurred after heavy rains, and Wintjes (2017:53) therefore surmises that erosion may have been exacerbated by earlier excavators' work.

On the other hand, there is documentation of the removal of artefacts before the official excavation of the Mapungubwe site, and there are rumours that confirm this (Tiley-Nel 2011:67). Fouché noted signs of disturbances in the soil, and Tiley-Nel (2011:182) suggests that this was a result of Baron Von Leesen, A. Papendorf, and Barend Lottering's prospecting at the site. In a 1928 affidavit, Von Leesen and his team recorded that they collected several pots, pottery, and iron fragments from Mapungubwe Hill (Tiley-Nel 2011:182). They might therefore also have taken glass beads or gold artefacts, although this was not reported. Leo Frobenius and others were also in the vicinity of Mapungubwe's in 1928, and it seems that they excavated some parts of the site (Wintjes 2017). Two trenches were excavated on Mapungubwe Summit, and other excavations were done near two mounds (SM1 and SM2, also called 2229AB35 and 2229AB98 respectively). Khami and 18^{th}–19^{th}-century Babirwa archaeological material was found near mounds (Wintjes 2017:55), and ceramics and other archaeological material were found on the Hill (Wintjes 2017:52). No gold seems to have been removed (Wintjes 2017:52). Wintjes believes that most looting would have taken place between Frobenius' visit to the site and Fouche's excavations, over a period of roughly five years (Wintjes 2017:55). It is also rumoured that some gold pieces were removed without being recorded during the initial excavation by Van Graan, the Van der Walts, and others (Tiley-Nel 2011:182). There are also rumours that some members of later excavations stole a tin of gold beads or a gold ring (Tiley-Nel 2011:182). It therefore seems particularly likely that gold has been affected by looting. However, it is unlikely that deeper stratigraphic layers would have been affected by this, and such disturbances would be visible in the stratigraphy.

When collections are considered, the storage of artefacts needs to be taken into account. Professor Andrie Meyer (2016, pers. comm.), who excavated some of the material analysed for this dissertation, was consulted, and he said that he did not believe any of the materials from his excavations went to the University of the Witwatersrand, but other that artefacts were stored by the Department of Anthropology and Archaeology or were placed in the Mapungubwe Museum. It is known that some of the Mapungubwe gold artefacts are in Cape Town, but none of these artefacts from the excavations were chosen for more detailed analysis in this study. The Mapungubwe collection was initially the responsibility of the Mapungubwe Committee and was placed under the care of the Transvaal Museum (Tiley-Nel 2011:185). Some gold artefacts were, however, placed in the Royal Mint's care, and others were placed in the University of Pretoria's safe. Later, gold was moved to a safety deposit box in a bank (Tiley-Nel 2011:185). After further archaeological excavations, finds were kept at the University of Pretoria by the Department of Anthropology (Tiley-Nel 2011:187) and later by the Department of

Anthropology and Archaeology. Eventually, the collection from the Transvaal Museum was returned to the university and were placed in the Mapungubwe Museum of the University of Pretoria at the end of the 1990s (Tiley-Nel 2011:188). Gold artefacts had been returned to the University in the 1980s, and these were also placed in the Museum (Tiley-Nel 2011:188). After this point, the finds were more often displayed and exhibited in different parts of the country and the world (Tiley-Nel 2011:188). Up to 2011, finds from Mapungubwe had been part of 43 temporary exhibitions (Tiley-Nel 2011:188), and by now, that number should have increased. While there is a long history of the artefacts being moved between different storage areas, it is more likely that assemblages were affected at the site by previous removal of artefacts and by erosion. While upper layers were therefore likely affected by erosion, and some parts of the summit might have lost artefacts, no important disturbances were noted on MK1's surface.

2.3 Conceptual framework

2.3.1 Global theories of prestige

Models and approaches regarding the use of prestige goods to support or create socio-political inequality include the prestige goods economy model, Gosden's (2005) version of the agency of artefacts, and costly signalling theory (Grafen 1990; Plourde 2008; Zahavi 1975). Brumfiel and Earle (2008:2–4) have noted several ways that might exercise influence and control over resources to create and cement positions of power.

2.3.1The Prestige goods system in complex societies

Friedman and Rowlands' (1978:224) prestige goods system involves socially valuable goods that are exchanged with other societies as noted in Chapter 1. In a hierarchically complex society, this exchange is monopolised by elites (Friedman &

Rowlands1978:224). Elites distribute goods down the hierarchy in exchange for local products (Friedman & Rowlands1978:25). An archaeological example of this economic system includes societies north of the Alps between the 7th and 5th centuries BC (Rowlands & Frankenstein 1998:334). One of the sites excavated was the Heuneburg site in southern Germany. Rowlands and Frankenstein (1998) argue that the chiefs of the Heuneburg site maintained power through the prestige goods system. They argue that chiefs required a monopoly of trade on certain goods to retain power and that they needed to continue redistribution to retain the support of subordinates (Rowlands & Frankenstein 1998:339–340). In order to expand their power, chiefs needed to maintain their hold on the goods they already controlled and find new sources of foreign goods they could regulate (Rowlands & Frankenstein 1998:339). When chiefs lost this monopoly, subordinate chiefs would regain some of their independence (Rowlands & Frankenstein 1998:340). Chiefs, therefore, prefer using rare materials, because these are easier to gain enough control over (Rowlands & Frankenstein 1998:339).

Hierarchies are evident at burial sites (Rowlands & Frankenstein 1998:346–347) where certain grave goods, such as wagons and gold, are used only for specific burials (Rowlands & Frankenstein 1998:346–348). However, some grave goods, link back to local production, such as cloth and glass (Rowlands & Frankenstein 1998:351) and some are linked to more distant centres of production (Rowlands & Frankenstein 1998:347, 355). Here Rowlands and Frankenstein (1998) argue that societies managed to remain integrated because new centres would be drawn into the network and would vie for power with the leading centre.

2.3.3 Agency among people and artefacts

Agency is often defined as the effect of people or things on the social world, whether intentionally or unintentionally (e.g. Dornan 2002:325; Gosden 2005). Oka and Kusimba (2008:357), who view agency as the ability to act, highlight its effect on trade and on some of the political economies of ancient societies. While elites could exercise power over craftsmanship and the trade of prestige goods, traders and craftspeople were also able to exercise agency (Oka & Kusimba 2008:361, 362). Traders would, for instance, be specifically motivated to establish trade links with lower-ranking elites (Oka & Kusimba 2008:362). This would allow them more trade opportunities and, as Oka and Kusimba (2008:362) note, more freedom to conduct their business. At Mapungubwe, elites might therefore have found it difficult to monopolise or regulate trade with external societies. This places the applicability of models such as the prestige goods system in question.

However, it has been observed that craftspeople moved away when elites made their working conditions difficult (Oka & Kusimba 2008:362). Elites did not always closely control them, and sometimes their work was simply controlled on a household level (Oka & Kusimba 2008:361). This means that the inference that elites could control craft goods because craftspeople formed a separate subgroup within Mapungubwe society should be reconsidered. Craftwork at the household level would be more difficult to control closely.

By the 21st century, the focus on the agency of artefacts had been added to a focus on human agency. Gosden (2005) refers to the period between 150 BC and AD 200 and the Roman Empire's incorporation of Britain, and the ceramics found in these two areas, to explain concepts relating to the agency of artefacts. He argues, for instance, that objects made in similar styles influence people to work in or within these styles when they make new objects (Gosden 2005). Styles and types of objects, their change over the years, and the places from which they are thought to originate all have an influence (Gosden 2005:193). People require objects to sustain and improve their status in society (Gosden 2005:193).

Gosden’s (2005) view of agency and the foreign agency of artefacts suggests that the form, genealogy, and source of artefacts affect their creation and the influence they have on surrounding society. He argues that form influences people by dictating the way they use objects and by influencing the senses and emotions (Gosden 2005:193). Artefacts are shaped by human who are influenced by “stylistic universes” that dictate what an artefact may look like (Gosden 2005:128, 202). These “stylistic universes” also influence the perceived source of such an object (Gosden 2005:193). Gosden (2005:198), however, warns that a simplified view of sources might obscure the way artefacts are perceived. In Roman-era Britain, Samian ware (a red-gloss ware that was produced in moulds), were, for instance, manufactured in southern and central Gaul, and spread through the Roman Empire’s trade network (Gosden 2005:207). Archaeologists frequently interpret these artefacts as a sign of Roman influence (Gosden 2005:198). Gosden (2005:207), however, cautions that these artefacts might have entered local trade networks fairly quickly and might be understood as local product. These types of artefacts also replaced the uses of some other types of pottery and allowed new food preparation techniques (Gosden 2005:207). These ideas are useful when one considers Mapungubwe’s presence in a larger trade network and the emphasis placed on the exotic nature of certain goods in models that view glass beads as wealth. This model also speaks to the importation of new styles and ideas regarding value and may therefore be useful in understanding the new use of gold at Mapungubwe.

2.3.4 Costly signalling

To support approaches to prestige and prestige goods, costly signalling theory is considered. Costly signalling was derived from the handicap model created by Zahavi (1975). The handicap model deals with male animal signalling in order to attract mates. This model aims to explain why so much energy would be used in displays such as large tail feathers (Zahavi 1975:205). These adaptations are costly enough to male energy expenditure to deter males who were less fit from using too much energy on displays (Zahavi 1975). Females would, therefore, be able to interpret this as a signal of fitness, and the signal would be accurate on average, since less-fit males would not be able to signal as well as fit males (Zahavi 1975:207). Costly signalling, adapted from the handicap model by Grafen (1990:526), can be used to indicate different types of signal, including prestige, in humans (Bliege Bird, *et al.* 2001). Here, costly signalling refers to a signal that is so expensive in terms of whichever quality or resource is being signalled, that it is difficult to counterfeit by those who do not have as much of that quality or resource (Grafen 1990:527). Because it is to the signaller's advantage to signal as well as possible, it becomes possible to distinguish those who can signal well and have desirable characteristics from those who cannot (Grafen 1990:521). Therefore, signalling becomes accurate on average (Grafen 1990:521, 533).

Plourde (2006; 2008) has developed a model where prestige goods are used as costly signalling to indicate aptitude and knowledge. The prestige goods used may change over time as different abilities need to be signified (Plourde 2008:9).

Costly signalling has been applied to Stone Age societies in Africa (Casey 1998:89; Watts *et al.* 2016) but has rarely been applied to societies with noticeable levels or scales of inequality. For instance, Casey's (1998:83) study dealt with LSA stone tools of around 1500 BC in what is now Ghana, while Watts *et al.*'s (2016) study was focused on the Middle Stone Age in the Northern Cape, South Africa. In this study, the costly signalling approach will be used mainly to help identify prestige goods.

2.4 Applications of prestige good theories in Africa

The following examples of the ways some of the approaches above have been applied in Africa serve to further indicate how goods may be understood.

2.4.1 Prestige goods economies

Coquery-Vidrovitch (1978) focused her study on understanding relations of production in Sub-Saharan Africa and therefore drew on different sources in different periods of time on the continent. She developed this model in response to attempts to apply Marxist models based on other parts of the world to the continent (Coquery-Vidrovitch 1978). She notes that, generally speaking, the agricultural surplus in African societies was often small (Coquery-Vidrovitch 1978:277), however, and there was no private land ownership (Coquery-Vidrovitch 1978:268). This means that people could be more mobile, and it would, therefore, be difficult to argue that the state rose in the same way Marxists understood it in Europe or Asia (Coquery-Vidrovitch 1978). Coquery-Vidrovitch (1978:266, 277) argues that the most important type of surplus was obtained through foreign trade and warfare and that elites normally controlled this trade.

One of the states to which Coquery-Vidrovitch (1978:278) applied her model is the Dahomey Kingdom. This kingdom became powerful in the early 18th century and remained the most powerful force in the region until it was conquered by the French in the 1890s (Law 1986:242). In Dahomey, levies from production were used to hold the Custom Celebration and to showcase the “wealth and generosity of the dynasty”, in terms of alcohol and cowries for instance (Coquery-Vidrovitch 1978:277). This celebration likely encouraged trade and thereby helped to integrate the society (Coquery-Vidrovitch 1978:277–278). The king of Dahomey used direct control when he imposed the cultivation of palm oil trees from 1850 onwards, but most of the levies the state collected came from annual raids and trading (Coquery-Vidrovitch 1978:263, 278). Coquery-Vidrovitch argues that most African societies were only indirectly controlled by trade and warfare (Coquery-Vidrovitch 1978:263, 278).

This model is applicable across a wide range of societies in Sub-Saharan Africa but may be too generalised. It does, however, provide an explanation that better suits conditions of plentiful land and low population densities (Coquery-Vidrovitch 1978:277) and more general practices such as lack of privatisation of land (Coquery-Vidrovitch 1978:268). Coquery-Vidrovitch (1978) also points to trends, but not to whole societies, that have the type of the mode of production she considers.

Ekholm (1978) argues that the Kongo Kingdom, which existed from roughly AD 1350–1914 (Thornton 2001), had an economy mainly based on prestige goods, specifically around the 16th century. The kingdom was situated in west-central Africa (Thornton 2001), and had a prestige goods economy that was closely tied to the matrilineality (Ekholm 1978). Matrilineality involves tracing descent through the mother's side. Matrilineal descent coupled with the practice of residence at the husband's eldest uncle on his mother's side, along with the exchange of prestige goods for brides, meant that women would be married into more wealthy families and sons would be moved out of them (Ekholm 1978:124). She notes that inequality is only partially supported by a real surplus of prestige goods. This system would require areas outside the trade network to be drawn into it continually and to provide wives and prestige goods as tribute to new groups who control them (Ekholm

1978:130). Relations of production and social organisation at the Kongo Kingdom might, however, work completely differently from much more distant, smaller, or younger states.

Critiques of prestige goods economy models note that elites rarely retain a monopoly on prestige goods for long (Oka & Kusimba 2008:362). Guyer (1993) analysed museum collections and documentation from 19th-century Equatorial Africa, an area that overlaps with the areas considered by Ekholm and Coquery-Vidrovitch. Societies included the Tio, Lele, Baloie, Samba, and Libinza (Guyer 1993:245, 249).

Their research indicates that, at the end of the 19th century, some objects of prestige and adornment cost less than utilitarian objects (Guyer 1993:249). Near the Ubangui-Zaire confluence in Equatorial Africa, a Baloie headrest of imported brass cost less than a tool used to trim palm trees, for example (Guyer 1993:249). Guyer (1993:250) further notes that it was possible to build up bridal wealth from smaller exchanges on the market. Most things, in fact, could be exchanged, except for items that were loaned or were for inheritance (Guyer 1993:250). Currencies could be exchanged for one another, and smiths could melt iron currencies, such as the *kwa*, to make objects (Guyer 1993:249). The *kwa* could be exchanged for nearly anything and was reworked into other artefacts (Guyer 1993:249). This currency was used by at least seven groups, including the Baloie, Samba, and Libinza, who lived in the area of the Ubangui-Zaire confluence (Guyer 1993:249).

Market exchange and barter were practised for many items. Guyer's example does, however, come from a period in which external societies were in contact with African societies. Archaeologists cannot, therefore, be certain how old the interlinkage of all these trade goods and registers of value is. However, this example still illustrates the great variability in practices that can be found in a single region and that models of exchange should be applied with care.

2.4.2 Foreign goods and agency

Wynne-Jones (2007:374) applied the concept of agency of artefacts to the Swahili town of Kilwa Kisiwani, on the east African coast of Tanzania. Like Mapungubwe, Kilwa Kisiwani was involved in the Indian Ocean trade, at one point at the same time as Mapungubwe, and might have used the same methods to adapt to it. Wynne-Jones (2007:377) argues that differences, such as living in urbanised settings and stratified societies, formed because of the influence of foreign and local goods, especially ceramics. While differences between urban and other areas became evident in the stone and coral towns and the wattle and daub villages, earlier portable goods might have made a bigger difference (Wynne-Jones 2007:374). Wynne-Jones (2007:376) notes that, at Kilwa Kisiwani, certain locally manufactured and imported ceramics were associated mainly with towns, while other ceramics were found in the countryside as well as these towns. Imported ceramics were displayed in mosques, and some of the locally-created bowl types are associated with changes in patterns of consumption (Wynne-Jones 2007:378). Wynne-Jones (2007:377) argues that these ceramics may have helped to link urban dwellers to foreign settings and urban ways of life. Kilwa Kisiwani and other Swahili towns were more closely linked to Indian Ocean trade routes than Mapungubwe, however. Kilwa Kisiwani also had harbour facilities (Fleisher *et al.* 2015:107). This would imply that more goods could reach the settlement. These settlements are also far away from southern African societies and could have different cultural influences.

2.5 The application of prestige goods models in this study

The model by Friedman & Rowlands (1978) may be more detailed and draw on African influences such as the work of Ekholm (1972). While older models presented to explain Mapungubwe specifically may differ from this one, Friedman and Rowland's (1978) work summarises aspects suggested by these models, is less detailed, and perhaps contains aspects that are useful to describe trade in Mapungubwe society.

The model by Friedman & Rowlands has influenced southern-African Archaeology in Wood (2011) and Calabrese (2005)'s interpretations. Insofar as Friedman and Rowlands'(1978:216, 232) model refers to a transitional stage between an Asiatic and a territorial state, it is not adhered to as the society that preceded K2/Mapungubwe is usually not considered a state.

In contrast to Friedman and Rowland's (1978) model, the idea of elite control over foreign goods for long periods has been questioned by authors such as Oka and Kusimba (2008). They note that, while all economies are, to some degree, embedded within local values, craftspeople and traders still had agency and could affect the elite control of trade (Oka & Kusimba 2008:356). This is important to take into consideration and also serves as motivation to reconsider artefacts that archaeologists have previously regarded to be prestige goods.

Wynne-Jones's (2007) use of the concept of agency illuminates the influence of prestige goods on a Swahili town. However, Mapungubwe is, in many ways, dissimilar from Kilwa Kisiwani. At this town, ceramics with foreign influences were used to create elite, urban identities that were linked to other places of origin and their elites (Wynne-Jones 2007). Mapungubwe, however, does not seem to have been influenced as directly by groups that traded on the Indian Ocean. Archaeologists also warn that when goods are imported, they acquire new values according to the society that uses them (Wilmsen 2017). This means that they will not always be associated with the values of the society that produces them. Whether artefacts have prestige or other values, they will nonetheless have an effect on people, their societies, and relationships. As noted above, the exotic nature of goods such as glass beads may have influenced their value at Mapungubwe, and glass beads may have had agency in this way. Other aspects of goods and their agency might include the physical qualities associated with goods such as the durability of glass beads, the malleability of metal artefacts, and the friability of disk beads. This may also help to explain how these goods influenced Mapungubwe society. The procurement of glass beads and metal artefacts encourages artefacts traded in return and by extension, the continuation of trade and the production or sourcing of local artefacts. If certain goods, such as glass or disk beads and metals, could be inherited, it is possible that familial bonds and hierarchies might be expressed. Metals are more malleable and may therefore be used to different ends and in very different activities. Disk beads are the more friable out of the beads that were present, and more effort might be needed to maintain beadwork and jewellery. This might provide a reason to consider disk beads less valuable or less likely to express prestige.

Finally, costly signalling, prestige good models, and Gosden's (2005) view of the agency of artefacts will help to indicate why certain goods may or may not be prestige goods. Prestige goods may have gained associations with skill (Plourde 2006) by being difficult to create. Goods may also be considered precious because of perceived efficiency, rarity or use in ideological or sacred spheres (Hayden 1998:11–15).

Chapter 3: Research Area and Context

3.1 Introduction

This project relied on older collections and archival sources to understand prestige at Mapungubwe. This offered a new perspective on these collections and their excavations and context. Because this analysis required a good understanding of the context of these sites, excavations and the finds and calculations of soil volumes, abundances, and densities are discussed in this chapter.

A history of excavations will therefore be provided, followed by a discussion of the excavations sampled. Each excavation will then be considered, and features will be noted alongside the immediate interpretations by their excavators. First, the Mapungubwe Hill excavations and important finds are presented, then, the MST excavations are presented in the same way, and finally the smaller excavations around Mapungubwe Hill are noted.

The section afterwards follows with a short description of other sites that provided information that was compared to Mapungubwe's. These sites include K2, Skutwater, Edmondsburg, Leokwe, Mutshilachokwe, Tshobwane, and Tuli Circle 2. Then, the aspects that influenced the sampling of sites and excavations are noted and information is provided regarding squares that have not been published about. Meyer's (1998:1830) phase division is used to group layers, and then soil volumes calculated for each phase are provided. Finally, a summary of interpretations of the site sequence is provided.

3.2 Mapungubwe excavations and important finds

3.2.1 Mapungubwe Hill excavations and important finds

3.2.1.1 Initial excavation

Official archaeological research began at Mapungubwe in 1933, after the site had been rediscovered at the end of 1932 by the Van Graans, who owned the surrounding farm (Meyer 1998:19). These excavations were conducted by Fouché, Malan, Tromp, and Van Riet Lowe and were mainly focused on the centre of the Hill (Figure 3.1), while Jones and Schofield's excavations were mainly conducted on the western half of the hill (Fouché 1937). Between 1934 and1940, Gardner and Van Tonder lead excavations of large blocks at the centre and to the west of the Hill (Gardner & Coertze 1963:2, 24).

3.2.1.2 Excavation after 1971

In 1971 excavation was continued by Eloff and students, and later by Meyer. Squares were chosen from the grid Coetzer and Sentker had created (Eloff 1979:84) (Figure 3.2). The excavation of F4 was continued. It was excavated down to bedrock, along with Squares H5 and K8. K8 was the square closest to Mapungubwe Hill, and A3 was furthest away. To the East, Eloff and Meyer excavated H9, I9, I10, I11, J9, J10, and J11, but stopped after reaching Phase III or IV. It emerged that the upper spits of H9, I9, I10, and I11 were affected by animal burrowing (Eloff 1978). I9 was illustrated and discussed in Eloff's (1980) notes on the excavations.

Smaller areas were also excavated in and around Mapungubwe by Meyer and Eloff's teams. Map 4, or the North-Eastern Terrace, is located to the north of Mapungubwe Hill and was dated to the last phase of intensive occupation of the Hill and perhaps a few years later, in other words to AD 1280–1297 (Pta-6692, uncalibrated date: AD 720) (Meyer 1998:176; Vogel 1998:298).

Chapter 2 indicated why elevated areas are often interpreted as prestigious areas. Mapungubwe Hill is usually interpreted as a prestigious area, just as many other Gumanye and Leopards Kopje sites are (Chirikure *et al.* 2013:353). Huffman (2000:21) believes that commoners lived in the area below and around the Hill. The numbers expected for elite settlement indicated by Huffman (2000:21) seem to imply some elite settlement at MST, perhaps closer to the summit of the Hill. The Northern and North-Eastern Terraces are associated with commoner occupations (Huffman 2000:23). Mapungubwe's population also increased greatly, as is evidenced by several layers of rebuilding in a short period of time as noted by Meyer (1998:181).

3.2.1.3 Areas on Mapungubwe Hill

Noteworthy areas of Mapungubwe Hill (Figure 3.1) include "an elaborate hut complex" area on the west side of the Hill, early in the Mapungubwe occupation period (Gardner 1969:20; Van de Walt 2012:51), and the burial area in the centre of the Hill (Jones 1937). Huffman (1982:144) argues that the residence of the ruler moved from the west of the Hill to its centre. Eloff and Meyer's post-1970 excavations include MK1, which is to the west of the Hill, near the elaborate Hut complex (Eloff 1979:260). Other excavations by Eloff and Meyer are MK2 and MK3 (Eloff 1979). More information about layers and features can be found in Eloff's 1979 volumes and Meyer's 1998 volume. MK3 is situated closer to the centre of the Hill and only has material from the Mapungubwe occupation at the end of the 13th century. MK 2 did not contain much of the original deposit in situ and was not considered for analysis (Eloff 1979:260).

Beads were found in extremely large quantities in graves, but concentrations were also noted by Schofield (1958:205-208) in other parts of the Hill. He notes “the Bowl”, which is a pit in a hollow on the north-eastern edge of the Hill (Figure 3.1) that was excavated by Fouché, Malan, and others in 1933. Schofield (1958:210) notes OES (ostrich eggshell) and “Nacre” (probably Achatina or more likely freshwater bivalve) disk beads in the excavated area from the surface to 8ft below, which is also the level at which the last glass beads are found. Bead colours seemed to have been similar to the Zimbabwe series (Wood 2009, 2011) and contained no disk beads or brownish red beads of the East Coast-IP series (Schofield 1958:205). The Bowl is remarkable for its lack of disk beads (Schofield 1958:205).

The Grave Area contained beads that seemed to come from the Mapungubwe Oblate (e.g. black beads and deep blue transparent beads) and East Coast-IP (e.g. the brownish-red cylinders). What Schofield called the Excavated Area provided beads similar to those in the Bowl, between the surface and 5ft below, to the Grave Area, between the surface and 8ft below it. These are also similar to beads from the Burnt Hut Area on MST (Schofield 1958:210). These last cylindrical, translucent light blue and yellow beads seem similar to East Coast-IP types (Schofield 1958:210). Then there were also K2-IP bead types, and in the upper 5ft of soil, seven wound beads were found (two yellow ones and five orange ones) (Schofield 1958:210).

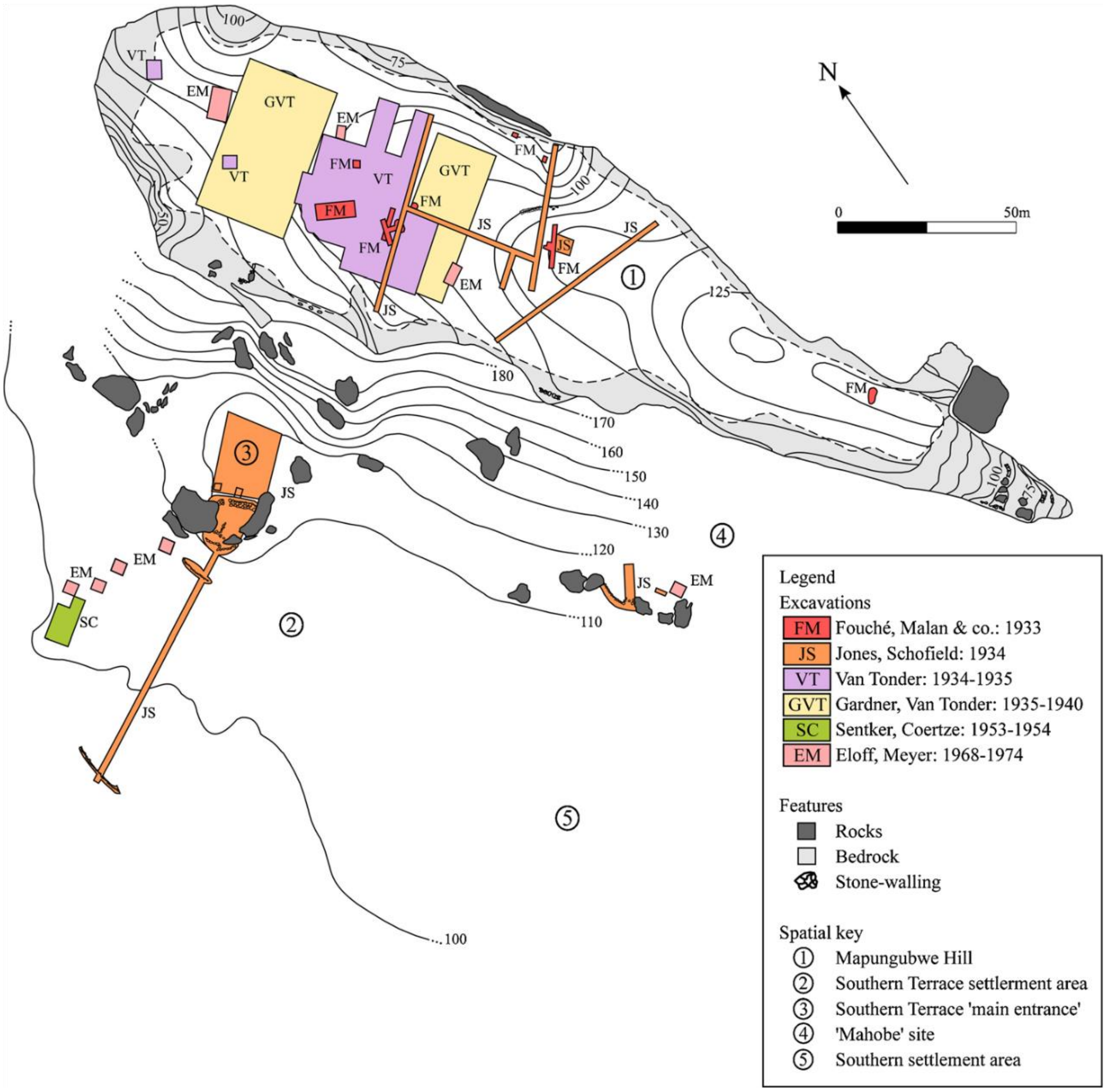


Figure 3.1: Mapungubwe site with excavations (Antonites *et al.* 2016).

Most of the gold found at Mapungubwe came from three graves in this area. The Van Graans and others opened the first gold containing grave (M1) on 31 December 1932 (Meyer 2011: 61). Eventually, several gold bangles, gold beads, and plate gold shaped into a small rhinoceros and other animals were found (Fouché 1937:2). Desai (2001:20) notes that the combined weight of these artefacts was about 630g. Skeleton 10 (M5) was found with a necklace of over 100 gold beads and a gold sceptre (Fouché 1937). Skeleton 14 (or M7) contained pieces of gold plate and a gold necklace with 12,000 beads. This final quantity was about 2170g of gold (Fouché 1937). Fibres from helixes found in these last two graves were dated to the 13th century (Woodborne 2009:1).

Jones (1937:14) notes *tuyère* fragments, slag fragments, and slag that filled and hardened within a *tuyère* from JS4, in the north-east of the trench and to the north of the centre of the Hill. This excavation also contained the only gold outside a grave. The south-western end of JS4 contained gold beads, gold wire, and gold sheets (Jones 1937:15).

Calabrese argues that the 1.25m-wide pit in JS4 with slag inside could be from either a furnace or a smithy (Calabrese 2005:279). Gardner (1963:19-20) notes slag from the surface level to 7ft down. Several lumps of iron were found among ash and slag, as well as copper remains of processing (Gardner 1963:19-20). At the bottom of MK1 a small hollow was found with “burnt sandy soil,” as well as charcoal and copper nodules, probably from copper working (Calabrese 2005:281). Calabrese (2005:281) then retrieved materials from the excavation dump, which included 34 *tuyère* fragments, 278 pieces of slag, and six pieces of furnace copper.

3.2.2 MST excavations and important finds

The MST part of the Mapungubwe site (Figure 3.2) can roughly be divided into two areas. The first area is south of the centre of the Hill and of the Western Ascent. This ascent was one of three that connected areas below to the Mapungubwe Summit (Jones 1937:12). The other two were the Mahobe ascent and the eastern ascent, which could no longer be used (Jones 1937:12-13). The other excavated area is to the east and is also called Mahobe's area (more often Mahobe's site) (Jones 1937:18). In the next section, I will discuss Jones and Schofield's excavations, but I will refer to later excavations in greater detail in another section. Here, finds are discussed directly with the excavations they come from, because the excavations are from very different parts of MST.

3.2.2.1 Jones and Schofield's excavations (JS2 and JS3)

The JS2 and TH1 trenches were excavated beneath and to the south of the Western ascent to Mapungubwe Hill. Initially, TH1 was excavated in 1933 and later, in 1934, JS2(a) was excavated northwards from there, and the narrower JS2(b) part was excavated south-westwards down the slope (Jones 1937:15, 17). There is some uncertainty over the boundaries between these three excavations, but Nienaber is of the opinion that the middle excavation (TB1) was conducted north-east of Wall 4B and east of Wall 4A (Nienaber and Hutten 2006:32, 33). Other walls were also found in this area and, together with Wall 4A and 4B, were interpreted as part of the main entrance to Mapungubwe Hill (Jones 1937:18) Finds included ceramic vessels and clay figurines, iron objects, copper objects, spearheads, and hammer stones (Jones 1937:16). Parts of the surfaces of these excavations were covered in large quantities of rubble from rock falls down the hill (Jones 1937:17).

Excavations at JS2b revealed the remains of at least four huts, some with verandas (Jones 1937:16). Circular structures described as grain bin platforms and "pounding mortars" and floors were also found (Jones 1937:16). With later stabilisation work, the possible location of a grave was found, but not excavated (Nienaber 2011:157). Meyer notes that little information regarding this excavation was recorded (Meyer 1998:142).

Figure 3.2: Mapungubwe Southern Terrace (Area 2 above). Drawn after Eloff (1983: Figure 3). Only A2, C2, K8, and I9 from MST were studied.

JS2(a) seems to have extended from Wall 4 and over Wall 2 and Wall 1 (Jones 1937:17). Midden remains, pavements, and a small hut with surrounding pavement and a large quantity of plum, black, and green glass beads, as well as shell beads, were also found (Jones 1937:17).

Jones and Schofield's excavations at the Mahobe site mostly revealed midden deposits in one trench and material very similar to that of JS2(b) in another trench (Jones 1937: 19). Interesting finds included an iron tool and clay figurines—a giraffe, an ox, and a conical figurine (Jones 1937:18). This part of the site is located roughly below and to the south-west of the centre of Mapungubwe Hill.

Miller (2001: 87) notes quantities of slag from J9 at MST and F4 level 9. Miller's (n.d.) data also indicates that a gold bead was found at C2, and Desai (2001:21) notes a gold sheet and helix from A3 and a decorated sheet from B3.

3.2.2.2 Coetzer and Sentker's excavations

The materials chosen for closer study, however, were from excavations conducted after 1953 with the work of Coetzer and Sentker. They created a grid system to demarcate excavations across the Southern Terrace and excavated six squares (Meyer 1998:24, 25, Sentker 1953, 1954). Grid squares were about 3.66m by 3.66m or 12ft by 12ft, and squares were excavated close to this size. The squares excavated were A2, A3, C2, C3, D2, D3 and F4 and were situated at the bottom of the talus slope to the south-west of the hill (Figure 3.1, 3.2) (Meyer 1998:117). Coetzer and Sentker's excavations did not continue very far into the deposit and at the most contained about nine spits. They were mostly excavated in spits of about 6in (15–24cm) deep that were divided into L (left), M (middle), and R (right) sections. A2 and C2 by Sentker's notes on the 1954 excavation were chosen as the focus, and L, M, or R sections were only mentioned where it was necessary.

3.2.2.3 Eloff and Meyer’s excavations

Other excavations were conducted by Eloff and Meyer after 1973 (Eloff 1979, Meyer 1998). These were also chosen from the grid laid out by Coetzer and Sentker (1954). K8, F4, and I9 from MST and MK1 on the Hill were chosen as the focus of this analysis.

3.2.3 Smaller excavations around Mapungubwe

The North-Eastern Terrace (Map 4) constituted a midden and kraal area near Mapungubwe Hill (Meyer 1998:176). A line of excavations was created (TS1) in the centre of the area. Four excavations were done and included A2, A4, A7, and A11. Roughly the same stratigraphy seemed to exist in all these squares (Meyer 1998:177). Other areas such as Map 10 and Map 12 were situated to the east of Mapungubwe Hill but were all dated after the Phase IV occupation (Meyer 1998:178–179). Map 23 and Map 24 are part of the excavations from the 1990s, which were excavated by Boshoff, and were further away on the Hamilton Farm and south-east of Mapungubwe Hill (Badenhorst *et al.* 2011:24).

3.3. Other sites in the SLCA or nearby

Sites used in this dissertation were chosen for their presence near Mapungubwe. Most of these sites were chosen because soil volumes and numbers of beads or weights of artefacts were available. Given the Tuli site’s large size and therefore its possible relevance as an elite site, it was also considered as far as possible.

3.3.1 K2

K2 is roughly 1km southwest of Mapungubwe Hill and about 5ha in size (Meyer 1998:6). The settlement was surrounded by sandstone hills (Meyer 1998:6). The site was divided into the north-eastern settlement area, the northern settlement area, the central settlement area and the western settlement area (Meyer 1998:60). The site was dated to AD 1030–1220 by Vogel (1998:298) (Table 3.1).

Squares used in this study come from the north-eastern settlement area and the central settlement area. These were the squares Wood (2005:107) chose from which to calculate glass bead abundance, and information was therefore readily available. These squares were all excavated after 1972 and were therefore excavated according to stratigraphic differences (Meyer 1998). The north-eastern settlement area is interpreted as a residential and midden area, and the central area contains a kraal, midden, and residential area (Meyer 1998:7). The north-eastern settlement area contained excavation Ts1, Ts2 and Tr D4 that overlaps with Ts2 (Meyer 1998:95, 99, & 106). All these excavations were conducted in the midden area on the slope of Bambandyanalo Hill (Meyer 1998:95, 99, & 106). Three graves were excavated from Ts 2 (Meyer 1998:102).

Excavation Ts3 and Rn2 were situated in the central area of the site (Meyer 1998:61). Ts 3 was excavated in the centre of the central midden (Meyer 1998:63) and Rn2 was excavated in the residential area (Meyer 1998:72).

3.3.2 Skutwater

Sites that have already been used in other analyses of prestige include Skutwater, Leokwe, and Castle Rock (Van Ewyk 1987; Calabrese 2000; Calabrese 2005; Wood 2005). Skutwater is a commoner site 18km east of Mapungubwe and 2.5km south of the Limpopo River (Van Ewyk 1987:1). It is considered a commoner settlement dated to around AD 1220–1280 and has a continuous occupation (Van Ewyk 1987).

3.3.3 Edmondsburg

Edmondsburg was a small commoner settlement that contains a group of 16 stone features that might have been grain bins (Calabrese 2005:284). To the east of the site a small raised area was likely a kraal with one midden adjacent and north of it, and one midden south of the kraal (Calabrese 2005:284). One excavation was done in the southern midden, three were done in the kraal and adjacent northern midden area (Calabrese 2005:286, 288). Edmondsburg is a single occupation site (Calabrese 2005:290). No glass beads were recovered from this site, and 26 disk beads and two pieces of iron artefacts were excavated from the southern midden (Calabrese 2005:293).

3.3.4 Leokwe

Leokwe is also situated to the west of Mapungubwe and is further south and near the Kolope River (Calabrese 2005:6). Huffman (1986:291) initially argued that the hilltop settlement at Leokwe was used by elites. Calabrese (2005:265) then used glass beads, non-utilitarian metal artefacts, figurines and other artefacts to argue that there were in fact differences in prestige between Leokwe Hill (Area A) and Area B, C, and D below. These differences would make the site ideal to compare to Mapungubwe, which is also likely divided between elite occupation and commoner occupation.

Leokwe Area A is considered the possible (Calabrese 2005:222) elite occupation area and Area D was considered a Central Cattle Pattern occupation area (Calabrese 2005:261). Area A is situated on Leokwe Hill and consists of the Western Summit, the Northern Platform, and the Courtyard (Calabrese 2005:195). Area B—the Northern Terrace—(Calabrese 2005:227), C—the Occupational Flat—(Calabrese 2005:257), and D—named the Central Cattle Pattern Settlement by Calabrese—(Calabrese 2005:257), are found to the east and north-east of Area A (Calabrese

2005:196). Area A, B, and C date mainly to the K2 Period and Area D dates to the Mapungubwe Period (Calabrese 2005:263).

3.3.5 Mutshilachokwe

The K2 and Khami Period commoner sites from the other side of the Limpopo River that were compared to Mapungubwe include Mutshilachokwe and Tshobwane (Manyanga 2006:143). Ceramics and beads seem to come mostly from the K2 and Mapungubwe Periods, however (Manyanga 2006:146). Tuli circle 2 was also included in this analysis. Mutshilachokwe was interpreted as a central cattle pattern settlement and was situated on two sandstone ridges near the Mutshilachokwe River (Manyanga 2006:143). The remains of three kraals and middens either indicate three households that existed concurrently or that they were used consecutively (Manyanga 2006:144). Parts of the site, particularly midden areas, were disturbed by burrowing animals, but these parts were generally avoided during excavation (Manyanga 2006:144). Five trenches were excavated, obtaining finds from across the site (Manyanga 2006:144–146, 154). Excavation T1 and T2 were made inside a kraal, with T1 closer to the centre and T2 on the edge (Manyanga 2006:154). T3 was excavated under a stone cairn, T4 was excavated on the end of a large mound, and T5 was excavated on a mound on the north-eastern part of the shelf (Manyanga 2006:145–146, 154).

3.3.6 Tshobwane

Tshobwane was settled near the Tshobwane River about 2km east of Mutshilachokwe (Manyanga 2006:146). Because the site was more easily understood from surface features, only two 2m by 2m trenches were excavated in the kraal area (Manyanga 2006:164).

3.3.7 Tuli Circle 2

The Tuli Circle 2 site extends over three ridges and is situated at the southern end of the Tuli-Circle, a semi-circular boundary between Zimbabwe and Botswana (Mothulatshipi 2008:192). Mothulatshipi (2008:193) estimates the site as 20km in radius. The site was divided into four areas and two of these, Sub-divisions B and C, were excavated. Sub-division B contained Test Pit 1–3 (Mothulatshipi 2008:195–199). The skeleton from Test Pit 2 was accompanied by one ostrich eggshell bead (Mothulatshipi 2008:196). Sub-division C contained Test Pit 1–2 (Mothulatshipi 2008:201–204). Here Test Pit 1 provided ceramics that seemed to be K2 and Mapungubwe types (Mothulatshipi 2008:140). The surface of Sub-division B also provided beads although the type is not specified (Mothulatshipi 2008:214).

3.4 Sampling

MK1 was chosen to represent Mapungubwe Hill excavations, as this excavation extended into the earliest phase of the site's occupation and was excavated according to stratigraphy, recorded in detail, and finds were kept (Eloff 1979).

From MST excavation, A2, C2, F4, K8, and I9 were selected for analysis (Fig.3.1, 3.2). This allowed the author to sample across the area of MST that had been excavated, from I9 in the east and closer to the hill, to A2 at the most western and southernmost point away from the hill. This sample included K8 that was to the west but also near the hill and was the deepest excavation on MST. F4, south of K8, was also a deep excavation and, with K8, spanned the time of K2 and Mapungubwe occupation. All these squares were excavated after 1953 and collections for these were more complete.

The North-Eastern Terrace site is another likely commoner area and dates to the correct time (Meyer 1998). The excavation was done on midden and kraal areas, which may contain different artefacts to residential areas. Researchers have remarked, however, that middens frequently contain larger numbers of beads (Antonites 2014).

Initially, JS2 and the Mahobe area (Figure 3.1) excavations were also considered for analysis. Artefacts were either missing or could not be located within the Mapungubwe Collection of the University of Pretoria Museum in time for analysis. JS2 excavations were also not done according to stratigraphy, and finds were not quantified (Jones 1937:16), making them unsuitable for the quantification aspects of this project. These excavations were therefore not focused on. From the Mahobe area, too few glass beads could be located. Gardner’s excavations were not chosen for study, because so many of the finds were discarded at the site upon excavation (Gardner 1963:93).

The sites chosen to compare to Mapungubwe were all within 25km of the site chosen as the main focus of the author’s research. Time constraints dictated that most of the sites had information that was more easily accessible. Sites where the volume of soil could be worked out and where quantities of glass beads, disk beads, or metals were found, were prioritised. Glass beads seem to have been recorded in the most detail in works discussing these sites, and metal weights were not always available.

The K2 excavations were chosen because they would help balance comparisons of Mapungubwe Period finds with sites such as Mutshilachokwe and Tshobwane, where K2 and Mapungubwe Period contexts could not be distinguished from one another. K2 was also the precursor to Mapungubwe, as well as a likely elite site.

Leokwe is the other site considered to have had an elite occupation that was specifically separated from its commoner occupation, which is similar to Mapungubwe. The Tuli Circle site extends over a large area and is a hill site but is not frequently considered an elite site. Smaller sites such as Skutwater, Edmondsburg, Tshobwane, and Mutshilachokwe were chosen to compare to the MST occupation at Mapungubwe and are usually understood to be commoner areas.

3.5 Excavations with unpublished data

Because MK1, F4, and K8 have already been discussed in Eloff's (1979) and Meyer's (1998) publications, their features and layers are not focused on here. Indications are made of which layers are included in which phases later in this chapter. Squares that required archival documents, such as Sentker's (1953, 1954) reports and Eloff's (1978, 1979,1980) field notes and reports are discussed below.

It should be noted, however, that a human burial was found in F4. The juvenile human skull and mandible were found in the surface of the yellow brown dolerite floor (Eloff 1929:102; Liebenberg 2017) and was found again at the University of the Witwatersrand much later. This skull and mandible were taken for analysis at the University of Pretoria Anatomy Department and analysed by Ms Leandi Liebenberg. She noted that the skull belonged to a three to four-year-old child and that sex could not be determined (Liebenberg 2017). These remains were accompanied by disk beads that were analysed and are part of the beads analysed in Chapter 4.

3.5.1. Square A2

This square (Figure 3.3) was excavated to -24in (61cm) below the zero level and was about 29.13in (74cm) deep. The excavation was 3.65m by 3.65 on the surface and had 0,30m by 0,30m columns left unexcavated to hold line pegs at the corners of the square. Layers and spits are discussed from bottom layers upwards to match chronological change. S1, S2, and so forth stands for Spit 1 and Spit 2, and so forth, while the L symbol was used for layers and spits in squares that mainly contained layers (such as F4).

Spit 4 and Spit 5 contained hut floor remains. Spit 5 also contained wall rubble that Coetzer and Sentker (1954) linked to a hut in A1 that was found in the south of the square. Another gravel floor was found at the bottom of this spit. Spit 5 further contained some post holes and a step-like feature (Sentker 1954:26). Broken sections of a floor at the bottom of Spit 4 spit were also found. The area outside the hut at the bottom of the spit also provided a group of flat, horizontal stones (Sentker 1954:26-27B).

Spit 4 contained red burnt dagha (hut wall clay) over a yellow gravel floor in the north-western corner. At the bottom of the spit, a yellow and red hut floor surrounded by post holes was found in the western section. A thick gravel step-like structure bordered what would have been the hut wall. Spit 4 also contained ash and crushed bone (Sentker 1954:19-22B).

Spit 3 contained a patch of ash and crushed bone in its south-eastern part, and unburnt figurine legs and pole-impressed dagha in its centre. A smooth gravel floor was found in the eastern section at the bottom of the spit (Sentker 1954:15B-18B).

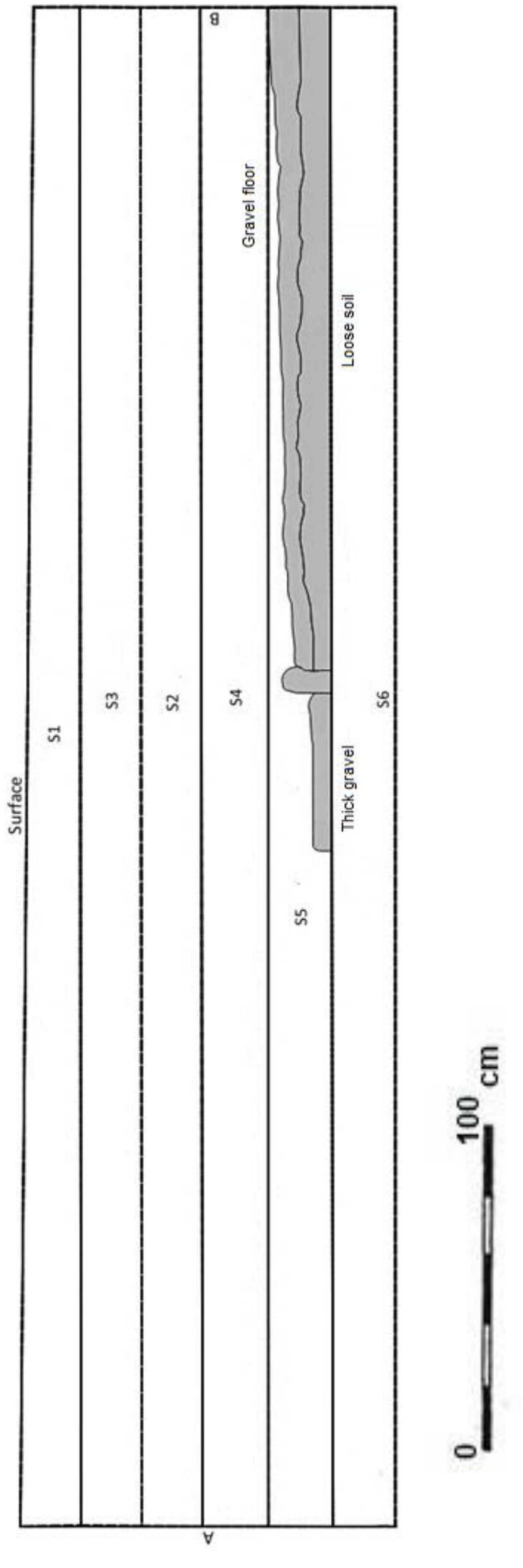


Figure 3.3: A2 Spits and soil volumes. Drawn after Sentker (1954:3–4, 29).

Spit 2 contained humus but also contained spots of burnt soil, patches of ash, and crushed bone in the southern part of the square (probably midden remains), a mortar stone in the “R” or right section of the square, and a yellow gravel floor at the bottom of this spit (Sentker 1954:15B. Sketch Plan 4).

The surface of this square was 5.25in (13cm) above the zero level on average and contained 1.77m^3 soil (Sentker 1954:7). Most of the soil in this spit contains large volumes of humus, and the central (M) section contains a spring hare burrow that might have disturbed finds in this spit (Sentker 1954:10-11). A hut probably stood to the north-west of the square as indicated by the remains of a dagha wall (Structure E, already present in Spit 5) in the north-west corner of the trench (Sentker 1954:14).

3.5.2. Square C2

C2 (Figure 3.4) was also 3.65m by 3.65m on the surface, and also had 0.30m by 0.30m columns left unexcavated to hold line pegs (Sentker 1954:1). No profile drawings of this square could be found among Sentker’s notes. and a sketch of only the spits and their soil volumes are included (Sentker 1954).

Spit 4 contained ash and ashy soil in its northern section, as well as the left or western section and contained potsherds and bones (Sentker 1954:13, 14). Humus was present in the south-western corner of the square (Sentker 1954:15).

Spit 3 contained patches of ash and burnt soil that could be the remains of another fireplace (Sentker 1954:7). The north-eastern corner showed traces of yellow gravel floor. Interesting artefacts found in this spit included many astragali (knucklebones), a mortar stone, a perforated potsherd, and an ivory point (Sentker 1954:7-12).

Spit 2 contained ashy spots with some crushed bones and teeth, as well as burnt clay that might have been the remains of a fireplace (Sentker 1954:6-7). Scattered gravel fragments were also found in the north-east of the trench (Sentker 1954:6-7). Spit 1 contained large volumes of humus and no clear archaeological features.

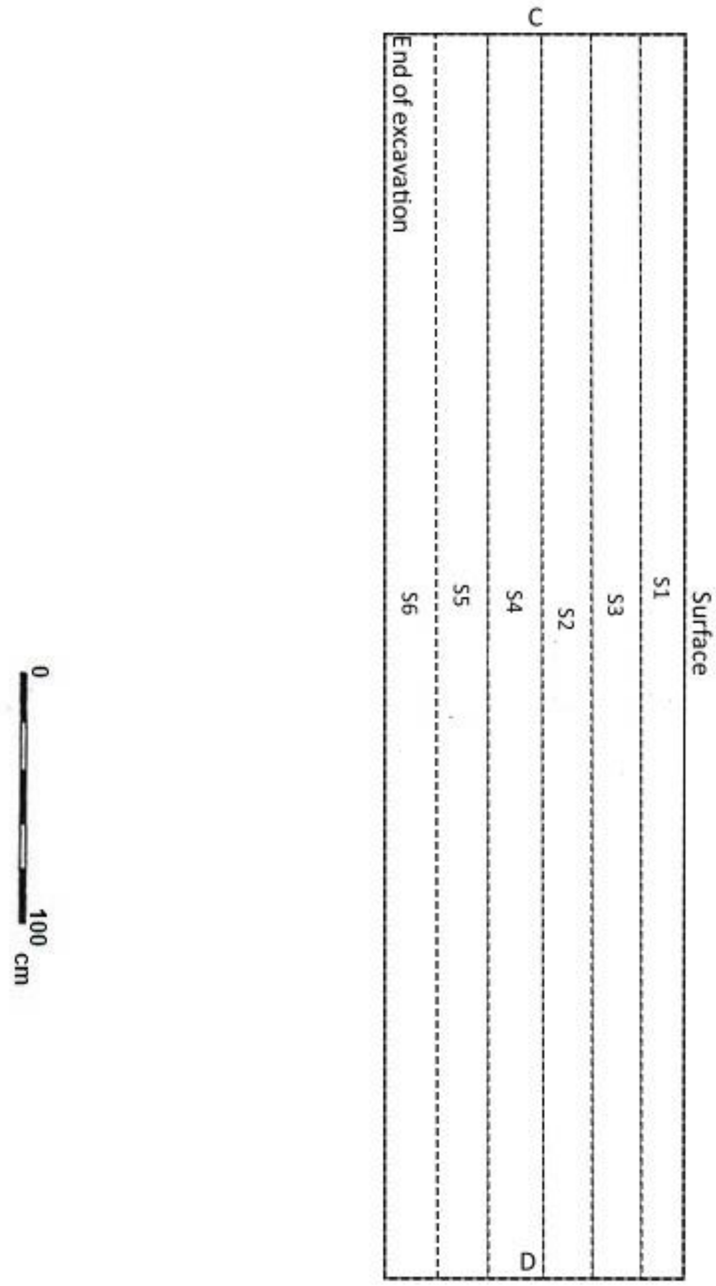


Figure 3.4: C2 Spits and soil volumes. Drawn after descriptions in Sentker (1954).

3.5.3 Square I9

Excavation plans (Eloff 1980:12) were used to calculate the length and breadth of I9. The breadth of the square was about 3.23m, and the length was 3.6m. I9 (Figure 3.5) contained grey-brown gravel and a line of bones, potsherds, and rocks that ran across the square from the J9 (north-western) corner to the southern wall, as well as a concentration of dagha that is cut through by the square's eastern border (Eloff 1980:13, 16). The test trench below ends on a gravel floor (Eloff 1980:16). I9, Layer 4 consisted of dark grey soil and also has a yellow brown dolerite floor (Eloff 1980:16). As the sketch of I9 indicates, the upper three layers consisted of grey, gravelly soil (Eloff 1980:16). I9, Layer 3 has a concentration of grey ashy soil (Eloff 1980:16). I9, Layer 2 contained a lens with more organic material as well as a fragment of yellow-brown floor (Eloff 1980:16). I9, Layer 1 contained no sketched features

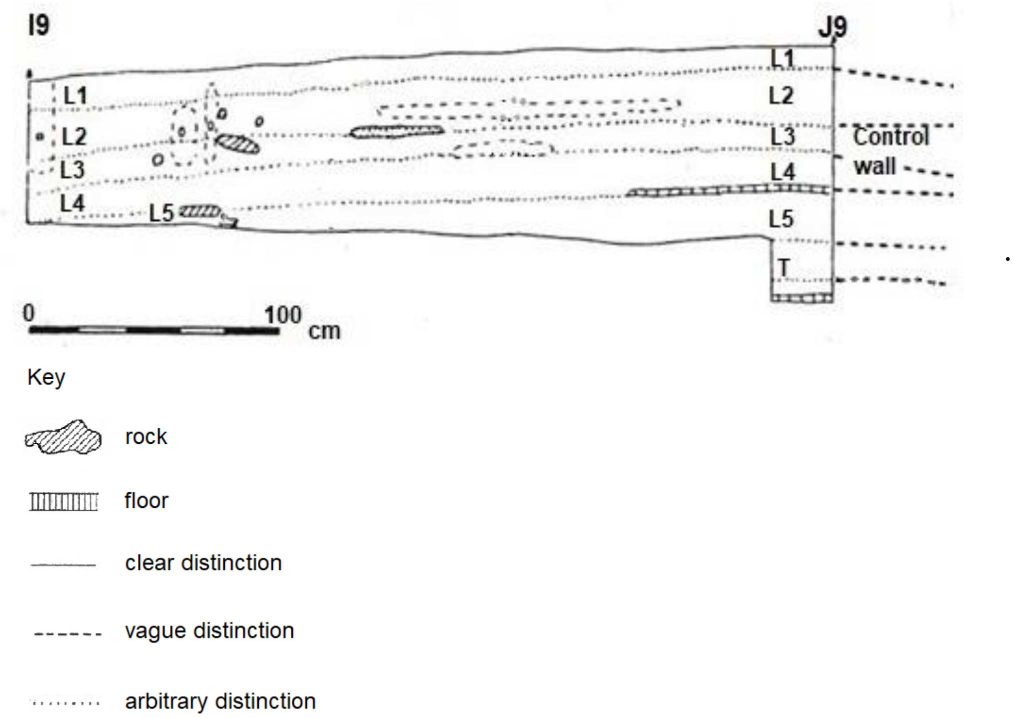


Figure 3.5: Drawn after Eloff (1980:16, Figure 9).

Table 3.1: Dates from Vogel (2000) and Chirikure *et al.* (2012).

Area	Phase	Phase dates	Square	Layer	Lab. number	Uncalibrated date	Vogel (2000:Appendix) calibrated date	Vogel (2000:Appendix) calibrated range at 1 standard error	Chirikure *et al.* (2012:Appendix) calibrated date	Chirikure *et al.* (2012:Appendix) calibrated range at 1 standard error
MST	II	1030-1220	F4	10	Pta2024	1030+-40	1026	1011-1041	1005	860-1040
	IV	1250-1290	K8	1(iii)	Pta1209	770+-50	1284	1265-1297	1250	1220-1270
	IV	1250-1290	K8	2(ii)	Pta0752	790+-50	1277	1252-1292	1240	1210-1280
	IV	1250-1290	K8	3	Pta0766	860+-40	1234	1205-1265	1180	1060-1080 and 1140-1220
	III(a), earlier section	1220-1250	K8	15	Pta1156	860+-40	1234	1205-1265	1180	1060-1080 and 1140-1220
	II	1030-1220	K8	16	Pta0768	1030+-50	1026	1007-1046	1005	900-920 and 960-1040 and 1100-1120
	IV	1250-1290	H5	2(ii)	Pta1138	590+-50	1414	1396-1434	1340	1300-1360 and 1380-1410
	II	1030-1220	H5	6(iii)	Pta2023	930+-40	1173	1152-1213 or 1052-1087	1100	1040-1140
			E2	5	Pta0437	810+-45	1270	1234-1284	1215	1050-1080 and 1180-1260
			E2	7(iii)	Pta0438	820+-69	1265	1220-1286	1210	1050-1100
			E2	10	Pta0439	840+-50	1252	1213-1277	1195	1040-1100 and 1120-1270
Map			Bloc(k)i6/4		Pta0372	880+-45	1220	1173-1252	1140	1050-1080 and 1120-1140 and 1150-1220
Hill	III(a), later	1220-1250	Mk1	11	Pta1158	850+-50	1243	1205-1274	1180	1055-1065 1150-1260
	III(a), later	1220-1250	Mk1	11	Pta1159	840+-40	1252	1220-1274	1200	1160-1250
	IV	1250-1290	MK3	3 (A4)	Pta1145	880+-40	1220	1180-1252	?	?
			MK4	60-75	Pta6692	720+-40	1297	1286-1308 or 1363-1377	1280	1260-1300
			Skeleton (Skltn) A621		Pta3489	850+-40	1243	1213-1270	1390	1150-1250
			Skeleton (Skltn) A622		Pta3480	770+-40	1284	1270-1294	1250	1220-1280

Table 3.1 continued: Vogel (2000) and Chirikure *et al.* (2012) dates

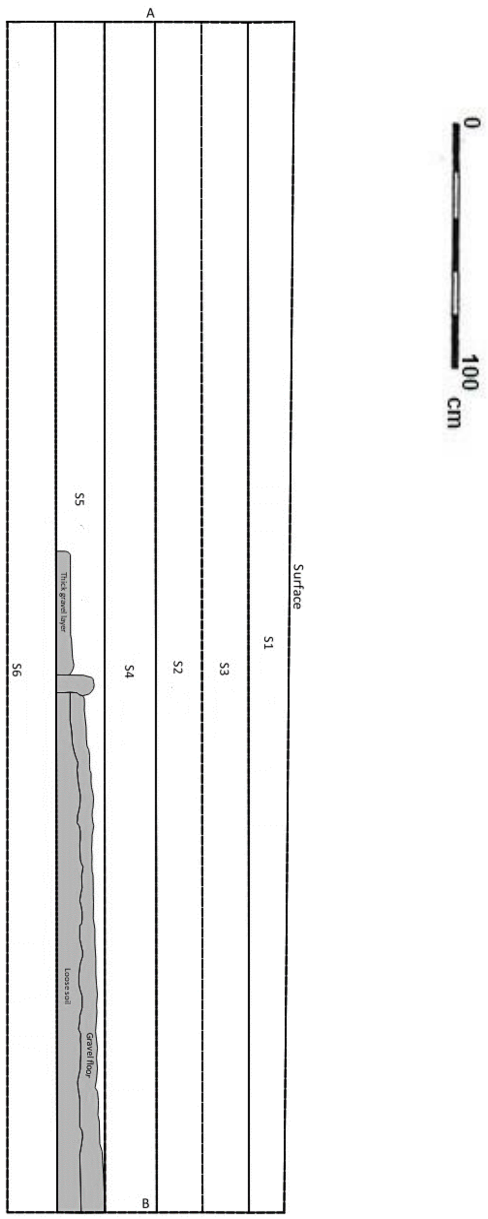
Area	Phase	Phase dates	Square	Layer	Lab. number	Uncalibrated date	Vogel (2000:Appendix) calibrated date	Vogel (2000:Appendix) calibrated range at 1 standard error	Chirikure *et al.* (2012:Appendix) calibrated date	Chirikure *et al.* (2012:Appendix) calibrated range at 1 standard error
Mapungubwe: NET	IV	1250-1290	Map 4, Ts1	3	Pta6577	520+-30	1289	1280-1297	1250	1220-1280
K2: North eastern settlement area	II	1030-1220	Ts1	2	Pta6064	880+-50	1220	1173-1260	1155	1040-1085 and 1120-1140 and 1150-1220
K2: North eastern settlement area	II	1030-1220	Ts1	2	Pta1214	980+-40	1046 or 1103 or 1114	1029-1167	1080	1010-1160
K2: North eastern settlement area	II	1030-1220	Ts2	2	Pta6576	1010+-50	1033	1015-1063 and 1074-1157	1020	975-1030 and 1090-1120 and 1135-1145
K2: Central settlement area	II	1030-1220	Ts3	24	Pta1226	950+-50	1163	1037-1205	1100	1020-1060 and 1080-1170
K2: Central settlement area	II	1030-1220	Ts3	15	Pta1157	950+-40	1163	1041-1192	1100	1020-1050 and 1080-1160
K2: Central settlement area	II	1030-1220	Ts3	15	Pta1215	970+-50	1052 or 1087 or 1150	1029-1180	1100	1015-1060 and 1080-1160
K2: Central settlement area	II	1030-1220	Ts3	6	Pta2051	970+-40	1052 or 1087 or 1150	1033-1173	1095	1020-1060 and 1090-1135 and 1140-1160
K2: Central settlement area	II	1030-1220	Ts4	4	Pta6073	920+-50	1180	1152-1226 and 1052-1087	1110	1040-1160
K2: Northern settlement area	II	1030-1220	Ts6	7	Pta6080	940+-50	1167	1041-1213	1100	1030-1060
K2: Central settlement area	II	1030-1220	Tg68	II	Pta0307	930+-45	1173	1114-1213 and 1046-1100	1100	1040-1060
K2: Central settlement area	II	1030-1220	Tg68	8b	Pta0306	850+-50	1243	1205-1274	1180	1055-1065 and 1060-1260
K2: Central settlement area	II	1030-1220	Tg68	6	Pta0305	890+-50	1213	1167-1252	1165	1060-1090 and 1120-1220
K2: Central settlement area	II	1030-1220	Tg68	3	Pta0304	880+-40	1220	1180-1252	1160	1050-1080 and 1120-1130 and 1150-1220
K2: Western settlement area	-	1030-1220	Ts5	3	Pta6570	760+-50	1286	1269-1299	1250	1220-1280
K2: Western settlement area	-	1030-1220	Ts5	Skltn UP24	Pta6680	1250+-40	825 or 857	779-883	760	680-810

3.6 Phases

Main layers (consisting of other layers) were established by Eloff (1979). These seem to have influenced the phases created by Meyer (1998). Because A2 and C2 were not divided into phases, glass beads were used to match these with dates. A2 seemed to contain glass beads that might be from Phase IV, because these layers were so close to the surface and contained glass beads from AD 890–1300 (East Coast-IP and Mapungubwe Oblate series beads), but contained no beads that were not imported after AD 1220 (K2-IP series beads) (Appendix A.2). C2's layers (Figure 3.9) were divided into very tentative phases based on the glass bead series and types present. Spit 3 and 4 contained beads that were imported around AD1200–1230 (using Wood (2005) who relied on Vogel's dates), placing it in Phase III(b), but leaving the possibility that it might be later. Spit 2 also contained beads that would be available around AD 1230–1270. Spit 1 contained beads that could also be acquired together from AD 1230–1270.

3.6.1 Soil volumes

Soil volumes (Table 3.2, 3.3) for F4, K8, and excavation MK1 were calculated by using Eloff's profile drawings and I9 with Eloff's report on the 1978 excavation (Eloff 1978, 1979, 1983; Sentker 1954). A2 and C2 were calculated by using Sentker's (1953, 1954) notes.



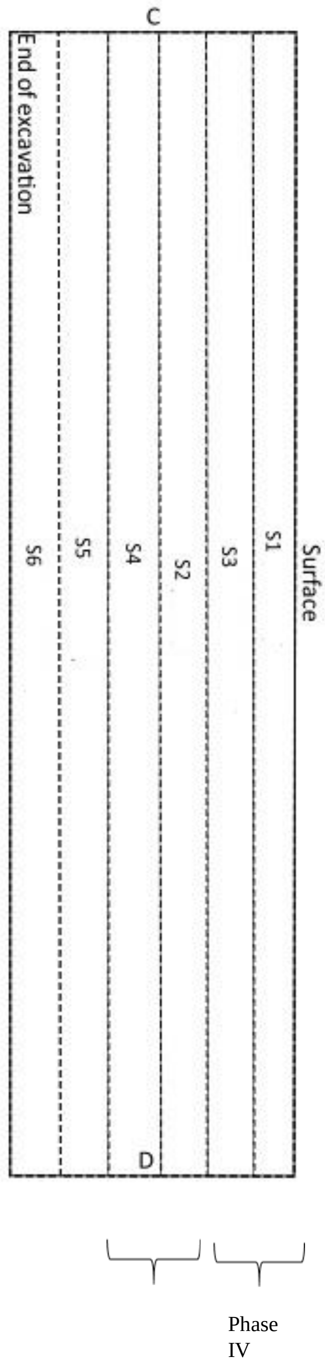


Figure 3.6: A2 Phases (Phase IV). No beads or metals analysed from white area.

Figure 3.7: C2 possible phases. No beads or metals analysed from white area.

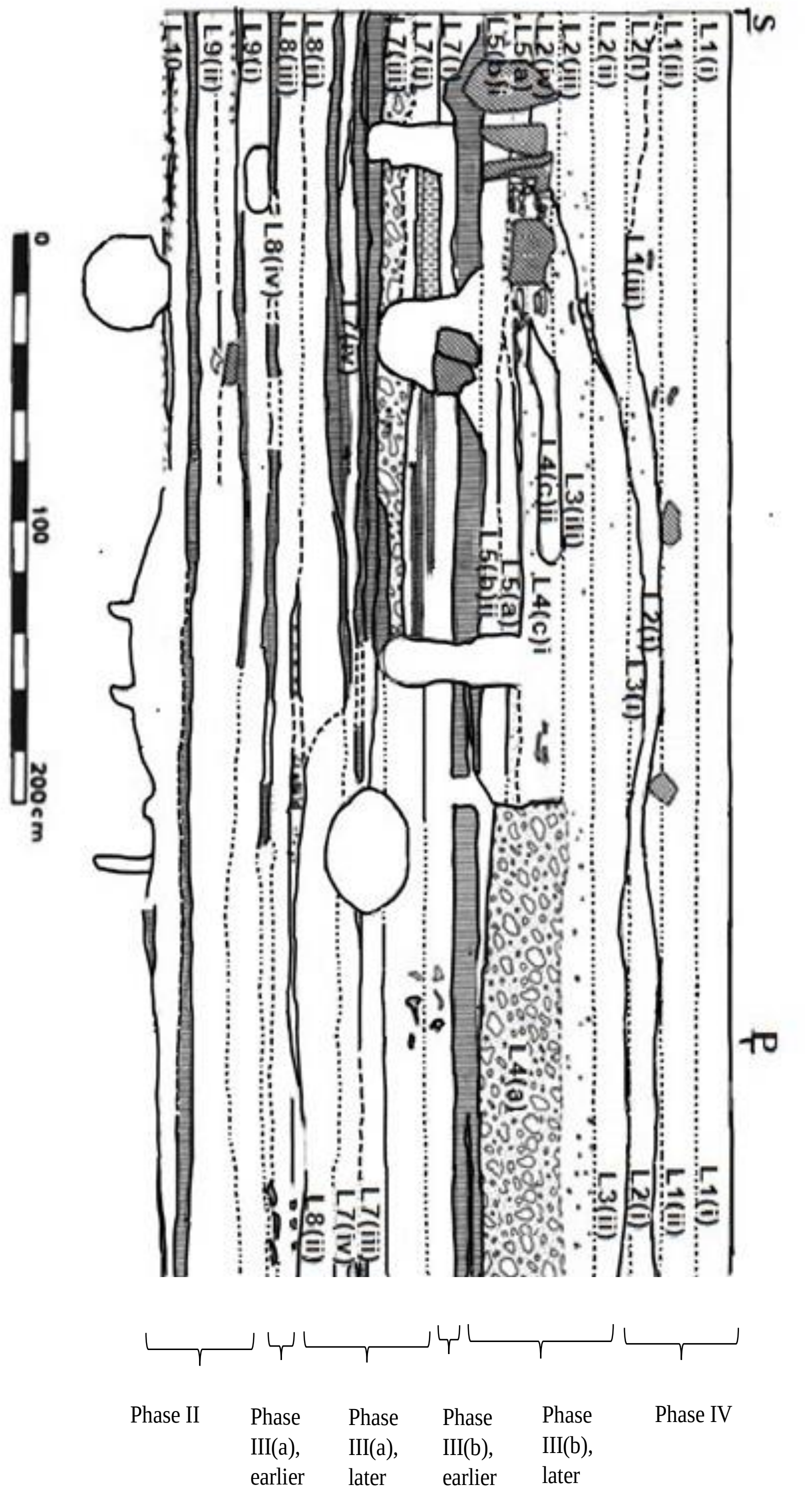
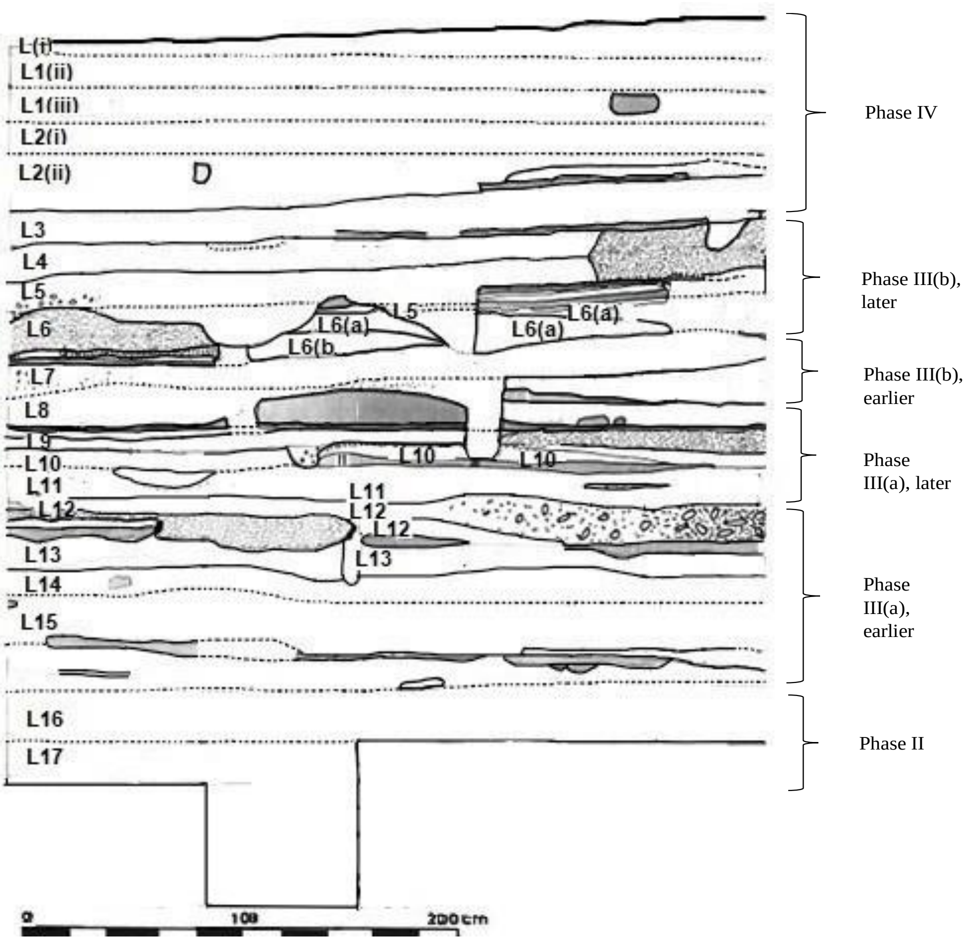


Figure 3.8: Square F4 Phases.



To calculate these ratios, the volume of soil was calculated from excavation records (Sentker 1953, 1954; Eloff 1978, 1980) and published material (Meyer 1998). The length and breadth of squares, and the height of layers and phases provided by authors or illustrated in profile sketches were used to calculate soil volumes (Table 3.3).

Table 3.2: Measurements of spits from A2 as example.

Square	Label of Spit/ Layer	Spit/ Layer	Height	Length	Subtracted	Total Length	Breadth	Subtracted	Total Breadth	Volume (m^3)
A2	surface/z	S1	0,13335	3,6576	0,3048	3,3528	3,6576	0,3048	3,3528	1,499023
	z/-6	S2	0,1524	3,6576	0,3048	3,3528	3,6576	0,3048	3,3528	1,713169
	-6″/-12″	S3	0,1524	3,6576	0,3048	3,3528	3,6576	0,3048	3,3528	1,713169

Table 3.3: Soil volumes used per phase. Excludes layers noted in Appendix A.1. Drawn from Sentker (1953, 1954) and Eloff (1978, 1979, & 1980).

Area	Excavation	Phase II	Phase III(a), Earlier	Phase III(a), Later	Phase III(b), Earlier	Phase III(b), Later	Phase IV	Total
MST	A2						4,93	4,93
	C2					3,43?	3,53	6,96
	F4	6,15	1,98	2,85	3,29	3,84	2,64	20,75
	K8	3,02	1,30	3,68	3,78	6,70	6,70	25,18
	I9						4,25	4,25
Mapungubwe Hill	MK1	13,79	9,61	10,95	6,79	9,64	9,68	60,46
NET (Map 4)	A7						2,77	2,77

3.7. Conclusions

This chapter focused on providing background information to sites and excavations and the reasons why they were chosen for study. The chapter also indicated how phases were grouped and the way that calculations of soil volumes were done.

At Mapungubwe, it seems that artefacts pertinent to this dissertation were found across the site. Glass, disk beads, and iron and copper non-utilitarian goods were noted in most areas. It is, however, evident from this chapter that gold was much more concentrated in certain areas and especially in areas considered elite occupations. This might already indicate that gold has certain prestige associations.

Sites were chosen from an area in close proximity to the Mapungubwe settlement. Few elite sites were found nearby, and most sites had been labelled commoner sites by their excavators. Because the intention was to place more focus on MST at Mapungubwe, these commoner sites were useful. The sites chosen also allow comparison across areas associated with different levels of prestige. Sampling was focused on sites that had enough data to compare to Mapungubwe's.

While taphonomy might have affected the presence of artefacts in the archaeological record, this is to be expected. Looting is unlikely to have influenced layers where no mention was made of disturbances and while the collection was affected by an incident, every effort was made to find artefacts that could be connected to these excavations.

Because these sites were dated at two different times, it was sometimes difficult to compare different sites. Vogel's (1998) dates, which were used on most of the sites mentioned in this dissertation, is therefore relied on. Soil volumes have indicated that phases and excavation were certainly of different sizes, and their use in the quantification of artefacts is therefore advantageous. In the following section, the focus will be on the artefacts that were obtained from the phases and excavations discussed above.

Chapter 4: Results and Discussion

4.1 Introduction

In the previous chapter, it was explained how sections of the site were chosen to provide information relevant to prestige at the site. Then it was explained how excavated features were interpreted and soil volumes were calculated. In this chapter, the glass beads, disk beads, and metal artefacts from these excavations are analysed. This analysis is used to assess whether artefacts might be prestige goods and whether they might have been used to support or create inequalities between elites and commoners. First, glass beads are compared between MST, MK1, and NET, then, comparisons over time and comparisons to other sites are made. Next, disk beads are compared in the same way. This is followed by a comparison of non-utilitarian metals by weight. Finally, there is a discussion of the findings according to the available models of prestige goods.

Where comparisons are made over time, K8 and F4 are chosen to represent MST, because they are the excavations which extend downwards the furthest. Other squares are not added to these comparisons for later phases, because their data might reflect spatial differences (as highlighted for the Mapungubwe site) instead of differences over time. The North-Eastern Terrace is not included in comparing differences over time, because it has only been dated to the Phase IV period (Vogel 1998:298).

The author has tried to compensate for the uncertainty regarding beads or metals in certain layers by excluding their soil volumes and bead numbers or metal weights from calculations of abundance and density. The table of these layers will be provided in the appendix. Although the abundance and density of artefacts will not reflect exact numbers of artefacts that were deposited, some idea of the quantity of each type of artefact is still important.

4.1.1 Glass beads

4.1.1.1 Methods and recording

The analysis of glass beads is done according to Wood's (2005, 2011) classification. The value of morphological classification was supported by further Raman spectroscopic and portable X-ray fluorescence (XRF) analysis of elements (Robertshaw *et al.* 2010; Koleini *et al.* 2016). Glass bead series can be linked to different places of origin and can help to date contexts more specifically (Wood 2006:2–3; Wood 2000). This may be particularly useful in squares that have not been radiocarbon dated, such as A2 and C2. Wood (2005) analysed beads from MST and Mapungubwe Hill, and the author relied on this data as well as her own analysis of remaining layers to conduct this study. The layers focused on by each analyst is summarised in Appendix 4.1.

4.1.1.1.1 Attributes recorded

Glass beads were analysed by looking at colour, shape (Figure 4.1), end treatment and roundness of ends, diaphaneity, size, and series (Wood 2011). The author's classification of bead shapes made too many beads cylinders (in comparison to the same beads Wood analysed), and therefore more emphasis was placed on other factors to indicate bead series.

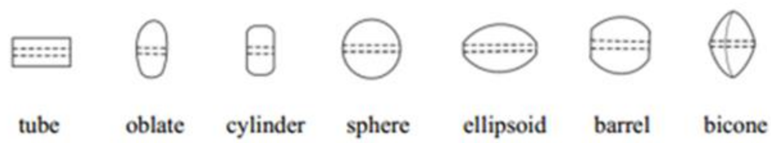


Figure 4.1: Bead shapes (Wood 2005:31)

For glass beads, bead weights were not used, given the time constraints and the lack of useful information that this consideration might imply. To counter a strong reliance on abundance as an indication of prestige, bead series were compared as percentages. Glass beads offer further attributes for study, such as size and shape, but these were not a focus because of time constraints and an interest in focusing on different artefacts more equally.

Figure 4.2: F4, Layer 2(iv), yellow, green, red, black, blue, and blue-green beads. Patina is evident on first, fourth, and fifth bead and creates a whitish colour, as in the next three figures.

Figure 4.3: F4, Layer 2(ii).

4.1.1.1.2 Recording of glass beads

Digital Vernier callipers were used to measure the diameter and length of beads. A Munsell colour chart was used to assess bead colour. Maximum values were taken for diameter and length measurements. Munsell colours were converted to Wood's (2011) colour groups which included black, brownish red, orange, yellow, green and blue (Wood 2011b:80, 81) (Figure 4.–4.3). Many black glass beads had begun to vitrify, covering them in a layer of light-coloured corrosion.

4.1.1.2 Results of glass bead analysis

A summary of the distribution of non-utilitarian metals and their density is provided below (Table 4.10). Only complete beads are used in these calculations, and fractured beads are noted in Appendix 1. Both A2 and C2 are used to compare across the site.

Table 4.1: Glass bead abundance summary table

Phases	Area	Square	Glass Beads, Un-fractured (n)	Soil Volume (m^3)	Abundance (beads/m^3)
Phase III(a), earlier	MST	F4	12	1,98	6,06
	MST	K8	4	1,3	3,08
	MST	MST Total	16	3,28	4,88
	Mapungubwe Hill	MK1	169	9,61	17,59
Phase III(a), later	MST	F4	13	2,85	4,56
	MST	K8	3	3,68	0,82
	MST	MST Total	16	6,53	2,45
	Mapungubwe Hill	MK1	99	10,95	9,04
Phase III(b), earlier	MST	F4	16	3,29	4,86
	MST	K8	4	3,78	1,06
	MST	MST Total	20	7,07	2,83
	Mapungubwe Hill	MK1	254	6,79	37,41
Phase III(b), later	MST	F4	88	3,84	22,92
	MST	K8	49	6,7	7,31
	MST	MST Total	137	10,53	13,01
	Mapungubwe Hill	MK1	420	9,64	43,57
Phase IV	MST	A2	417	4,93	84,58
	MST	A2 adjusted	795	4,93	161,26
	MST	F4	341	2,64	129,17
	MST	I9	32	4,25	7,53
	MST	K8	117	6,7	17,46
	MST	MST Total	907	18,52	48,97
	MST	MST Total adjusted	1285	18,52	69,38
	North-eastern Terrace (Map 4)	A7	26	2,77	9,39
	Mapungubwe Hill	MK1	1162	9,68	120,04

I9, I10, I11 and H9 were also analysed, but because of disturbances in soil and surface material, they were not considered with other bead abundances. Uncertainty about the number of bead bags that should come from C2 existed, and therefore its beads were not used for quantification. C2 interestingly contained fragments of a K2-Garden Roller (Table 4.1), likely in Phase III.

4.1.1.2.1 Variation at Mapungubwe

Glass beads from Phase IV in MK1 were compared with MST (four squares) to give a broader indication of the difference in abundance of glass beads (Table 4.1). K8 and I9 on MST contained lower abundances of beads than A2 and F4. K8 and I9 mostly contained floors and ashy soil in Phase IV, and other squares contained the rubble of living huts or storage huts (Sentker 1953, 1954; Eloff 1979, 1980). Archaeological contexts and activities undertaken therefore do not seem so different. Either way, it is evident that there is large variation among different parts of MST. MST's abundance, when adjustments are made for sieve sizes, is as large as nearly 60% (or 57.62%) of MK1's abundance (Table 4.1). and Excavation A7 of TS1 on Map 4's abundance is the lowest. MK1 contains a larger percentage of Mapungubwe Oblate glass beads (Figure 4.4), while the MST squares contain a larger percentage of East Coast-IP beads than MK1 does. At NET K2-IP, beads are still present in larger percentages, while K2-IP beads are low in quantity at MST and MK1. NET also seems to have a higher proportion of EC-IP beads.

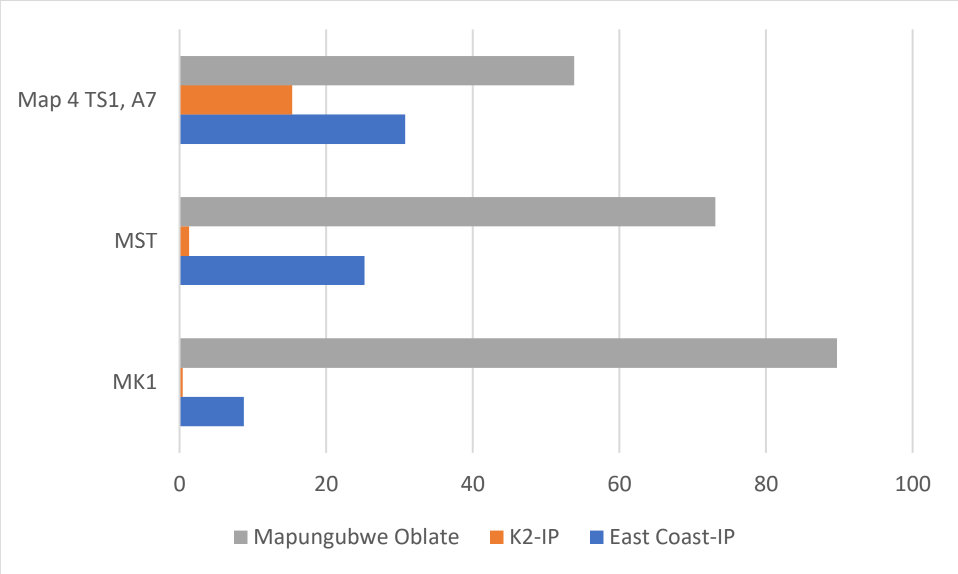


Figure 4.4: Bead series as percentage (%) of Phase IV totals, comparing MK1 area, MST area, and North-Eastern Terrace (A2, F4, K8, and I9).

When Mapungubwe is compared to other large sites, it is clear that, at Mapungubwe, like at Leokwe a little earlier (Wood 2005:159), there is also a difference in the distribution of glass beads. Areas such as MK1 and MST have greater numbers of beads, while TS1 A7 has fewer. TS1 A7 in NET is not a residential area, however, and this might explain the lower numbers of beads. TS1 A7 seems to have been excavated from the midden area near a kraal on the terrace, and middens sometimes provided greater quantities of beads than other areas (Antonites 2014).

A Pearson's Chi-square test was performed on glass bead abundances through MK1 and MST's different phases to test whether the distribution of beads through different phase sections were random or significant.

The results indicate that there was a significant difference between the abundances. The Chi-squared test was done with four degrees of freedom and ten observations (n=10). The contingency table developed for these values is inserted below (Table 4.2) and the Chi-squared value was 8,791614515. The right-hand tail probability was

0,066524496, which is below 0,10 and therefore indicates that it is somewhat unlikely that variation between MST and MK1 is only random and from the same statistical population. Had the right-hand tail probability been below 0,05, it would be very unlikely that the variation was random. MST's abundance was calculated with F4 and K8's data to remain consistent and A3, B3, B4, and B5 were used for MK1, as for the abundance above. Figure 4.5 illustrates the introduction of Mapungubwe Oblates through the different phase sections at MST compared to MK1. The test was done on Microsoft Excel 2016. Figure 4.6 then illustrates change from phase to phase between abundance at MST and at MK1 and indicates the difference focused on by the Chi-squared test.

Table 4.2: Contingency table of Pearson's chi-square test for MK1's and MST's Phase III and Phase IV sections.

	Phase III(a), Earlier	Phase III(a), Later	Phase III(b), Earlier	Phase III(b), Later	Phase IV
MK1	17,05894584	8,723065764	30,54970986	42,95483559	128,3634429
MST	5,411054159	2,766934236	9,690290135	13,62516441	40,71655706

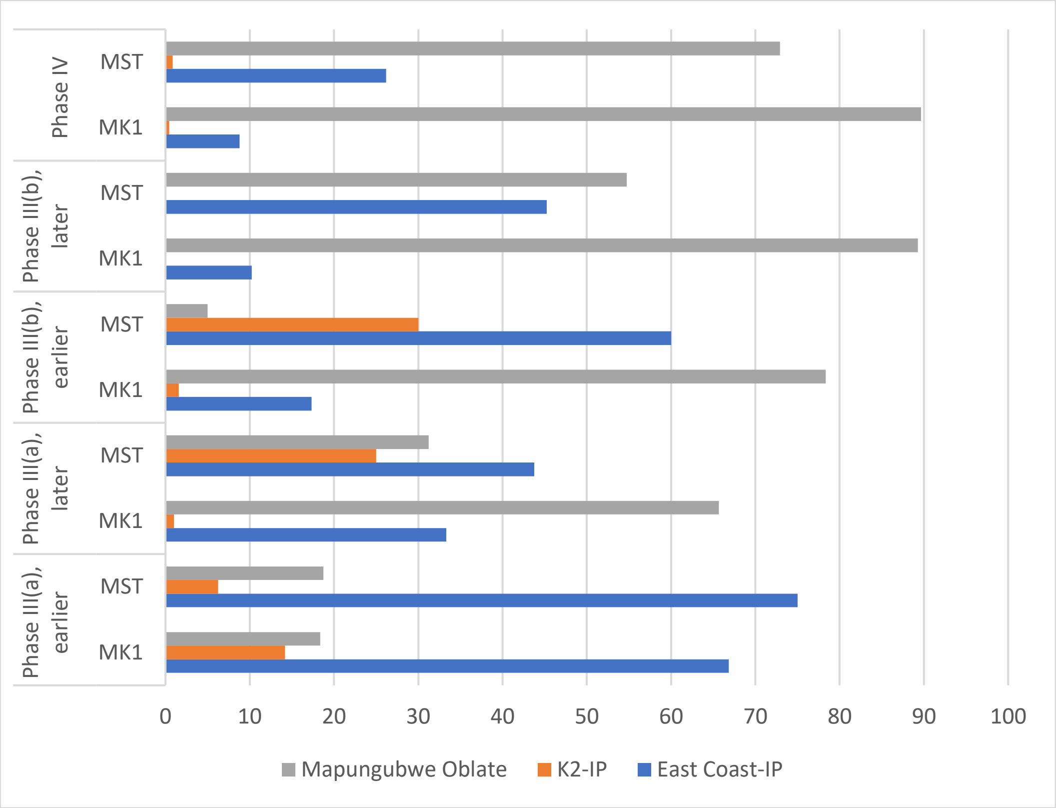


Figure 4.5: Percentage of series per phase per square.

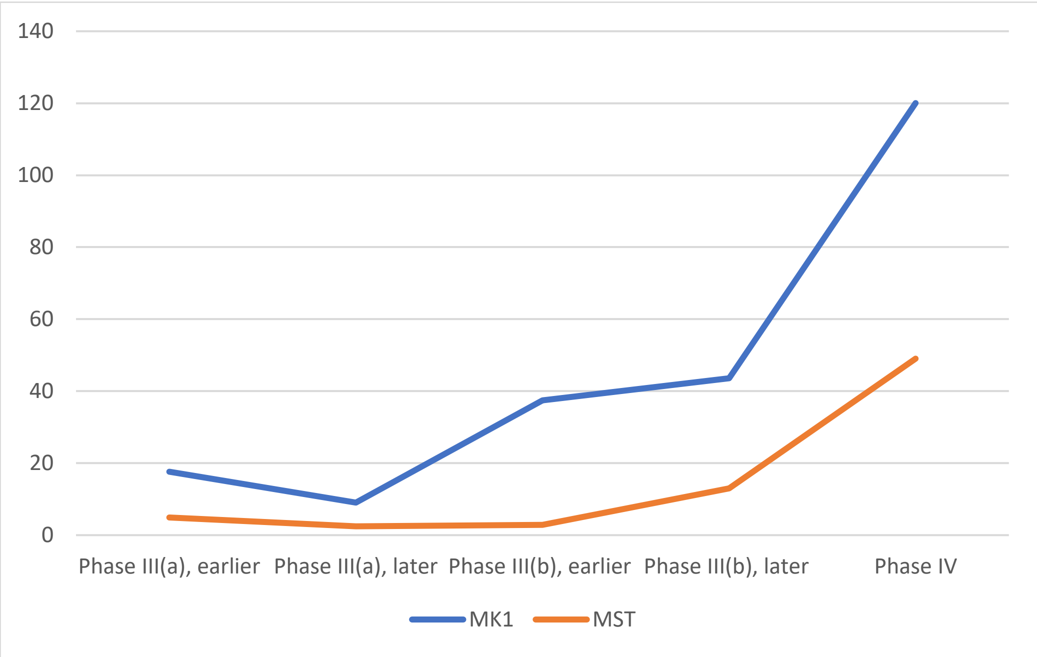


Figure 4.6: Abundance of glass beads through phase sections, compared between MST and MK1.

4.1.1.3 Comparison of Mapungubwe (or MST and Mapungubwe Hill) and other sites

A much larger difference seems to be present at Leokwe, where 3,4 beads/m^3 were found in Area A and 0,26 beads/m^3 beads were found in Area B (Wood 2005:159). The Tuli circle 2 site supplied very few beads and it was theorised that it was a less important site (Mothulatshipi 2008:254).

K2 was a combination of elite and commoner areas, with elite areas seeming to lie on the south-western slope of Bambandyanalo Hill. Wood notes that TS1 might have been in a midden on an elite area because of the higher abundance of beads from this excavation (Wood 2005:108).

Compared to MST, most sites had more beads (Table 4.3–4.5). When latter parts of the Mapungubwe Period (Phase III(b) and IV) are factored in, MST contains more beads than Skutwater, Mutshilachokwe, and Tshobwane. Mutshilachokwe and Tshobwane's occupations date from the K2 to Mapungubwe period, and lower numbers might be ascribed to an earlier context.

In terms of differences over time, it becomes clear that MK1 had access to newer series of glass beads, such as Mapungubwe Oblates, than MST did (Fig 4.5). NET also retained a large quantity of K2-IP beads for such a late part of the site's occupation (Table 4.1; Figure 4.2).

Table 4.3: Bead abundance per area, per period. Skutwater's data is from Wood (2005:159), with data from Van Ewyk (1987.)

Area and Period	Soil Volume (m^3)	Bead Number (n)	Abundance (beads/m^3)
MST: Mapungubwe Period	36,76	647	17,61
MK1: Mapungubwe Period	46,67	2104	45,08
Skutwater: Mapungubwe Period	222 (approximate)	1250	5,63

Table 4.4: Bead abundance per area per period. K2's data is from Wood (2005:107) and includes K2-Garden Rollers.

Area and Period	Soil Volume (m^3)	Bead Number (n)	Abundance (beads/m^3)
MST: Mapungubwe Period	36,76	647	17,61
MK1: Mapungubwe	46,67	2104	45,08
K2: K2 Period	45,4	2464	54,27*
Mutshilachokwe: K2 and Mapungubwe Period	38,23	87	2,28
Tshobwane: K2 and Mapungubwe Period	0,53	1	1,89

*from Woods (2005:100) table and includes K2-Garden Rollers, like Mutshilachokwe

4.1.2 Disk beads

The presence of manufactured beads could indicate more self-sufficiency at a site, as well as specialist craftwork. Bead manufacture may be inferred from incomplete beads. The assessment of bead completeness for this study was based on Kandal and Conard's (2005) classification, which was, in turn, based on Plug (1982), which is further discussed in Chapter 5 of this dissertation.

4.1.2.1 Disk bead size

Bead size became an important variable when Jacobson (1987:56, 57) posited that bead sizes could be used to differentiate between earlier hunter-gatherers and later herders in Namibia (Jacobson 1987). In contrast, research by Wilmsen (2015), however, argues that size cannot generally be used to distinguish between production of beads by hunters or herders because the same items of clothing or decoration might have been decorated with small and large beads (Wilmsen 2015:96).

Bead size was therefore measured but not used to differentiate between the identities of bead makers. Bead size may, however, help to identify production stages, and at the time, the author's focus was on finding out whether or not the beads reflected prestige or value differences. Different bead sizes and edge finishes might also reflect differences in patterns of prestige or other functions associated with disk beads.

Figure 4.7: Two sub-angular and burnt beads to the left and one angular to the right (although some rounding is evident on the inner layer).

Figure 4.8: Rounded beads of different types.

4.1.2.2 Raw materials

Disk beads were classified into raw material types according to Ward and Maggs' (1988) classification. Beads were classified into ostrich eggshell—sometimes referred to as OES—(Fig 4.9), fresh water bivalve—FBV—or Unionidae shells (Figure 4.10), Achatina—ACH—(Figure 4.11) for various species of the Achatina genus of land snails, or other types that could not be identified at the time.

Figure 4.9: The outer surface (with the cuticle partly rubbed away) on the left and inner surface of a disk bead on the right.

Figure 4.10: Fragments of freshwater bivalve (FBV) or Unionidae shell bead(s).

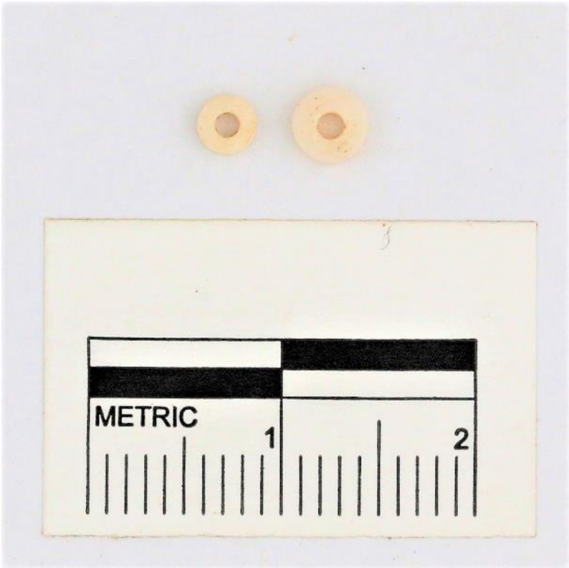


Figure 4.11: Achatina beads, with very smooth surfaces and an almost translucent quality.

4.1.2.3 Recording of disk beads

The analysis of the disk beads was similar to the analysis of the glass beads—the author continued calculating disk bead abundances and did not weigh disk beads. Because bead sizes were not ascertained for NET and Mapungubwe Hill, it was not possible to compare bead sizes across the site. Different attributes such as weathering, shape, and size were considered for these beads but only the more useful attributes were focused on in the chapter.

Raw material, size, shape of front, bead colour, and symmetry were noted to get a good idea of the appearance of the beads and to find out whether there were differences in the distribution or a change over time. These differences could perhaps be linked to prestige. Bead shape (of face and sides) and the completeness of perforations were also considered, to assess whether the beads were being manufactured near the squares under study. Weathering (such as breakage) was also considered, in case it affected the appearance and the number of beads present. Fragments were fitted together to ascertain whether they could be part of the same bead.

An FST 651 Stereo Zoom Binocular Microscope from Micro Met Scientific and a Coddington Bausch magnifying glass (with 10 times magnification) were used to identify raw material. A GRIP 0–150mm digital Vernier calliper, a GRIP 0–200mm Vernier calliper, and a KTV 150mm digital Vernier calliper (from Major Tech) were used to measure bead diameter, width, and perforation diameter. These measurements were made in millimetres and to two decimal places. Maximum values for each of these measurements (i.e. the largest value the author measured for perforation size, bead width, and diameter) were taken. This was done to ensure accuracy, especially for measurements of diameters and perforations, and to ensure that beads would not be damaged by pressure from the callipers.

4.1.2.4 Results of disk bead analysis

All MST disk beads were analysed by the author, and MK1 disk beads were analysed by Mouton (n.d.) (Table 4.6). Further comparison between Mapungubwe Hill and MST's beads will be available in Mouton's study of disk beads at Mapungubwe. No disk beads seem to have been manufactured at the site, as angular beads are present, but were already in stage 7 of manufacture or later (Kandel & Conard 2005:1714). These beads could therefore be strung together or sewed to clothing and are rounded enough to be used.

4.1.2.4.1 Variation at Mapungubwe

Disk quantities and abundances from Mapungubwe are summarised below (Table 4.6). C2 was chosen to replace A2, because the former was more complete. To compensate for the fact that only half of C2's soil was put through the finer sieve, beads smaller than 3.18mm were doubled. Only one bead suited this description and was therefore doubled to calculate a more representative abundance.

Table 4.5: Disk bead summary table with abundance per square meter, according to area and phase.

Areas and Phases	Block	Disk Beads (n)	Soil Volume (m^3)	Abundance (bead/m^3)
II	F4	80	6.15	13.01
	K8	6	3.02	1.99
MST Phase II Total		86	9.17	9.38
MK1 Phase II Total		115	13.79	8.34
III(a), earlier section	F4	21	1.98	10.63
	K8	5	1.30	3.85
MST Phase III(a), earlier section Total		26	3.28	7.94
MK1 Phase III(a), earlier section Total		176	9.61	18.31
III(a), later section	F4	38	2.85	13.33
	K8	6	3.68	1.63
MST Phase III(a), later section Total		44	6.53	6.74
MK1 Phase III(a), later section Total		108	10.95	9.86
III(b), earlier section	F4	22	3.29	6.69
	K8	48	3.78	12.68
MST Phase III(b), earlier section Total		70	7.07	9.90
MK1 Phase III(b), earlier section Total		97	6.79	14.29
III(b), later section	C2	61	3.43	17.78
	F4	112	3.84	29.19
	K8	56	6.70	8.36

MST Phase III(b), later section Total		229	13.96	16.40
MK1 Phase III(b), later section Total		160	9.64	16.60
IV	C2	31	3.53	8.78
	C2 adjusted	32	3.53	9,07
	F4	74	2.64	28.03
	I9	21	6.70	3.13
	K8	28	6.70	4.18
MST Phase IV Total		154	19.57	7.87
NET Phase IV Total		50	2.77	18.05
MK1 Phase IV Total		79	9.68	8.16
MST Total		609	59.58	10.22
MK1 Total		735	60.46	12.16
Grand Total		1344	120.04	11.20

In terms of other excavations at MST, a large concentration of disk beads was found at I11 (1391 beads and an abundance of 128,8 beads/m^3). H9 (with 247 beads) also had a higher disk bead abundance (at 55,26 beads/m^3). Considering that the soil was probably disturbed by burrowing animals, this is not certain, however.

Abundance of beads shows no clear pattern of change or differences between MK1 and MST (Table 4.6). While this dissertation will not compare MST to MK1 in terms of qualities outside abundance, change through time is indicated. Other sites such as Skutwater and Leokwe are compared to MST's below.

Over time, disk beads become more angular (Figure 4.12). Most beads are about 5mm (4.5–5.5mm) in diameter (Figure 4.13). Raw material use does not change much over time, and ostrich eggshell beads are the largest proportion of beads (Figure 4.14).

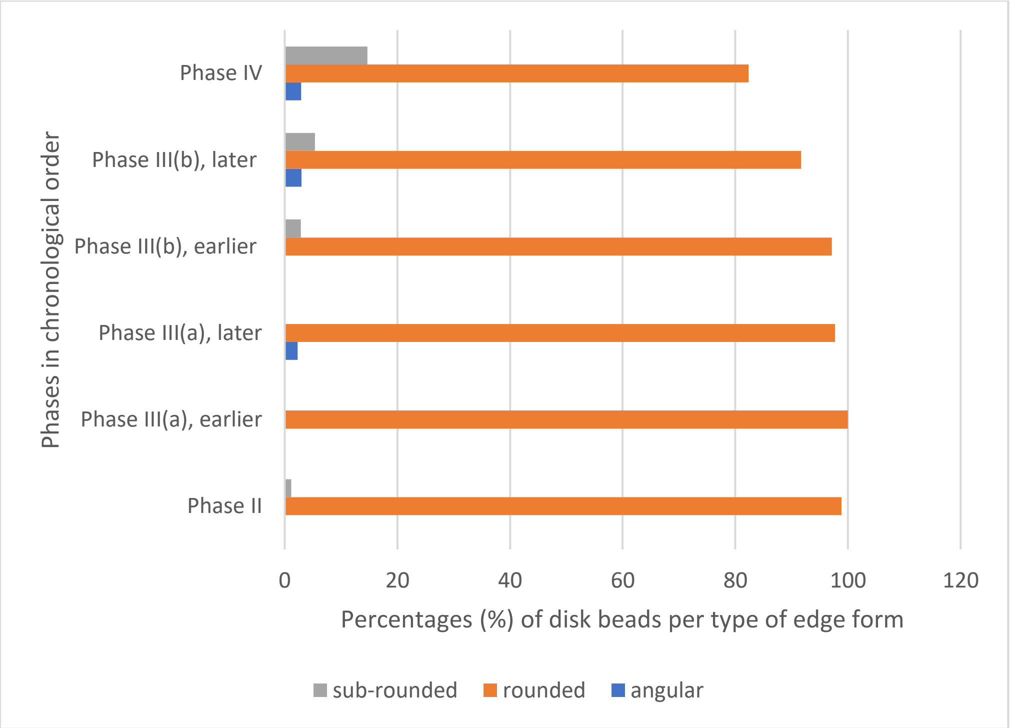


Figure 4.12: Disk bead edge form through phases at MST.

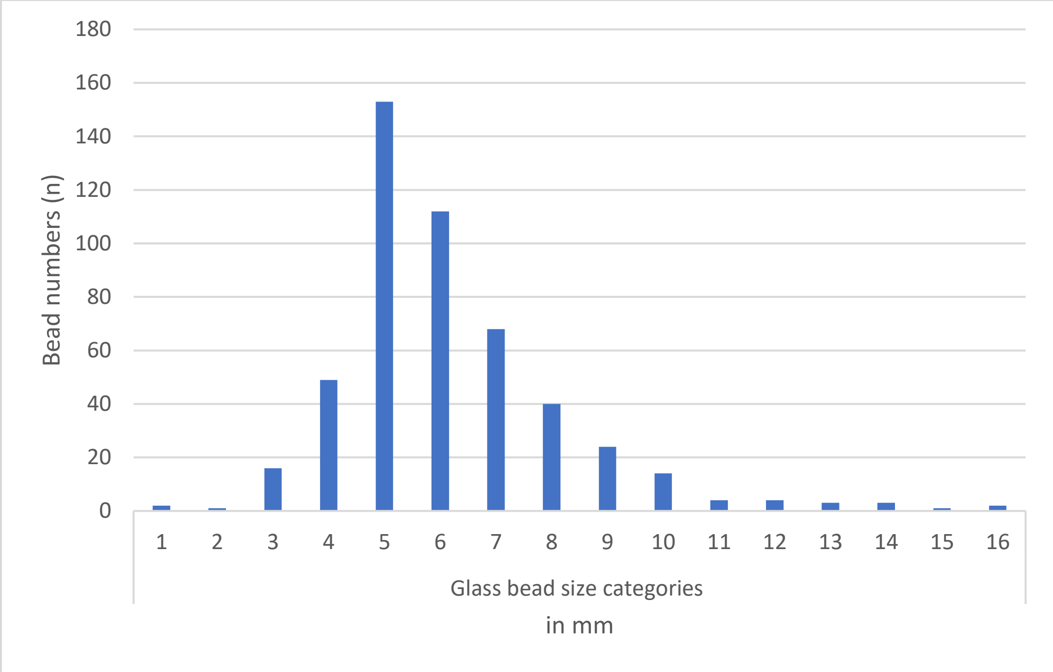


Figure 4.13: Number of MST disk beads per size category.

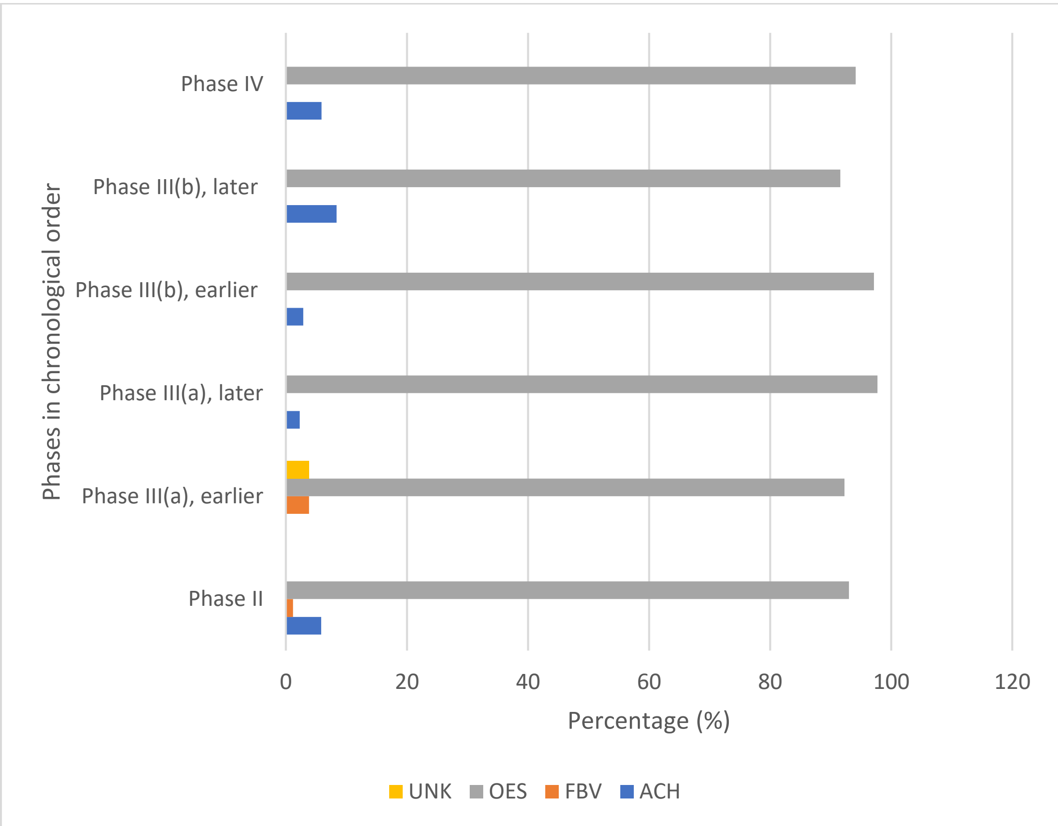


Figure 4.14: Raw material at MST through phases of occupation as a percentage.

4.1.2.5 Comparison of Mapungubwe shell disk beads and other sites

Manyanga (2006) does not note the presence of achatina or other mollusc shell beads at Mutshilachokwe or Tshobwane, and Van Ewyk (1987), who excavated Skutwater, noted no disk beads outside OES and bone beads. On the other hand, raw materials were noted in Leokwe Area A and B (Calabrese 2005:219, 222, 226, 242, 252, 261, 262). Leokwe is mainly a K2 Period site, however.

In order to compare MST to Skutwater, only Mapungubwe Period phases (Phase II–IV) were chosen. Phase II (K2 Period layers) and Phase II(a)—early Mapungubwe Period layers—were compared to Leokwe Areas (Table 4.7).

In the Mapungubwe period, disk beads were less abundant. There appear to be few or no differences between areas designated as elite areas and areas designated as commoner occupation areas (Table 4.7). When beads from the MST's and MK1's K2 and Mapungubwe Period are compared to beads that are likely from Mutshilachokwe's and Tshobwane's K2 and Mapungubwe Period, it seems that MK1 and Tshobwane had similar quantities per metre soil, while MST and Mutshilachokwe had fewer beads (Table 4.8). In terms of abundance, there appeared to be few or no differences between disk beads in elite areas and disk beads in commoner areas in the K2 and Phase III (a) part of the Mapungubwe Period (Table 4.9).

Table 4.6: Disk bead abundance across different sites and areas in the Mapungubwe Period

Sites and Areas	Disk Beads (n)	Soil Volume (m^3)	Abundance (beads/m^3)
Skutwater	1873	215,63	8,69
MST	410	36,75	11,16
MK1	449	46,67	9,62

Table 4.7: Disk bead abundance across different sites and areas in the K2 and Mapungubwe period

Sites and Areas	Disk Beads (n)	Soil Volume (m^3)	Abundance (beads/m^3)
MST	496	45.92	10.80
MK1	735	60,46	12,16
Mutshilachokwe	156	38,23	4,08
Tshobwane	7	0,53	13,21

Raw material indicates no clear consistent differences between elite and commoner areas. At Leokwe, differences between the dating of Area A and Area B were also small, and differences in raw materials cannot be ascribed to time (Calabrese 2005:211, 231, & 248). Bone beads have been left out of consideration, as there was no indication of whether Skutwater's were disk beads or cylindrical beads.

4.1.3. Metals and related material

Metal artefacts also fall into the category of prestige goods in Calabrese's (2005) theory. Non-utilitarian artefacts used for adornment, such as beads and helices or coils, were specifically thought to relate to prestige (Calabrese 2005).

Copper (Figure 4.15–4.16) seems to have been considered the more valuable mineral throughout Africa and was often used for ornamentation (Herbert 1984:208–210). Bronze and brass were only beginning to be used at Mapungubwe and were also associated with non-utilitarian goods (Jones 1937:17; Miller 2001:84, 85; 2003:1102). Iron (Figure 4.17), on the other hand, was used in both non-utilitarian artefacts and utilitarian artefacts. Arrow and spear points, hoes, rods, plates, and spatulas were classified as utilitarian (c.f. Miller 2001:87). Gold was usually used only for non-utilitarian articles (Herbert 1996:642). If these artefacts are considered prestige goods, there might still be differences in the prestige associated with the different types of metal. Metal-related artefacts were classified as iron-containing, copper-containing, gold, ceramic, or slag.

The amounts (weights and densities) of copper were compared across the squares chosen and across different sites to understand metals and the relationship between metals and prestige. Non-utilitarian iron artefacts were compared between MST and MK1 and different sites. The author tried to identify whether metals were used differently and whether the areas with the most copper were also the areas with gold. Because metal artefacts were frequently fragmented and were of varying sizes, more focus was placed on metal weights and density.

It should be noted that artefacts such as spears, hammers, and anvils could have symbolic, rather than practical, functions (Herbert 1993:134, 135). However, this cannot be ascertained from simply examining the artefact, and therefore, these artefacts were grouped under utilitarian types. A third category was related to the manufacture of metal or metal artefacts and constitutes ceramic crucible sherds, *tuyère* fragments, and slag. This category of artefacts may be related either to smelting or to the working of metal in a forge. Slag pieces from these two processes are difficult to distinguish, because smelting slag is often carried to forges with the bloom (Miller 2002:1100).

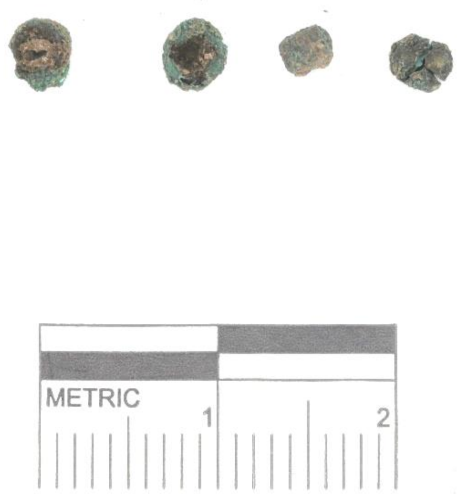


Figure 4.15: copper-containing beads, from Square F4, Layer 7(i).

Figure 4.16: I9 Layer 3- copper-containing helix/coil.

Figure 4.17: Iron helix/coil fragments from K8 Layer 2(i).

4.1.3.1 Recording of metal-related artefacts

The author began the recording of artefacts that were stored in the MRF and weighed, measured, described, and sometimes drew them. Separate forms were used for helices (also called coils), beads, and other artefacts. Raw material was identified by visual inspection, sometimes aided by a magnifying glass and a magnet to identify ferrous metals. Corrosion was also noted and described. At first, the diameter, length, wire thickness, perforation diameter, and weight of helices were measured, until it became clear that this was too time consuming. Drawings were made of some of these artefacts, indicating which measurements had been taken.

4.1.3.2 Results of analysis of metal-related artefacts

A summary of the distribution of non-utilitarian metals and their density is provided below (Table 4.10). Both Squares A2 and C2 are used to compare across the site.

Table 4.8: Change through time at MK1 and MST in terms of density (g/m^3)

Phases	Site	Block	Metal (General Type)	Soil Volumes (m^3)	Metal Mass (g)	Density (g/m^3)
Phase II	MST	F4	copper	6.15	17.9	2.91
		F4	iron	6.15	42.1	6.85
		K8	iron	3.02	0.31	0.10
	MST Total		copper	9.17	17.9	1.95
			iron	9.17	42.5	4.64
	Mapungubwe Hill	MK1	copper	13.79	2.86	0.21
		MK1	iron	13.79	14.3	1.04
Phase III(a), earlier	MST	F4	copper	1.30	3.7	2.85
		F4	iron	1.30	15.8	12.15
		K8	copper	6.72	3.98	0.59
		K8	iron	6.72	1.4	0.21
	MST Total		copper	8.02	7.68	0.96
			iron	8.02	17.2	2.15
	Mapungubwe Hill	MK1	copper	9.61	22.7	2.36
		MK1	iron	9.61	106	11.03

Phases	Site	Block	Metal (General Type)	Soil Volumes (m^3)	Metal Mass (g)	Density (g/m^3)
Phase III(a), later	MST	F4	copper	2.85	1.69	0.59
		F4	iron	2.85	9.5	3.33
		K8	copper	3.68	7.97	2.17
		K8	iron	3.68	5.71	1.55
	MST Total		copper	6.53	9.66	1.48
			iron	6.53	15.2	2.33
	Mapungubwe Hill	MK1	copper	10.95	7.93	0.72
		MK1	iron	10.95	45.2	4.13
Phase III(b), earlier	MST	F4	copper	3.29	1.73	0.53
		F4	iron	3.29	0.49	0.15
		K8	copper	3.78	7.94	2.10
		K8	iron	3.78	15.7	4.15
	MST Total		copper	7.08	9.66	1.36
			iron	7.08	16.2	2.29
	Mapungubwe Hill	MK1	copper	6.79	17.7	2.61
		MK1	iron	6.79	57.3	8.44
Phase III(b), later	MST	C2	copper	3.43	5.09	1.48
		C2	iron	3.43	6.02	1.76
		F4	copper	3.84	3.7	0.96
		F4	iron	3.84	9.99	2.60
		K8	copper	6.70	19.8	2.96
		K8	iron	6.70	22.2	3.31
	MST Total		copper	13.96	28.5	2.04
			iron	13.96	38.2	2.74
	Mapungubwe Hill	MK1	copper	9.64	9.9	1.03
		MK1	iron	9.64	59	6.12
Phase IV	MST	A2	copper	4.93	0.33	0.07
		A2	iron	4.93	7.49	1.52
		C2	copper	3.53	1.48	0.42
		C2	gold	3.53	0.06	0.02
		C2	iron	3.53	3.47	0.98
		F4	copper	2.64	4.42	1.67
		F4	iron	2.64	15.2	5.75
		I9	copper	6.70	0.06	0.01
		I9	iron	6.70	2.79	0.42
		K8	copper	12.16	1.76	0.14

Phases	Site	Block	Metal (General Type)	Soil Volumes (m^3)	Metal Mass (g)	Density (g/m^3)
		K8	iron	12.16	12	0.99
	MST Total		copper	23.26	8.05	0.35
			gold	23.26	0.06	0.00
			iron	23.26	40.8	1.75
	NET	Ts1, A7	copper	2.77	0.15	0.05
			iron	2.77	0.26	0.09
	Mapungubwe Hill	MK1	copper	9.68	3.23	0.33
		MK1	iron	9.68	36.6	3.78

4.1.3.2.1 Variation at Mapungubwe

A2, C2, F4, I9, and K8 were used to calculate the density or weight of non-utilitarian artefacts at MST for its spatial comparison to MK1 (Table 5, Figure 4.18). MK1 seems to contain twice as much iron per cubic metre of soil, but about the same density of copper artefacts. Iron artefacts such as helices are usually larger than copper ones and might therefore be present at a greater density. Metal artefacts are also usually larger than beads, and no adjustments according to sieve sizes were done for these artefacts. Because a chemical analysis on artefacts was not conducted, it could not be ascertained whether artefacts were copper or copper alloys (such as bronze and brass), and everything termed ‘copper’ in tables and figures is copper-containing material, while ‘iron’ is iron-containing.

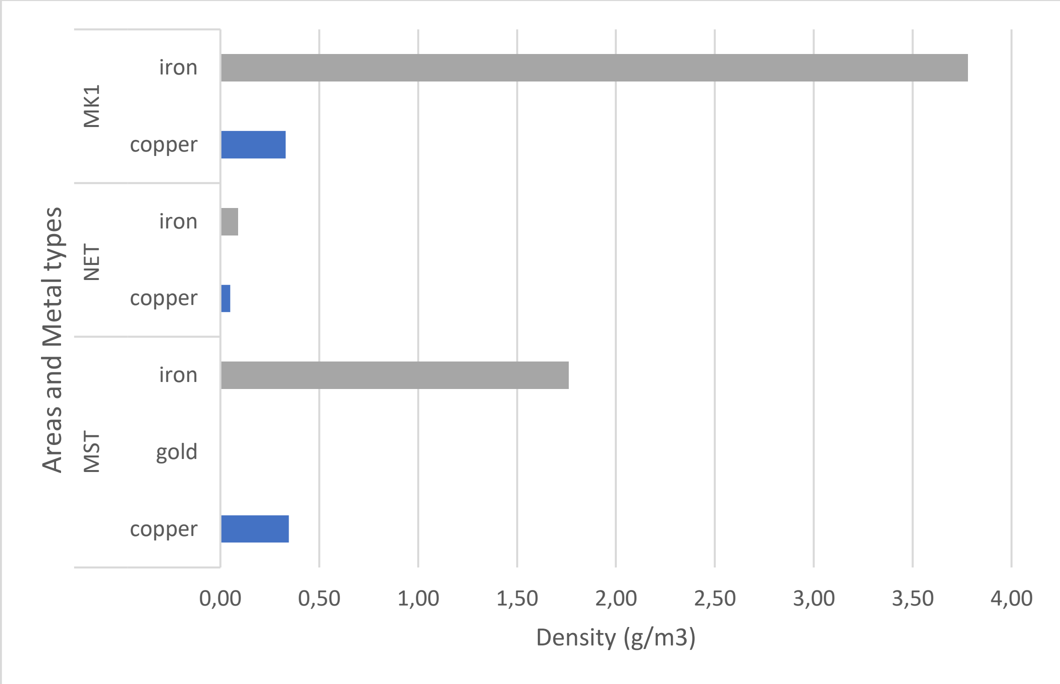


Figure 4.18: Non-utilitarian density (g/m3) of Phase IV (MK1, MST and North-Eastern Terrace)

When elite sites are compared, MK1 does not seem to contain greater quantities of copper- and iron-containing metals. Gold is present in greater quantities on Mapungubwe Hill, but no gold is present at MK1 (Table 4.10). As noted in Chapter 3, most gold artefacts were present in 3 of the 24 burials (Desai 2001:20, 21) or 27 burials (Steyn 2007:140). Outside of these graves, but still on Mapungubwe Hill, only an area to the south-east yielded gold wire and foil (Jones 1937:15). These are however not kept at the University of Pretoria and could not be analysed. On MST, one gold bead was found in C2 in Phase IV (Table 4.10), and no gold beads were found at excavation A7 of Ts1 on Map 4, NET.

A Pearson's Chi-square test was performed on the difference between the density of copper-containing metal at MST and at MK1. Copper-containing metal was chosen for this calculation, given copper's frequent association with prestige on the African continent and in southern Africa (Herbert 1984; 1996). The results indicate that MK1 and MST abundances do not differ significantly and could be from the same statistical population. The test was done with five degrees of freedom and twelve observations. The contingency table produced for this test is below (Table 4.9). A chi-squared value of 2,576844202 was obtained and the right-hand tail was 0,764880309, making it much larger than an alpha value of 0,05 or even 0,1. The distribution of copper densities across different phases cannot therefore be considered significantly dissimilar. Only K8 and F4 were used to calculate MST's abundance again, and the test was done on Microsoft Excel 2016. Figure 4.22 illustrates how similar changes in copper and iron quantities are.

Table 4.9: Contingency table of Pearson's chi-square test for MK1's and MST's Phase II, III, and IV sections.

Non-Utilitarian Copper	Phase II	Phase III(a), Earlier	Phase III(a), Later	Phase III(b), Earlier	Phase III(b), Later	Phase IV
MK1	1.39	1.44	0.73	1.76	1.44	0.50
MST	1.74	1.80	0.91	2.22	1.82	0.64

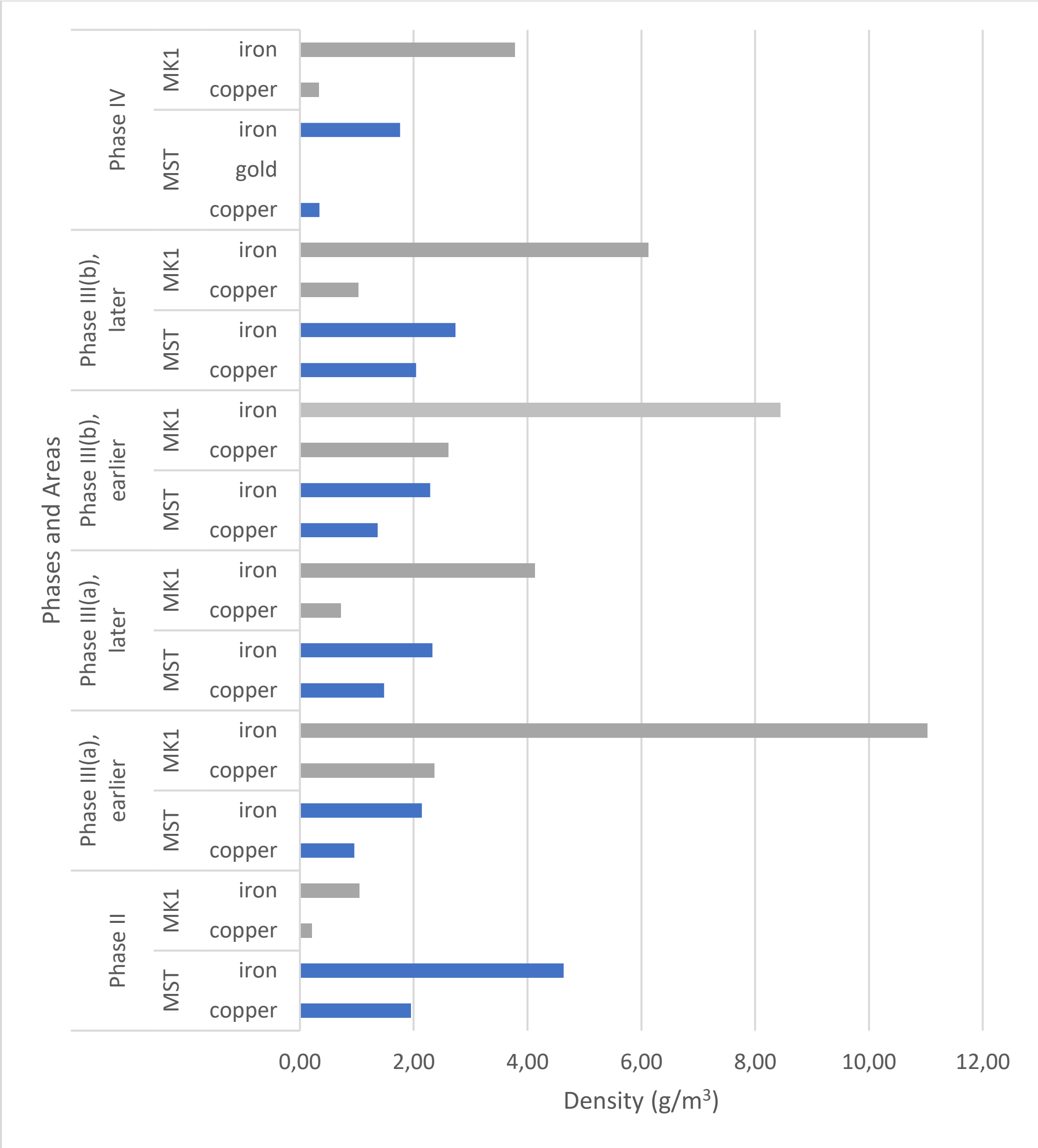


Figure 4.19: MK1 and MST non-utilitarian density over time.

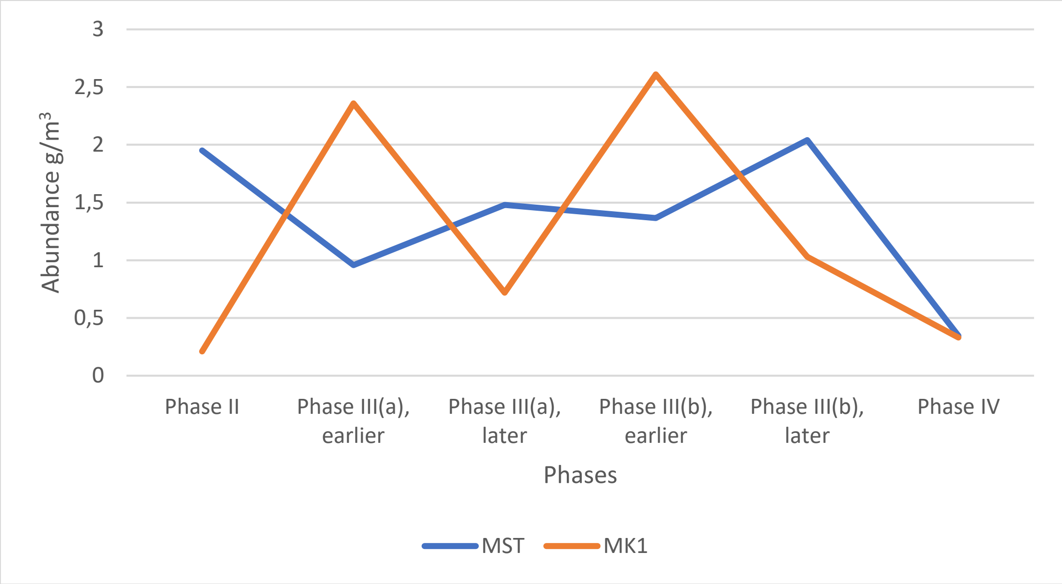


Figure 4.20: Non-utilitarian copper

4.1.3.3 Differences between non-utilitarian metal at Mapungubwe and other sites

At Leokwe, some difference is visible between elite occupations and commoner occupations, although the difference does not seem to be significant (Table 4.14) (Calabrese 2005:336). Leokwe, therefore, interestingly differs from Mapungubwe. At the Tuli circle site no metal was found, but some slag was present (Mothulatshipi 2008:204). Because no weights were provided for Tshobwane, Mutshilachokwe and Skutwater metal densities could not be directly compared to MST. Only fragments of iron were found in Layer 4 of Trench 1 at Mutshilachokwe. Iron slag was found in Layer 3 of Trench 3 and Layer 1 of Trench 5 (Manyanga 2006:145, 146). Wound copper and slag were found in Layer 1 of Trench 1 at Tshobwane (Manyanga 2006:147). MST therefore likely contained more copper- and iron-containing metals. Other sites south of the Limpopo studied by Calabrese (2005:336) provided lower densities of copper and iron-containing artefacts (Table 4.14). No gold was noted for any of these sites.

Table 4.10: Non-utilitarian metal weight (g) and density (g/m3) contemporary with Leokwe Hill Western Summit and Northern Terrace. From Calabrese's (2005:336) study.

	K2 [TS5 and TS6(A2)]		Baobab		Castle Rock		Mapungubwe [B3, B4, Phase II and III(a)] from Calabrese		Mapungubwe [A3, B3, B4, B5 Phase II and III(a)] from author's calculations		MST [Phase II and III(a)]		Leokwe Hill western summit		Leokwe Hill Northern Terrace		Edmondsburg	
Soil Volume (m^3)	22,17		7,36		9,25		14,22		34,35		14,3		18,15		19,21		6,68	
	g	density (g/m^3)	g	density (g/m^3)	g	density (g/m^3)	g	density (g/m^3)	g	density (g/m^3)	g	density (g/m^3)	g	density (g/m^3)	g	density (g/m^3)	g	density (g/m^3)
Copper	34,8	1,57	0	0	0,91	0,1	18,88	1,33	33,51	0,98	134,4	2,47	7,4	0,41	3,71	0,19	0	0
Iron	38,16	1,72	0	0	3,74	0,4	36,9	2,59	165,48	4,82	227,4	5,24	24,4	1,35	4,42	0,23	0	0

4.2 Discussion

Comparisons of abundances and densities and further analysis seem to show that glass beads were associated with prestige and that gold as well as copper and iron-containing metals were probably associated with prestige. Because excavators did not provide the weights of metals found at more northern sites, such as Mutshilachokwe and Tshobwane, it was difficult to compare metal densities to as many sites as would be preferred. At Mapungubwe and at sites such as Leokwe, metals seem to be linked to prestige. Disk beads, on the other hand, occur in similar quantities at places with different levels of prestige and therefore do not seem to be associated with prestige.

4.2.1 Areas associated with prestige

As noted in Chapter 2, it is likely that the number of followers or dependants could be used as a sign of prestige and power, and therefore large settlements or growing settlements could be seen as areas of prestige. Settlement or burial in more elevated areas is also often a sign of prestige, even if it is not an absolute indication (Beach 1998:58; Chirikure *et al.* 2016:79). .

4.2.2 Glass beads, disk beads and metals at Mapungubwe and surroundings

4.2.2.1 Glass beads

It is argued that glass beads and non-utilitarian metal artefacts are prestige goods because of their presence in seemingly elite areas. Large numbers of glass beads, specifically, seem to be closely correlated to elite areas. For example, excavated parts of Leokwe Hill—e.g. the Western Summit—have more beads per soil than surrounding areas of the site, such as, Area B, the Northern Terrace (Wood 2005:159). Mapungubwe Hill and MST have more beads per metre soil than NET, for instance, or than Skutwater (Table 4.4).

Excavators of other surrounding sites, such as Mothulatshipi (2008), who excavated the Tuli Circle, also indicate that glass bead numbers were lower than those at Mapungubwe Hill. Exact numbers of beads were, however, not provided, since the study was more focused on environmental factors (Mothulatshipi 2008). Glass beads furthermore differ by type as wound beads are not found in any of these sites, except at Mapungubwe Hill (Gardner 1963).

MST also obtained new bead types after MK1 and the rest of the Hill, and therefore seems to have had later access to these artefacts (Figure 4.2, 4.3). Pearson's chi-square test indicates that bead abundances from different phases at MST and MK1 differ to such an extent that variation between the two is not simply random. Wood (2005:141) also notes the large numbers of black beads in burial sites, interpreted as elite burial sites, on the Hill.

As can be seen in the earlier parts of this chapter (Table 4.1), glass beads were present in increasingly greater proportions at MST and MK1, even though the proportions of both disk beads and metals decrease (Figure 4.4, Figure 4.17, Table 4.6, Table 4.11). The large quantity of beads on Mapungubwe Hill has been remarked on before by Schofield (1958:208). He noted that the value of beads might have decreased so much that their consumers did not bother picking them up anymore.

Costly signalling would suggest that once artefacts are too easy to make or obtain, they are no longer useful as prestige goods (Hayden 1998:34). Prestige economy models suggest that elites would now need to find a new source of prestige in order to prevent a loss of power. Therefore, black Mapungubwe Oblates would not be as valuable as they were at the beginning of the Mapungubwe Period occupation of the site.

4.2.2.2 Disk beads

In terms of distribution between Mapungubwe Hill and MST, disk beads did not seem to indicate prestige. Disk beads were likely worn alongside glass beads, as Moffet and Chirikure (2016:370) note. Because only MK1's disk bead quantities could be used, only certain attributes of disk beads could be compared adequately. Disk beads are more abundant in the K2 Period and the early part of the Mapungubwe Period at Leokwe, MST, and MK1 (Table 4.5, 4, 6) and later decrease. The numbers of these beads are however very variable, and elite areas such as MK1 and Leokwe Area A do not consistently have a greater or smaller abundance than their accompanying commoner areas.

4.2.2.3 Non-utilitarian metals

Metals at Mapungubwe need to be discussed in a little more detail, given the more complicated pattern of distribution at these sites. The similarity of the amounts of copper and iron on Mapungubwe Hill and MST complicates the more hierarchical spread one might expect after considering glass beads. At K2 these numbers also seem to have been higher, but at NET and small sites surrounding Mapungubwe copper and iron non-utilitarian items are found in lower densities.

In terms of a hierarchy of access to metals, Mapungubwe Hill and MST have larger densities of copper and iron than a site such as Leokwe, and MST seems to have a greater abundance of metal in Phase II and III(a) than MK1 in Calabrese's (2005:336) calculation (Table 4.8). In my calculations (that also included A3 and B5 of MK1 over and above the squares used by Calabrese), MK1 and MST have very similar densities of copper and iron non-utilitarian artefacts (Table 4.8). A chi-squared test of the density of copper across phases and phase sections also shows that these metals are from similar populations. Figure 4.22 shows that similar changes occurred above and below the Hill.

Sites such as Tshobwane (Manyanga 2006:149) also do not seem to have large numbers of non-utilitarian metals, and only one piece of wound copper is mentioned. At Mutshilachokwe (Manyanga 2006:149; Mothulatshipi 2008:129), metals are noted but not quantified, and at the Tuli Circle 2 site, no metals were excavated, although slag and signs of metal work were found (Mothulatshipi 2008:202 204).

Miller suggests that gold took the place of copper in non-utilitarian contexts at Mapungubwe. What makes the value of gold difficult to assess, is its rarity outside of three graves on Mapungubwe Hill. Jones' (1937:15) chapter attests to gold foil and wire outside graves at the south-western end of JS4.

When burials on MST and Mapungubwe Hill are compared, it becomes evident that Mapungubwe had greater access to glass beads and gold beads. The only burial on MST about which enough information could be found was the burial of the child's head. The absence of the body already seems to indicate that the nature of the burials was very different and perhaps not comparable. Considering grave goods, the one in F4 contained only disk beads, while those on Mapungubwe Hill contained glass beads, copper, and iron, while three of these graves contained large quantities of gold.

What does seem interesting about gold artefacts at the site is their symbolism. The position of the "sceptre" within the burial suggests that it was in fact held in the hand and could be associated with prestige (Woodborne, Pienaar, & Tiley-Nel 2009:1). The golden "bowl" has been interpreted as a headdress according to Steyn's (2007:141) notes regarding a letter from Van Graan found in the Mapungubwe archives. However, Duffey (2012:180) argues that it might have been used as a bowl to pour water into another divining bowl. He argues that the famous gold rhinoceros, feline, as well as other animals were nailed to a carved divining bowl (Duffey 2012). The possibility, therefore, exists that gold was specifically associated with important religious as well as political positions.

4.2.3 Conceptual frameworks that might explain prestige goods at Mapungubwe

Models that posit a link between trade goods and prestige now seem worth considering. The hierarchy of access to beads could be explained by the prestige economy model of Friedman & Rowlands (1978). Prestige goods with foreign influence and agency as artefacts also shed light on some of the ways that prestige goods might have influenced Mapungubwe society.

The discussion above makes it evident that glass beads meet requirements regarding a hierarchy of sites and an unequal distribution of glass beads. While glass beads such as K2-Garden Rollers were no longer being made, the craftsmanship of beads, jewellery, and other goods could be considered craft work (Friedman & Rowlands1978:224). As noted above, glass beads were imported from foreign areas, and some bead types likely had a high value given the transportation, sale, and likely taxation of these goods (Wilmsen 2009:270). This agrees with Friedman and Rowlands’ (1978:224) model. The other interesting link between this model and the glass beads around Mapungubwe is the fast increase in inequality of access to beads in the K2 Period (Wood 2011:38–39) and the possible decrease in bead value as soon as so many beads became available. This matches the transitory nature of Friedman and Rowlands’s (1978:228) description of this economic system. They point out that artefacts increase quickly as they begin to be used to link settlements into hierarchies and as they provide a means to prestige (Friedman & Rowlands1978:225). The prestige goods system might also break down as trade networks become more extensive and prestige goods become more accessible (Friedman & Rowlands1978:232).

As noted above, there was a lack of storage areas of glass beads (except at Kgaswe, a commoner site). Denbow (1982) makes it difficult to support Hall (1987) and Huffman's (2000:24) theories regarding the benefits of accumulating glass beads as prestige goods. Hundreds of beads were found in the Burnt Hut excavation at MST (Schofield 1958:206-207), but one item of beadwork could possibly incorporate thousands of beads.

The use of metals seemed to increase in K2 times, and new types of metals (such as gold and bronze) were incorporated into the economy in Mapungubwe times, indicating the expansion of craft work and trade which would be necessary to support a prestige goods economy (Friedman & Rowlands1978:224, 225).

In terms of metals, the presence of Friedman and Rowlands' (1978) prestige goods economy is supported by the fact that metals could be obtained through tribute or taxation (Friedman & Rowlands1978:225).

Rowlands and Frankenstein's (1998) approach to prestige goods is very similar to that of Friedman & Rowlands (1978), but draws more attention to the effects of breaks in redistribution and loss of control over trade goods (Rowlands & Frankenstein 1998:339–340). They note that, if leaders could not maintain the redistribution of goods, they would lose followers (Rowlands & Frankenstein 1998:339–340). If leaders wanted to expand their power, they would need to find new sources of prestige goods (Rowlands & Frankenstein 1998:339–340).

Ekholm's (1978) views on the prestige goods economy also deals with the ways in which descent is reckoned and it is therefore difficult to find examples of this in the archaeological record. She notes that a surplus generated through the prestige goods system is probably not stable given the need for the system to expand to sustain itself (Ekholm 1978:124). The large distribution of Mapungubwe ceramics and possible influence of the society might attest to the validity of this model (Huffman 2000:22).

Coquery-Vidrovitch's (1978:277) model of trade in Africa is not linked to specific types of societies and does not focus on social structure very much. It considers elites and commoners and trade but does not go into much further detail (1978). Large celebrations and other forms of redistribution and destruction of wealth are some possible signs of this system (Coquery-Vidrovitch 1978:277). These would be difficult to spot, however. In more general terms, Friedman and Rowlands's (1978) model might be considered a single type of expression of the part played by trade in a society as described in Coquery-Vidrovitch's approach. Glass beads and metals—which were also obtained from settlements further away from Mapungubwe—(Chirikure 2013:72) are all trade goods.

Prestige goods may also influence societies through their association with other places. Changes in social organisation to a more urban, hierarchical society have been linked to importation of foreign ceramics, as well as changing beliefs, at Swahili sites.

When the importance of gold at Mapungubwe is considered, it becomes evident that at least one type of good was seen differently because of long-distance trade. It is uncertain whether this was because ideas from Swahili or other trading groups were accepted, or whether this was because the high trade value of gold influenced Mapungubwe's valuation of goods.

4.2.4 Other types of prestige goods

If glass beads and non-utilitarian metal artefacts were not used in a prestige economy, other types of goods may have been used this way or may simply have been used to indicate prestige. Followers were likely the most direct indicator of prestige (Chirikure *et al.* 2016:339), but goods such as livestock could also have indicated prestige. Cattle are seen as likely having been used in social transactions such as the payment of bride prices (Voight 1978: 322; Calabrese 358–359). Badenhorst *et al.*'s (2011:169) study, however, indicated that there was no marked difference between the ratio of cattle to sheep and goats at MST and Mapungubwe Hill. The same patter occurs on the smaller sites near Mapungubwe, which show Maps 23 and 24 (Badenhorst *et al.* 2011:28).

It is therefore evident that, at Mapungubwe, artefacts such as glass beads and gold are found in greater numbers at parts of the Mapungubwe site (such as the Hill) that are already associated with prestige. At Mapungubwe, therefore, political and economic power seems to coincide to a large degree. If gold and glass beads were not used in a prestige economy, other goods as well as human dependants might also have served as measures of economic power. Cattle, however, do not seem to have been more closely associated with elites than other livestock were (Badenhorst 2011).

The close association between trade and changes in social organisation has been attested to (Pikirayi 2017). When this is considered, it becomes clear that other artefacts should have played a large part in trade. Small goods such as cowrie shells, as well as less durable goods such as cloth, might have played a large part in this trade, but they could not be focused on as closely in this study. It is still possible that other sources of elite power were used alongside those that drew on trade, but these will be discussed in the next chapter.

4.3 Conclusion

In conclusion, it is therefore difficult to say with finality whether a prestige goods economy was present at Mapungubwe. It is, however, clear that glass beads and metals such as gold, copper, and iron were associated with prestige and that, at Mapungubwe, the area associated with political power was also associated with more material indicators of prestige. Cattle, although frequently cited as prestige goods, do not seem to have been utilised more intensively in comparison to other animals in elite areas. This could indicate that most animals were valued as prestige items or that none were. The smaller focus on cattle indicates, as Badenhorst (2010) notes, the possibility of more emphasis on matrilineality and higher status for women.

Less reliance on cattle to indicate prestige might also indicate a weaker link between societies such as Mapungubwe, which seemingly did not place a strong emphasis on cattle, and societies such as Toutswe (Denbow 1986:18) or possibly Great Zimbabwe (Garlake 1978; Moffett and Chirikure 2016:339; Pwiti 1991:128) which seems to show a greater reliance on cattle. This seems to indicate that either glass beads and metals, or livestock, or non-material forms of power, such as importance in religious ceremonies, were used to support inequality. The combination of gold’s value as a trade good and its value in symbolic artefacts (that could be linked to religion and ritual) is also interesting.

In the next chapter, therefore, the possible sources of elite power at Mapungubwe will be discussed, information about Mapungubwe will be placed in a larger southern African context, and research questions and findings will be evaluated. Limitations of this study and further recommendations will also be considered.

Chapter 5: Significance of Findings

5.1 Introduction

Prestige goods at Mapungubwe have played a central part in highlighting the importance of the Mapungubwe site and have indicated some of the ways in which people might be connected across the region. In the previous chapter, the data that indicate the association between goods such as glass beads and metals were provided and were compared to theories discussing a prestige goods economy and the influence of prestige goods on society. In this chapter, inferences are placed in further context.

The first section below is focused on the significance of findings when viewed in a larger context. The sources of inequality are examined, and the effects of trade, the influence of religion and ideology, and the ownership of livestock are considered. The likelihood of their prominence alongside or instead of a prestige goods system is discussed. Thereafter, prestige is compared to sites around Mapungubwe, and the prestige evident in material goods is considered. Prestige at Mapungubwe is the focus of the final subsection, and MST is placed in a middle or varied position of prestige.

In the next section of this chapter, the achievement of the study's objectives will be considered, and then in the limitations section, problems that were noticed are discussed. The significance of these problems is indicated, and steps taken to mitigate or solve them are noted. Then, the more general implications of this study for other research are considered. Future directions are offered, and the conclusion of this chapter is presented.

5.2 Findings in larger context

5.2.1 Sources of elite power in Mapungubwe society

This research indicates that elites at Mapungubwe had more control over artefacts such as glass beads, gold and probably copper- and iron-containing artefacts that had non-utilitarian or decorative functions. Some uncertainties remain regarding the exact nature of exchange at Mapungubwe and the economic system that existed. Other explanations have been posited for the creation of elites in Zimbabwe tradition societies, and these include the greater integration and different types of organisations prompted by trade, religion, and beliefs. The enlargement of their herds of livestock has also allowed elites to maintain power in other societies. Pikirayi (2017: 880) argues that changes in trade accompanied changes in social organisation and that the link between the two is difficult to ignore. As many researchers argue, however, it is possible that a combination of causes could create the conditions that allow societies to become more complex (Pwiti 1991; Huffman 2000; Manyanga 2006:217). It is therefore worthwhile considering some of these possible causes.

While trade might have played a part in a prestige goods system and created prestige for certain families or individuals, trade could also have encouraged more tightly knit organisation (Pikirayi 2017). More extensive trade could bring more goods that were obtainable by people who already had more power and prestige. This theory allows for more agency among the producers of locally made goods and the traders of other goods.

Other sources include religion (Manyanga 2010; Chirikure *et al.* 2013:359, 362; Moffett & Chirikure 2016:350). Changes in ideology were also given consideration (Pwiti 1996), and it is clearly important that positions of prestige had to become acceptable to society in general before inequality could truly be allowed to exist

(Hayden 1998:22; Pwiti 1996:35). Leaders may also have overseen the enlargement of the resource base (Brumfiel & Earle 2008:4). Methods of agriculture do not seem to have changed much prior to or during Mapungubwe's inception, however, and therefore agriculture does not seem to have played an active role in the formation of inequality (Badenhorst 2010). Sources of power, such as military power, have not been closely studied and are difficult to assess. Finally, archaeologists have also suggested that societies such as Mapungubwe, Mapela, and others interacted, traded, and competed, and in the process prompted greater inequality and/or heterogeneity within societies (Chirikure *et al.* 2013:361).

The focus on religious and perhaps even ideological changes seems promising. Monroe (2013:20) notes that influence over spiritual matters is an important way to achieve power on the African continent. Archaeologists also note that religion has played an important part in society even in the recent past (Manyanga 2010; Chirikure *et al.* 2013:359, 362; Moffett and Chirikure 2016:350) and could have provided the type of control that would allow elites to have enough power to dictate access to glass beads. Ideology and religion might also influence one another, because of their roles in understanding the world, encouraging certain morals and behaviours and allowing certain people certain types of power.

Most authors seem to argue that complexity and inequality were the result of different factors and sources of power elites and rulers might draw from. The most immediately influential of these seem to have been trade (and possibly the prestige goods economy) and ideology which likely had to change to allow inequality. It is therefore probable that prestige goods influenced society alongside other factors such as ideology and religion. It is entirely possible that centres of power competed and influenced one another as suggested by Chirikure *et al.* (2013:361), but this is not the focus of this dissertation.

5.2.2 Prestige at Mapungubwe in a larger context

Moffet and Chirikure (2016) note several issues that trade-based models (of which the prestige goods model is one) have when applied to the Mutapa and Torwa-Changamire states. They note that the settlements of rulers rarely had as many trade goods (such as glass beads) as trading centres had (Chirikure *et al.* 2016:352). They also note that Mutapa and Torwa-Changamire rulers did not seem to control access to goods to and from trade networks and that traders would pass from village to village without having wares controlled by rulers (Moffett & Chirikure 2016:352). Chirikure *et al.* (2018) also notes that economic power and political power do not always coincide.

There is however no reason to assume that no change could occur between the habitation of Mapungubwe and the creation of later states such as the Torwa-Changamire or Mutapa. There is also no reason to assume that the Mutapa state, in northern Zimbabwe, and Mapungubwe, south of Zimbabwe, would have the same practices. Chirikure *et al.* (2013) have highlighted patterns that differ between Mapungubwe and Khami, and Great Zimbabwe and Mutapa settlements. Lane (1994) and others have argued against the application of ethnographic and historical information too far into the past, and taking this advice into account would allow one to consider that the Mutapa and the Torwa-Changamire states could therefore have had different economic systems and practices. Authors often also imply that trade connections multiplied and became stronger during the Zimbabwe tradition times (Wood 2011:38; Pikirayi 2017:882). More regular trade is often considered to counter elite monopoly of prestige goods (Friedman & Rowlands1978:232; Smith 2004:89).

The greater availability of trade goods increases the opportunities for commoners or lower status elites to acquire more goods (Smith 2004:89). Smaller centres may also start to produce their own prestige goods (Friedman & Rowlands1978:232). This, in turn, would have meant that goods became less valuable.

5.2.3 Prestige at Mapungubwe Southern Terrace (MST)

Because MST contained more glass beads per square metre and more iron and copper-containing non-utilitarian artefacts than Leokwe Area A, it might be worthwhile to consider whether some elites lived on the MST part of the site chosen for study. In the Mapungubwe Period, however, MST seems to contain fewer glass beads per square metre than Skutwater, which either indicates unexpected prestige for the latter site or commoner status for this part of the MST. The small differences between the density of iron- and copper-containing non-utilitarian goods at Mapungubwe Hill and MST should also be considered. MST also contained a greater density of these goods than any other site considered for comparison. It should be noted, however, that Skutwater’s metal artefacts were not weighed and could therefore not be compared in this way.

5.3 Evaluation of objectives and research question

The objectives that were set for this dissertation and the research questions this study attempted to answer are evaluated below.

5.3.1 Objectives

To achieve the aims of this study and answer the questions chosen, the first objective was to provide a background to Mapungubwe and the prestige goods model that was applied at the site. Glass beads, the first of the goods considered, have been present in southern Africa since the 7th or 8th century (Wood 2011:26) at Nqoma, and these are categorized as Chibuene series beads. Changes in trade and prestige occurred during the K2 Period and later at Mapungubwe. Gold began to be used within society instead of simply being traded, and Mapungubwe became a more important settlement and its Hill likely provided settlement to its ruler (Huffman 2000). At this point, different groups of people, such as foragers, herder, and farmers were already present in the SLCA and surrounding areas. Huffman (1982:143; 2000:24), Hall (1987:98), Calabrese (2005), Wood (2011), and Wilmsen (2009; 2014; 2017) have suggested that the prestige goods system was responsible for the rise of elites in the SLCA and the creation of the state. Trade in general has been offered as a system that supported the power of Mapungubwe in the region (Pikirayi 2017).

Important alternatives to the prestige goods model are the gathering of large cattle herds and the breeding of surplus cattle (Garlake 1978; Pwiti 1991; Moffett & Chirikure 2016), religious leadership that established cohesiveness in large groups, and ideology that allowed the creation of great inequalities in prestige and power (Pwiti 1996). This background provided a setting for theories and models regarding prestige as well as inferences made from results.

In keeping with this study's research questions, the second objective was to clarify which signs of prestige goods there were for systems that might support the inequality between elites and commoners. Because these would so closely influence methods of analysis, the two sections were not placed in separate chapters. Two models describing the impact of prestige on societies were considered, and their origins and other models closely linked to these were noted. The prestige goods economy was summarised by Friedman & Rowlands (1978), and similar models included Coquery-Vidrovitch's (1978) African Modes of Production, Ekholm's (1978) model for the prestige goods economy in the Kongo Kingdom, and earlier models such as

Meillassoux's (1978) self-sustaining economies. Because there might be other ways to use economic power to support elites (Brumfiel & Earle 2008), the agency of prestige goods and their sources were also considered (Gosden 2005). The final model relevant to understanding prestige goods, costly signalling (Grafen 1990), provides a theory of the origin of prestige as well as explaining the presence of the quality in human behaviour. It further explains behaviour such as conspicuous consumption. Archaeologists could identify qualities such as rarity and difficulty of access that were often associated with prestige (Hayden 1998:11–12).

Appropriate methods to study these qualities were therefore sought. Researchers working in Mesoamerica used indicators such as obsidian density to understand the access the inhabitants of different areas had to this mineral (Sidrys 1976). Sidrys (1976; 1977) also attempted a large-scale analysis of obsidian consumption per soil volume to understand the associations with this resource. Closer to Mapungubwe, Calabrese (2000, 2005) used soil to bead and metal ratios to understand the distribution of artefacts and the access different sites had to these.

The next objective was to use archival records to gather information about types of space in the squares that had been chosen for study. This was done to add information about these squares and the contexts within which artefacts were found to information from the data on glass and disc beads and metals. Then, the reasoning behind the use of certain areas at the site was provided, and indications were made of how soil volumes were calculated and which layers were used or left out. C2, A2, K8, F4, and I9 were chosen for analysis on MST, and the MK1 excavation was chosen on Mapungubwe Hill. Many other parts of the site did not have complete data, or collections could not be found. Therefore, the areas of the site chosen for analysis include the area of MST south of the Western Ascent to Mapungubwe, and, the western part of Mapungubwe Hill, making findings more tentative, but still informative.

The following objective of this study was to compare the distribution of glass beads in terms of abundance, series, and colour between MST and Mapungubwe Hill. Because disk beads were likely used alongside glass beads (Moffett & Chirikure 2016:369), the latter category of artefacts were compared in terms of abundance on the Hill and at MST. Further morphological differences at Mapungubwe are already being explored by Mouton (n.d.). The density of non-utilitarian copper and iron material between the Hill and MST were also compared. To understand Mapungubwe's data in a larger context, smaller sites from the SLCA, such as Leokwe, Skutwater, and Mutshilachokwe were also compared with the author's finds.

Next, the last four of the study's research questions were answered. The pattern of glass bead distribution and then the distribution of different metals at Mapungubwe were compared to models of prestige. After this analysis, it became clear that a hierarchy of access to glass beads, gold, and to a degree metals such as copper and iron, existed. At the Mapungubwe site, areas with large quantities of beads and gold were also areas associated with prestige. It was therefore concluded that glass beads, copper, iron, and gold non-utilitarian artefacts were associated with prestige and that they might have formed part of a prestige economy. At the very least, political power at Mapungubwe coincided with economic power.

5.3.2 Research questions

5.3.2.1 Non-utilitarian metals or glass beads as goods that indicate prestige

Metals and Glass beads do have basic attributes associated with prestige goods and meet some of the requirements of the prestige economy. There are some signs that trade goods may have impacted values, urbanisation, and hierarchy at Mapungubwe, but these are difficult to ascertain. In Chapter 2, attributes of various models and approaches were discussed. Costly signalling (Grafen 1990) was especially useful in inferring which attributes could indicate prestige goods. Qualities such as bright colours, shine, durability, and distant sources suggest that glass beads might have been considered prestige goods. Colour and ability to reflect light and smoothness, as well as functionality and possible association with protected knowledge and skill of smelting and ironwork suggest that metals such as copper, iron, and gold might have been prestige goods.

While the costly signalling model provides a theory of the origin of prestige and explains the presence of the quality in human behaviour, its ability to explain and address behaviour such as conspicuous consumption has been more useful in this dissertation. This concept has further helped to indicate qualities such as rarity and difficulty of access that were often associated with prestige (Hayden 1998:11–12). These attributes, therefore, helped to identify artefacts that could be used as prestige goods but that would have to be considered in context at Mapungubwe itself.

5.3.2.2 Implications of the distribution of prestige goods

Glass beads differ between areas that were identified as prestigious in Chapter 3 and seem to have been either much easier to obtain for elites or were under their control. Metals also differed throughout these areas, and gold was concentrated in certain areas. These areas might have been associated with specific elites, and, to a smaller degree, some possible commoners or concentrations in these areas may be a result of looting and earlier excavations on Mapungubwe Hill (Wintjes 2017). Prestigious people may simply have had easier access to metals such as copper and iron.

In Chapter 4, glass beads and metals (and disk beads) from different parts of Mapungubwe were compared to ascertain whether differences existed between areas associated with higher prestige and areas associated with lower prestige. Areas that would likely be associated with higher prestige were on a hill or on more elevated areas, at the centre of settlements, while areas further from the centre of the site, such as the North-Eastern Terrace (NET), likely had lower prestige. This indicated that Mapungubwe Hill contained more beads per square metre than MST or TS1 A7 from Map 4 at the NET did. Mapungubwe Hill also had earlier access to new glass bead series, and, at TS1, a greater proportion of beads were from older series. When Mapungubwe was compared to other sites within a 25km radius, it became clear that Mapungubwe Hill held the greatest number of glass beads to soil during its latter occupation. In the K2 Period, it seems that K2 had the greatest number of glass beads per square metre of soil, followed by MST and then Mapungubwe Hill. This would suggest that Mapungubwe Hill was not yet associated with elite occupation or at least denser elite occupation, and that the centre of power would still be at K2. Because Mapungubwe Hill contained fewer artefacts in comparison to MST, it seems to indicate that a local elite household did not live near MK1's vicinity on Mapungubwe Hill.

The differences between copper and iron on MST and Mapungubwe Hill were much smaller than expected, but both these areas contained more metal per square metre than the NET or even other sites and areas sites as Leokwe Area A.

Gold is, however, found in much larger quantities on Mapungubwe Hill than anywhere else. Small amounts of gold are also present at MST, but no gold seems to have been found at any of the other sites chosen for study.

After this analysis, it became clear that a hierarchy of access to glass beads, gold, and, to a degree, metals such as copper and iron, existed. At the Mapungubwe site, areas with large quantities of beads and gold were also areas associated with prestige. Mapungubwe Hill, specifically, was associated with prestige because of its higher elevation. The difference between the NET area and Mapungubwe Hill could be used to indicate the prestige associated with artefacts. The inferred prestige of artefacts could then imply that MST was an area of intermediate prestige or was settled in some parts by elites, rather than a commoner area undistinguished from the rest of the low-lying parts of the site. Therefore, it was concluded that glass beads, copper, iron, and gold non-utilitarian metals were associated with prestige and that they might have formed part of a prestige economy. At the very least, political power at Mapungubwe coincided with economic power. This would imply that elites were able to use their positions to acquire more valuable material goods or that material goods allowed them to reach this position as implied by the prestige goods model. Elites might have gained material goods through proficiency in specific skill (Vogel & Chirikure *et al.* 2018) or through taxation and placing obligations on commoners. This partially answered the research question set out in Chapter 1.

5.3.2.3 Differences between disk and glass beads

In Chapter 4, it becomes clear that no great differences existed between elite and commoner access to disk beads except at very small sites where few disk beads were present or at parts of the Mapungubwe site such as Map 4. Disk beads are found in similar but slightly greater abundances below Mapungubwe Hill and are found in similar abundances at Skutwater. This seems to indicate that disk beads were equally obtainable by inhabitants of different sites and elite areas of sites. Glass beads and disk beads are therefore used together (in beadwork and jewellery), but do not necessarily have the same value attached to them. By the latter part of the Mapungubwe Period, disk beads are clearly not prestige goods. They are found in greater abundance at MST than at Mapungubwe Hill's MK1 excavation at this point. Before this period, bead abundances are often similar, or MK1's is higher. Because the Map 4 Area of the NET had a lower abundance of disk beads, it is possible that beads had some prestige value, or at least had this value at some point during the site's occupation. Differences in glass bead distribution seem to imply greater prestige associated with glass beads, however.

5.3.2.4 Change in value

It seems likely that the value of glass beads would have changed, as would the value of other metals affected by the introduction of gold as more than a trade good. In Chapter 4, change in the number of beads at MST and MK1 indicates that glass beads increased in abundance towards the end of Mapungubwe's Phase IV occupation (see Figure 4.9). Because rarity and difficulty of obtainment are so important to costly signalling (Hayden 1998:13, 34), Mapungubwe Oblate beads likely decreased in value over time.

Other researchers (Miller 2002:1126) have noted that the value of copper and iron artefacts was affected by the use of gold at Mapungubwe. The decline in the number of disk beads in the SLCA seems to indicate that glass beads took over much of their value or that raw materials were more difficult to obtain or produce.

5.3.2.5 Prestige and value at Mapungubwe and in the larger region

Given the changeable value of goods and the clearly differing value goods such as disk beads, copper, and iron, it is clear that goods found within the Zimbabwe tradition societies had changeable value. They would therefore not always be used to the same ends and might not be associated with exactly the same practices. Sites within the Zimbabwe Culture are already associated with different practices (Chirikure *et al.* 2013). It would therefore be credible that different groups had varying systems of exchange and that these might change over time. I was therefore able to suggest that greater variability might exist between societies in the Zimbabwe tradition, and that even the Mutapa and Torwa-Changamire states showed differences between areas with large numbers of trade goods and areas that were the seat of political power (Chirikure *et al.* 2016:352).

5.4 Limitations

One of this study's greatest limitations was the small quantity of material that could be compared according to abundance and density, because of the quality of their excavation and curation. As a prerequisite, the material to be considered had to be understood in context and linked to specific time periods. It was not so much that little material was available in general, but that it was not always complete and had to be sampled.

This meant that the squares used for comparisons of abundance could not be used to represent the whole settlement. What these comparisons, alongside less systematic evidence of higher numbers of glass beads on Mapungubwe Hill and lower numbers of glass beads on MST, seem to indicate, is that differences in prestige existed across the Mapungubwe site. Furthermore, a likely political elite at Mapungubwe had more access to glass beads. Elites on Mapungubwe and possibly Elites at MST had access to large quantities of metal goods with adornment or decorative value. Disk bead seem to have been spread according to different means of access.

The excavations done and collections available also allowed a better picture of the last phase of Mapungubwe occupation, but not an extensive picture of anything earlier. This meant that, for instance, the rise in the importance of prestige goods could not be studied. To understand this process, the author would have to focus more closely on the K2 site and K2 Period sites in its surroundings.

The analysis of disk bead manufacture is the next aspect that should be considered. Shell disk beads were not analysed according to Orton's (2008) method, which would have allowed the author to indicate whether beads were first made by drilling the perforation or by trimming the sides. Trimming implies breaking off angular edges around the bead giving it an overall rounder shape (Plug 1982:62). None of the beads were from earlier stages of manufacturing, however. All beads were perforated and trimmed, and many had begun to be ground smooth.

5. 5. Research implications

This research, therefore, sheds light on trade goods such as glass beads and metals and reconsiders the place of disk beads in comparison to these goods. While disk beads were clearly not associated with prestige at the end of the Mapungubwe Period, they may have been more important in the K2 and earlier part of the Mapungubwe Period, and this study does not preclude those findings. The specific nature of glass beads, metals, and prestige at Mapungubwe may help to consider these artefacts at other sites, but also highlights the variability that might exist in the consumption and access to these artefacts.

The variation between societies in the Zimbabwe tradition has already become evident in the variation between Toutswe sites and Leopards Kopje and Gokomere sites. This study further considers variability and different approaches to establishing and supporting prestige that could be taken.

This study further reinforces our understanding of the Mapungubwe settlement and the access commoners had to goods that could be associated with prestige. While commoners were not the main focus of the study, this work may aid later studies on inhabitants below Mapungubwe Hill.

Van Waarden notes that Mapungubwe might be compared to the wealthy trading ports on the East-Coast, because of the different groups that were drawn to the site and the scale of trading that occurred at the site. This study was able to focus on Mapungubwe's role as a centre of trade. Gold might not have been as important for other inland sites, for instance, and few other functions of the settlement seem to have been as prominent as trade.

The importance of trade at Mapungubwe lends further credibility to theories that emphasise the influence of global trade networks on the society (Wood 2011; Pikirayi 2017). Changes in the gold trade in East African towns and in the producers of glass beads may have had a significant impact on the prosperity of the Mapungubwe site (Chirikure *et al.* 2013:888, 889). The impact of local trade links, commoner sites, and commoners at larger sites should also be considered if distant trade links are so important.

5.6 Future directions

Further research might involve another collections-based study of other excavations at Mapungubwe, such as the JS2(a) and (b) and MST1 excavations on MST. Enough time should be left to go through the Mapungubwe collection and separate artefacts from specific excavations from larger Mapungubwe, Mapungubwe Hill, and MST categories.

A consideration of other types of trade systems and systems of power, such as those mentioned by Brumfiel and Earle (2008), could be considered. Prestige goods feature prominently in discussions of elite power at Mapungubwe, but control over food sources could also provide elites with power, and a combination of control over different resources or enlargement of resource bases could do the same (Brumfiel & Earle 2008:3–4).

In terms of material sources of prestige and power, livestock outside of cattle might be compared across the Mapungubwe site and in the SLCA. Because pastoralism was already practiced for several centuries at the time of Mapungubwe's occupation, and there is a possibility that cattle only became important during and after this period (Badenhorst 2011), other animals might have played important social and trade role.

Future research might also focus on other sources of elite power at Mapungubwe. While trade goods played an important part in the site's growth, and likely in the creation and expression of prestige, other factors might have played a part alongside it. Moffet and Chirikure (2016:371) suggest a focus on religion in a more complete sense, which does not solely focus on rainmaking. Others have noted the possible influence of conflict (Kim & Kusimba 2008).

Further research on trade or prestige should consider the quantification of finds to aid in comparisons of access and consumption. Site processes might affect these quantities, but archaeologists can take account of these factors. Quantified differences offer an opportunity to consider theories such as the prestige goods economy model with more nuance. Differences in abundances and densities might allow for more interesting questions regarding trade and social practices.

Research might continue to focus on commoners from Mapungubwe, who served as the initial focus of this project. It was less difficult to understand the archaeological context once aspects such as differences in prestige could be considered. At Zimbabwe tradition sites such as Great Zimbabwe (Sonnenberg 2017) and Khami (Mukwende *et al.* 2018) commoners have already been the focus of research. Further focus on these inhabitants is still necessary to place systems of trade, power and identity in Zimbabwe tradition sites in context.

5.7 Conclusions

While this research has implications for our understanding of commoners in Mapungubwe society, and our perception of differences between societies in the Zimbabwe tradition, the main focus has been on understanding prestige at the Mapungubwe settlement. In this dissertation, the author compared possible prestige goods across different parts of the Mapungubwe site and other sites around Mapungubwe. This data was then compared to theories discussed in Chapter 2. While a shifting control over gold artefacts, iron- and copper-containing non-utilitarian artefacts, and glass beads is evident, it is difficult to find evidence of every aspect of a prestige goods economy.

This dissertation has, however, shown that certain goods were associated with prestige. This chapter has tried to further consider the implication of these findings in a larger context. Other sources of elite power and complexity may have played a part in change in the SLCA. Further consideration of this dissertation's findings has shown that MST possibly had a slightly more intermediate or mixed level of prestige and shows much variation. It is also evident that Mapungubwe's economy might have worked differently to later Zimbabwe Tradition societies, or at least that the difference between political and economic power (Chirikure *et al.* 2018) was not as clearly expressed as it might have been.

After a discussion of the more general significance of the findings, the degree to which objectives were reached was evaluated and answers to research questions were evaluated. Next, this study's limitations were discussed. This allowed the author to draw attention to some of the problems that were faced, how these might influence the findings that were made, but also how steps were taken to solve these problems.

Following the limitations section, the implications of this dissertation for later research was considered, and future directions were suggested. These suggestions were based on gaps in the literature and sources of knowledge we have now as well as which questions seem relevant after this research.

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Appendix A

A.1 Layers used

This table indicates which layers were used to calculate which soil volumes for each of the phases used for different types of artefacts.

Squares	Layers/Spits	Phases	Glass Beads	Disk Beads	Metals
A2	Spit 1 (surface/z)	IV	Used	Used	Used
	Spit 2 ('z/-6)		Used	Used	Used
	Spit 3 ('-6"/-12")		Used	Used	Used
C2	Spit 1 (surface/z)	IV	Used	Used	Used
	Spit 2 ('z/-6)		Used	Used	Used
	Spit 3 ('-6"/-12")	III(b),later	Used	Used	Used
	Spit 4 ('-12"/-18")		Used	Used	Used
F4	1	IV	Used	Used	Used
	2		Used	Used	Used
	3	III(b),later	Used	Used	Used
	4		Used	Used	Used
	5		Used	Used	Used
	6		Used	Used	Used
	7(i) (including 7(a) and 7(ii) (7 first section)	III(b), earlier	Used	Used	Used
	7(iii) and 7(iv) (7 second section)	III(a), later	Used	Used	Used
	8(i) and 8(ii) (8 first section)		Left out	Left out	Left out
	8(iii) and 8(iv) (8 second section)	III(a), earlier	Used	Used	Used
	9	II	Used	Used	Used
	10		Used	Used	Used
K8	1	IV	Used	Used	Used
	2		Used	Used	Used
	3		Used	Used	Used
	4	III(b),later	Used	Used	Used
	5		Used	Used	Used
	6		Used	Used	Used
	7	III(b), earlier	Used	Used	Used
	8		Used	Used	Used
	9	III(a), later	Used	Used	Used
	10		Left out	Left out	Left out
	11		Used	Used	Used

Squares	Layers/Spits	Phases	Glass Beads	Disk Beads	Metals
	12	III(a), earlier	Used	Used	Used
	13		Left out	Left out	Left out
	14		Left out	Left out	Left out
	15		Left out	Left out	Left out
	16	II	Left out	Left out	Left out
	17		Left out	Used	Used
I9	1		Left out	Left out	Left out
	2		Left out	Left out	Left out
	3	IV	Used	Used	Used
	4		Used	Used	Used
	5		Used	Used	Used
	6	?	Left out	Left out	Left out

A.2: Series and dates

These dates were taken from Wood (2005, 2011b).

Series	Dates Beginning (AD)	Dates End (AD)	Remarks
East Coast-IP: brownish red	1020	1270	
East Coast-IP: green	890	1270	
East Coast-IP: yellow	890	1270	
K2-IP	850	1220	
K2-Garden rollers	1033	1243	dates of K2-occupation
Mapungubwe Oblate: black	1200	1300	more or less
Mapungubwe Oblate: colours: blue, blue-green, green, yellow, orange, plum	1230	1300	more or less
Zimbabwe	1290	1550	

Table A.3: Beads analysed by Wood

This data is from Wood's dissertation (2005: Appendix 2).

Square	Layer	Number of Beads (Fractured and Complete)
F4	1(i)	41
	1(ii)	72
	2(i)	55
	2(ii)	132
	2(iii)	57
	2(iv)	44
	3(i)	6
	3(ii)	16
	3(iii)	13
	4(b)	5
	4(i)	1
	5(a)	21
	5(b)i	18
	5(b)ii	4
	5(b)iii	1
	6	5
	6(a)	5
	6(b)	4
	7(a)	2
	7(iii)	2
	7(iv)	12
	8(iii)	11
	8(iii)a	5
K8	1	117
	3	45
	4	52
	5	17
	6(a)	6
	7	5
	8	1
	11	2
	12(a)	3
	17	2
I9	3	11
	3(b)	16

Table A.4: Beads analysed by author

Square	Layer	Number of beads (Fractured and Complete)
A2	1	227
	2	230
	3	48
C2	1	8
	2	12
	3	7
	4	7
F4	7(ii)	14
K8	9	7
I9	5	6
	6	12

Appendix B

Appendix B.1: Glass beads analysed by author

MST

Artefact Number	Method	Size Range	Length/Diameter (rounded off) to get second part of ratio	Length ratio	Diaphaneity	Roundness Factor	Shape	Bead Series	Munsell Number/Name	Colour Group	Diameter	Length	Square	Layer	Layer	Quantity complete beads	Quantity of fractured beads	Phases	Notes (from other database)
GB0001	drawn	small	0,815884477	standard	opaque	4	oblate	Mapungubwe Oblate	N1	black	2,77	2,26	A2	M: surface/Z	1		1	Phase IV	slightly weathered (rougher and greyish), close to cylindrical , broken in 1/2, string 2/54
GB0002	drawn	minute	0,455696203	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,37	1,08	A2	M: surface/Z	1	1		Phase IV	
GB0003	drawn	minute	0,657894737	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,28	1,5	A2	M: surface/Z	1	1		Phase IV	string 2/54
GB0004	drawn	minute	0,809954751	standard	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,21	1,79	A2	M: surface/Z	1		1	Phase IV	broken in 1/2 string 2/54
GB0005	drawn	minute	0,744394619	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,23	2,25	A2	M: surface/Z	1		1	Phase IV	patina across most of bead, including break, string 2/54measured across about a 1/3rd
GB0006	drawn	small	0,798534799	short	opaque	2	tube	East Coast-IP	7.5R 4/6	brownish-red	2,18	2,73	A2	M: surface/Z	1		1	Phase IV	thick patina across parts of bead(some patina chipped away), broken in 1/2 , string 2/54cheque opocity of beads, already analysed tomorrow
GB0007	drawn	small	0,586206897	short	opaque-translucent	0	tube	East Coast-IP	7.5R 3/8	brownish-red	2,9	1,7	A2	M: surface/Z	1		1	Phase IV	very rough texture, broken in 1/2 , string 2/54colour - 7.5R 3/8, done beads are in bag
GB0008	drawn	small	0,611764706	short	opaque	2	cylinder	East Coast-IP	7.5R 4/6	brownish-red	2,55	1,56	A2	M: surface/Z	1		1	Phase IV	broken in 1/2, string 2/54colour- 7.5R 4/6
GB0009	drawn	minute	0,840336134	standard	opaque	2	cylinder	East Coast-IP	7.5R 4/6	brownish-red	2,38	2	A2	M: surface/Z	1		1	Phase IV	broken in 1/2, string 2/54

GB0010	drawn	small	0,2996633	short	opaque	0	tube	East Coast-IP	7.5R 4/6	brownish-red	2,97	0,89	A2	M: surface/Z	1		1	Phase IV	very rough texture. Broken in 1/2 and may have broken off longer bead, string 2/54
GB0011	drawn	medium	0,457386364	short	translucent	4	oblate	Mapungubwe Oblate	5.0Y 8/10	yellow	3,52	1,61	A2	M: surface/Z	1		1	Phase IV	broken in 1/2
GB0012	drawn	minute	0,804166667	standard	translucent	3	cylinder	Mapungubwe Oblate	5.0Y 8/10	yellow	2,4	1,93	A2	M: surface/Z	1		1	Phase IV	broken in 1/2 , string 2/54
GB0013	drawn	minute	0,656521739	short	translucent-opaque	3	cylinder	East Coast-IP	5.0G 6/6	green	2,3	1,51	A2	M: surface/Z	1		1	Phase IV	broken into about a third, string 2/54
GB0014	drawn	small	0,546468401	short	translucent-opaque	3	cylinder	East Coast-IP	10.0G 6/6	green	2,69	1,47	A2	M: surface/Z	1	1		Phase IV	slight patina along side of bead, string 2/54
GB0015	drawn	minute	0,555555556	short	translucent-transparent	4	cylinder	East Coast-IP	2.5G 6/4	green	1,98	1,1	A2	M: surface/Z	1		1	Phase IV	string 2/54
GB0016	drawn	minute	0,491452991	short	transparent	3	cylinder	K2-IP	7.5BG 6/6	blue-green	2,34	1,15	A2	M: surface/Z	1		1	Phase IV	string : 2/54
GB0017	drawn	medium	0,640661939	short	translucent-opaque	3	cylinder	East Coast-IP	5.0G 5/4	green	4,23	2,71	A2	L: surface/Z	1		1	Phase IV	broken in 1/2 , weathering across most of bead(except break), string 1/54
GB0018	drawn	small	0,678294574	short	translucent	2	cylinder	Mapungubwe Oblate	5.0BG 6/3	blue-green	2,58	1,75	A2	L: surface/Z	1		1	Phase IV	broken in 1/2 , string 1/54colour-5.0BG 6/3
GB0019	drawn	small	0,640316206	short	translucent	4	oblate	East Coast-IP	10.0 GY 6/6	green	2,53	1,62	A2	L: surface/Z	1		1	Phase IV	string : 1/54colour-apple green
GB0020	drawn	medium	0,575757576	short	opaque	0	tube	Mapungubwe Oblate	N1	black	3,63	2,09	A2	R: surface/Z	1		1	Phase IV	broken in 1/2 , string 3/54
GB0021	drawn	small	1,148288973	standard	opaque	2	tube	Mapungubwe Oblate	N1	black	2,63	3,02	A2	R: surface/Z	1		1	Phase IV	broken in 1/2, string 3/54
GB0022	drawn	minute	0,91025641	standard	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,34	2,13	A2	R: surface/Z	1		1	Phase IV	broken in 1/2, most of bead (except for break is slightly weathered), both ends of bead broken off , string 3/54
GB0023	drawn	small	0,43866171	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,69	1,18	A2	R: surface/Z	1		1	Phase IV	broken into slightly more than 1/2

GB0024	drawn	minute	0,756097561	short	opaque	3	cylinder	East Coast-IP	7.5R 4/6(when dry), 7.5R 3/8(when wet)	brownish-red	2,46	1,86	A2	R: surface/Z	1		1	Phase IV	hole in one side of bead, broken in 1/2 , string 3/54
GB0025	drawn	no data	#VALUE!		opaque	3	tube	East Coast-IP	7.5R 4/6 (this colour when dry)	brownish-red	2,18	2	A2	R: surface/Z	1		1	Phase IV	broken 1/2, string 3/54
GB0026	drawn	minute	1,110526316	standard	opaque	2	tube	East Coast-IP	7.5R 4/6	brownish-red	1,9	2,11	A2	R: surface/Z	1		1	Phase IV	broken in 1/2 , string 3/54
GB0027	drawn	minute	0,684210526	short	opaque	2	cylinder	East Coast-IP	7.5R 4/6	brownish-red	2,09	1,43	A2	R: surface/Z	1		1	Phase IV	broken in 1/2, string 3/54
GB0028	drawn	minute	0,783333333	short	opaque	2	cylinder	East Coast-IP	7.5R 4/7	brownish-red	2,4	1,88	A2	R: surface/Z	1		1	Phase IV	broken in 1/2, string 3/54
GB0029	drawn	no data	#VALUE!		opaque	3	cylinder	East Coast-IP	7.5R 3/8	brownish-red	no data	no data	A2	R: surface/Z	1		1	Phase IV	broken in half; patina over most of bead (including break); string 3/54
GB0030	drawn	minute	0,689361702	short	translucent-opaque	3	cylinder	East Coast-IP	5.0G 5/4	green	2,35	1,62	A2	R: surface/Z	1		1	Phase IV	broken in half; patina over part of side; string 3/54
GB0031	drawn	small	0,875486381	standard	translucent	3	cylinder	Mapungubwe Oblate	5.0Y 8/8	yellow	2,57	2,25	A2	R: surface/Z	1		1	Phase IV	broken in half
GB0032	drawn	small	0,578947368	short	translucent	3	cylinder	Mapungubwe Oblate	5.0Y 8/8	yellow	3,04	1,76	A2	R: surface/Z	1		1	Phase IV	broken in half. Part of one end and side is chipped away or imperfect; string 3/54
GB0033	drawn	small	0,904580153	standard	translucent	3	cylinder	Mapungubwe Oblate	5.0Y 8/10	yellow	2,62	2,37	A2	R: surface/Z	1		1	Phase IV	string 3/54
GB0034	drawn	small	0,729083665	short	translucent	3	cylinder	Mapungubwe Oblate	5.0Y 8/10	yellow	2,51	1,83	A2	R: surface/Z	1		1	Phase IV	broken into slightly less than 1/2
GB0035	drawn	minute	0,985365854	standard	translucent	3	cylinder	Mapungubwe Oblate	5.0Y 8/8	yellow	2,05	2,02	A2	R: surface/Z	1		1	Phase IV	string 3/54
GB0036	drawn	minute	0,572139303	short	transparent-translucent	3	cylinder	East Coast-IP	2.5G 6/4	green	2,01	1,15	A2	R: surface/Z	1		1	Phase IV	string 3/54
GB0037	drawn	minute	0,559782609	short	transparent	3	cylinder	Mapungubwe Oblate	5.0 PB 5/4	blue	1,84	1,03	A2	R: surface/Z	1	1		Phase IV	
GB0038	drawn	small	0,957142857	standard	opaque	3	cylinder	Mapungubwe Oblate	N1	black	3,5	3,35	A2	1	1	1		Phase IV	
GB0039	drawn	small	0,782477341	short	opaque	2	tube	Mapungubwe Oblate	N1	black	3,31	2,59	A2	1	1	1		Phase IV	
GB0040	drawn	minute	0,480825959	short	opaque	4	cylinder	Mapungubwe Oblate	N1	black	3,39	1,63	A2	1	1	1		Phase IV	

GB0041	drawn	minute	0,71875	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	3,2	2,3	A2	1	1	1		Phase IV	
GB0042	drawn	small	0,892976589	standard	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,99	2,67	A2	1	1	1		Phase IV	
GB0043	drawn	minute	0,53015873	short	opaque	2	cylinder	Mapungubwe Oblate	N1	black	3,15	1,67	A2	1	1	1		Phase IV	
GB0044	drawn	minute	0,745980707	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	3,11	2,32	A2	1	1	1		Phase IV	
GB0045	drawn	small	0,843949045	standard	opaque	2	cylinder	Mapungubwe Oblate	N1	black	3,14	2,65	A2	1	1	1		Phase IV	
GB0046	drawn	small	1,050909091	standard	opaque	4	oblate	Mapungubwe Oblate	N1	black	2,75	2,89	A2	1	1	1		Phase IV	
GB0047	drawn	small	1,048387097	standard	opaque	1	tube	Mapungubwe Oblate	N1	black	2,48	2,6	A2	1	1	1		Phase IV	
GB0048	drawn	minute	0,603174603	short	opaque	4	oblate	Mapungubwe Oblate	N1	black	3,15	1,9	A2	1	1	1		Phase IV	
GB0049	drawn	minute	0,46984127	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	3,15	1,48	A2	1	1	1		Phase IV	
GB0050	drawn	minute	0,803571429	standard	opaque	3	tube	Mapungubwe Oblate	N1	black	2,8	2,25	A2	1	1	1		Phase IV	length and diemeter were in a different order on new recording worksheet so I swapped them back
GB0051	drawn	minute	0,66	short	opaque	4	oblate	Mapungubwe Oblate	N1	black	3	1,98	A2	1	1	1		Phase IV	
GB0052	drawn	minute	0,74025974	short	opaque	4	oblate	Mapungubwe Oblate	N1	black	3,08	2,28	A2	1	1	1		Phase IV	
GB0053	drawn	minute	0,498269896	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,89	1,44	A2	1	1	1		Phase IV	
GB0054	drawn	small	2,295454545	very long	opaque	4	oblate	Mapungubwe Oblate	N1	black	1,32	3,03	A2	1	1	1		Phase IV	
GB0055	drawn	small	2,145985401	very long	opaque	3	cylinder	Mapungubwe Oblate	N1	black	1,37	2,94	A2	1	1	1		Phase IV	
GB0056	drawn	minute	0,619377163	short	opaque	4	oblate	Mapungubwe Oblate	N1	black	2,89	1,79	A2	1	1	1		Phase IV	
GB0057	drawn	small	0,890034364	standard	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,91	2,59	A2	1	1	1		Phase IV	
GB0058	drawn	minute	0,462295082	short	opaque	4	cylinder	Mapungubwe Oblate	N1	black	3,05	1,41	A2	1	1	1		Phase IV	
GB0059	drawn	minute	0,594405594	short	opaque	4	oblate	Mapungubwe Oblate	N1	black	2,86	1,7	A2	1	1	1		Phase IV	
GB0060	drawn	minute	0,567375887	short	opaque	4	oblate	Mapungubwe Oblate	N1	black	2,82	1,6	A2	1	1	1		Phase IV	

GB0061	drawn	minute	0,670212766	short	opaque	2	cylinder	Mapungubwe Oblate	N1	black	2,82	1,89	A2	1	1	1		Phase IV	
GB0062	drawn	minute	0,726277372	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,74	1,99	A2	1	1	1		Phase IV	
GB0063	drawn	minute	0,673469388	short	opaque	4	oblate	Mapungubwe Oblate	N1	black	2,94	1,98	A2	1	1	1		Phase IV	
GB0064	drawn	minute	0,65917603	short	opaque	4	oblate	Mapungubwe Oblate	N1	black	2,67	1,76	A2	1	1	1		Phase IV	
GB0065	drawn	minute	0,617977528	short	opaque	4	oblate	Mapungubwe Oblate	N1	black	2,67	1,65	A2	1	1	1		Phase IV	
GB0066	drawn	minute	0,473484848	short	opaque	4	oblate	Mapungubwe Oblate	N1	black	2,64	1,25	A2	1	1	1		Phase IV	
GB0067	drawn	minute	0,542435424	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,71	1,47	A2	1	1	1		Phase IV	
GB0068	drawn	minute	0,517857143	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,8	1,45	A2	1	1	1		Phase IV	
GB0069	drawn	minute	0,661818182	short	opaque	2	tube	Mapungubwe Oblate	N1	black	2,75	1,82	A2	1	1	1		Phase IV	
GB0070	drawn	minute	0,534545455	short	opaque	4	oblate	Mapungubwe Oblate	N1	black	2,75	1,47	A2	1	1	1		Phase IV	
GB0071	drawn	minute	0,552727273	short	opaque	4	oblate	Mapungubwe Oblate	N1	black	2,75	1,52	A2	1	1	1		Phase IV	
GB0072	drawn	minute	0,711610487	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,67	1,9	A2	1	1	1		Phase IV	
GB0073	drawn	minute	0,400735294	short	opaque	4	oblate	Mapungubwe Oblate	N1	black	2,72	1,09	A2	1	1	1		Phase IV	
GB0074	drawn	minute	0,643636364	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,75	1,77	A2	1	1	1		Phase IV	
GB0075	drawn	minute	0,425605536	short	opaque	4	oblate	Mapungubwe Oblate	N1	black	2,89	1,23	A2	1	1	1		Phase IV	
GB0076	drawn	minute	0,453287197	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,89	1,31	A2	1	1	1		Phase IV	
GB0077	drawn	minute	0,598591549	short	opaque	4	oblate	Mapungubwe Oblate	N1	black	2,84	1,7	A2	1	1	1		Phase IV	
GB0078	drawn	minute	0,434628975	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,83	1,23	A2	1	1	1		Phase IV	
GB0079	drawn	minute	0,42481203	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,66	1,13	A2	1	1	1		Phase IV	
GB0080	drawn	minute	0,953125	standard	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,56	2,44	A2	1	1	1		Phase IV	
GB0081	drawn	minute	0,634686347	short	opaque	4	oblate	Mapungubwe Oblate	N1	black	2,71	1,72	A2	1	1	1		Phase IV	
GB0082	drawn	minute	0,7	short	opaque	1	tube	Mapungubwe Oblate	N1	black	2,6	1,82	A2	1	1	1		Phase IV	

GB0083	drawn	minute	0,658730159	short	opaque	2	cylinder	Mapungubwe Oblate	N1	black	2,52	1,66	A2	1	1	1		Phase IV	
GB0084	drawn	minute	0,479087452	short	opaque	2	tube	Mapungubwe Oblate	N1	black	2,63	1,26	A2	1	1	1		Phase IV	
GB0085	drawn	minute	0,462406015	short	opaque	4	oblate	Mapungubwe Oblate	N1	black	2,66	1,23	A2	1	1	1		Phase IV	
GB0086	drawn	minute	0,971659919	standard	opaque	2	cylinder	Mapungubwe Oblate	N1	black	2,47	2,4	A2	1	1	1		Phase IV	
GB0087	drawn	minute	0,642570281	short	opaque	4	oblate	Mapungubwe Oblate	N1	black	2,49	1,6	A2	1	1	1		Phase IV	
GB0088	drawn	minute	0,457364341	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,58	1,18	A2	1	1	1		Phase IV	
GB0089	drawn	minute	0,622047244	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,54	1,58	A2	1	1	1		Phase IV	
GB0090	drawn	minute	0,459854015	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,74	1,26	A2	1	1	1		Phase IV	
GB0091	drawn	minute	0,924686192	standard	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,39	2,21	A2	1	1	1		Phase IV	
GB0092	drawn	minute	0,719367589	short	opaque	4	oblate	Mapungubwe Oblate	N1	black	2,53	1,82	A2	1	1	1		Phase IV	
GB0093	drawn	minute	0,696969697	short	opaque	4	oblate	Mapungubwe Oblate	N1	black	2,31	1,61	A2	1	1	1		Phase IV	
GB0094	drawn	minute	0,685483871	short	opaque	4	oblate	Mapungubwe Oblate	N1	black	2,48	1,7	A2	1	1	1		Phase IV	
GB0095	drawn	minute	0,631372549	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,55	1,61	A2	1	1	1		Phase IV	
GB0096	drawn	minute	0,408163265	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,45	1	A2	1	1	1		Phase IV	
GB0097	drawn	minute	0,599206349	short	opaque	4	oblate	Mapungubwe Oblate	N1	black	2,52	1,51	A2	1	1	1		Phase IV	
GB0098	drawn	minute	0,723140496	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,42	1,75	A2	1	1	1		Phase IV	
GB0099	drawn	minute	0,530864198	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,43	1,29	A2	1	1	1		Phase IV	
GB0100	drawn	minute	0,602564103	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,34	1,41	A2	1	1	1		Phase IV	
GB0101	drawn	minute	0,614107884	short	opaque	4	oblate	Mapungubwe Oblate	N1	black	2,41	1,48	A2	1	1	1		Phase IV	
GB0102	drawn	minute	1,268421053	long	opaque	3	cylinder	Mapungubwe Oblate	N1	black	1,9	2,41	A2	1	1	1		Phase IV	
GB0103	drawn	minute	0,56557377	short	opaque	4	oblate	Mapungubwe Oblate	N1	black	2,44	1,38	A2	1	1	1		Phase IV	
GB0104	drawn	minute	0,514522822	short	opaque	4	oblate	Mapungubwe Oblate	N1	black	2,41	1,24	A2	1	1	1		Phase IV	

GB0105	drawn	minute	0,570833333	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,4	1,37	A2	1	1	1		Phase IV	
GB0106	drawn	minute	0,446280992	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,42	1,08	A2	1	1	1		Phase IV	
GB0107	drawn	minute	1,636986301	long	opaque	2	cylinder	Mapungubwe Oblate	N1	black	1,46	2,39	A2	1	1	1		Phase IV	
GB0108	drawn	minute	0,53164557	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,37	1,26	A2	1	1	1		Phase IV	
GB0109	drawn	minute	0,583333333	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,4	1,4	A2	1	1	1		Phase IV	
GB0110	drawn	minute	0,715481172	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,39	1,71	A2	1	1	1		Phase IV	
GB0111	drawn	minute	0,637130802	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,37	1,51	A2	1	1	1		Phase IV	
GB0112	drawn	minute	0,727659574	short	opaque	4	oblate	Mapungubwe Oblate	N1	black	2,35	1,71	A2	1	1	1		Phase IV	
GB0113	drawn	minute	0,473684211	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,47	1,17	A2	1	1	1		Phase IV	
GB0114	drawn	minute	0,659192825	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,23	1,47	A2	1	1	1		Phase IV	
GB0115	drawn	minute	0,752252252	short	opaque	4	oblate	Mapungubwe Oblate	N1	black	2,22	1,67	A2	1	1	1		Phase IV	
GB0116	drawn	minute	0,586666667	short	opaque	4	oblate	Mapungubwe Oblate	N1	black	2,25	1,32	A2	1	1	1		Phase IV	
GB0117	drawn	minute	0,692307692	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,47	1,71	A2	1	1	1		Phase IV	
GB0118	drawn	minute	0,548672566	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,26	1,24	A2	1	1	1		Phase IV	
GB0119	drawn	minute	1,29787234	long	opaque	2	cylinder	Mapungubwe Oblate	N1	black	1,88	2,44	A2	1	1	1		Phase IV	
GB0120	drawn	minute	0,686868687	short	opaque	2	cylinder	Mapungubwe Oblate	N1	black	1,98	1,36	A2	1	1	1		Phase IV	
GB0121	drawn	minute	0,375634518	short	opaque	2	cylinder	Mapungubwe Oblate	N1	black	1,97	0,74	A2	1	1	1		Phase IV	
GB0122	drawn	minute	0,73540856	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,57	1,89	A2	1	1	1		Phase IV	
GB0123	drawn	small	1,054474708	standard	opaque	4	oblate	Mapungubwe Oblate	N1	black	2,57	2,71	A2	1	1		1	Phase IV	
GB0124	drawn	small	1,061302682	standard	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,61	2,77	A2	1	1		1	Phase IV	
GB0125	drawn	minute	0,744604317	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,78	2,07	A2	1	1		1	Phase IV	
GB0126	drawn	minute	0,929515419	standard	opaque	2	cylinder	Mapungubwe Oblate	N1	black	2,27	2,11	A2	1	1		1	Phase IV	

GB0127	drawn	minute	1,787878788	long	opaque	broken, no outer surface	broken, no outer surface	Mapungubwe Oblate	N1	black	1,32	2,36	A2	1	1		1	Phase IV	
GB0128	drawn	minute	0,939393939	standard	opaque	1	tube	Mapungubwe Oblate	N1	black	1,32	1,24	A2	1	1	1		Phase IV	
GB0129	drawn	minute	0,495049505	short	opaque	1	tube	Mapungubwe Oblate	N1	black	3,03	1,5	A2	1	1	1		Phase IV	
GB0130	drawn	minute	0,812834225	standard	opaque	3	cylinder	Mapungubwe Oblate	N1	black	1,87	1,52	A2	1	1	1		Phase IV	
GB0131	drawn	small	1,1875	standard	opaque	2	tube	East Coast-IP	5.0R 5/6	brownish-red	3,04	3,61	A2	1	1	1		Phase IV	small bubbles (pores?) on side
GB0132	drawn	medium	0,594871795	short	opaque	3	cylinder	East Coast-IP	7.5R 4/6	brownish-red	3,9	2,32	A2	1	1	1		Phase IV	marbling of glass evident, slightly more transparent (opaque-transparent); face is oval; small pores/bubbles across bead and gives strange sheen
GB0133	drawn	small	0,668656716	short	opaque	3	tube	East Coast-IP	5.0R3/6	brownish-red	3,35	2,24	A2	1	1	1		Phase IV	thick patina over parts of bead
GB0134	drawn	small	1,018382353	standard	opaque	2	cylinder	East Coast-IP	5.0R3/6	brownish-red	2,72	2,77	A2	1	1	1		Phase IV	face is oval, very thin patina over parts of bead
GB0135	drawn	small	0,606557377	short	opaque	2	tube	East Coast-IP	5.0R 3/6	brownish-red	3,05	1,85	A2	1	1	1		Phase IV	patina over parts of bead, face is oval, bubbles/pores present across beads
GB0136	drawn	small	0,705263158	short	opaque	1	tube	East Coast-IP	7.5R 4/6	brownish-red	2,85	2,01	A2	1	1	1		Phase IV	colour is also close to 5.0R 3/6
GB0137	drawn	small	0,648148148	short	opaque	2	cylinder	East Coast-IP	7.5R 4/6	brownish-red	2,7	1,75	A2	1	1	1		Phase IV	patches of patina on parts of bead
GB0138	drawn	small	1,035019455	standard	opaque	2	tube	East Coast-IP	7.5R 3/8	brownish-red	2,57	2,66	A2	1	1	1		Phase IV	thick patina over edges and faces
GB0139	drawn	small	0,624548736	short	opaque	2	cylinder	East Coast-IP	5.0R 3/6	brownish-red	2,77	1,73	A2	1	1	1		Phase IV	face is oval
GB0140	drawn	small	0,700361011	short	opaque	1	tube	East Coast-IP	5.0R 4/8	brownish-red	2,77	1,94	A2	1	1	1		Phase IV	patina on ends and faces and ends of sides
GB0141	drawn	small	0,542124542	short	opaque	2	cylinder	East Coast-IP	5.0R 4/8	brownish-red	2,73	1,48	A2	1	1	1		Phase IV	

GB0142	drawn	small	0,805147059	standard	opaque	1	tube	East Coast-IP	5,0R 4/8	brownish-red	2,72	2,19	A2	1	1	1		Phase IV	
GB0143	drawn	small	1,003968254	standard	opaque	1	tube	East Coast-IP	7.5R 4/6	brownish-red	2,52	2,53	A2	1	1	1		Phase IV	
GB0144	drawn	minute	1,052631579	standard	opaque	1	tube	East Coast-IP	7.5R 4/6	brownish-red	2,47	2,6	A2	1	1	1		Phase IV	
GB0145	drawn	minute	0,983471074	standard	opaque	1	tube	East Coast-IP	5.0R 3/6	brownish-red	2,42	2,38	A2	1	1	1		Phase IV	
GB0146	drawn	minute	0,947368421	standard	opaque	2	tube	East Coast-IP	7.5R 4/6	brownish-red	2,28	2,16	A2	1	1	1		Phase IV	
GB0147	drawn	small	0,731060606	short	opaque	3	cylinder	East Coast-IP	7.5R 4/6	brownish-red	2,64	1,93	A2	1	1	1		Phase IV	
GB0148	drawn	small	0,604	short	opaque	3	cylinder	East Coast-IP	5.0R 3/10	brownish-red	2,5	1,51	A2	1	1	1		Phase IV	thick patina on faces of bead
GB0149	drawn	minute	0,415322581	short	opaque	2	cylinder	East Coast-IP	7.5R 4/6	brownish-red	2,48	1,03	A2	1	1	1		Phase IV	thick patina on faces of bead
GB0150	drawn	minute	1,103004292	standard	opaque	0	tube	East Coast-IP	5.0R 4/8	brownish-red	2,33	2,57	A2	1	1	1		Phase IV	thick patina on parts of bead (especially ends)
GB0151	drawn	minute	0,717213115	short	opaque	1	tube	East Coast-IP	5.0R 4/8	brownish-red	2,44	1,75	A2	1	1	1		Phase IV	thick patina on ends
GB0152	drawn	small	0,438735178	short	opaque	3	cylinder	East Coast-IP	7.5R 4/6	brownish-red	2,53	1,11	A2	1	1	1		Phase IV	thick patina over most of the bead and face is oval
GB0153	drawn	minute	0,444915254	short	opaque	3	cylinder	East Coast-IP	7.5R 4/6	brownish-red	2,36	1,05	A2	1	1	1		Phase IV	thick patina over parts of bead
GB0154	drawn	minute	0,956097561	standard	opaque	1	tube	East Coast-IP	5.0R 3/6	brownish-red	2,05	1,96	A2	1	1	1		Phase IV	
GB0155	drawn	small	0,577319588	short	opaque	3	cylinder	East Coast-IP	10.0R 3/2	brownish-red	2,91	1,68	A2	1	1	1		Phase IV	face is oval
GB0156	drawn	small	0,452755906	short	opaque	3	cylinder	East Coast-IP	10YR 7/10	orange	2,54	1,15	A2	1	1	1		Phase IV	thin patina over bead; colour given when bead held up in light, is 7.5YR 5/10 on paper; bead is more brown than orange but Wood doesn't have any such categories
GB0157	drawn	small	0,518518519	short	opaque	3	cylinder	East Coast-IP	10YR 5/10	orange	2,7	1,4	A2	1	1	1		Phase IV	thin patina over bead; colour taken when wet; bead is more brown than orange but Wood doesn't

																			have any such categories
GB0158	drawn	minute	0,774590164	short	translucent	3	cylinder	Mapungubwe Oblate	7.5YR 5/10	yellow	2,44	1,89	A2	1	1	1		Phase IV	thin patina over bead; colour taken when wet
GB0159	drawn	small	0,409395973	short	translucent-opaque	3	cylinder	Mapungubwe Oblate	10.0Y 8/10	yellow	2,98	1,22	A2	1	1	1		Phase IV	thin patina over bead; colour taken when wet
GB0160	drawn	small	0,841642229	standard	translucent-opaque	3	cylinder	Mapungubwe Oblate	5.0Y 8/8	yellow	3,41	2,87	A2	1	1	1		Phase IV	thin patina over bead: colour taken when wet
GB0161	drawn	small	0,832089552	standard	transparent	2	tube	Mapungubwe Oblate	5.0PB 4/8	blue	2,68	2,23	A2	1	1		1	Phase IV	colour taken in light, 6.25PB 3/12 when on paper
GB0162	drawn	minute	0,535	short	transparent	3	cylinder	Mapungubwe Oblate	5.0PB 4/8	blue	2	1,07	A2	1	1	1		Phase IV	
GB0163	drawn	minute	1,032051282	standard	transparent	3	cylinder	Mapungubwe Oblate	5.0PB 4/8	blue	1,56	1,61	A2	1	1	1		Phase IV	
GB0164	drawn	small	0,627906977	short	transparent	3	cylinder	East Coast-IP	10.0G 6/6	green	2,58	1,62	A2	1	1	1		Phase IV	
GB0165	drawn	small	0,525974026	short	transparent	3	cylinder	Zimbabwe	5,0G 4/5	green	3,08	1,62	A2	1	1	1		Phase IV	patina over bead; bead broken (both pieces present)
GB0166	drawn	small	0,937716263	standard	transparent	3	cylinder	K2-IP	7.5B 7/6	blue-green	2,89	2,71	A2	1	1		1	Phase IV	colour taken in light; 5,0B 6/6 whenlying on paper
GB0167	drawn	small	0,520599251	short	transparent-translucent	3	cylinder	East Coast-IP	5,0G 6/6	green	2,67	1,39	A2	1	1	1		Phase IV	thin patina
GB0168	drawn	minute	0,511013216	short	transparent-translucent	3	cylinder	K2-IP	7.5BG 6/6	blue-green	2,27	1,16	A2	1	1	1		Phase IV	face is oval
GB0169	drawn	minute	0,4092827	short	transparent-translucent	2	cylinder	East Coast-IP	5.0G 6/6	green	2,37	0,97	A2	1	1	1		Phase IV	thick patina
GB0170	drawn	minute	1,304932735	long	transparent-translucent	2	tube	K2-IP	7.5BG 6/6	blue-green	2,23	2,91	A2	1	1		1	Phase IV	
GB0171	drawn	small	0,958333333	standard	opaque	1	tube	East Coast-IP	10.0G 6/6	green	2,64	2,53	A2	1	1	1		Phase IV	tubular only because of roundness factor
GB0172	drawn	minute	0,642553191	short	transparent-translucent	3	cylinder	East Coast-IP	10.0G 6/6	green	2,35	1,51	A2	1	1	1		Phase IV	
GB0173	drawn	minute	0,652892562	short	transparent-translucent	1	tube	K2-IP	2.5B 6/4	blue-green	2,42	1,58	A2	1	1	1		Phase IV	patina over bead
GB0174	drawn	minute	1,045454545	standard	transparent-translucent	1	tube	East Coast-IP	7.5G 5/6	green	1,98	2,07	A2	1	1	1		Phase IV	

GB0175	drawn	small	1,084507042	standard	transparent-translucent	2	tube	East Coast-IP	2.5GY 7/10	green	2,84	3,08	A2	1	1	1		Phase IV	thick patina (makes colour difficult to tell) ends broken off diagonall
GB0176	drawn	minute	0,758928571	short	transparent-translucent	3	oblate	East Coast-IP	10.0G 6/6	green	2,24	1,7	A2	1	1		1	Phase IV	patina over most of bead
GB0177	drawn	small	0,559386973	short	transparent-translucent	3	cylinder	East Coast-IP	10.0G 6/6	green	2,61	1,46	A2	1	1	1		Phase IV	sketch on form
GB0178	drawn	minute	0,545833333	short	transparent-translucent	3	cylinder	East Coast-IP	10.0G 6/6	green	2,4	1,31	A2	1	1	1		Phase IV	
GB0179	drawn	small	0,544	short	transparent-translucent	3	cylinder	East Coast-IP	10.0G 6/6	green	2,5	1,36	A2	1	1	1		Phase IV	
GB0180	drawn	minute	0,587719298	short	transparent-translucent	3	cylinder	Mapungubwe Oblate	7.5BG 6/6	blue-green	2,28	1,34	A2	1	1		1	Phase IV	bead fits one below
GB0181	drawn	minute	0,587719298	short	transparent-translucent	3	cylinder	Mapungubwe Oblate	7.5BG 6/6	blue-green	2,28	1,34	A2	1	1		1	Phase IV	bead fits one above
GB0182	drawn	small	0,813492063	standard	transparent-translucent	3	cylinder	East Coast-IP	10.0G 6/6	green	2,52	2,05	A2	1	1	1		Phase IV	
GB0183	drawn	small	0,75	short	translucent	3	cylinder	East Coast-IP	5.0G 6/5	green	2,64	1,98	A2	1	1	1		Phase IV	
GB0184	drawn	small	0,863636364	standard	translucent-opaque	3	cylinder	East Coast-IP	7.5G 5/6	green	2,86	2,47	A2	1	1	1		Phase IV	thin patina over bead
GB0185	drawn	minute	1,064039409	standard	translucent-opaque	3	cylinder	East Coast-IP	5.0G 6/6	green	2,03	2,16	A2	1	1	1		Phase IV	cylinder due to roundness, but tube length, patina over bead
GB0186	drawn	small	0,732258065	short	translucent-opaque	3	cylinder	East Coast-IP	7.5G 5/6	green	3,1	2,27	A2	1	1	1		Phase IV	patina over bead
GB0187	drawn	minute	0,555555556	short	translucent-opaque	3	cylinder	Mapungubwe Oblate	7.5BG 6/8	blue-green	2,25	1,25	A2	1	1	1		Phase IV	
GB0188	drawn	minute	0,558558559	short	translucent-opaque	3	cylinder	Mapungubwe Oblate	7.5BG 5/6	blue-green	2,22	1,24	A2	1	1	1		Phase IV	patina over bead
GB0189	drawn	small	0,75562701	short	translucent-opaque	3	cylinder	Mapungubwe Oblate	7.5BG 6/5	blue-green	3,11	2,35	A2	1	1	1		Phase IV	thin patina over bead
GB0190	drawn	small	0,608365019	short	translucent-opaque	3	cylinder	East Coast-IP	10.0G 6/6	green	2,63	1,6	A2	1	1	1		Phase IV	
GB0191	drawn	minute	0,573221757	short	translucent-opaque	3	cylinder	East Coast-IP	10.0G 6/6	green	2,39	1,37	A2	1	1	1		Phase IV	
GB0192	drawn	medium	0,852272727	standard	opaque-translucent	3	cylinder	East Coast-IP	10.0GY 5/8	green	3,52	3	A2	1	1		1	Phase IV	broken into more than half
GB0193	drawn	medium	0,588832487	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	3,94	2,32	A2	1	1	1		Phase IV	patches of patina across bead; small perforation (due to accidental bubble?) next

																			to large one; face is oval
GB0194	drawn	small	0,845201238	standard	opaque	2	cylinder	Mapungubwe Oblate	N1	black	3,23	2,73	A2	1	1	1		Phase IV	thin patches of patina over bead; one part of one edge broken off (break has no patina)
GB0195	drawn	small	0,718518519	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,7	1,94	A2	1	1	1		Phase IV	thick patina over parts of bead
GB0196	drawn	small	0,43537415	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,94	1,28	A2	1	1	1		Phase IV	thick patina over bead
GB0197	drawn	small	0,598639456	short	opaque	1	cylinder	Mapungubwe Oblate	N1	black	2,94	1,76	A2	1	1	1		Phase IV	thick patina over bead
GB0198	drawn	small	0,442446043	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,78	1,23	A2	1	1	1		Phase IV	thin patina over bead
GB0199	drawn	small	0,519083969	short	opaque	2	cylinder	Mapungubwe Oblate	N1	black	2,62	1,36	A2	1	1	1		Phase IV	thick patina over bead
GB0200	drawn	small	0,577075099	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,53	1,46	A2	1	1	1		Phase IV	
GB0201	drawn	small	0,66015625	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,56	1,69	A2	1	1	1		Phase IV	patina on edges
GB0202	drawn	minute	0,569037657	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,39	1,36	A2	1	1	1		Phase IV	thin patina over bead
GB0203	drawn	minute	0,532110092	short	opaque	2	tube	Mapungubwe Oblate	N1	black	2,18	1,16	A2	1	1	1		Phase IV	thin patina over bead
GB0204	drawn	minute	0,919282511	standard	transparent-translucent	1	tube	K2-IP	5.0BG 6/3	blue-green	2,23	2,05	A2	1	1	1		Phase IV	colour taken when on paper; thin patina over bead
GB0205	drawn	minute	1,053921569	standard	transparent-translucent	1	tube	East Coast-IP	7.5GY 5/4	green	2,04	2,15	A2	1	1		1	Phase IV	thin patina over bead, including breaks; broken in half
GB0206	drawn	small	0,739393939	short	translucent-transparent	3	cylinder	Mapungubwe Oblate	7.5GY 6/8	green	3,3	2,44	A2	1	1		1	Phase IV	patina especially on side and faces
GB0207	drawn	small	0,420863309	short	transparent-translucent	3	cylinder	Zimbabwe	5.0Y 8/10	yellow	2,78	1,17	A2	1	1	1		Phase IV	
GB0208	drawn	minute	0,681451613	short	translucent	2	cylinder	Mapungubwe Oblate	10.0Y 8/10	yellow	2,48	1,69	A2	1	1	1		Phase IV	
GB0209	drawn	minute	0,775510204	short	transparent-translucent	2	cylinder	Mapungubwe Oblate	8.0PB 3/6	blue	1,96	1,52	A2	1	1	1		Phase IV	

GB0210	drawn	small	0,8	standard	opaque	3	cylinder	East Coast-IP	7.5R 4/6	brownish-red	3,3	2,64	A2	1	1	1		Phase IV	ends broken off diagonally and parallel to one another
GB0211	drawn	small	0,636645963	short	opaque	3	cylinder	East Coast-IP	7.5R 4/6	brownish-red	3,22	2,05	A2	1	1	1		Phase IV	
GB0212	drawn	small	0,771331058	short	opaque	3	cylinder	East Coast-IP	7.5R 4/6	brownish-red	2,93	2,26	A2	1	1	1		Phase IV	patches of light brown patina over bead
GB0213	drawn	small	1,374468085	long	opaque	2	tube	East Coast-IP	7.5R 4/6	brownish-red	2,35	3,23	A2	1	1	1		Phase IV	part of one end broken off
GB0214	drawn	small	0,572916667	short	opaque	3	cylinder	East Coast-IP	7.5R 4/6	brownish-red	2,88	1,65	A2	1	1	1		Phase IV	
GB0215	drawn	small	0,407114625	short	opaque	3	cylinder	East Coast-IP	7.5R 4/6	brownish-red	2,53	1,03	A2	1	1	1		Phase IV	thin patina inner colour maybe 5.0R 4/10 or 5.0R 3/10
GB0216	drawn	minute	0,823275862	standard	opaque	3	cylinder	East Coast-IP	5.0R 3/6	brownish-red	2,32	1,91	A2	1	1	1		Phase IV	
GB0217	drawn	minute	0,982978723	standard	opaque	0	tube	East Coast-IP	7.5R 4/14	brownish-red	2,35	2,31	A2	1	1	1		Phase IV	some parts red; not sure if bead is clay, full of small soil particles
GB0218	drawn	small	0,71042471	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,59	1,84	A2	L: z/-6"	2		1	Phase IV	string 4/54
GB0219	drawn	small	1,642857143	long	opaque	4	oblate	Mapungubwe Oblate	5.0G 5/4	green	2,94	4,83	A2	L: z/-6"	2	1		Phase IV	no perforation, not sure of material but looks like glass, could be a seed? Sketch on form
GB0220	drawn	minute	0,7593361	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,41	1,83	A2	L: z/-6"	2	1		Phase IV	thick layer of patina over whole bead
GB0221	drawn	minute	0,570281124	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,49	1,42	A2	L: z/-6"	2	1		Phase IV	
GB0222	drawn	minute	0,385	short	opaque	1	tube	East Coast-IP	7.5R 4/6	brownish-red	2	0,77	A2	L: z/-6"	2		1	Phase IV	
GB0223	drawn	minute	0,592964824	short	transparent	3	cylinder	Mapungubwe Oblate	5.0PB 4/8	blue	1,99	1,18	A2	L: z/-6"	2	1		Phase IV	slight patina around bead; bead colour taken when held up in light because of transparency
GB0224	drawn	minute	0,676056338	short	opaque	0	tube	East Coast-IP	7.5R 4/6	brownish-red	2,13	1,44	A2	R: z/-6"	2		1	Phase IV	broken in half
GB0225	drawn	small	0,630718954	short	translucent-transparent	4	oblate	East Coast-IP	5.0Y 8/10	yellow	3,06	1,93	A2	R: z/-6"	2		1	Phase IV	close to cylinder

GB0226	drawn	small	0,552529183	short	translucent-opaque	3	cylinder	East Coast-IP	7.5GY 5/4	green	2,57	1,42	A2	R: z/-6"	2		1	Phase IV	
GB0227	drawn	minute	0,656903766	short	translucent	3	cylinder	East Coast-IP	10.0Y 4/4	yellow	2,39	1,57	A2	R: z/-6"	2	1		Phase IV	
GB0228	drawn	minute	0,811428571	standard	transparent	3	cylinder	Mapungubwe Oblate	10.0B 2/6	blue	1,75	1,42	A2	R: z/-6"	2	1		Phase IV	
GB0229	drawn	medium	0,428205128	short	translucent	3	cylinder	East Coast-IP	5.0Y 8/10	yellow	3,9	1,67	A2	2	2	1		Phase IV	
GB0230	drawn	small	0,514285714	short	translucent-transparent	3	cylinder	East Coast-IP	7.5Y 8/6	yellow	2,8	1,44	A2	2	2	1		Phase IV	
GB0231	drawn	small	0,529824561	short	translucent-transparent	2	tube	East Coast-IP	5.0Y 8/10	yellow	2,85	1,51	A2	2	2	1		Phase IV	
GB0232	drawn	small	0,541033435	short	opaque	3	cylinder	East Coast-IP	5.0R 3/6	brownish-red	3,29	1,78	A2	2	2	1		Phase IV	
GB0233	drawn	small	0,954703833	standard	opaque	1	tube	East Coast-IP	7.5R 4/6	brownish-red	2,87	2,74	A2	2	2	1		Phase IV	bubbles or pores on edge
GB0234	drawn	small	0,715654952	short	opaque	1	tube	East Coast-IP	5.0R 3/6	brownish-red	3,13	2,24	A2	2	2	1		Phase IV	darker line running from edge to edge
GB0235	drawn	small	0,897526502	standard	opaque	1	tube	East Coast-IP	7.5R 4/6	brownish-red	2,83	2,54	A2	2	2	1		Phase IV	one part of side flattened, probably during melting with large bubble in it
GB0236	drawn	small	0,656462585	short	opaque	3	cylinder	East Coast-IP	7.5R 4/6	brownish-red	2,94	1,93	A2	2	2	1		Phase IV	also close to 5.0R 4/8; thin patina over parts of bead
GB0237	drawn	small	0,804597701	standard	opaque	2	cylinder	East Coast-IP	5.0R 4/8	brownish-red	2,61	2,1	A2	2	2	1		Phase IV	thick patina with parts chipped away showing brighter red
GB0238	drawn	small	0,720430108	short	opaque	3	cylinder	East Coast-IP	5.0R 4/8	brownish-red	2,79	2,01	A2	2	2	1		Phase IV	patina over side of bead and around perforation
GB0239	drawn	small	0,491349481	short	opaque	1	tube	East Coast-IP	7.5R 4/6	brownish-red	2,89	1,42	A2	2	2	1		Phase IV	two notches in one of edges
GB0240	drawn	small	0,812056738	standard	opaque	3	cylinder	East Coast-IP	7.5R 4/6	brownish-red	2,82	2,29	A2	2	2	1		Phase IV	
GB0241	drawn	small	0,494545455	short	opaque	2	cylinder	East Coast-IP	5.0R 3/6	brownish-red	2,75	1,36	A2	2	2	1		Phase IV	thin patina on one face
GB0242	drawn	small	0,605633803	short	opaque	1	tube	East Coast-IP	7.5R 4/6	brownish-red	2,84	1,72	A2	2	2	1		Phase IV	one part of side flattened; both faces have bubble/ are very rough
GB0243	drawn	small	0,829545455	standard	opaque	2	cylinder	East Coast-IP	5.0R 4/8	brownish-red	2,64	2,19	A2	2	2	1		Phase IV	thin patina over side of bead

GB0244	drawn	minute	1,360215054	long	opaque	2	cylinder	East Coast-IP	5.0R 4/8	brownish-red	1,86	2,53	A2	2	2	1		Phase IV	thin patina on side and faces
GB0245	drawn	small	0,585185185	short	opaque	3	cylinder	East Coast-IP	7.5R 4/6	brownish-red	2,7	1,58	A2	2	2	1		Phase IV	
GB0246	drawn	small	0,832669323	standard	opaque	1	tube	East Coast-IP	10.0R 3/8	brownish-red	2,51	2,09	A2	2	2	1		Phase IV	thick patina on most of bead
GB0247	drawn	small	0,537848606	short	opaque	3	cylinder	East Coast-IP	7.5R 4/6	brownish-red	2,51	1,35	A2	2	2	1		Phase IV	thick patches of patina across bead
GB0248	drawn	minute	0,600823045	short	opaque	3	cylinder	East Coast-IP	7.5R 4/6	brownish-red	2,43	1,46	A2	2	2	1		Phase IV	face oval
GB0249	drawn	small	0,523255814	short	opaque	3	cylinder	East Coast-IP	7.5R 4/6	brownish-red	2,58	1,35	A2	2	2		1	Phase IV	a third to just less than a half of bead present
GB0250	drawn	medium	0,668367347	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	3,92	2,62	A2	2	2	1		Phase IV	thick patina over most of bead
GB0251	drawn	medium	0,6975	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	4	2,79	A2	2	2	1		Phase IV	very thin patina over bead; oval face
GB0252	drawn	small	0,891975309	standard	opaque	1	tube	Mapungubwe Oblate	N1	black	3,24	2,89	A2	2	2	1		Phase IV	thick patina over most of bead; most beads have oval face
GB0253	drawn	small	0,684971098	short	opaque	2	cylinder	Mapungubwe Oblate	N1	black	3,46	2,37	A2	2	2	1		Phase IV	
GB0254	drawn	medium	0,472375691	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	3,62	1,71	A2	2	2	1		Phase IV	not oval face
GB0255	drawn	small	1,199324324	standard	opaque	2	tube	Mapungubwe Oblate	N1	black	2,96	3,55	A2	2	2	1		Phase IV	thick patina over most of bead
GB0256	drawn	medium	0,56	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	3,5	1,96	A2	2	2	1		Phase IV	thick patina over most of bead; face oval
GB0257	drawn	small	0,530864198	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	3,24	1,72	A2	2	2	1		Phase IV	thick patina over most of bead
GB0258	drawn	small	0,894039735	standard	opaque	2	cylinder	Mapungubwe Oblate	N1	black	3,02	2,7	A2	2	2	1		Phase IV	one side broken off diagonally and very uneven; thick patina over most of bead
GB0259	drawn	small	0,787878788	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	3,3	2,6	A2	2	2	1		Phase IV	thick patina over most of bead; face is oval
GB0260	drawn	small	0,780185759	short	opaque	1	tube	Mapungubwe Oblate	N1	black	3,23	2,52	A2	2	2	1		Phase IV	
GB0261	drawn	small	0,582822086	short	opaque	1	tube	Mapungubwe Oblate	N1	black	3,26	1,9	A2	2	2	1		Phase IV	face: oval

GB0262	drawn	small	1,116883117	standard	opaque	3	cylinder	Mapungubwe Oblate	N1	black	3,08	3,44	A2	2	2	1		Phase IV	patina over most of bead; sketch on form-bead fairly long
GB0263	drawn	small	0,716463415	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	3,28	2,35	A2	2	2	1		Phase IV	very close to oblate; patina over most of bead; sketch on bead
GB0264	drawn	small	0,555555556	short	opaque	2	cylinder	Mapungubwe Oblate	N1	black	3,33	1,85	A2	2	2	1		Phase IV	thick patina over bead
GB0265	drawn	small	0,859649123	standard	opaque	2	cylinder	Mapungubwe Oblate	N1	black	2,85	2,45	A2	2	2	1		Phase IV	thick patina over most of bead
GB0266	drawn	small	0,639393939	short	opaque	4	cylinder	Mapungubwe Oblate	N1	black	3,3	2,11	A2	2	2	1		Phase IV	bead not very symmetrical (if according to axis running from side to side) (sketch on form)
GB0267	drawn	minute	2,251012146	very long	opaque	1	tube	Mapungubwe Oblate	N1	black	2,47	5,56	A2	2	2	1		Phase IV	patina over most of bead
GB0268	drawn	small	1,010714286	standard	opaque	1	tube	Mapungubwe Oblate	N1	black	2,8	2,83	A2	2	2	1		Phase IV	patina over most of bead
GB0269	drawn	small	1,227106227	long	opaque	0	tube	Mapungubwe Oblate	N1	black	2,73	3,35	A2	2	2	1		Phase IV	ends broken off diagonally; thick patina on parts of bead (especially facesand part of side)
GB0270	drawn	small	0,509803922	short	opaque	0	tube	Mapungubwe Oblate	N1	black	3,06	1,56	A2	2	2	1		Phase IV	thick patina over most of bead
GB0271	drawn	small	0,652317881	short	opaque	2	cylinder	Mapungubwe Oblate	N1	black	3,02	1,97	A2	2	2	1		Phase IV	thick patina on most of bead
GB0272	drawn	small	0,517684887	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	3,11	1,61	A2	2	2	1		Phase IV	patchy patina across bead
GB0273	drawn	small	0,807432432	standard	opaque	2	cylinder	Mapungubwe Oblate	N1	black	2,96	2,39	A2	2	2	1		Phase IV	patina over most of bead
GB0274	drawn	minute	1,205645161	long	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,48	2,99	A2	2	2	1		Phase IV	patina over parts of bead; long bead with one end of perforation in diagonal face, sketch on form
GB0275	drawn	small	0,746527778	short	opaque	1	tube	Mapungubwe Oblate	N1	black	2,88	2,15	A2	2	2	1		Phase IV	face: oval
GB0276	drawn	small	0,666666667	short	opaque	1	tube	Mapungubwe Oblate	N1	black	3	2	A2	2	2	1		Phase IV	thin patina, patchy across most of bead

GB0277	drawn	small	0,925925926	standard	opaque	0	tube	Mapungubwe Oblate	N1	black	2,7	2,5	A2	2	2	1		Phase IV	one part of end somewhat rounded, but most of ends look more like untreated break; thick patina, patchy of most of bead
GB0278	drawn	small	1,24	long	opaque	0	tube	Mapungubwe Oblate	N1	black	2,5	3,1	A2	2	2	1		Phase IV	thick patina over parts of bead
GB0279	drawn	small	0,574193548	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	3,1	1,78	A2	2	2	1		Phase IV	thick patina over most of bead, except edge
GB0280	drawn	small	0,428205128	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	3,9	1,67	A2	2	2	1		Phase IV	thick patina over most of bead
GB0281	drawn	minute	1,379807692	long	opaque	2	cylinder	Mapungubwe Oblate	N1	black	2,08	2,87	A2	2	2	1		Phase IV	thick patina over most of bead; edge of one face makes a point
GB0282	drawn	small	0,832752613	standard	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,87	2,39	A2	2	2	1		Phase IV	thick patina over mmost of bead
GB0283	drawn	small	0,410169492	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,95	1,21	A2	2	2	1		Phase IV	sketch on form-one part of side thinner; thick patina over most of bead
GB0284	drawn	small	0,568345324	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,78	1,58	A2	2	2	1		Phase IV	thick patina over most of bead except parts of edges
GB0285	drawn	small	0,504823151	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	3,11	1,57	A2	2	2	1		Phase IV	thick patina over most of bead
GB0286	drawn	small	0,634482759	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,9	1,84	A2	2	2	1		Phase IV	thick patina over most of bead
GB0287	drawn	small	0,770547945	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,92	2,25	A2	2	2	1		Phase IV	thick patina over most of bead
GB0288	drawn	small	0,622895623	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,97	1,85	A2	2	2	1		Phase IV	thick patina over most of bead
GB0289	drawn	small	0,751748252	short	opaque	1	tube	Mapungubwe Oblate	N1	black	2,86	2,15	A2	2	2	1		Phase IV	
GB0290	drawn	small	0,841509434	standard	opaque	2	cylinder	Mapungubwe Oblate	N1	black	2,65	2,23	A2	2	2	1		Phase IV	thick patina over most of bead; two opposite points of side flattened, one

																			face almost trapezoid
GB0291	drawn	small	0,615625	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	3,2	1,97	A2	2	2	1		Phase IV	broken in half (found both pieces); thick patina over most of bead (but not over breaks
GB0292	drawn	small	0,564935065	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	3,08	1,74	A2	2	2	1		Phase IV	patina over most of bead
GB0293	drawn	small	0,547038328	short	opaque	1	tube	Mapungubwe Oblate	N1	black	2,87	1,57	A2	2	2	1		Phase IV	thick patina over most of bead
GB0294	drawn	small	0,458181818	short	opaque	2	cylinder	Mapungubwe Oblate	N1	black	2,75	1,26	A2	2	2	1		Phase IV	thick patina over most of bead, bubble or pore next to perforation, doesn't extend through bead
GB0295	drawn	small	0,58419244	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,91	1,7	A2	2	2	1		Phase IV	thick patina over most of bead
GB0296	drawn	small	0,623762376	short	opaque	4	oblate	Mapungubwe Oblate	N1	black	3,03	1,89	A2	2	2	1		Phase IV	very close to cylinder, but no clear flattened face just perforation ; face oveal, thin patchy patina
GB0297	drawn	small	0,430976431	short	opaque	2	cylinder	Mapungubwe Oblate	N1	black	2,97	1,28	A2	2	2	1		Phase IV	patchy patina across bead
GB0298	drawn	small	0,845070423	standard	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,84	2,4	A2	2	2	1		Phase IV	thick patina over most of bead
GB0299	drawn	small	0,487719298	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,85	1,39	A2	2	2	1		Phase IV	thick patina over most of bead
GB0300	drawn	small	0,494845361	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,91	1,44	A2	2	2	1		Phase IV	thick patina across of bead
GB0301	drawn	small	0,568421053	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,85	1,62	A2	2	2	1		Phase IV	thick patina over most of bead
GB0302	drawn	small	0,571428571	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,8	1,6	A2	2	2	1		Phase IV	thick patina over most of bead
GB0303	drawn	small	0,494736842	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,85	1,41	A2	2	2	1		Phase IV	thick patina over most of bead
GB0304	drawn	small	0,900383142	standard	opaque	2	cylinder	Mapungubwe Oblate	N1	black	2,61	2,35	A2	2	2	1		Phase IV	patina over most of bead

GB0305	drawn	small	0,822222222	standard	opaque	0	tube	Mapungubwe Oblate	N1	black	2,7	2,22	A2	2	2	1		Phase IV	
GB0306	drawn	small	0,754578755	short	opaque	4	cylinder	Mapungubwe Oblate	N1	black	2,73	2,06	A2	2	2	1		Phase IV	very close to cylinder, one side has small flattened area around perforation; thick patina over parts of bead
GB0307	drawn	small	0,673333333	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	3	2,02	A2	2	2	1		Phase IV	thin patina over most of bead
GB0308	drawn	small	0,484320557	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,87	1,39	A2	2	2	1		Phase IV	thick patina over most of bead
GB0309	drawn	small	0,5795053	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,83	1,64	A2	2	2	1		Phase IV	thick patina over most of bead
GB0310	drawn	small	0,577060932	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,79	1,61	A2	2	2	1		Phase IV	very thin patina around side
GB0311	drawn	small	0,768060837	short	opaque	1	tube	Mapungubwe Oblate	N1	black	2,63	2,02	A2	2	2	1		Phase IV	thick patina over parts especially sides and faces
GB0312	drawn	small	0,524822695	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,82	1,48	A2	2	2	1		Phase IV	patina over most of bead
GB0313	drawn	small	0,694244604	short	opaque	1	tube	Mapungubwe Oblate	N1	black	2,78	1,93	A2	2	2	1		Phase IV	thick patina over parts of bead, some bubbles run parallel to perforation
GB0314	drawn	small	0,459854015	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,74	1,26	A2	2	2	1		Phase IV	thick patina over most of bead
GB0315	drawn	minute	0,909836066	standard	opaque	1	tube	Mapungubwe Oblate	N1	black	2,44	2,22	A2	2	2	1		Phase IV	thick patina over most of bead
GB0316	drawn	small	0,560606061	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,64	1,48	A2	2	2	1		Phase IV	thick patina over most of bead
GB0317	drawn	small	0,768953069	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,77	2,13	A2	2	2	1		Phase IV	close to oblate; thick patina over most of bead
GB0318	drawn	small	0,472027972	short	opaque	2	cylinder	Mapungubwe Oblate	N1	black	2,86	1,35	A2	2	2	1		Phase IV	patina over parts of bead; face oval
GB0319	drawn	small	0,92	standard	opaque	1	tube	Mapungubwe Oblate	N1	black	2,5	2,3	A2	2	2	1		Phase IV	patina over most of bead
GB0320	drawn	small	0,508650519	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,89	1,47	A2	2	2	1		Phase IV	face: oval (sketch on form); thick

																			patina over most of bead
GB0321	drawn	small	0,852398524	standard	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,71	2,31	A2	2	2	1		Phase IV	thick patina across bead
GB0322	drawn	small	0,731617647	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,72	1,99	A2	2	2	1		Phase IV	thick patina over most of bead (sketch on form; one part of thinner)
GB0323	drawn	small	0,417582418	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,73	1,14	A2	2	2	1		Phase IV	thick patina over most of bead
GB0324	drawn	small	0,586872587	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,59	1,52	A2	2	2	1		Phase IV	thick patina across bead
GB0325	drawn	small	0,818532819	standard	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,59	2,12	A2	2	2	1		Phase IV	thick patina across bead
GB0326	drawn	minute	0,865853659	standard	opaque	0	tube	Mapungubwe Oblate	N1	black	2,46	2,13	A2	2	2	1		Phase IV	patina patchy across bead
GB0327	drawn	small	0,516605166	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,71	1,4	A2	2	2	1		Phase IV	thick patina over most of bead
GB0328	drawn	small	0,567049808	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,61	1,48	A2	2	2	1		Phase IV	thick patina over most of bead
GB0329	drawn	small	0,507462687	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,68	1,36	A2	2	2	1		Phase IV	thick patina over most of bead
GB0330	drawn	small	0,463235294	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,72	1,26	A2	2	2	1		Phase IV	
GB0331	drawn	small	0,473484848	short	opaque	2	cylinder	Mapungubwe Oblate	N1	black	2,64	1,25	A2	2	2	1		Phase IV	patina patchy across bead
GB0332	drawn	small	0,514492754	short	opaque	2	cylinder	Mapungubwe Oblate	N1	black	2,76	1,42	A2	2	2	1		Phase IV	thick patina over most bead; break in edge and side
GB0333	drawn	small	0,713754647	short	opaque	2	cylinder	Mapungubwe Oblate	N1	black	2,69	1,92	A2	2	2	1		Phase IV	thick patina over most of bead
GB0334	drawn	small	0,720754717	short	opaque	2	cylinder	Mapungubwe Oblate	N1	black	2,65	1,91	A2	2	2	1		Phase IV	patina patchy across bead
GB0335	drawn	small	0,540441176	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,72	1,47	A2	2	2	1		Phase IV	thick patina over most of bead (less on edges)
GB0336	drawn	small	0,544802867	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,79	1,52	A2	2	2	1		Phase IV	thick patina over most of bead
GB0337	drawn	small	0,543396226	short	opaque	2	cylinder	Mapungubwe Oblate	N1	black	2,65	1,44	A2	2	2	1		Phase IV	thick patina over most of bead

GB0338	drawn	small	0,567272727	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,75	1,56	A2	2	2	1		Phase IV	thick patina over most of bead
GB0339	drawn	small	0,750929368	short	opaque	2	cylinder	Mapungubwe Oblate	N1	black	2,69	2,02	A2	2	2	1		Phase IV	thick patina over most of bead
GB0340	drawn	small	0,65234375	short	opaque	1	tube	Mapungubwe Oblate	N1	black	2,56	1,67	A2	2	2	1		Phase IV	thick patina over most of bead (open patches on side); bubbles next to perforation
GB0341	drawn	small	0,588461538	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,6	1,53	A2	2	2	1		Phase IV	thick patina across bead
GB0342	drawn	small	0,433333333	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,7	1,17	A2	2	2	1		Phase IV	thick patina over most of bead
GB0343	drawn	small	0,566929134	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,54	1,44	A2	2	2	1		Phase IV	thick patina over across bead; sketch on form, one side thinner
GB0344	drawn	small	0,803149606	standard	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,54	2,04	A2	2	2	1		Phase IV	thick patina over most of bead (in patches)
GB0345	drawn	small	0,695652174	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,53	1,76	A2	2	2	1		Phase IV	thick patina over most of bead (patina was already scratched but doesn't show black yet); sketch n form, one side thinner
GB0346	drawn	small	0,430769231	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,6	1,12	A2	2	2	1		Phase IV	thin patina across bead; sketch on form, one side thinner and bead almost looks as if cylinder bent and two ends stuck together
GB0347	drawn	small	0,456349206	short	opaque	2	cylinder	Mapungubwe Oblate	N1	black	2,52	1,15	A2	2	2	1		Phase IV	thick patina over most of bead
GB0348	drawn	small	0,501960784	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,55	1,28	A2	2	2	1		Phase IV	thick patina over most of bead; face oval
GB0349	drawn	small	0,494296578	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,63	1,3	A2	2	2	1		Phase IV	thin patina over most of bead; face: oval

GB0350	drawn	small	0,413385827	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,54	1,05	A2	2	2	1		Phase IV	thick patina over most of bead; buble parallel to perforation
GB0351	drawn	minute	0,563265306	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,45	1,38	A2	2	2	1		Phase IV	patina patchy across bead
GB0352	drawn	minute	0,738396624	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,37	1,75	A2	2	2	1		Phase IV	thick patina over most of bead; edge has a clear line
GB0353	drawn	minute	0,590163934	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,44	1,44	A2	2	2	1		Phase IV	patina patchy across bead
GB0354	drawn	small	0,55078125	short	opaque	2	cylinder	Mapungubwe Oblate	N1	black	2,56	1,41	A2	2	2	1		Phase IV	patina patchy across bead
GB0355	drawn	minute	0,534412955	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,47	1,32	A2	2	2	1		Phase IV	thick patina over bead
GB0356	drawn	minute	0,570281124	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,49	1,42	A2	2	2	1		Phase IV	thick patina over most of bead, some of patina broken off
GB0357	drawn	small	0,375527426	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,37	0,89	A2	2	2	1		Phase IV	patina in small patches over bead
GB0358	drawn	small	0,563786008	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,43	1,37	A2	2	2	1		Phase IV	patina over most of bead
GB0359	drawn	small	0,829875519	standard	opaque	2	cylinder	Mapungubwe Oblate	N1	black	2,41	2	A2	2	2	1		Phase IV	patina over most of bead; sketch on form
GB0360	drawn	minute	0,671111111	short	opaque	2	cylinder	Mapungubwe Oblate	N1	black	2,25	1,51	A2	2	2	1		Phase IV	patina across bead
GB0361	drawn	minute	0,561181435	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,37	1,33	A2	2	2	1		Phase IV	patina in small patches over bead
GB0362	drawn	minute	0,541666667	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,4	1,3	A2	2	2	1		Phase IV	patina over most of bead (thin black line on each edge, line not complete)
GB0363	drawn	minute	0,856502242	standard	opaque	2	cylinder	Mapungubwe Oblate	N1	black	2,23	1,91	A2	2	2	1		Phase IV	patina over most of bead, thicker around perforation
GB0364	drawn	minute	0,549356223	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,33	1,28	A2	2	2	1		Phase IV	patina in patches over bead
GB0365	drawn	minute	0,555555556	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,34	1,3	A2	2	2	1		Phase IV	patina in patches across bead
GB0366	drawn	small	0,776223776	short	opaque	2	cylinder	Mapungubwe Oblate	N1	black	2,86	2,22	A2	2	2		1	Phase IV	patina across bead, not on breaks

GB0367	drawn	small	0,550488599	short	opaque	2	cylinder	Mapungubwe Oblate	N1	black	3,07	1,69	A2	2	2		1	Phase IV	bead broken into c-shape; thin spots of patina dispersed over bead
GB0368	drawn	minute	0,669642857	short	opaque	2	cylinder	Mapungubwe Oblate	N1	black	2,24	1,5	A2	2	2		1	Phase IV	bead broken into less than half; not sure if it is glass, might be metal
GB0369	drawn	minute	0,86407767	standard	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,06	1,78	A2	2	2		1	Phase IV	thick patina over most of bead, patina on one break area but not on other; small piece of copper-like metal also in this bag
GB0370	drawn	minute	0,685950413	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,42	1,66	A2	2	2	1		Phase IV	thick patina over bead, not sure if black, but didn't want to break off patina
GB0371	drawn	small	0,820224719	standard	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,67	2,19	A2	2	2		1	Phase IV	one end broken off diagonally, bead broken in half; thick patina over bead (including breaks); black of bead seen through very small break in patina
GB0372	drawn	small	0,618110236	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,54	1,57	A2	2	2		1	Phase IV	thick patina over bead (including breaks, black of bead seen through very small break in patina)
GB0373	drawn	minute	0,591666667	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,4	1,42	A2	2	2	1		Phase IV	thick patina across bead, black of bead seen through very small break in patina
GB0374	drawn	minute	0,479820628	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,23	1,07	A2	2	2	1		Phase IV	thick patina across bead, black of bead seen through very small break in patina

GB0375	drawn	minute	0,492957746	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,13	1,05	A2	2	2	1		Phase IV	thick patina across bead, black of bead seen through very small break in patina
GB0376	drawn	minute	2,194968553	very long	opaque	2	cylinder	Mapungubwe Oblate	N1	black	1,59	3,49	A2	2	2	1		Phase IV	thick patina across bead (initially thought that bead was green, but under microscope seems more likely black); face: oval
GB0377	drawn	minute	1,060344828	standard	transparent	1	broken triangle	K2-IP	10.0BG 7/4	blue-green	1,16	1,23	A2	2	2		1	Phase IV	only part of a bead
GB0378	drawn	small	0,496	short	transparent-translucent	1	cylinder	K2-IP	7.5BG 5/6	blue-green	2,5	1,24	A2	2	2	1		Phase IV	patina over most of bead, bubbles next to perforation
GB0379	drawn	minute	0,513761468	short	translucent-transparent	3	cylinder	Mapungubwe Oblate	7.5BG 6/8	blue-green	2,18	1,12	A2	2	2	1		Phase IV	
GB0380	drawn	small	0,664473684	short	transparent-translucent	1	tube	East Coast-IP	7.5G 5/6	green	3,04	2,02	A2	2	2	1		Phase IV	face: oval
GB0381	drawn	minute	0,696202532	short	transparent-translucent	2	cylinder	K2-IP	5.0BG 4/8	blue-green	2,37	1,65	A2	2	2	1		Phase IV	patina over most of bead (not on edges); bead very dark and almost looks black without microscope and lighting from beneath; colour was difficult to ascertain and was not taken in natural sunlight
GB0382	drawn	small	0,550877193	short	transparent-translucent	3	cylinder	East Coast-IP	10.0GY 5/8	green	2,85	1,57	A2	2	2	1		Phase IV	thin patina over most of bead, not on edges
GB0383	drawn	small	0,450184502	short	transparent-translucent	2	tube	East Coast-IP	7.5G 5/6	green	2,71	1,22	A2	2	2	1		Phase IV	
GB0384	drawn	large	0,864745011	standard	transparent-translucent	2	cylinder	K2-IP	5.0BG 4/8	blue-green	4,51	3,9	A2	2	2		1	Phase IV	a third of bead measured, along side (bead broken into about a third); very thin patina

GB0385	drawn	small	0,50872093	short	transparent-translucent	1	tube	East Coast-IP	7.5GY 5/8	green	3,44	1,75	A2	2	2	1		Phase IV	thin patina over bead(on one edge isn't present)
GB0386	drawn	minute	0,431111111	short	transparent-translucent	3	cylinder	East Coast-IP	5.0G 5/4	green	2,25	0,97	A2	2	2	1		Phase IV	very thin patina over bead
GB0387	drawn	small	0,393939394	short	transparent-translucent	3	cylinder	K2-IP	7.5BG 6/8	blue-green	2,97	1,17	A2	2	2	1		Phase IV	
GB0388	drawn	small	0,66798419	short	translucent	0	tube	East Coast-IP	10.0GY 6/6	green	2,53	1,69	A2	2	2	1		Phase IV	
GB0389	drawn	minute	1,065116279	standard	translucent	3	cylinder	East Coast-IP	5.0G 6/6	green	2,15	2,29	A2	2	2		1	Phase IV	thin patina across bead
GB0390	drawn	small	0,836363636	standard	translucent	3	cylinder	East Coast-IP	10.0G 6/6	green	2,75	2,3	A2	2	2	1		Phase IV	
GB0391	drawn	medium	0,650717703	short	translucent	3	cylinder	East Coast-IP	7.5GY 5/4	green	4,18	2,72	A2	2	2	1		Phase IV	very thin patina over parts of bead
GB0392	drawn	small	0,7265625	short	translucent	3	cylinder	Zimbabwe	10.0G 4/5	green	2,56	1,86	A2	2	2	1		Phase IV	
GB0393	drawn	minute	0,608870968	short	translucent	3	cylinder	East Coast-IP	5.0G 5/4	green	2,48	1,51	A2	2	2	1		Phase IV	
GB0394	drawn	small	0,482315113	short	translucent	3	cylinder	East Coast-IP	7.5G 5/6	green	3,11	1,5	A2	2	2	1		Phase IV	thin patina over most of bead
GB0395	drawn	minute	0,588516746	short	translucent	3	cylinder	East Coast-IP	7.5G 5/6	green	2,09	1,23	A2	2	2	1		Phase IV	thin patina over bead
GB0396	drawn	small	0,459770115	short	translucent	3	cylinder	East Coast-IP	7.5G 5/6	green	2,61	1,2	A2	2	2	1		Phase IV	
GB0397	drawn	minute	0,5	short	translucent	3	cylinder	East Coast-IP	10.0G 6/6	green	2,26	1,13	A2	2	2	1		Phase IV	
GB0398	drawn	minute	0,580786026	short	translucent	3	cylinder	East Coast-IP	10.0G 6/6	green	2,29	1,33	A2	2	2	1		Phase IV	
GB0399	drawn	medium	0,610644258	short	translucent-opaque	3	cylinder	East Coast-IP	7.5G 5/6	green	3,57	2,18	A2	2	2		1	Phase IV	thin patina across bead (on breaks as well); bead broken in half
GB0400	drawn	small	0,687943262	short	translucent-opaque	3	cylinder	East Coast-IP	10.0G 6/6	green	2,82	1,94	A2	2	2		1	Phase IV	thin patina across bead (on breaks as well); bead broken in half
GB0401	drawn	small	0,897435897	standard	translucent-opaque	3	cylinder	East Coast-IP	7.5G 5/6	green	2,73	2,45	A2	2	2		1	Phase IV	thin patina across bead
GB0402	drawn	small	0,58490566	short	translucent-opaque	3	cylinder	East Coast-IP	10.0GY 4/6	green	2,65	1,55	A2	2	2	1		Phase IV	patina over most of bead; face oval
GB0403	drawn	medium	0,657458564	short	opaque	2	cylinder	Mapungubwe Oblate	N1	black	3,62	2,38	A2	2	2	1		Phase IV	thick patina over most of bead, some

																			black visible on one face
GB0404	drawn	small	0,457478006	short	opaque	2	cylinder	Mapungubwe Oblate	N1	black	3,41	1,56	A2	2	2	1		Phase IV	thick patina over most of bead; some black visible when bead is wet; bubble parallel to perforation
GB0405	drawn	small	0,578635015	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	3,37	1,95	A2	2	2	1		Phase IV	thick patina over most of bead, patches of black visible when dry
GB0406	drawn	small	0,686666667	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	3	2,06	A2	2	2	1		Phase IV	bead broken in half (fresh break) bt both pieces found, broke further during measuring (larger fragments), very thick patina, small centres of black visible inside patina
GB0407	drawn	small	0,669811321	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	3,18	2,13	A2	2	2	1		Phase IV	thick patina over most of bead, patches of black surface still open
GB0408	drawn	small	0,607260726	short	opaque	2	cylinder	Mapungubwe Oblate	N1	black	3,03	1,84	A2	2	2	1		Phase IV	thick patina over most of bead, bubbles in patina some parts of faces have thin patina
GB0409	drawn	small	0,534883721	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	3,01	1,61	A2	2	2	1		Phase IV	thick patina over bead (patches broken off)
GB0410	drawn	small	0,539735099	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	3,02	1,63	A2	2	2	1		Phase IV	thick patina over most of bead
GB0411	drawn	small	0,444078947	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	3,04	1,35	A2	2	2	1		Phase IV	thick patina over most of bead
GB0412	drawn	small	0,61461794	short	opaque	1	tube	Mapungubwe Oblate	N1	black	3,01	1,85	A2	2	2	1		Phase IV	patchy patina over bead

GB0413	drawn	small	0,837288136	standard	opaque	4	cylinder	Mapungubwe Oblate	N1	black	2,95	2,47	A2	2	2	1		Phase IV	close to cylinder, but rounded and flat areas mostly created by perforation
GB0414	drawn	small	0,745704467	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,91	2,17	A2	2	2	1		Phase IV	thick patina over most of bead, some chipped off during measuring
GB0415	drawn	small	0,698924731	short	opaque	1	tube	Mapungubwe Oblate	N1	black	2,79	1,95	A2	2	2	1		Phase IV	thick patina over most of bead, (some black visible inside perforation)
GB0416	drawn	small	1,014336918	standard	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,79	2,83	A2	2	2	1		Phase IV	R3 ends to long body -so is it a barrel shape? Thick patina over most of bead (small black patches open); ends broken off diagonally and parallel
GB0417	drawn	small	0,553571429	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,8	1,55	A2	2	2	1		Phase IV	thick patina over most of bead (small black patches open)
GB0418	drawn	small	0,924	standard	opaque	0	tube	Mapungubwe Oblate	N1	black	2,5	2,31	A2	2	2	1		Phase IV	patina over most of bead, small patches and spots of black visible
GB0419	drawn	small	0,742424242	short	opaque	0	tube	Mapungubwe Oblate	N1	black	2,64	1,96	A2	2	2	1		Phase IV	maybe R1 and reheated
GB0420	drawn	small	0,571428571	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,73	1,56	A2	2	2	1		Phase IV	patina over most of bead, edges still clear
GB0421	drawn	small	0,671698113	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,65	1,78	A2	2	2	1		Phase IV	thin patina across bead
GB0422	drawn	small	0,388235294	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,55	0,99	A2	2	2	1		Phase IV	patchy patina over bead; bubble parallel to perforation
GB0423	drawn	small	0,496212121	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,64	1,31	A2	2	2	1		Phase IV	patina over parts of bead (especially on edges in perforation)

GB0424	drawn	small	1,171052632	standard	opaque	2	tube	Mapungubwe Oblate	N1	black	2,28	2,67	A2	2	2	1		Phase IV	patina over most of bead (small spots of black visible)
GB0425	drawn	small	0,75	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,52	1,89	A2	2	2	1		Phase IV	patina over most of bead (less on edges)
GB0426	drawn	small	0,609561753	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,51	1,53	A2	2	2	1		Phase IV	thin patina over most of bead, less on edges and along middle of side
GB0427	drawn	minute	0,544642857	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,24	1,22	A2	2	2	1		Phase IV	thick patina over most of bead; sketch on form (one part of beads side is much thinner and perforation is closer to this side)
GB0428	drawn	minute	0,683257919	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,21	1,51	A2	2	2	1		Phase IV	thick patina over most of bead (one part of edge and perforation open)
GB0429	drawn	minute	0,482608696	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,3	1,11	A2	2	2	1		Phase IV	patina over most of bead (parts of edges and side open)
GB0430	drawn	small	0,77258567	short	opaque	0	tube	East Coast-IP	2.5R 2/6	brownish-red	3,21	2,48	A2	2	2		1	Phase IV	bead broken in half, parallel to perforation one end broken diagonally
GB0431	drawn	small	0,957446809	standard	opaque	3	cylinder	East Coast-IP	5.0R 4/8	brownish-red	2,82	2,7	A2	2	2	1		Phase IV	one side broken diagonally
GB0432	drawn	small	0,734375	short	opaque	1	tube	East Coast-IP	7.5R 4/6	brownish-red	2,56	1,88	A2	2	2	1		Phase IV	both ends broken diagonally and parallel; dark line on side (surface of bead parallel to perforation)
GB0433	drawn	minute	0,782608696	short	opaque	0	tube	East Coast-IP	7.5R 4/6	brownish-red	2,3	1,8	A2	2	2		1	Phase IV	broken in half (parallel to perforation)
GB0434	drawn	minute	0,828451883	standard	opaque	2	cylinder	East Coast-IP	7.5R 3/10	brownish-red	2,39	1,98	A2	2	2	1		Phase IV	thick patina over one end of bead
GB0435	drawn	minute	0,509433962	short	transparent-translucent	3	cylinder	East Coast-IP	7.5GY 6/6	green	2,12	1,08	A2	2	2	1		Phase IV	
GB0436	drawn	minute	0,52244898	short	translucent-transparent	3	cylinder	Mapungubwe Oblate	7.5BG 6/6	blue-green	2,45	1,28	A2	2	2	1		Phase IV	

GB0437	drawn	minute	0,665217391	short	translucent-transparent	3	cylinder	East Coast-IP	2.5G 6/4	green	2,3	1,53	A2	2	2		1	Phase IV	large part of side broken off, off but not up to perforation (so broken parallel to perforation)
GB0438	drawn	minute	0,690140845	short	translucent-transparent	1	tube	East Coast-IP	10.0GY 6/6	green	2,13	1,47	A2	2	2	1		Phase IV	
GB0439	drawn	minute	0,758333333	short	translucent-transparent	3	cylinder	East Coast-IP	7.5G 5/6	green	2,4	1,82	A2	2	2	1		Phase IV	
GB0440	drawn	minute	0,549295775	short	translucent	3	cylinder	Mapungubwe Oblate	7.5BG 6/8	blue-green	2,13	1,17	A2	2	2	1		Phase IV	thin patina on most of bead (except edge)
GB0441	drawn	small	0,689768977	short	translucent	3	cylinder	Mapungubwe Oblate	7.5BG 6/6	blue-green	3,03	2,09	A2	2	2		1	Phase IV	thin patina on most of bead, including break; broken in half, through perforation
GB0442	drawn	small	0,925795053	standard	translucent-opaque	3	cylinder	East Coast-IP	10.0GY 5/10	green	2,83	2,62	A2	2	2		1	Phase IV	
GB0443	drawn	minute	0,910526316	standard	translucent-opaque	3	cylinder	K2-IP	7.5BG 6/8	blue-green	1,9	1,73	A2	2	2	1		Phase IV	
GB0444	drawn	small	0,507194245	short	translucent-opaque	3	cylinder	K2-IP	7.5BG 6/6	blue-green	2,78	1,41	A2	2	2		1	Phase IV	broken in half, thin patina over most of bead (except edge that is closer to face; even on break)
GB0445	drawn	small	0,576271186	short	translucent-opaque	3	cylinder	East Coast-IP	10.0G 6/6	green	2,36	1,36	A2	2	2	1		Phase IV	thin patina over face and in middle on side; face is oval; next one was a pink insect tunnel and therefore not on forms
GB0446	drawn	small	0,619672131	short	transparent-translucent	4	oblate	East Coast-IP	5.0Y 8/10	yellow	3,05	1,89	A2	R: -6"/-12"	3		1	Phase IV	broken in half
GB0447	drawn	minute	1,210526316	long	opaque	3	cylinder	East Coast-IP	7.5R 4/6	brownish-red	1,14	1,38	A2	R: -6"/-12"	3		1	Phase IV	small piece broken off larger bead (looks like it might have been a cylinder
GB0448	drawn	small	0,74204947	short	translucent-transparent	3	cylinder	East Coast-IP	2.5Y 7/8	yellow	2,83	2,1	A2	L: -6"/-12"	3		1	Phase IV	broken in half
GB0449	drawn	minute	0,376106195	short	translucent-transparent	3	cylinder	East Coast-IP	10.0GY	green	2,26	0,85	A2	L: -6"/-12"	3	1		Phase IV	not entering E2 beads yet (followed these beads) and therefore not

																				giving E2 numbers yet
GB0450	drawn	small	0,715542522	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	3,41	2,44	A2	3	3	1		Phase IV	thick (light brown) patina over most of bead; part of chipped off on side
GB0451	drawn	small	0,640117994	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	3,39	2,17	A2	3	3	1		Phase IV	thick patina (light brown) over most of bead; part on side chipped; face very oval
GB0452	drawn	small	0,73968254	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	3,15	2,33	A2	3	3	1		Phase IV	thick light brown patina over most of the bead, small patches still black
GB0453	drawn	small	0,659235669	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	3,14	2,07	A2	3	3	1		Phase IV	thick light brown patina, face oval
GB0454	drawn	small	0,603333333	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	3	1,81	A2	3	3	1		Phase IV	thin patina on face, thick spot on side; face: oval
GB0455	drawn	small	0,746268657	short	opaque	2	cylinder	Mapungubwe Oblate	N1	black	2,68	2	A2	3	3	1		Phase IV	thick patina over most of bead; bubbles (pitting?) in face and some through bead and parallel to perforation)
GB0456	drawn	small	0,498154982	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,71	1,35	A2	3	3	1		Phase IV	thick patina over most of bead, parts of edges and in perforation open
GB0457	drawn	minute	0,897540984	standard	opaque	2	cylinder	Mapungubwe Oblate	N1	black	2,44	2,19	A2	3	3	1		Phase IV	thick patina over most of bead, ends of bead broken off diagonally and parallel
GB0458	drawn	small	1,027027027	standard	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,59	2,66	A2	3	3	1		Phase IV	patchy patina over most of bead

GB0459	drawn	small	0,744094488	short	opaque	2	cylinder	Mapungubwe Oblate	N1	black	2,54	1,89	A2	3	3	1		Phase IV	one end is pointed (where diagonal edges meet, other end also diagonal); breaks not perfectly parallel (and one more irregular)
GB0460	drawn	minute	1,063492063	standard	opaque	2	cylinder	Mapungubwe Oblate	N1	black	1,89	2,01	A2	3	3	1		Phase IV	
GB0461	drawn	minute	0,577464789	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,13	1,23	A2	3	3	1		Phase IV	patchy patina over most of bead
GB0462	drawn	minute	0,581395349	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,15	1,25	A2	3	3	1		Phase IV	thick patina over most of bead; face is oval
GB0463	drawn	small	0,583657588	short	opaque	3	cylinder	East Coast-IP	7.5R 4/6	brownish-red	2,57	1,5	A2	3	3	1		Phase IV	
GB0464	drawn	minute	0,535864979	short	opaque	3	cylinder	East Coast-IP	10.0G 6/6	green	2,37	1,27	A2	3	3		1	Phase IV	broken in half; thin patina across most of bead, except edges on break also present
GB0465	drawn	small	0,639240506	short	opaque	3	cylinder	Mapungubwe Oblate	5.0Y 4/4	yellow	3,16	2,02	A2	3	3	1		Phase IV	colour taken in light; on paper as light as 2.5Y 6/8
GB0466	drawn	small	0,558219178	short	translucent-transparent	3	cylinder	East Coast-IP	7.5Y 8/6	yellow	2,92	1,63	A2	3	3	1		Phase IV	thin patina
GB0467	drawn	small	0,716981132	short	translucent-transparent	3	cylinder	East Coast-IP	5.0Y8/8	yellow	2,65	1,9	A2	3	3	1		Phase IV	thin patina
GB0468	drawn	medium	0,947494033	standard	opaque	3	cylinder	Mapungubwe Oblate	N1	black	4,19	3,97	A2	3	3	1		Phase IV	patina around perforations
GB0469	drawn	small	1,019736842	standard	opaque	2	cylinder	Mapungubwe Oblate	N1	black	3,04	3,1	A2	3	3	1		Phase IV	thick patina over most of bead, swirls of black visible around perforation; inclusion (metal?) obstructing one end of perforation
GB0470	drawn	medium	0,616438356	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	3,65	2,25	A2	3	3	1		Phase IV	thick patina across bead
GB0471	drawn	medium	0,576923077	short	opaque	1	cylinder	Mapungubwe Oblate	N1	black	3,38	1,95	A2	3	3	1		Phase IV	patina over most of bead (not on edges)

GB0472	drawn	small	0,799363057	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	3,14	2,51	A2	3	3	1		Phase IV	face: oval, small point extending from one of the further points (but point not included in diameter measurements)
GB0473	drawn	small	0,467105263	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	3,04	1,42	A2	3	3	1		Phase IV	thick patina on faces and thin line on the side, face is oval
GB0474	drawn	small	0,668989547	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,87	1,92	A2	3	3	1		Phase IV	thick patina across bead
GB0475	drawn	small	0,601941748	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	3,09	1,86	A2	3	3	1		Phase IV	bead length is uneven, sketch on form
GB0476	drawn	small	0,438848921	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,78	1,22	A2	3	3	1		Phase IV	patchy patina across bead; faces are tear shaped
GB0477	drawn	small	0,585034014	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,94	1,72	A2	3	3	1		Phase IV	thin patina on faces; notch in side of bead and on side
GB0478	drawn	small	0,669117647	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,72	1,82	A2	3	3	1		Phase IV	thick patina over most of beadwith patches broken off on side (black visible) and edges
GB0479	drawn	small	0,87890625	standard	opaque	1	tube	Mapungubwe Oblate	N1	black	2,56	2,25	A2	3	3	1		Phase IV	patina over most of bead , thin lines of black visible on edges
GB0480	drawn	minute	0,47257384	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,37	1,12	A2	3	3	1		Phase IV	thick patina on one end of bead (some spots on other side)
GB0481	drawn	small	0,850980392	standard	opaque	1	tube	Mapungubwe Oblate	N1	black	2,55	2,17	A2	3	3	1		Phase IV	thin patina across bead (except on edges)
GB0482	drawn	small	0,900793651	standard	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,52	2,27	A2	3	3	1		Phase IV	thick patina over most of bead (except line from edge to side) with thinner patina , bead flattened (from side, face and oval)

GB0483	drawn	minute	1,308370044	long	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,27	2,97	A2	3	3	1		Phase IV	patchy patina over most of bead
GB0484	drawn	minute	0,510460251	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,39	1,22	A2	3	3	1		Phase IV	thick patina over bead, small spot clear and black
GB0485	drawn	small	0,794612795	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,97	2,36	A2	3	3	1		Phase IV	patina on faces and along line on side and present on break
GB0486	drawn	small	0,655629139	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	3,02	1,98	A2	3	3		1	Phase IV	thick patina over most of bead (some dark lines visible on one edge), green visible when water brushed over
GB0487	drawn	minute	0,542857143	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,45	1,33	A2	3	3	1		Phase IV	thin patina across bead (except edges)
GB0488	drawn	minute	0,723404255	short	translucent	3	cylinder	East Coast-IP	10.0G 6/6	green	2,35	1,7	A2	3	3	1		Phase IV	
GB0489	drawn	minute	0,834782609	standard	translucent	3	cylinder	Mapungubwe Oblate	7.5BG 6/8	blue-green	2,3	1,92	A2	3	3	1		Phase IV	
GB0490	drawn				transparent-translucent	3	cylinder	Mapungubwe Oblate	10.0G 6/6	blue-green	2,57	1,05	A2	3	3	1		Phase IV	
GB0491	drawn				transparent-translucent	4	oblate	Mapungubwe Oblate	2.5G 6/4	green	2,38	1,32	A2	3	3	1		Phase IV	
GB0492	drawn	large	1,347328244	long	translucent-opaque	2	cylinder	East Coast-IP	10.0GY 5/8	green	4,62	3,53	A2	3	3	1		Phase IV	thin patina over most of bead
GB0493	drawn	minute	0,924778761	standard	opaque	1	tube	East Coast-IP	7.5R 4/6	brownish-red	2,26	2,09	A2	3	3	1		Phase IV	bubbles on whole surface of bead (pitted?); ends broken off diagonally and parallel
GB0494	drawn	small	0,531496063	short	opaque	3	cylinder	Mapungubwe Oblate	7.5BG 8/4	blue-green	2,54	1,35	C2	L:surface/z	1	1		Phase IV	broken in half (both pieces found); sketch on formstill counted as one, unlike A2 beads, which I will change back. Otherwise just double this info

GB0495	drawn	minute	0,837004405	standard	opaque	3	cylinder	East Coast-IP	10.0G 6/6	green	2,27	1,9	C2	L:surface/z	1		1	Phase IV	changed from oblate (might have been non-uniform); ends broken diagonally (and parallel to one another); sketch on form
GB0496	drawn	small	0,752808989	short	translucent-transparent	2	cylinder	Zimbabwe	5.0Y 8/10	yellow	2,67	2,01	C2	L:surface/z	1		1	Phase IV	
GB0497	drawn	small	0,472	short	translucent	3	cylinder	East Coast-IP	2.5G 6/4	green	2,5	1,18	C2	L:surface/z	1			Phase IV	changed from oblate, neat/uniform bead
GB0498	drawn	minute	0,75	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2	1,5	C2	L:surface/z	1		1	Phase IV	slight patina
GB0499	drawn	minute	0,483606557	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,44	1,18	C2	L:surface/z	1		1	Phase IV	thick patina with some black showing through (also present in break); broken in half
GB0500	drawn	minute	0,801724138	standard	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,32	1,86	C2	L:surface/z	1	1		Phase IV	broken in half
GB0501	drawn	minute	0,933333333	standard	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,1	1,96	C2	L:surface/z	1	1		Phase IV	
GB0502	drawn	small	0,692913386	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,54	1,76	C2	L:z/-6"	2		1	Phase IV	slight patination
GB0503	drawn	minute	0,885	standard	opaque	2	cylinder	Mapungubwe Oblate	N1	black	2	1,77	C2	L:z/-6"	2		1	Phase IV	
GB0504	drawn	medium	0,748051948	short	translucent-opaque	3	cylinder	East Coast-IP	10.0GY 5/10	green	3,85	2,88	C2	M:z/-6"	2		1	Phase IV	sketch on form; could be R4 oblate, but still has flat end/face
GB0505	drawn	minute	0,61637931	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,32	1,43	C2	M:z/-6"	2	1		Phase IV	
GB0506	drawn	minute	1,284153005	long	opaque	3	cylinder	East Coast-IP	7.5R 4/6	brownish-red	1,83	2,35	C2	M:z/-6"	2		1	Phase IV	almost R4- would have made barrel, but Wood (2005:32) describes as beads with flat ends and rounded sides (and not rounded ends and straight sides); sketch on form

GB0507	drawn	small	0,625	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,72	1,7	C2	M:z/-6"	2	1		Phase IV	patina over most of bead, except on edges between side and faces (ends)
GB0508	drawn	small	0,831372549	standard	translucent	4	cylinder	East Coast-IP	10.0GY 6/6	green	2,55	2,12	C2	R:z/-6"	2	1		Phase IV	only almost spherical?; one side slightly diagonal
GB0509	drawn	minute	0,717592593	short	translucent-transparent	3	cylinder	East Coast-IP	5.0G 6/6	green	2,16	1,55	C2	R:z/-6"	2		1	Phase IV	broken in half
GB0510	drawn	minute	1,042056075	standard	opaque	1	tube	East Coast-IP	7.5R 4/6	brownish-red	2,14	2,23	C2	R:z/-6"	2		1	Phase IV	broken in half; ends cut-off diagonally and parallel
GB0511	drawn	small	0,773809524	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,52	1,95	C2	R:z/-6"	2		1	Phase IV	broken in half; changed from oblate
GB0512	mould	large	1,177796327	standard	translucent-transparent	3	cylinder	K2-Garden Roller	5.0B 4/6	blue-green	11,98	14,11	C2	L:-6"/-12"	3		1	Phase III(b), later	garden roller bead; small piece broken off earlier; bead is not barrel shaped-side is not so rounded; was tube, changed to cylinder
GB0513	drawn	minute	0,557603687	short	translucent	3	cylinder	East Coast-IP	10.0GY 6/6	green	2,17	1,21	C2	L:-6"/-12"	3	1		Phase III(b), later	patina over whole bead
GB0514	drawn	small	1,143410853	standard	translucent-transparent	2	irregular	K2-Garden Roller	2.5B 6/4	blue-green	2,58	2,95	C2	L:-6"/-12"	3		1	Phase III(b), later	piece that broke off another bead, no perforation visible
GB0515	drawn	small	1,180272109	standard	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,94	3,47	C2	R: -6"/-12"	3		1	Phase III(b), later	changed from tube; couldn't be barrel without rounded side; broken in half
GB0516	drawn	minute	0,67	short	opaque	4	oblate	Mapungubwe Oblate	N1	black	2,17	1,49	C2	R: -6"/-12"	3		1	Phase III(b), later	patina over most of bead; black vsible when wet; broken in half
GB0517	drawn	small	0,779026217	short	transparent-translucent	3	cylinder	K2-IP	7.5BG 6/3	blue-green	2,67	2,08	C2	R: -6"/-12"	3		1	Phase III(b), later	broken in half; changed from oblate
GB0518	drawn	minute	1,590909091	long	transparent-translucent	3	cylinder	K2-IP	2.5B 6/4	blue-green	1,76	2,8	C2	R: -6"/-12"	3		1	Phase III(b), later	might be transparent

GB0519	drawn	small	0,667870036	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,77	1,85	C2	M: -6"/-12"	3	1		Phase III(b), later	
GB0520	drawn	minute	1,008928571	standard	opaque	1	tube	Mapungubwe Oblate	N1	black	2,24	2,26	C2	M: -6"/-12"	3	1		Phase III(b), later	
GB0521	drawn	large	1,296078431	long	transparent	0	irregular	K2-Garden Roller	5.0B 5/7	blue-green	5,1	6,61	C2	L:-12"/-18"	4		1	Phase III(b), later	probably part of a garden roller that broke off, does not necessarily match garden roller of C2L -6"/-12"; diaphaneity is probably different because its only part of a garden roller; sketch on form
GB0522	drawn	small	0,727272727	short	opaque	3	cylinder	East Coast-IP	7.5R 4/6	brownish-red	2,42	1,76	C2	R:-12"/-18"	4		1	Phase III(b), later	
GB0523	drawn	medium	0,908235294	standard	translucent	3	cylinder	East Coast-IP	10.0GY 6/6	green	4,25	3,86	C2	M:-12"/-18"	4		1	Phase III(b), later	
GB0524	drawn	small	1,083333333	standard	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,52	2,73	C2	M:-12"/-18"	4		1	Phase III(b), later	changed from barrel (described as very slightly barrel shaped); broken in half; patina over most of bead except edges
GB0525	drawn	minute	1,082524272	standard	opaque	2	tube	Mapungubwe Oblate	N1	black	2,06	2,23	C2	M:-12"/-18"	4	1		Phase III(b), later	thick patina over bead
GB0526	drawn	minute	0,66122449	short	opaque	3	cylinder	East Coast-IP	7.5R 3/8	brownish-red	2,45	1,62	C2	M:-12"/-18"	4	1		Phase III(b), later	sketch on form
GB0527	drawn	minute	0,62	short	opaque	3	cylinder	East Coast-IP	7.5R 3/8	brownish-red	2,43	1,51	C2	M:-12"/-18"	4		1	Phase III(b), later	broken in half; patina on ends of bead and thin line around side
GB0748	drawn	minute	1,649006623	long	transparent	1	tube	K2-IP	2.5B 6/7	blue-green	1,51	2,49	F4	7(ii)	7, upper	1		Phase III(b), earlier	Broken in 1/2 , both pieces present

GB0749	drawn	minute	0,991803279	standard	transparent-translucent	0	tube	K2-IP	7.5BG 6/7	blue-green	2,44	2,42	F4	7(ii)	7, upper	1		Phase III(b), earlier	
GB0750	drawn	small	1,436781609	long	transparent-translucent	1	tube	K2-IP	7.5BG 6/6	blue-green	1,74	2,5	F4	7(ii)	7, upper	1		Phase III(b), earlier	Both ends broken of diagonally and parallel to one another
GB0751	drawn	minute	0,795555556	short	transparent-translucent	0	tube	K2-IP	7.5BG 6/6	blue-green	2,25	1,79	F4	7(ii)	7, upper	1		Phase III(b), earlier	Actually might be very slightky reheated- but that's not how Wood analysed before
GB0752	drawn	minute	2,275229358	very long	transparent	0	tube	K2-IP	7.5BG 6/8	blue-green	2,18	4,96	F4	7(ii)	7, upper	1		Phase III(b), earlier	Roundness factor could change to R1
GB0753	drawn	small	0,68401487	short	transparent	1	tube	K2-IP	7.5BG 6/6	blue-green	2,69	1,84	F4	7(ii)	7, upper	1		Phase III(b), earlier	
GB0754	drawn	medium	1,268792711	long	transparent	2	ellipsiod	?	colourless	colourless	4,39	5,57	F4	7(ii)	7, upper	1		Phase III(b), earlier	one end is slighly rounded , other is sharp as if broken(across perforation)
GB0755	drawn	small	0,772058824	short	opaque	2	cylinder	Mapungubwe Oblate	N1	black	2,72	2,1	F4	7(ii)	7, upper	1		Phase III(b), earlier	
GB0756	drawn	small	0,989864865	standard	opaque	2	tube	East Coast-IP	7.5R 4/6	brownish-red	2,96	2,93	F4	7(ii)	7, upper	1		Phase III(b), earlier	
GB0757	drawn	small	0,684563758	short	opaque	2	cylinder	East Coast-IP	7.5R 4/6	brownish-red	2,98	2,04	F4	7(ii)	7, upper	1		Phase III(b), earlier	
GB0758	drawn	minute	1,0995671	standard	opaque	2	tube	East Coast-IP	7.5R 4/6	brownish-red	2,31	2,54	F4	7(ii)	7, upper	1		Phase III(b), earlier	
GB0759	drawn	minute	0,578313253	short	opaque	0	tube	East Coast-IP	7.5R 4/6	brownish-red	2,49	1,44	F4	7(ii)	7, upper	1		Phase III(b), earlier	Shape could change to R1 again
GB0760	drawn	small	0,492647059	short	opaque	0	tube	East Coast-IP	7.5R 4/6	brownish-red	2,72	1,34	F4	7(ii)	7, upper	1		Phase III(b), earlier	
GB0761	drawn	small	0,74609375	short	opaque	3	cylinder	East Coast-IP	7.5R 4/6	brownish-red	2,56	1,91	F4	7(ii)	7, upper	1		Phase III(b), earlier	close to oblate , still closer to cylinder
GB0779	drawn	small	0,446096654	short	opaque	2	tube	East Coast-IP	7.5R 4/6	brownish-red	2,69	1,2	F4	10		1		Phase II	

GB0780	drawn	minute	1,013392857	standard	opaque	2	tube	East Coast-IP	7.5R 4/6	brownish-red	2,24	2,27	F4	10		1		Phase II	
GB0781	drawn	minute	1,120689655	standard	transparent-translucent	2	tube	K2-IP	2.5B 6/7	blue-green	2,32	2,6	F4	10		1		Phase II	
GB0782	drawn	small	0,816326531	standard	opaque	2	tube	East Coast-IP	7.5R 4/6	brownish-red	2,94	2,4	F4	10(x)		1		Phase II	
GB0783	drawn	small	0,988505747	standard	opaque	2	tube	East Coast-IP	2.5R 2/6	brownish-red	2,61	2,58	F4	10(x)		1		Phase II	
GB0784	drawn	small	0,678571429	short	opaque	2	tube	East Coast-IP	7.5R 4/6	brownish-red	2,8	1,9	F4	10(x)		1		Phase II	
GB0785	drawn	small	1,055776892	standard	opaque	2	tube	East Coast-IP	7.5R 4/6	brownish-red	2,51	2,65	F4	10(x)		1		Phase II	
GB0786	drawn	small	1,031372549	standard	opaque	2	tube	East Coast-IP	2.5R 2/6	brownish-red	2,55	2,63	F4	10(x)		1		Phase II	
GB0787	drawn	minute	1,416289593	long	opaque	1	tube	East Coast-IP	2.5R 2/6	brownish-red	2,21	3,13	F4	10(x)		1		Phase II	
GB0788	drawn	minute	1,305263158	long	opaque	1	tube	East Coast-IP	2.5R 2/6	brownish-red	1,9	2,48	F4	10(x)		1		Phase II	
GB0789	drawn	small	0,810035842	standard	opaque	2	tube	East Coast-IP	7.5R 4/6	brownish-red	2,79	2,26	F4	10(x)		1		Phase II	
GB0790	drawn	small	0,817829457	standard	opaque	2	tube	East Coast-IP	7.5R 4/6	brownish-red	2,58	2,11	F4	10(x)		1		Phase II	
GB0791	drawn	minute	0,550200803	short	opaque	2	tube	East Coast-IP	7.5R 4/6	brownish-red	2,49	1,37	F4	10(x)		1		Phase II	
GB0792	drawn	minute	0,918454936	standard	opaque	2	tube	East Coast-IP	7.5R 4/6	brownish-red	2,33	2,14	F4	10(x)		1		Phase II	
GB0793	drawn	minute	1,034632035	standard	opaque	2	tube	East Coast-IP	7.5R 4/6	brownish-red	2,31	2,39	F4	10(x)		1		Phase II	
GB0794	drawn	small	0,923371648	standard	opaque	2	tube	East Coast-IP	7.5R 4/6	brownish-red	2,61	2,41	F4	10(x)		1		Phase II	
GB0795	drawn	minute	1,685446009	long	opaque	2	cylinder	East Coast-IP	7.5R 4/6	brownish-red	2,13	3,59	F4	10(x)		1		Phase II	
GB0796	drawn	small	0,636363636	short	opaque	2	cylinder	East Coast-IP	7.5R 4/6	brownish-red	2,75	1,75	F4	10(x)		1		Phase II	
GB0797	drawn	minute	1,091286307	standard	opaque	3	cylinder	East Coast-IP	7.5R 4/6	brownish-red	2,41	2,63	F4	10(x)		1		Phase II	
GB0798	drawn	minute	0,826612903	standard	opaque	2	cylinder	East Coast-IP	7.5R 4/6	brownish-red	2,48	2,05	F4	10(x)		1		Phase II	
GB0799	drawn	minute	1,294117647	long	opaque	2	cylinder	East Coast-IP	7.5R 4/6	brownish-red	2,38	3,08	F4	10(x)		1		Phase II	
GB0800	drawn	minute	1,184834123	standard	opaque	2	tube	East Coast-IP	7.5R 4/6	brownish-red	2,11	2,5	F4	10(x)		1		Phase II	
GB0801	drawn	minute	1,277486911	long	opaque	2	tube	East Coast-IP	7.5R 4/6	brownish-red	1,91	2,44	F4	10(x)		1		Phase II	

GB0802	drawn	minute	0,676470588	short	opaque	1	tube	East Coast-IP	7.5R 4/6	brownish-red	2,38	1,61	F4	10(x)		1		Phase II	
GB0803	drawn	small	0,888	standard	opaque	2	tube	East Coast-IP	10.0R 3/2	brownish-red	2,5	2,22	F4	10(x)		1		Phase II	
GB0804	drawn	minute	0,880658436	standard	opaque	2	tube	East Coast-IP	7.5R 3/8	brownish-red	2,43	2,14	F4	10(x)		1		Phase II	
GB0805	drawn	minute	0,962655602	standard	opaque	1	tube	East Coast-IP	2.5R 2/6	brownish-red	2,41	2,32	F4	10(x)		1		Phase II	
GB0806	drawn	small	0,593155894	short	opaque	2	tube	East Coast-IP	2.5R 2/6	brownish-red	2,63	1,56	F4	10(x)		1		Phase II	
GB0807	drawn	small	0,6484375	short	opaque	2	cylinder	East Coast-IP	2.5R 2/6	brownish-red	2,56	1,66	F4	10(x)		1		Phase II	
GB0808	drawn	small	0,821705426	standard	opaque	1	tube	East Coast-IP	2.5R 2/6	brownish-red	2,58	2,12	F4	10(x)		1		Phase II	
GB0809	drawn	small	0,461832061	short	opaque	1	tube	East Coast-IP	7.5R 4/6	brownish-red	2,62	1,21	F4	10(x)		1		Phase II	
GB0810	drawn	minute	0,961373391	standard	opaque	1	tube	East Coast-IP	7.5R 4/6	brownish-red	2,33	2,24	F4	10(x)		1		Phase II	
GB0811	drawn	minute	0,931451613	standard	opaque	1	tube	East Coast-IP	7.5R 4/6	brownish-red	2,48	2,31	F4	10(x)		1		Phase II	
GB0812	drawn	small	0,582706767	short	opaque	3	cylinder	East Coast-IP	7.5R 4/6	brownish-red	2,66	1,55	F4	10(x)		1		Phase II	
GB0813	drawn	minute	0,889830508	standard	opaque	2	tube	East Coast-IP	7.5R 4/6	brownish-red	2,36	2,1	F4	10(x)		1		Phase II	
GB0814	drawn	minute	0,643776824	short	opaque	1	tube	East Coast-IP	10.0R 3/2	brownish-red	2,33	1,5	F4	10(x)		1		Phase II	
GB0815	drawn	minute	1,036585366	standard	opaque	2	tube	East Coast-IP	10.0R 3/2	brownish-red	2,46	2,55	F4	10(x)		1		Phase II	
GB0816	drawn	small	0,822393822	standard	opaque	2	tube	East Coast-IP	10.0R 3/2	brownish-red	2,59	2,13	F4	10(x)		1		Phase II	
GB0817	drawn	small	0,727626459	short	opaque	2	tube	East Coast-IP	7.5R 4/6	brownish-red	2,57	1,87	F4	10(x)		1		Phase II	
GB0818	drawn	minute	0,686746988	short	opaque	2	tube	East Coast-IP	7.5R 4/6	brownish-red	2,49	1,71	F4	10(x)		1		Phase II	
GB0819	drawn	small	0,683397683	short	opaque	2	tube	East Coast-IP	7.5R 4/6	brownish-red	2,59	1,77	F4	10(x)		1		Phase II	
GB0820	drawn	minute	0,970464135	standard	opaque	2	tube	East Coast-IP	7.5R 4/6	brownish-red	2,37	2,3	F4	10(x)		1		Phase II	
GB0821	drawn	minute	1,28440367	long	opaque	2	tube	East Coast-IP	7.5R 4/6	brownish-red	2,18	2,8	F4	10(x)		1		Phase II	
GB0822	drawn	minute	1,406091371	long	opaque	1	tube	East Coast-IP	7.5R 4/6	brownish-red	1,97	2,77	F4	10(x)		1		Phase II	
GB0823	drawn	minute	1,71563981	long	opaque	1	tube	East Coast-IP	7.5R 4/6	brownish-red	2,11	3,62	F4	10(x)		1		Phase II	

GB0824	drawn	minute	0,920168067	standard	opaque	1	tube	East Coast-IP	2.5R 2/6	brownish-red	2,38	2,19	F4	10(x)		1		Phase II	
GB0825	drawn	minute	1,260638298	long	opaque	1	tube	East Coast-IP	2.5R 2/6	brownish-red	1,88	2,37	F4	10(x)		1		Phase II	
GB0826	drawn	minute	0,732718894	short	opaque	2	tube	East Coast-IP	7.5R 4/6	brownish-red	2,17	1,59	F4	10(x)		1		Phase II	
GB0827	drawn	minute	0,957805907	standard	opaque	2	tube	East Coast-IP	7.5R 4/6	brownish-red	2,37	2,27	F4	10(x)		1		Phase II	
GB0828	drawn	small	0,632	short	opaque	2	tube	East Coast-IP	7.5R 4/6	brownish-red	2,5	1,58	F4	10(x)		1		Phase II	
GB0829	drawn	minute	1,030567686	standard	opaque	1	tube	East Coast-IP	7.5R 4/6	brownish-red	2,29	2,36	F4	10(x)		1		Phase II	
GB0830	drawn	minute	1,261682243	long	opaque	1	tube	East Coast-IP	7.5R 4/6	brownish-red	2,14	2,7	F4	10(x)		1		Phase II	
GB0831	drawn	minute	0,885245902	standard	opaque	2	tube	East Coast-IP	7.5R 4/6	brownish-red	2,44	2,16	F4	10(x)		1		Phase II	
GB0832	drawn	minute	0,843478261	standard	opaque	1	tube	East Coast-IP	7.5R 4/6	brownish-red	2,3	1,94	F4	10(x)		1		Phase II	
GB0833	drawn	minute	0,994845361	standard	opaque	1	tube	East Coast-IP	7.5R 4/6	brownish-red	1,94	1,93	F4	10(x)		1		Phase II	
GB0834	drawn	minute	1,497674419	long	opaque	1	tube	East Coast-IP	2.5R 2/6	brownish-red	2,15	3,22	F4	10(x)		1		Phase II	
GB0835	drawn	minute	1,474489796	long	opaque	1	tube	East Coast-IP	2.5R 2/6	brownish-red	1,96	2,89	F4	10(x)		1		Phase II	
GB0836	drawn	minute	0,899563319	standard	opaque	1	tube	East Coast-IP	7.5R 4/6	brownish-red	2,29	2,06	F4	10(x)		1		Phase II	
GB0837	drawn	minute	0,960352423	standard	opaque	1	tube	East Coast-IP	7.5R 4/6	brownish-red	2,27	2,18	F4	10(x)		1		Phase II	
GB0838	drawn	minute	1,218604651	long	opaque	1	tube	East Coast-IP	7.5R 4/6	brownish-red	2,15	2,62	F4	10(x)		1		Phase II	
GB0839	drawn	minute	0,61965812	short	opaque	1	tube	East Coast-IP	7.5R 4/6	brownish-red	2,34	1,45	F4	10(x)		1		Phase II	
GB0840	drawn	minute	0,980582524	standard	opaque	2	tube	East Coast-IP	7.5R 4/6	brownish-red	2,06	2,02	F4	10(x)		1		Phase II	
GB0841	drawn	minute	0,65106383	short	opaque	1	tube	East Coast-IP	7.5R 4/6	brownish-red	2,35	1,53	F4	10(x)		1		Phase II	
GB0842	drawn	minute	0,633484163	short	opaque	2	tube	East Coast-IP	7.5R 4/6	brownish-red	2,21	1,4	F4	10(x)		1		Phase II	
GB0843	drawn	minute	0,728110599	short	opaque	1	tube	East Coast-IP	7.5R 4/6	brownish-red	2,17	1,58	F4	10(x)		1		Phase II	
GB0844	drawn	minute	1,163934426	standard	opaque	1	tube	East Coast-IP	7.5R 4/6	brownish-red	1,83	2,13	F4	10(x)		1		Phase II	
GB0845	drawn	minute	0,837104072	standard	opaque	1	tube	East Coast-IP	2.5R 2/6	brownish-red	2,21	1,85	F4	10(x)		1		Phase II	

GB0846	drawn	minute	0,720338983	short	opaque	1	tube	East Coast-IP	2.5R 2/6	brownish-red	2,36	1,7	F4	10(x)		1		Phase II	
GB0847	drawn	minute	0,940425532	standard	opaque	2	tube	East Coast-IP	7.5R 4/6	brownish-red	2,35	2,21	F4	10(x)		1		Phase II	
GB0848	drawn	minute	0,977578475	standard	opaque	1	tube	East Coast-IP	7.5R 4/6	brownish-red	2,23	2,18	F4	10(x)		1		Phase II	
GB0849	drawn	minute	0,746666667	short	opaque	1	tube	East Coast-IP	7.5R 4/6	brownish-red	2,25	1,68	F4	10(x)		1		Phase II	
GB0850	drawn	minute	0,641921397	short	opaque	3	cylinder	East Coast-IP	7.5R 4/6	brownish-red	2,29	1,47	F4	10(x)		1		Phase II	
GB0851	drawn	minute	0,754716981	short	opaque	2	tube	East Coast-IP	7.5R 4/6	brownish-red	2,12	1,6	F4	10(x)		1		Phase II	
GB0852	drawn	minute	0,878172589	standard	opaque	1	tube	East Coast-IP	7.5R 4/6	brownish-red	1,97	1,73	F4	10(x)		1		Phase II	
GB0853	drawn	minute	0,77184466	short	opaque	2	tube	East Coast-IP	7.5R 4/6	brownish-red	2,06	1,59	F4	10(x)		1		Phase II	
GB0854	drawn	minute	0,783410138	short	opaque	2	tube	East Coast-IP	2.5R 2/6	brownish-red	2,17	1,7	F4	10(x)		1		Phase II	
GB0855	drawn	minute	0,751173709	short	opaque	1	tube	East Coast-IP	2.5R 2/6	brownish-red	2,13	1,6	F4	10(x)		1		Phase II	
GB0856	drawn	small	0,969465649	standard	opaque	2	tube	East Coast-IP	7.5R 4/6	brownish-red	2,62	2,54	F4	11		1		Phase II	
GB0953	drawn		0,449799197		opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,49	1,12	K8	9		1		Phase III(a), later	
GB0954	drawn		0,92760181		translucent-transparent	1	tube	K2-IP	5.0BG 6/3	blue-green	2,21	2,05	K8	9		1		Phase III(a), later	
GB0955	drawn		0,93697479		opaque	1	tube	East Coast-IP	5.0R 3/6	brownish-red	2,38	2,23	K8	9		1		Phase III(a), later	
GB0956	drawn		1,106666667		opaque	2	tube	East Coast-IP	7.5R 4/6	brownish-red	2,25	2,49	K8	9			1	Phase III(a), later	
GB0957	drawn		0,922279793		opaque	2	tube	East Coast-IP	7.5R 4/6	brownish-red	1,93	1,78	K8	9			1	Phase III(a), later	
GB0958	drawn		1,885714286		opaque	?	?	East Coast-IP	7.5R 4/6	brownish-red	1,05	1,98	K8	9			1	Phase III(a), later	
GB0959	drawn		0,790492958		transparent-translucent	4	oblate	Mapungubwe Oblate	7.5BG 6/6	blue-green	5,68	4,49	K8	9			1	Phase III(a), later	

GB0960	drawn		0,558704453		transparent-translucent	2	tube	K2-IP	2.5B 6/7	blue-green	2,47	1,38	K8	9			1	Phase III(a), later	
GB0961	drawn	medium	0,617801047	short	opaque	4	cylinder	Mapungubwe Oblate	N1	black	3,82	2,36	H9	1	1			Phase IV	close to cylinder, thick patina across bead; sketch of face on form
GB0962	drawn	small	0,566552901	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,93	1,66	H9	1	1			Phase IV	thin patches of patina; iridescent and greenish when wet; perforation not in the middle; sketch on form
GB0963	drawn	medium	0,543175487	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	3,59	1,95	H9	1	1			Phase IV	thin patina over most of bead
GB0964	drawn	small	0,501557632	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	3,21	1,61	H9	1	1			Phase IV	thin patina over most of bead
GB0965	drawn	minute	1,790055249	long	opaque	3	cylinder	Mapungubwe Oblate	N1	black	1,81	3,24	H9	1	1			Phase IV	thin patina over most of bead
GB0966	drawn	small	0,970037453	standard	opaque	2	cylinder	Mapungubwe Oblate	N1	black	2,67	2,59	H9	1	1			Phase IV	sides broken off diagonally and parallel (to an extent)
GB0967	drawn	small	0,631756757	short	opaque	3	oblate	Mapungubwe Oblate	N1	black	2,96	1,87	H9	1	1			Phase IV	thin patina across bead
GB0968	drawn	minute	1,277777778	long	opaque	1	tube	Mapungubwe Oblate	N1	black	2,34	2,99	H9	1	1			Phase IV	face: oval; thick patina over most of bead; part over side and on faces and edge chipped off
GB0969	drawn	small	0,565068493	short	opaque	2	cylinder	Mapungubwe Oblate	N1	black	2,92	1,65	H9	1	1			Phase IV	very thin patina across bead
GB0970	drawn	small	0,635179153	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	3,07	1,95	H9	1	1			Phase IV	very thin patina in patches over bead
GB0971	drawn	small	0,621052632	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,85	1,77	H9	1	1			Phase IV	very thick patina, part of edge scratched off; large part of bead devitrified
GB0972	drawn	small	0,735714286	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,8	2,06	H9	1	1			Phase IV	patchy patina on faces and side; face slightly oval (more visible in perforation)
GB0973	drawn	small	0,716845878	short	opaque	2	cylinder	Mapungubwe Oblate	N1	black	2,79	2	H9	1	1			Phase IV	thick patina across bead

GB0974	drawn	small	0,664285714	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,8	1,86	H9	1	1			Phase IV	thin patina on faces and along line on side face oval
GB0975	drawn	small	0,552188552	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,97	1,64	H9	1	1			Phase IV	patina over most of bead
GB0976	drawn	small	0,683018868	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,65	1,81	H9	1	1			Phase IV	thin patina on faces and along side of bead
GB0977	drawn	small	0,613636364	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,64	1,62	H9	1	1			Phase IV	thin patina across bead
GB0978	drawn	small	0,436363636	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,75	1,2	H9	1	1			Phase IV	
GB0979	drawn	small	0,838345865	standard	opaque	1	tube	Mapungubwe Oblate	N1	black	2,66	2,23	H9	1	1			Phase IV	ends broken off concavely and diagonally and not parallel
GB0980	drawn	minute	1,063559322	standard	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,36	2,51	H9	1	1			Phase IV	thin patina over most of bead
GB0981	drawn	small	0,569852941	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,72	1,55	H9	1	1			Phase IV	face oval, thin patina on side
GB0982	drawn	small	0,5625	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,56	1,44	H9	1	1			Phase IV	thin patina on one face of bead; perforation not in the middle
GB0983	drawn	small	0,432432432	short	opaque	0	tube	Mapungubwe Oblate	N1	black	2,59	1,12	H9	1	1			Phase IV	would have been cylinder if looked at side; patina over most of faces and sides and edges; indentation onj one face, from perforation to side
GB0984	drawn	small	0,638461538	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,6	1,66	H9	1	1			Phase IV	thin patina over most of bead
GB0985	drawn	small	0,513833992	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,53	1,3	H9	1	1			Phase IV	thick patina over most of bead, patches flaked off, face somewhat oval and somewhat triangular
GB0986	drawn	small	0,646825397	short	opaque	0	tube	Mapungubwe Oblate	N1	black	2,52	1,63	H9	1	1			Phase IV	thin patina over most of bead

GB0987	drawn	small	0,856	standard	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,5	2,14	H9	1	1			Phase IV	ends broken off concavely and diagonally and not parallel; thin patina ver half of bead (as if divided from cleaner side by perforation)
GB0988	drawn	small	0,545454545	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,53	1,38	H9	1	1			Phase IV	thin patina in patches over bead; perforation not in middle
GB0989	drawn	minute	0,991416309	standard	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,33	2,31	H9	1	1			Phase IV	patches and flecks of patina across bead
GB0990	drawn	minute	0,52016129	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,48	1,29	H9	1	1			Phase IV	thin patina over most of bead; perforation closer to one side
GB0991	drawn	minute	0,673728814	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,36	1,59	H9	1	1			Phase IV	thin patina over most of bead; ends broken off diagonall and parallel
GB0992	drawn	minute	0,859437751	standard	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,49	2,14	H9	1	1			Phase IV	thin patina with patches of thick patina across bead (thicker on ends)
GB0993	drawn	minute	0,61637931	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,32	1,43	H9	1	1			Phase IV	thick patina in patches across bead; edges clearer
GB0994	drawn	minute	0,65258216	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,13	1,39	H9	1	1			Phase IV	
GB0995	drawn	small	0,623794212	short	opaque	3	cylinder	East Coast-IP	2.5R 3/4	brownish-red	3,11	1,94	H9	1	1			Phase IV	thin patina over most of bead; ends broken off diagonally and parallel; one face more oval
GB0996	drawn	small	0,819188192	standard	opaque	3	cylinder	East Coast-IP	5.0R 4/8	brownish-red	2,71	2,22	H9	1	1			Phase IV	face oval; bubbles in side and face dips in near one edge
GB0997	drawn	small	0,386627907	short	opaque	3	cylinder	East Coast-IP	7.5R 4/6	brownish-red	3,44	1,33	H9	1	1			Phase IV	face oval; very thin patina on one face; large perforation
GB0998	drawn	minute	1,311320755	long	opaque	1	tube	East Coast-IP	7.5R 4/6	brownish-red	2,12	2,78	H9	1	1			Phase IV	very thin patin

GB0960	drawn	small	1,041666667	standard	opaque	3	cylinder	East Coast-IP	7.5R 4/6	brownish-red	2,64	2,75	H9	1	1			Phase IV	ends cut off diagonally and not parallel; one part drawn away from cut edges; thin patina across bead
GB0961	drawn	small	0,880478088	standard	opaque	1	tube	East Coast-IP	7.5R 4/6	brownish-red	2,51	2,21	H9	1	1			Phase IV	thin patina across bead; edges broken off diagonally
GB0962	drawn	large	0,236315087	short	opaque	1	tube	East Coast-IP	7.5R 4/6	brownish-red	7,49	1,77	H9	1	1			Phase IV	thin patina across bead; bubbles in side
GB0963	drawn	minute	0,584541063	short	opaque	3	cylinder	East Coast-IP	7.5R 2/8	brownish-red	2,07	1,21	H9	1	1			Phase IV	thin patina across bead; perforation not in middle
GB0964	drawn	minute	0,510373444	short	transparent	3	cylinder	Mapungubwe Oblate	10.0B 4/8	blue	2,41	1,23	H9	1	1			Phase IV	patina, thin enough to be hardly worth mentioning
GB0965	drawn	minute	0,556053812	short	transparent	3	cylinder	East Coast-IP	10.0GY 6/6	green	2,23	1,24	H9	1	1			Phase IV	
GB0966	drawn	minute	0,915254237	standard	transparent	0	tube	K2-IP	7.5BG 6/3	blue-green	2,36	2,16	H9	1	1			Phase IV	ends off diagonally, but not parallel; thin patina across bead and bead surface slightly more irregular/rough
GB0967	drawn	small	0,766423358	short	transparent-translucent	3	cylinder	K2-IP	7.5BG 6/8	blue-green	2,74	2,1	H9	1	1			Phase IV	bubbles make bead less diaphenous
GB0968	drawn	minute	0,594871795	short	translucent	2	cylinder	East Coast-IP	10.0G 6/6	green	1,95	1,16	H9	1	1			Phase IV	perforation closer to one side
GB0969	drawn	minute	0,530232558	short	translucent	3	cylinder	East Coast-IP	10.0G 6/6	green	2,15	1,14	H9	1	1			Phase IV	perforation closer to one side; sketch on form (one part of side thinner)
GB0970	drawn	small	0,47766323	short	translucent	3	cylinder	East Coast-IP	7.5G 5/6	green	2,91	1,39	H9	1	1			Phase IV	thin patina over bead; bubbles in surface; sketch on form
GB0971	drawn	small	0,619377163	short	translucent	3	cylinder	East Coast-IP	10.0G 6/6	green	2,89	1,79	H9	1	1			Phase IV	perforation very small and closer to one side
GB0972	drawn	minute	0,784552846	short	translucent	3	cylinder	East Coast-IP	2.5G 6/4	green	2,46	1,93	H9	1	1			Phase IV	thin patina across bead
GB0973	drawn	minute	0,84057971	standard	translucent-opaque	3	cylinder	East Coast-IP	5.0G 6/6	green	2,07	1,74	H9	1	1			Phase IV	thin patina across bead

GB0974	drawn	minute	1,110047847	standard	opaque	2	cylinder	Mapungubwe Oblate	N1	black	2,09	2,32	H9	1	1			Phase IV	thick patina with open patches
GB0975	drawn	small	0,578358209	short	translucent	3	cylinder	Mapungubwe Oblate	5.0Y 8/12	yellow	2,68	1,55	H9	1	1			Phase IV	part of one edge pulled to a small point; other end cut off diagonally and mostly parallel
GB0976	drawn	medium	0,673076923	short	translucent-opaque	3	cylinder	Mapungubwe Oblate	7.5Y 8/6	yellow	3,64	2,45	H9	1	1			Phase IV	face: oval
GB0977	drawn	small	0,875471698	standard	transparent	1	cylinder	Mapungubwe Oblate	7.5PB 2/7	blue	2,65	2,32	H9	1	1			Phase IV	very close to R2 cylinder; colour taken when help up in light; 7.5PB 2/5 on paper
GB0978	drawn	minute	0,704225352	short	transparent	2	cylinder	Mapungubwe Oblate	6.25 PB 3/12	blue	2,13	1,5	H9	1	1			Phase IV	colour taken in light, 7.5 PB 2/10 on paper
GB0979	drawn	small	0,867741935	standard	opaque	3	cylinder	East Coast-IP	5.0R 4/8	brownish-red	3,1	2,69	H9	1	1			Phase IV	thin patina on faces and around side (not edges) small bubbles on surface; indentation (present in a straight line in bead's side, parallel to perforation)
GB0980	drawn	small	0,771812081	short	opaque	1	tube	East Coast-IP	5.0R 4/8	brownish-red	2,98	2,3	H9	1	1			Phase IV	thick patina patches across bead; thin patina in patches
GB0981	drawn	medium	0,687150838	short	opaque	2	cylinder	Mapungubwe Oblate	N1	black	3,58	2,46	H9	2	2			Phase IV	patina across bead; C/1495
GB0982	drawn	small	0,671974522	short	opaque	2	cylinder	Mapungubwe Oblate	N1	black	3,14	2,11	H9	2	2			Phase IV	face very oval; perforation very small; thin patina over most of bead
GB0983	drawn	small	0,772727273	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,86	2,21	H9	2	2			Phase IV	thin patina over most of bead
GB0984	drawn	small	0,535384615	short	opaque	2	cylinder	Mapungubwe Oblate	N1	black	3,25	1,74	H9	2	2			Phase IV	thin patina over most of bead
GB0985	drawn	small	0,49704142	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	3,38	1,68	H9	2	2			Phase IV	very thin patina over most of bead
GB0986	drawn	small	0,396341463	short	opaque	4	oblate	Mapungubwe Oblate	N1	black	3,28	1,3	H9	2	2			Phase IV	could be cylinder; thin patina

GB0987	drawn	small	0,505190311	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,89	1,46	H9	2	2			Phase IV	thin patina across bead, perforation not in centre
GB0988	drawn	small	0,52	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	3	1,56	H9	2	2			Phase IV	
GB0989	drawn	small	1,067460317	standard	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,52	2,69	H9	2	2			Phase IV	ends broken off diagonally and parallel, thin patina across bead
GB0990	drawn	small	0,52173913	short	opaque	1	tube	Mapungubwe Oblate	N1	black	2,99	1,56	H9	2	2			Phase IV	patina over most of bead (especially edges)
GB0991	drawn	small	0,820689655	standard	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,9	2,38	H9	2	2			Phase IV	thin patina across bead; thick on one edge
GB0992	drawn	small	0,638225256	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,93	1,87	H9	2	2			Phase IV	patina over most of bead (less on edge and part of side)
GB0993	drawn	small	0,5	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,7	1,35	H9	2	2			Phase IV	thin patina over most of bead
GB0994	drawn	small	0,498181818	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,75	1,37	H9	2	2			Phase IV	thin patina over most of bead
GB0995	drawn	small	0,598006645	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	3,01	1,8	H9	2	2			Phase IV	thick patina over most of bead
GB0996	drawn	small	0,906367041	standard	opaque	2	cylinder	Mapungubwe Oblate	N1	black	2,67	2,42	H9	2	2			Phase IV	thin patina over most of bead
GB0997	drawn	small	0,893129771	standard	opaque	2	cylinder	Mapungubwe Oblate	N1	black	2,62	2,34	H9	2	2			Phase IV	thick patina on side and faces (not edges) of bead
GB0998	drawn	small	0,6484375	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,56	1,66	H9	2	2			Phase IV	thin patina across bead
GB0960	drawn	small	0,434262948	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,51	1,09	H9	2	2			Phase IV	patina over most of bead, patches open
GB0961	drawn	minute	0,790983607	short	opaque	2	cylinder	Mapungubwe Oblate	N1	black	2,44	1,93	H9	2	2			Phase IV	thin patina over most of bead
GB0962	drawn	small	0,792828685	short	opaque	1	tube	Mapungubwe Oblate	N1	black	2,51	1,99	H9	2	2			Phase IV	thin patina over most of bead
GB0963	drawn	minute	0,64978903	short	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,37	1,54	H9	2	2			Phase IV	patchy patina over most of bead
GB0964	drawn	small	0,506993007	short	transparent-translucent	3	cylinder	Mapungubwe Oblate	N1	black	2,86	1,45	H9	2	2			Phase IV	thin patina over most of bead

GB0965	drawn	small	0,574626866	short	transparent-translucent	3	cylinder	Mapungubwe Oblate	N1	black	2,68	1,54	H9	2	2			Phase IV	very thin patina over most of bead
GB0966	drawn	small	0,684385382	short	translucent	3	cylinder	East Coast-IP	2.5G 5/10	green	3,01	2,06	H9	2	2			Phase IV	very thin patina over most of bead; could b zimbabwe emerald colourcould be emerald-like colour unlessdigital munsell is too off
GB0967	drawn	small	0,977941176	standard	translucent-opaque	3	cylinder	East Coast-IP	7.5GY 5/4	green	2,72	2,66	H9	2	2			Phase IV	broken into two thirds parallel to perforation (lengthwise); thin patina over most of beadwould lke to change to Mapungubwe
GB0968	drawn	small	0,601744186	short	translucent-opaque	3	cylinder	East Coast-IP	7.5GY 5/4	green	3,44	2,07	H9	2	2			Phase IV	very thin patina over beadwould lke to change to Mapungubwe
GB0969	drawn	medium	0,823671498	standard	opaque-translucent	3	cylinder	Mapungubwe Oblate	7.5BG 6/6	blue-green	4,14	3,41	H9	2	2			Phase IV	broken in half (parallel to perforation); glass striated lengthwise (when seen under microscope)
GB0970	drawn	minute	0,597222222	short	transparent-translucent	3	cylinder	Mapungubwe Oblate	5.0PB 3/6	blue	2,16	1,29	H9	2	2			Phase IV	patina over most of bead
GB0971	drawn	minute	1,168831169	standard	opaque	2	tube	East Coast-IP	5.0R 4/8	brownish-red	2,31	2,7	H9	2	2			Phase IV	ends broken off diagonally and parallel, bubbles in side
GB0972	drawn	small	0,663265306	short	opaque	3	cylinder	East Coast-IP	5.0R 4/10	brownish-red	2,94	1,95	H9	2	2			Phase IV	thin patina over most of bead
GB0973	drawn	small	0,992424242	standard	opaque	3	cylinder	East Coast-IP	7.5R 4/6	brownish-red	2,64	2,62	H9	2	2			Phase IV	one end broken diagonally, bubble (void?) in one edge
GB0974	drawn	minute	0,743902439	short	opaque	1	tube	East Coast-IP	7.5R4/6	brownish-red	2,46	1,83	H9	2	2			Phase IV	ends slightly diagonal
GB0975	drawn	small	0,729241877	short	opaque	2	cylinder	East Coast-IP	7.5R 4/6	brownish-red	2,77	2,02	H9	2	2			Phase IV	thick patina over most of bead; bubbles in one face

GB0976	drawn	small	1,029801325	standard	translucent	3	cylinder	East Coast-IP	2.5G 5/6	green	3,02	3,11	H9	2	2			Phase IV	very thin patina over most of bead; could be Zimbabwe emeral colour could be emerald-like colour unlessdigital munsell is too off
GB0977	drawn	small	0,866242038	standard	opaque	3	cylinder	Mapungubwe Oblate	N1	black	3,14	2,72	H9	2	2			Phase IV	indentation (straight line) in side of bead (parallel to perforation)
GB0978	drawn	small	0,828828829	standard	opaque	3	cylinder	Mapungubwe Oblate	N1	black	3,33	2,76	H9	2	2			Phase IV	thin patina on side and faces (not edges of bead)
GB0979	drawn	small	0,825783972	standard	opaque	3	cylinder	Mapungubwe Oblate	N1	black	2,87	2,37	H9	2	2			Phase IV	sides broken off diagonally or bead melted so far that side tapers; sketch on form
GB0980	drawn	minute	0,634782609	short	transparent-translucent	3	cylinder	East Coast-IP	2.5G 6/4	green	2,3	1,46	H9	3	3			Phase IV	very thin patina across bead; face is oval
GB0981	drawn	medium	0,632275132	short	translucent-opaque	2	cylinder	Mapungubwe Oblate	7.5Y 8/6	yellow	3,78	2,39	I9	5	5	1		Phase IV	has bubble n a crescent shape
GB0982	drawn	small	0,518644068	short	opaque-translucent	4	oblate	Mapungubwe Oblate	N1	black	2,95	1,53	I9	5	5	1		Phase IV	
GB0983	drawn	small	0,439285714	short	opaque-translucent	3	cylinder	Mapungubwe Oblate	N1	black	2,8	1,23	I9	5	5	1		Phase IV	
GB0984	drawn	small	0,4765625	short	translucent	4	oblate	Mapungubwe Oblate	5.0BG 4/8	blue-green	2,56	1,22	I9	5	5	1		Phase IV	
GB0985	drawn	minute	0,564814815	short	translucent	4	oblate	Mapungubwe Oblate	5.0BG 4/8	blue-green	2,16	1,22	I9	5	5	1		Phase IV	shape and roundness changed after looking at sketch
GB0986	drawn	minute	0,868020305	standard	translucent-opaque	2	cylinder	East Coast-IP	7.5G 5/6	green	1,97	1,71	I9	5	5	1		Phase IV	
GB0987	drawn	medium	0,644444444	short	translucent-transparent	3	cylinder	Mapungubwe Oblate	7.5Y 8/6	yellow	3,6	2,32	I9	6 (test trench)	6			Phase IV?	might be oblate and R4sketch on form
GB0988	drawn	small	0,564564565	short	translucent	3	cylinder	Mapungubwe Oblate	7.5Y 8/6	yellow	3,33	1,88	I9	6 (test trench)	6			Phase IV?	sketch on form
GB0989	drawn	small	0,527210884	short	translucent	3	cylinder	Mapungubwe Oblate	7.5Y 8/6	yellow	2,94	1,55	I9	6 (test trench)	6			Phase IV?	
GB0990	drawn	small	0,833922261	standard	opaque-translucent	3	cylinder	East Coast-IP	10.0 GY 5/8	green	2,83	2,36	I9	6 (test trench)	6			Phase IV?	

GB0991	drawn	small	0,462006079	short	opaque-translucent	3	cylinder	Mapungubwe Oblate	N1	black	3,29	1,52	I9	6 (test trench)	6			Phase IV?	might be oblatesketch on form
GB0992	drawn	small	0,581325301	short	opaque-translucent	4	oblate	Mapungubwe Oblate	N1	black	3,32	1,93	I9	6 (test trench)	6			Phase IV?	
GB0993	drawn	small	0,434163701	short	opaque-translucent	3	cylinder	Mapungubwe Oblate	N1	black	2,81	1,22	I9	6 (test trench)	6			Phase IV?	
GB0994	drawn	small	0,534090909	short	opaque-translucent	3	oblate	Mapungubwe Oblate	N1	black	2,64	1,41	I9	6 (test trench)	6			Phase IV?	
GB0995	drawn	minute	0,822115385	standard	translucent	2	cylinder	Mapungubwe Oblate	10.0B 2/6	blue	2,08	1,71	I9	6 (test trench)	6			Phase IV?	
GB0996	drawn	small	0,609848485	short	opaque	2	cylinder	Mapungubwe Oblate	N1	black	2,64	1,61	I9	6 (test trench)	6			Phase IV?	
GB0997	drawn	small	0,813291139	standard	opaque-translucent	2	cylinder	Mapungubwe Oblate	2.5Y 7/8	yellow	3,16	2,57	I9	6	6			Phase IV?	
GB0998	drawn	small	0,675958188	short	opaque-translucent	3	cylinder	East Coast-IP	10.0G 6/6	green	2,87	1,94	I9	6	6			Phase IV?	might be oblateEnds broken off diagonally and parallel to one another; sketch on form
GB0960	drawn	medium	0,632275132	short	translucent-opaque	2	cylinder	Mapungubwe Oblate	7.5Y 8/6	yellow	3,78	2,39	I9	5	5	1		Phase IV	has bubble n a crescent shape
GB0961	drawn	small	0,518644068	short	opaque-translucent	4	oblate	Mapungubwe Oblate	N1	black	2,95	1,53	I9	5	5	1		Phase IV	
GB0962	drawn	small	0,439285714	short	opaque-translucent	3	cylinder	Mapungubwe Oblate	N1	black	2,8	1,23	I9	5	5	1		Phase IV	
GB0963	drawn	small	0,4765625	short	translucent	4	oblate	Mapungubwe Oblate	5.0BG 4/8	blue-green	2,56	1,22	I9	5	5	1		Phase IV	
GB0964	drawn	minute	0,564814815	short	translucent	4	oblate	Mapungubwe Oblate	5.0BG 4/8	blue-green	2,16	1,22	I9	5	5	1		Phase IV	shape and roundness changed after looking at sketch
GB0965	drawn	minute	0,868020305	standard	translucent-opaque	2	cylinder	East Coast-IP	7.5G 5/6	green	1,97	1,71	I9	5	5	1		Phase IV	
GB0966	drawn	medium	0,644444444	short	translucent-transparent	3	cylinder	Mapungubwe Oblate	7.5Y 8/6	yellow	3,6	2,32	I9	6 (test trench)	6	1		Phase IV?	might be oblate and R4
GB0967	drawn	small	0,564564565	short	translucent	3	cylinder	Mapungubwe Oblate	7.5Y 8/6	yellow	3,33	1,88	I9	6 (test trench)	6	1		Phase IV?	
GB0968	drawn	small	0,527210884	short	translucent	3	cylinder	Mapungubwe Oblate	7.5Y 8/6	yellow	2,94	1,55	I9	6 (test trench)	6	1		Phase IV?	
GB0969	drawn	small	0,833922261	standard	opaque-translucent	3	cylinder	East Coast-IP	10.0 GY 5/8	green	2,83	2,36	I9	6 (test trench)	6	1		Phase IV?	
GB0970	drawn	small	0,462006079	short	opaque-translucent	3	cylinder	Mapungubwe Oblate	N1	black	3,29	1,52	I9	6 (test trench)	6	1		Phase IV?	might be oblate

GB0971	drawn	small	0,581325301	short	opaque-translucent	4	oblate	Mapungubwe Oblate	N1	black	3,32	1,93	I9	6 (test trench)	6	1		Phase IV?	
GB 0972	drawn	small	0,434163701	short	opaque-translucent	3	cylinder	Mapungubwe Oblate	N1	black	2,81	1,22	I9	6 (test trench)	6	1		Phase IV?	
GB 0973	drawn	small	0,534090909	short	opaque-translucent	3	oblate	Mapungubwe Oblate	N1	black	2,64	1,41	I9	6 (test trench)	6	1		Phase IV?	
GB 0974	drawn	minute	0,822115385	standard	translucent	2	cylinder	Mapungubwe Oblate	10.0B 2/6	blue	2,08	1,71	I9	6 (test trench)	6	1		Phase IV?	
GB 0975	drawn	small	0,609848485	short	opaque	2	cylinder	Mapungubwe Oblate	N1	black	2,64	1,61	I9	6 (test trench)	6	1		Phase IV?	
GB 0976	drawn	small	0,813291139	standard	opaque-translucent	2	cylinder	Mapungubwe Oblate	2.5Y 7/8	yellow	3,16	2,57	I9	6	6	1		Phase IV?	
GB 0977	drawn	small	0,675958188	short	opaque-translucent	3	cylinder	East Coast-IP	10.0G 6/6	green	2,87	1,94	I9	6	6	1		Phase IV?	might be oblate

NET: Map 4

Bead number	Excavation	Division	Layer	Series	Colour	Number complete	Number fragments	Number	Remarks	Remarks 2	Diaphaneity
GB1000	Map 4 Ts1	A4	3	Mapungubwe Oblate	Black	1		1			opaque
GB1001	Map 4 Ts1	A7	5	Mapungubwe Oblate	Black		1	1			opaque
GB1002	Map 4 Ts1	A7	4	Mapungubwe Oblate	Black	4		4			opaque
GB1003	Map 4 Ts1	A7	4	East Coast-IP	Brownish red	4		4			opaque

GB1004	Map 4 Ts1	A7	4	Mapungubwe Oblate	Yellow		1	1	oblate shape	prob not very transparent	
GB1005	Map 4 Ts1	A7	4	K2-IP	Blue-green	3		3			transparent-translucent
GB1006	Map 4 Ts1	A7	4	Mapungubwe Oblate	Blue-green		1	1			translucent-opaque
GB1007	Map 4 Ts1	A7	4	Mapungubwe Oblate	Blue	1		1	cylinder	dark blue	
GB1008	Map 4 Ts1	A7	3	Mapungubwe Oblate	Black	1		1			opaque
GB1009	Map 4 Ts1	A7	3	K2-IP	Blue-green	1		1	broke into 2 fragments while working		transparent-translucent
GB1010	Map 4 Ts1	A7	3	Mapungubwe Oblate	Blue-green	3		3			
GB1011	Map 4 Ts1	A7	3	Mapungubwe Oblate	Blue-green	1		1		dark blue-green	
GB1012	Map 4 Ts1	A7	3	East Coast-IP	Brownish red	2		2			

GB1013	Map 4 Ts1	A7	3	Mapungubwe Oblate	Black	1		1		lighter than expected	
GB1014	Map 4 Ts1	A4	1	Mapungubwe Oblate	Black	1		1			
GB1015	Map 4 Ts1	A4	1	East Coast-IP	Brownish red	1	1	2	don't fit		
GB1016	Map 4 Ts1	A4	1	M/E	Blue-green	1		1	oblate		translucent-opaque
GB1017	Map 4 Ts1	A4	1	M/E	Blue-green	1		1	cylinder		translucent-opaque
GB1018	Map 4 Ts1	A4	1	Mapungubwe Oblate	Blue-green	1		1	oblate		translucent-opaque
GB1019	Map 4 Ts1	A4	1	Mapungubwe Oblate	Blue	2		2			light coloured and large
GB1020	Map 4 Ts1	A4	2	Mapungubwe Oblate	Green	1		1			
GB1021	Map 4 Ts1	A4	2	Mapungubwe Oblate	Blue-green	1		1			
GB1022	Map 4 Ts1	A4	4	Mapungubwe Oblate	Black	2		2			

GB1023	Map 4 Ts1	A4	4	Mapungubwe Oblate	Yellow	1		1	oblate		
GB1024	Map 4 Ts1	A4	4	East Coast-IP	Yellow	1		1	cylinder		translucent-transparent
GB1025	Map 4 Ts1	A4	4	Mapungubwe Oblate	Blue-green	1		1			
GB1026	Map 4 Ts1	A4	5	Mapungubwe Oblate	Black	3		3			opaque
GB1027	Map 4 Ts1	A4	5	East Coast-IP	Brownish red	1		1			opaque
GB1028	Map 4 Ts1	A4	5	Mapungubwe Oblate	Blue-green	1		1			
GB1029	Map 4 Ts1	A7	2	Mapungubwe Oblate	Black	3		3			opaque
GB1030	Map 4 Ts1	A7	2	East Coast-IP	Brownish red	2		2			opaque
GB1031	Map 4 Ts1	surface	surface	Mapungubwe Oblate	Blue-green	1		1			translucent-opaque

Appendix B.2: Disk beads analysed by author

New artefact number	Site	Block	Real Layers	Layers and abbreviations for spits	Phases	Colour treatment	Storage Area	Date Analysed	Material	Thickness/Length (mm)	Diameter (mm)	Rounding to nearest mm	Perforation (maximum) (mm)	Edge Form	Perforation Type	Side Shape	Front View	Summarised diameter weathering	brokeninto a half and more	Thickness weathering summarised	Symmetry	Quantity complete
DB0048	MST	A2	1 (test trench)	1	IV	Unburnt	MRF/UP Arts	12/04/2017	OES	5,15	2,44	2	1,11	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0049	MST	C2	L surface/z	1	IV	Unburnt	Mapungubwe Research Facility	42871	IVR	0,88	5,99	6	2,78	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0050	MST	C2	L surface/z	1	IV	Unburnt	Mapungubwe Research Facility	42871	OES	1,27	5,82	6	2,65	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0051	MST	C2	L surface/z	1	IV	Unburnt	Mapungubwe Research Facility	42871	OES	1,34	5,79	6	2,5	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1

DB0 052	M ST	C 2	L surfa ce/z	1	IV	Unb urnt	UP Arts Museum	42871	OE S	1, 46	4,5 2	5	1,4 7	Roun ded	Compl ete	Cylinde r	Sphere	broken into less than a half		No damage to layers/thic kness of bead	Asymme trical	1
DB0 053	M ST	C 2	L z/- 6"	2	IV	Unb urnt	Mapungu bwe Research Facility	42871	OE S	0, 87	6,3 2	6	2,1 6	Roun ded	Compl ete	Cylinde r	Sphere	broken into less than a half		No damage to layers/thic kness of bead	Asymme trical	1
DB0 054	M ST	C 2	L z/- 6"	2	IV	Burn t	Mapungu bwe Research Facility	42871	OE S	1, 19	7,5 3	8	2,6	Roun ded	Compl ete	Cylinde r	Sphere	broken into less than a half		Inner damaged	Asymme trical	1
DB0 055	M ST	C 2	L z/- 6"	2	IV	Unb urnt	Mapungu bwe Research Facility	42871	OE S	1, 29	6,3 1	6	1,9 7	Roun ded	Compl ete	Cylinde r	Sphere	broken into a half and more	Broken in half	No damage to layers/thic kness of bead	Asymme trical	1
DB0 056	M ST	C 2	L z/- 6"	2	IV	Burn t	Mapungu bwe Research Facility	42871	OE S	1, 04	6,2 8	6	2,3 8	Roun ded	Compl ete	Cylinde r	Sphere	broken into a half and more	Broken in half	Inner damaged	Asymme trical	1

DB0 057	M ST	C 2	L z/- 6"	2	IV	Unb urnt	Mapungu bwe Research Facility	42871	OE S	1, 43	5,6 6	6	1,1 1	Roun ded	Compl ete	Cylinde r	Sphere	broken into a half and more	Broken in half	No damage to layers/thic kness of bead	Asymme trical	1
DB0 058	M ST	C 2	L z/- 6"	2	IV	Unb urnt	Mapungu bwe Research Facility	42871	OE S	1, 29	5,3 5	5	1,8	Roun ded	Compl ete	Cylinde r	Sphere	broken into less than a half		No damage to layers/thic kness of bead	Asymme trical	1
DB0 059	M ST	C 2	L z/- 6"	2	IV	Unb urnt	Mapungu bwe Research Facility	42871	OE S	0, 94	5,2 5	5	2,1 8	angul ar	Compl ete	Cylinde r	Sphere	broken into less than a half		No damage to layers/thic kness of bead	Asymme trical	1
DB0 060	M ST	C 2	L z/- 6"	2	IV	Unb urnt	Mapungu bwe Research Facility	42871	OE S	1, 58	4,9 9	5	1,9 6	Roun ded	Compl ete	Cylinde r	Sphere	broken into a half and more	Broken into more than half	No damage to layers/thic kness of bead	Edge almost symmetr ical	1

DB0 061	M ST	C 2	L z/- 6"	2	IV	Unb urnt	UP Arts Museum	42871	OE S	1, 31	4,0 6	4	2,0 2	Roun ded	Compl ete	Cylinde r	Sphere	broken into a half and more	Broken into two thirds	No damage to layers/thic kness of bead	Bead almost symmetr ical	1
DB0 062	M ST	C 2	L z/- 6"	2	IV	Unb urnt	Mapungu bwe Research Facility	42871	OE S	1, 06	3,9 9	4	1,9 9	angul ar	Compl ete	Cylinde r	Sphere	broken into less than a half		No damage to layers/thic kness of bead	Asymme trical	1
DB0 063	M ST	C 2	L z/- 6"	2	IV	Unb urnt	Mapungu bwe Research Facility	42871	OE S	1, 35	3,8 6	4	1,5 4	Roun ded	Compl ete	Cylinde r	Sphere	broken into less than a half		No damage to layers/thic kness of bead	Asymme trical	1
DB0 064	M ST	C 2	M z/- 6	2	IV	Unb urnt	Mapungu bwe Research Facility	42871	OE S	1, 2	6,2 4	6	2,5 3	Roun ded	Compl ete	Cylinde r	Sphere	broken into a half and more	Broken into more than half	No damage to layers/thic kness of bead	Asymme trical	1

DB0 065	M ST	C 2	M z/- 6	2	IV	Unb urnt	Mapungu bwe Research Facility	42871	OE S	1, 33	5,1 1	5	2,0 2	Roun ded	Compl ete	Cylinde r	Sphere	broken into a half and more	Broken in half	No damage to layers/thic kness of bead	Asymme trical	1
DB0 066	M ST	C 2	M z/- 6	2	IV	Unb urnt	Mapungu bwe Research Facility	42871	OE S	1, 19	5,1 4	5	2,3 6	angul ar	Compl ete	Cylinde r	Sphere	broken into a half and more	Broken into two thirds	No damage to layers/thic kness of bead	Asymme trical	1
DB0 067	M ST	C 2	M z/- 6	2	IV	Unb urnt	Mapungu bwe Research Facility	42871	OE S	0, 88	5,0 5	5	1,8	Roun ded	Compl ete	Cylinde r	Sphere	broken into less than a half		No damage to layers/thic kness of bead	Asymme trical	1
DB0 068	M ST	C 2	M z/- 6	2	IV	Unb urnt	Mapungu bwe Research Facility	42871	OE S	0, 93	3,9 9	4	1,5 2	Roun ded	Compl ete	Cylinde r	Sphere	broken into a half and more	Broken in half	No damage to layers/thic kness of bead	Asymme trical	1

DB0069	M ST	C 2	M z/-6	2	IV	Unburnt	Mapungubwe Research Facility	42871	OES	1,28	3,15	3	0,66	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB0070	M ST	C 2	R z/-6"	2	IV	Unburnt	Mapungubwe Research Facility	42872	OES	1,51	7,11	7	2,44	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken into more than half	No damage to layers/thickness of bead	Asymmetrical	1
DB0071	M ST	C 2	R z/-6"	2	IV	Burnt	Mapungubwe Research Facility	42872	OES	1,3	5,87	6	1,81	sub-rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	Inner damaged	Asymmetrical	1
DB0072	M ST	C 2	R z/-6"	2	IV	Unburnt	Mapungubwe Research Facility	42872	OES	1,51	5,77	6	1,76	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB0073	M ST	C 2	R z/-6"	2	IV	Unburnt	Mapungubwe Research Facility	42872	OES	1,11	4,92	5	1,29	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	Inner damaged	Asymmetrical	1

DB0 074	M ST	C 2	R z/- 6"	2	IV	Unb urnt	Mapungu bwe Research Facility	42872	OE S	1, 82	5,1 5	5	1,1 7	Roun ded	Compl ete	Cylinde r	Sphere	broken into less than a half		No damage to layers/thic kness of bead	Asymme trical	1
DB0 075	M ST	C 2	R z/- 6"	2	IV	Unb urnt	Mapungu bwe Research Facility	42872	OE S	1, 08	4,6 8	5	2,1 8	Roun ded	Compl ete	Cylinde r	Sphere	broken into a half and more	Broken into more than half	No damage to layers/thic kness of bead	Asymme trical	1
DB0 076	M ST	C 2	R z/- 6"	2	IV	Unb urnt	Mapungu bwe Research Facility	42872	OE S	1, 32	4,7 6	5	1,6 1	Roun ded	Compl ete	Cylinde r	Sphere	broken into a half and more	Broken in half	No damage to layers/thic kness of bead	Asymme trical	1
DB0 077	M ST	C 2	R z/- 6"	2	IV	Unb urnt	Mapungu bwe Research Facility	42872	OE S	1, 44	4,2 5	4	1,0 4	Roun ded	Compl ete	Cylinde r	Sphere	broken into less than a half		No damage to layers/thic kness of bead	Asymme trical	1

DB0078	MST	C2	R z/-6"	2	IV	Unburnt	Mapungubwe Research Facility	42872	OES	1,57	4,07	4	1,58	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB0079	MST	C2	R z/-6"	2	IV	Unburnt	Mapungubwe Research Facility	42872	OES	0,93	3,42	3	1,47	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB0080	MST	C2	L - 6"/-12"	2	III(b), later section	Unburnt	Mapungubwe Research Facility	42872	OES	1,22	7,6	8	2,86	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB0081	MST	C2	L - 6"/-12"	2	III(b), later section	Unburnt	Mapungubwe Research Facility	42872	OES	1,44	7,13	7	1,96	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	No damage to layers/thickness of bead	Asymmetrical	1

DB0082	MST	C2	L - 6"/-12"	2	III(b), later section	Unburnt	Mapungubwe Research Facility	42872	OES	1,16	7,6	8	2,69	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB0083	MST	C2	L - 6"/-12"	2	III(b), later section	Unburnt	Mapungubwe Research Facility	42872	OES	1,42	7,14	7	2,45	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	No damage to layers/thickness of bead	Asymmetrical	1
DB0084	MST	C2	L - 6"/-12"	2	III(b), later section	Unburnt	Mapungubwe Research Facility	42872	OES	1,05	6,52	7	2,49	Rounded	Complete	Cylinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1
DB0085	MST	C2	L - 6"/-12"	2	III(b), later section	Unburnt	Mapungubwe Research Facility	42872	OES	1,59	6,28	6	2	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1

DB0 086	M ST	C 2	L - 6"/- 12"	2	III(b), later secti on	Unb urnt	UP Arts Museum	42872	OE S	1, 05	5,7 8	6	2,6 3	Roun ded	Compl ete	Cylinde r	Sphere	broken into a half and more	Broken into two thirds	No damage to layers/thic kness of bead	Asymme trical	1
DB0 087	M ST	C 2	L - 6"/- 12"	2	III(b), later secti on	Unb urnt	Mapungu bwe Research Facility	42872	OE S	1, 04	5,5 4	6	2,6 6	Roun ded	Compl ete	Cylinde r	Sphere	broken into a half and more	Broken in half	Inner damaged	Asymme trical	1
DB0 088	M ST	C 2	L - 6"/- 12"	2	III(b), later secti on	Unb urnt	Mapungu bwe Research Facility	42872	OE S	1, 43	5,6 6	6	1,7 6	Roun ded	Compl ete	Cylinde r	Sphere	broken into less than a half		No damage to layers/thic kness of bead	Asymme trical	1
DB0 089	M ST	C 2	L - 6"/- 12"	2	III(b), later secti on	Unb urnt	Mapungu bwe Research Facility	42872	OE S	0, 87	4,7 4	5	2,3 4	Roun ded	Compl ete	Cylinde r	Sphere	broken into a half and more	Broken into more than half	No damage to layers/thic kness of bead	Asymme trical	1
DB0 090	M ST	C 2	L - 6"/- 12"	2	III(b), later secti on	Unb urnt	Mapungu bwe Research Facility	42872	OE S	1, 56	4,7 9	5	2,0 4	Roun ded	Compl ete	Cylinde r	Sphere	broken into a half and more	Broken in half	No damage to layers/thic kness of bead	Asymme trical	1

DB0091	MST	C2	L - 6"/-12"	2	III(b), later section	Unburnt	Mapungubwe Research Facility	42872	OES	0,88	5,2	5	1,61	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB0092	MST	C2	L - 6"/-12"	2	III(b), later section	Burnt	Mapungubwe Research Facility	42872	OES	0,93	5,49	5	1,79	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	No damage to layers/thickness of bead	Asymmetrical	1
DB0093	MST	C2	L - 6"/-12"	2	III(b), later section	Unburnt	Mapungubwe Research Facility	42872	OES	0,94	4,62	5	1,93	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	No damage to layers/thickness of bead	Asymmetrical	1
DB0094	MST	C2	L - 6"/-12"	2	III(b), later section	Unburnt	Mapungubwe Research Facility	42872	OES	0,74	4,55	5	2,44	angular	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1

DB0095	MST	C2	M - 6"/-12"	2	III(b), later section	Unburnt	Mapungubwe Research Facility	42873	OES	1,59	8,05	8	1,98	sub-rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	No damage to layers/thickness of bead	Asymmetrical	1
DB0096	MST	C2	M - 6"/-12"	2	III(b), later section	Unburnt	Mapungubwe Research Facility	42873	OES	1,56	6,99	7	1,44	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB0097	MST	C2	M - 6"/-12"	2	III(b), later section	Unburnt	Mapungubwe Research Facility	42873	OES	1,42	6,55	7	1,6	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	No damage to layers/thickness of bead	Asymmetrical	1
DB0098	MST	C2	M - 6"/-12"	2	III(b), later section	Burnt	Mapungubwe Research Facility	42873	OES	1,22	6,68	7	1,91	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken into two thirds	Inner damaged	Asymmetrical	1
DB0099	MST	C2	M - 6"/-12"	2	III(b), later section	Unburnt	Mapungubwe Research Facility	42873	OES	1,42	6,55	7	2,02	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1

DB0 100	M ST	C 2	M - 6"/- 12"	2	III(b), later section	Unburnt	Mapungubwe Research Facility	42873	OES	1, 8	6,25	6	1,08	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	No damage to layers/thickness of bead	Asymmetrical	1
DB0 101	M ST	C 2	M - 6"/- 12"	2	III(b), later section	Unburnt	Mapungubwe Research Facility	42873	OES	1, 02	5,93	6	1,81	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0 102	M ST	C 2	M - 6"/- 12"	2	III(b), later section	Unburnt	Mapungubwe Research Facility	42873	OES	1, 16	5,84	6	1,81	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB0 103	M ST	C 2	M - 6"/- 12"	2	III(b), later section	Unburnt	Mapungubwe Research Facility	42873	OES	1, 62	5,38	5	1,7	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	No damage to layers/thickness of bead	Asymmetrical	1

DB0104	MST	C2	M - 6"/- 12"	2	III(b), later section	Unburnt	Mapungubwe Research Facility	42873	OES	0,86	5,43	5	2,23	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0105	MST	C2	M - 6"/- 12"	2	III(b), later section	Unburnt	UP Arts Museum	42873	OES	1,15	5,34	5	2,18	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB0106	MST	C2	M - 6"/- 12"	2	III(b), later section	Unburnt	UP Arts Museum	42873	OES	0,87	5,28	5	2,32	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB0107	MST	C2	M - 6"/- 12"	2	III(b), later section	Unburnt	Mapungubwe Research Facility	42873	OES	1,27	4,61	5	1,95	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	No damage to layers/thickness of bead	Edge almost symmetrical	1

DB0 108	M ST	C 2	M - 6"/- 12"	2	III(b), later secti on	Unb urnt	Mapungu bwe Research Facility	42873	OE S	1, 15	4,7 7	5	1,8 1	Roun ded	Compl ete	Cylinde r	Sphere	broken into less than a half		No damage to layers/thic kness of bead	Asymme trical	1
DB0 109	M ST	C 2	M - 6"/- 12"	2	III(b), later secti on	Unb urnt	Mapungu bwe Research Facility	42873	OE S	1, 69	4,6 7	5	1,7 6	Roun ded	Compl ete	Cylinde r	Sphere	broken into a half and more	Broken in half	No damage to layers/thic kness of bead	Asymme trical	1
DB0 110	M ST	C 2	M - 6"/- 12"	2	III(b), later secti on	Unb urnt	Mapungu bwe Research Facility	42873	OE S	0, 98	4,4 8	4	1,8 8	Roun ded	Compl ete	Cylinde r	Sphere	broken into less than a half		No damage to layers/thic kness of bead	Bead almost symmetr ical	1
DB0 111	M ST	C 2	M - 6"/- 12"	2	III(b), later secti on	Unb urnt	Mapungu bwe Research Facility	42873	OE S	0, 9	4,1 8	4	2,3 9	Roun ded	Compl ete	Cylinde r	Sphere	broken into less than a half		No damage to layers/thic kness of bead	Asymme trical	1

DB0112	MST	C2	M - 6"/-12"	2	III(b), later section	Unburnt	Mapungubwe Research Facility	42873	OES	1,25	4,31	4	1,47	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB0113	MST	C2	M - 6"/-12"	2	III(b), later section	Unburnt	Mapungubwe Research Facility	42873	OES	1,26	4,41	4	1,53	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB0114	MST	C2	M - 6"/-12"	2	III(b), later section	Unburnt	Mapungubwe Research Facility	42873	OES	1,01	3,62	4	1,5	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken into two thirds	No damage to layers/thickness of bead	Asymmetrical	1
DB0115	MST	C2	R - 6"/-12"	2	III(b), later section	Burnt	Mapungubwe Research Facility	42873	OES	0,73	6,02	6	2,42	Rounded	Incomplete	Cylinder	Sphere	broken into a half and more	Broken in half	Inner damaged	Asymmetrical	1
DB0116	MST	C2	R - 6"/-12"	2	III(b), later section	Unburnt	Mapungubwe Research Facility	42873	OES	0,75	5,34	5	2,71	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	No damage to layers/thickness of bead	Edge almost symmetrical	1

DB0117	MST	C2	R - 6"/-12"	2	III(b), later section	Unburnt	Mapungubwe Research Facility	42873	OES	1,25	4,98	5	2,2	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken into two thirds	No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0118	MST	C2	R - 6"/-12"	2	III(b), later section	Unburnt	Mapungubwe Research Facility	42873	OES	1,42	4,97	5	1,36	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	No damage to layers/thickness of bead	Asymmetrical	1
DB0119	MST	C2	R - 6"/-12"	2	III(b), later section	Unburnt	UP Arts Museum	42873	OES	1,44	4,36	4	1,03	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0120	MST	C2	R - 12"/-18"	2	III(b), later section	Unburnt	Mapungubwe Research Facility	42873	OES	1,24	7,69	8	3,17	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken into two thirds	No damage to layers/thickness of bead	Asymmetrical	1

DB0 121	M ST	C 2	R - 12"/- 18"	2	III(b), later secti on	Unb urnt	Mapungu bwe Research Facility	42873	OE S	1, 49	7,7 5	8	2,4	Roun ded	Compl ete	Cylinde r	Sphere	broken into a half and more	Broken in half	No damage to layers/thic kness of bead	Bead almost symmetr ical	1
DB0 122	M ST	C 2	R - 12"/- 18"	2	III(b), later secti on	Unb urnt	Mapungu bwe Research Facility	42873	OE S	1, 04	6,7 4	7	2,5 1	Roun ded	Compl ete	Cylinde r	Sphere	broken into a half and more	Broken in half	No damage to layers/thic kness of bead	Bead almost symmetr ical	1
DB0 123	M ST	C 2	R - 12"/- 18"	2	III(b), later secti on	Unb urnt	Mapungu bwe Research Facility	42873	OE S	0, 92	5,3 7	5	2,2 3	Roun ded	Compl ete	Cylinde r	Sphere	broken into a half and more	Broken into two thirds	No damage to layers/thic kness of bead	Asymme trical	1
DB0 124	M ST	C 2	R - 12"/- 18"	2	III(b), later secti on	Unb urnt	Mapungu bwe Research Facility	42873	OE S	1, 33	4,8 6	5	2,0 6	Roun ded	Compl ete	Cylinde r	Sphere	broken into a half and more	Broken in half	No damage to layers/thic kness of bead	Asymme trical	1

DB0 125	M ST	C 2	R - 12"/- 18"	2	III(b), later secti on	Burn t	Mapungu bwe Research Facility	42873	OE S	1, 22	3,4 9	3	0,8	Roun ded	Compl ete	Cylinde r	Sphere	broken into a half and more	Broken in half	No damage to layers/thic kness of bead	Bead almost symmetr ical	1
DB0 126	M ST	C 2	R - 6"/- 12"	2	III(b), later secti on	Unb urnt	Mapungu bwe Research Facility	42873	OE S	1, 66	8,6 7	9	2,5 6	Roun ded	Compl ete	Cylinde r	Sphere	broken into less than a half		No damage to layers/thic kness of bead	Asymme trical	1
DB0 127	M ST	C 2	M - 12"/- 18"	2	III(b), later secti on	Unb urnt	Mapungu bwe Research Facility	42873	OE S	1, 75	7,2 3	7	2,5 4	Roun ded	Compl ete	Cylinde r	Sphere	broken into a half and more	Missing a quarter (broken off)	No damage to layers/thic kness of bead	Asymme trical	1
DB0 128	M ST	C 2	M - 12"/- 18"	2	III(b), later secti on	Unb urnt	Mapungu bwe Research Facility	42873	OE S	1, 15	7,0 6	7	2,0 4	Roun ded	Compl ete	Cylinde r	Sphere	broken into a half and more	Broken in half	No damage to layers/thic kness of bead	Asymme trical	1

DB0 129	M ST	C 2	M - 12"/- 18"	2	III(b), later secti on	Unb urnt	Mapungu bwe Research Facility	42873	OE S	1, 47	6,5 5	7	2,8 5	Roun ded	Compl ete	Cylinde r	Sphere	broken into a half and more	Broken in half	No damage to layers/thic kness of bead	Edge almost symmetr ical	1
DB0 130	M ST	C 2	R - 12"/- 18"	2	III(b), later secti on	Unb urnt	Mapungu bwe Research Facility	42873	OE S	1, 02	5,8 4	6	1,7 2	Roun ded	Compl ete	Cylinde r	Sphere	broken into less than a half		No damage to layers/thic kness of bead	Bead almost symmetr ical	1
DB0 131	M ST	C 2	M - 12"/- 18"	2	III(b), later secti on	Unb urnt	Mapungu bwe Research Facility	42873	OE S	1, 07	5,0 9	5	2,7 7	angul ar	Compl ete	Cylinde r	Sphere	broken into a half and more	Broken into two thirds	No damage to layers/thic kness of bead	Edge almost symmetr ical	1
DB0 132	M ST	C 2	M - 12"/- 18"	2	III(b), later secti on	Unb urnt	Mapungu bwe Research Facility	42873	OE S	0, 91	4,6 9	5	2,4 1	Roun ded	Compl ete	Cylinde r	Sphere	broken into less than a half		No damage to layers/thic kness of bead	Edge almost symmetr ical	1

DB0133	MST	C2	R - 12"/-18"	2	III(b), later section	Unburnt	Mapungubwe Research Facility	42873	OES	0,98	4,36	4	1,76	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB0134	MST	C2	L - 12"/-18"	2	III(b), later section	Unburnt	Mapungubwe Research Facility	42873	OES	1,22	7,09	7	2,23	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	No damage to layers/thickness of bead	Asymmetrical	1
DB0135	MST	C2	L - 12"/-18"	2	III(b), later section	Unburnt	Mapungubwe Research Facility	42873	OES	1,65	8,37	8	2,75	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken into two thirds	No damage to layers/thickness of bead	Asymmetrical	1
DB0136	MST	C2	L - 12"/-18"	2	III(b), later section	Unburnt	Mapungubwe Research Facility	42873	OES	1,36	6,98	7	1,45	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1

DB0137	MST	C2	L - 12"/-18"	2	III(b), later section	Unburnt	Mapungubwe Research Facility	42873	OES	1,05	5,76	6	2,19	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	No damage to layers/thickness of bead	Asymmetrical	1
DB0138	MST	C2	L - 12"/-18"	2	III(b), later section	Unburnt	Mapungubwe Research Facility	42873	OES	1,19	5,87	6	1,88	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0139	MST	C2	L - 12"/-18"	2	III(b), later section	Unburnt	Mapungubwe Research Facility	42873	OES	1,15	4,47	4	2,06	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0140	MST	C2	L - 12"/-18"	2	III(b), later section	Unburnt	Mapungubwe Research Facility	42873	OES	1,14	4,57	5	2,12	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1

DB0 141	M ST	F 4	1(i)	2 ?	IV	Unb urnt	MRF	17/11/ 2016	OE S	1, 39	8,2 1	8	2,6 1	round ed	comple te	cylinde r	sphere	broken into a half and more	brokenin half	No damage to layers/thic kness of bead	Asymme trical	1
DB0 142	M ST	F 4	1(i)	2 ?	IV	Unb urnt	MRF	17/11/ 2016	OE S	1, 51	2,8 9	3	2,2 1	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Edge almost symmetr ical	1
DB0 143	M ST	F 4	1(i)	2 ?	IV	Burn t	MRF	17/11/ 2016	OE S	1, 22	6,7 6	7	1,6 4	sub- round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 144	M ST	F 4	1(i)	2	IV	Burn t	MRF	17/11/ 2016	OE S	1, 38	7,6	8	2,4 1	round ed	comple te	cylinde r	sphere	broken into a half and more	brokenin half	No damage to layers/thic kness of bead	Asymme trical	1
DB0 145	M ST	F 4	1(i)	2	IV	Unb urnt	MRF	17/11/ 2016	OE S	1, 51	6,4 4	6	2	round ed	comple te	cylinde r	sphere	not broken in diamet er		Inner damaged	Asymme trical	1

DB0 146	M ST	F 4	1(i)	2	IV	Unb urnt	MRF	17/11/ 2016	OE S	1, 62	7,6 3	8	2,1 3	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Edge almost symmetr ical	1
DB0 147	M ST	F 4	1(i)	2	IV	Unb urnt	MRF	17/11/ 2016	OE S	1, 45	5,7 1	6	1,9 7	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	one surface symmetr ical	1
DB0 148	M ST	F 4	1(i)	2	IV	Unb urnt	MRF	17/11/ 2016	OE S	1, 28	6,5 4	7	2,9 3	round ed	comple te	cylinde r	sphere	broken into a half and more	brokenin half	No damage to layers/thic kness of bead	Asymme trical	1
DB0 149	M ST	F 4	1(i)	2	IV	Unb urnt	MRF	17/11/ 2016	OE S	1, 64	5,5 3	6	1,5 1	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1

DB0 150	M ST	F 4	1(i)	2	IV	Unb urnt	MRF	17/11/ 2016	OE S	1, 46	5,4 2	5	2,0 4	round ed	comple te	cylinde r	sphere	broken into a half and more	brokenin half	No damage to layers/thic kness of bead	Asymme trical	1
DB0 151	M ST	F 4	1(i)	2	IV	Burn t	MRF	17/11/ 2016	OE S	0, 95	4,3 5	4	2,4 6	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 152	M ST	F 4	1(i)	2	IV	Unb urnt	MRF	17/11/ 2016	OE S	1, 61	5,1 9	5	1,8	sub- round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 153	M ST	F 4	1(i)	2	IV	Unb urnt	MRF	17/11/ 2016	OE S	1, 51	5,0 4	5	1,0 4	angul ar	comple te	cylinde r	sphere	broken into a half and more	brokenin half	No damage to layers/thic kness of bead	Asymme trical	1

DB0 154	M ST	F 4	1(i)	2	IV	Unb urnt	MRF	17/11/ 2016	OE S	1, 11	4,2 5	4	1,3 8	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Edge almost symmetr ical	1
DB0 155	M ST	F 4	1(i)	2	IV	Unb urnt	MRF	17/11/ 2016	OE S	0, 83	4,0 5	4	1,9 2	round ed	comple te	cylinde r	sphere	broken into less than a half		No damage to layers/thic kness of bead	Asymme trical	1
DB0 156	M ST	F 4	1(i)	2	IV	Unb urnt	MRF	17/11/ 2016	OE S	1, 3	3,2 5	3	1,5 1	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 157	M ST	F 4	1(i)	2	IV	Unb urnt	MRF	17/11/ 2016	OE S		2,7 7	3	1,7 8	round ed	comple te	cylinde r	sphere	broken into a half and more	brokenin half	No damage to layers/thic kness of bead	Asymme trical	1

DB0 158	M ST	F 4	1(ii)	2	IV	Unb urnt	MRF	24/10/ 2016	OE S	1, 7	7,2 5	7	1,3 7	angul ar	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 159	M ST	F 4	1(ii)	2	IV	Unb urnt	MRF	24/10/ 2016	OE S	1, 49	4,5 1	5	1,3 4	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 160	M ST	F 4	1(ii)	2	IV	Unb urnt	MRF	24/10/ 2013	OE S	0, 85	4,1 6	4	2,4 3	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 161	M ST	F 4	2(i)	2	IV	Unb urnt	MRF	25/10/ 2016	OE S	1, 85	6,7 6	7	2,0 5	sub- round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1

DB0 162	M ST	F 4	2(i)	2	IV	Unb urnt	MRF	25/10/ 2016	OE S	1, 46	7,0 9	7	2,4 8	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 163	M ST	F 4	2(i)	2	IV	Unb urnt	MRF	25/10/ 2015	OE S	1, 37	5,8 5	6	1,5 5	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Bead almost symmetr ical	1
DB0 164	M ST	F 4	2(i)	2	IV	Unb urnt	MRF	25/10/ 2016	OE S	1, 43	5,5 3	6	2,2	round ed	comple te	cylinde r	sphere	not broken in diamet er		Outer damaged	Asymme trical	1
DB0 165	M ST	F 4	2(i)	2	IV	Burn t	MRF	25/10/ 2016	OE S	1, 42	5,4 3	5	1,7 7	round ed	comple te	cylinde r	sphere	not broken in diamet er		Either of surfaces damaged	Asymme trical	1
DB0 166	M ST	F 4	2(i)	2	IV	Unb urnt	MRF	25/10/ 2016	OE S	0, 9	5,7 3	6	2,4 7	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1

DB0 167	M ST	F 4	2(i)	2	IV	Unb urnt	MRF	25/10/ 2016	OE S	1, 19	3,7 7	4	1,5 2	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 168	M ST	F 4	2(i)	2	IV	Unb urnt	MRF	25/10/ 2016	AC H	0, 57	3,7 7	4	1,3 3	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 169	M ST	F 4	2(i)	2	IV	Unb urnt	MRF	25/10/ 2016	AC H	0, 88	3,6 2	4	1,7	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Bead almost symmetr ical	1
DB0 170	M ST	F 4	2(i)x	2	IV	Unb urnt	MRF	25/10/ 2016	OE S	1, 79	8,0 6	8	2,1 6	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1

DB0 171	M ST	F 4	2(i)x	2	IV	Burn t	MRF	25/10/ 2016	OE S	1, 37	4,6 3	5	1,5 2	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 172	M ST	F 4	2(i)x	2	IV	Unb urnt	MRF	25/10/ 2016	OE S	0, 55	3,6	4	1,3	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 173	M ST	F 4	2(ii)	2	IV	Unb urnt	MRF	26/10/ 2016	OE S	2, 02	8,3 2	8	1,6 8	sub- round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 174	M ST	F 4	2(ii)	2	IV	Burn t	MRF	26/10/ 2016	OE S	1, 31	7,4 3	7	1,8 4	sub- round ed	comple te	cylinde r	irregul ar	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1

DB0175	MST	F4	2(ii)	2	IV	Burnt	MRF	26/10/2016	OES	1,67	6,64	7	1,85	sub-rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0176	MST	F4	2(ii)	2	IV	Burnt	MRF	26/10/2016	OES	1,3	6,49	6	1,95	sub-rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0177	MST	F4	2(ii)	2	IV	Burnt	MRF	26/10/2016	OES	1,32	6,73	7	1,64	sub-rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0178	MST	F4	2(ii)x	2	IV	Burnt	MRF	26/10/2016	OES	1,59	6,52	7	1,98	sub-rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0179	MST	F4	2(ii)x	2	IV	Burnt	MRF	26/10/2016	OES	1,57	6,11	6	2,07	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0180	MST	F4	2(ii)x	2	IV	Unburnt	MRF	26/10/2016	OES	1,63	6,28	6	1,55	sub-rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB0 181	M ST	F 4	2(ii)x	2	IV	Burn t	MRF	26/10/ 2016	OE S	1, 61	5,8 9	6	1,5 4	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 182	M ST	F 4	2(ii)x	2	IV	Burn t	MRF	26/10/ 2016	OE S	1, 48	5,3 8	5	1,6	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 183	M ST	F 4	2(ii)x	2	IV	Burn t	MRF	26/10/ 2016	OE S	1, 03	5,3 6	5	1,5 8	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 184	M ST	F 4	2(ii)x	2	IV	Unb urnt	MRF	26/10/ 2016	OE S	1, 68	5,5 7	6	1,8 6	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1

DB0185	MST	F4	2(ii)x	2	IV	Unburnt	MRF	26/10/2016	OES	1	5,11	5	2,22	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0186	MST	F4	2(ii)x	2	IV	Unburnt	MRF	26/10/2016	OES	1,54	4,66	5	1,52	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0187	MST	F4	2(ii)x	2	IV	Unburnt	MRF	26/10/2016	OES	1,06	3,25	3	1,66	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0188	MST	F4	2(iii)	2	IV	Unburnt	MRF	17/11/2016	OES	1,44	8,71	9	3,2	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1

DB0 189	M ST	F 4	2(iii)	2	IV	Unb urnt	MRF	17/11/ 2016	OE S	1, 69	8,5 6	9	1,7 4	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 190	M ST	F 4	2(iii)	2	IV	Unb urnt	MRF	17/11/ 2016	OE S	1, 62	7,8 5	8	1,8 7	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Edge almost symmetr ical	1
DB0 191	M ST	F 4	2(iii)	2	IV	Unb urnt	MRF	17/11/ 2016	OE S	1, 49	7,5 5	8	2,6 2	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Edge almost symmetr ical	1
DB0 192	M ST	F 4	2(iii)	2	IV	Unb urnt	MRF	17/11/ 2016	OE S	1, 23	7,5 3	8	2,6 7	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1

DB0193	MST	F4	2(iii)	2	IV	Unburnt	MRF	17/11/2016	OES	1,69	6,37	6	1,98	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0194	MST	F4	2(iii)	2	IV	Unburnt	MRF	18/11/2016	OES	1,59	6,11	6	2,01	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0195	MST	F4	2(iii)	2	IV	Unburnt	MRF	18/11/2016	OES	1,54	5,98	6	1,71	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0196	MST	F4	2(iii)	2	IV	Unburnt	MRF	18/11/2016	OES	1,19	5,32	5	1,66	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1

DB0197	MST	F4	2(iii)	2	IV	Unburnt	MRF	18/11/2016	OES	1,33	5,56	6	1,98	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0198	MST	F4	2(iii)	2	IV	Unburnt	MRF	18/11/2016	OES	1,73	5,68	6	1,79	sub-rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB0199	MST	F4	2(iii)	2	IV	Unburnt	MRF	18/11/2016	OES	1,45	5,38	5	1,48	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0200	MST	F4	2(iii)	2	IV	Unburnt	MRF	18/11/2016	OES	1,5	5,15	5	1,51	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB0 201	M ST	F 4	2(iii)	2	IV	Unb urnt	MRF	18/11/ 2016	OE S	1, 19	5,3 2	5	1,6 6	round ed	comple te	cylinde r	sphere	broken into a half and more	brokenin half	No damage to layers/thic kness of bead	Asymme trical	1
DB0 202	M ST	F 4	2(iii)	2	IV	Unb urnt	MRF	18/11/ 2016	OE S	0, 89	4,5 7	5	2,0 2	round ed	comple te	cylinde r	sphere	broken into a half and more	brokenin half	No damage to layers/thic kness of bead	Asymme trical	1
DB0 203	M ST	F 4	2(iii)	2	IV	Unb urnt	MRF	18/11/ 2016	AC H	1, 04	4,6 6	5	0,8 1	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 204	M ST	F 4	2(iii)	2	IV	Unb urnt	MRF	18/11/ 2016	OE S	1, 09	4,3 7	4	1,7	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Edge almost symmetr ical	1

DB0 205	M ST	F 4	2(iii)	2	IV	Unb urnt	MRF	18/11/ 2016	AC H	0, 48	3,9 5	4	1,3 6	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Edge almost symmetr ical	1
DB0 206	M ST	F 4	2(iii)	2	IV	Unb urnt	MRF	18/11/ 2016	OE S	1, 18	3,5 3	4	1,8 8	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 207	M ST	F 4	2(iv)	2	IV	Unb urnt	MRF	26/10/ 2016	AC H	1, 1	7,0 1	7	1,0 1	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 208	M ST	F 4	2(iv)	2	IV	Unb urnt	MRF	26/10/ 2016	OE S	1, 61	5,9 8	6	1,5 3	sub- round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1

DB0 209	M ST	F 4	2(iv)	2	IV	Unb urnt	MRF	26/10/ 2016	OE S	1, 47	4,8 9	5	1,5 2	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 210	M ST	F 4	2(iv)	2	IV	Unb urnt	MRF	26/10/ 2016	OE S	1, 38	4,8 3	5	1,5 2	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 211	M ST	F 4	2(iv)	2	IV	Unb urnt	MRF	26/10/ 2016	OE S	2, 01	5,2 3	5	1,9 4	sub- round ed	comple te	cylinde r	sphere	broken into a half and more	brokenin half, otherwis e slight	No damage to layers/thic kness of bead	Asymme trical	1
DB0 212	M ST	F 4	2(iv)	2	IV	Unb urnt	MRF	26/10/ 2016	OE S	1, 24	4,9 5	5	2,4 4	round ed	comple te	cylinde r	sphere	broken into a half and more	brokenin half, otherwis e slight	No damage to layers/thic kness of bead	Asymme trical	1

DB0 213	M ST	F 4	2(iv)	2	IV	Unb urnt	MRF	26/10/ 2016	OE S	1, 36	4,6 6	5	1,7	round ed	comple te	cylinde r	sphere	broken into a half and more	brokenin half, otherwis e slight	No damage to layers/thic kness of bead	Asymme trical	1
DB0 214	M ST	F 4	2(iv)	2	IV	Burn t	UP Arts Museum	42892	OE S	1, 02	4,0 3	4		Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Edge almost symmetr ical	1
DB0 215	M ST	F 4	3(i)	2	III(b), later secti on	Unb urnt	MRF	27/10/ 2016	OE S	1, 9	9,1 4	9	1,9 5	sub- round ed	comple te	cylinde r	sphere	broken into a half and more	brokenin half, slight	No damage to layers/thic kness of bead	Asymme trical	1
DB0 216	M ST	F 4	3(i)	2	III(b), later secti on	Unb urnt	MRF	27/10/ 2016	OE S	1, 36	4,9 8	5	2,0 7	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Bead almost symmetr ical	1
DB0 217	M ST	F 4	3(i)	2	III(b), later secti on	Burn t	MRF	27/10/ 2016	OE S	1	5,9 9	6	2	round ed	comple te	cylinde r	sphere	broken into a half and more	brokenin half (and then broke again into two pieces	Both of surfaces damaged	Asymme trical	1

DB0 218	M ST	F 4	3(ii)	2	III(b), later secti on	Unb urnt	MRF	27/10/ 2016	OE S	1, 61	8,8 5	9	2,9 8	round ed	comple te	cylinde r	sphere	broken into a half and more	brokenin half	No damage to layers/thic kness of bead	Asymme trical	1
DB0 219	M ST	F 4	3(ii)	2	III(b), later secti on	Unb urnt	MRF	27/10/ 2016	OE S	1, 77	6,7 5	7	1,9 1	sub-round ed	comple te	cylinde r	sphere	not broken in diamet er		Both of surfaces damaged	Asymme trical	1
DB0 220	M ST	F 4	3(ii)	2	III(b), later secti on	Unb urnt	MRF	27/10/ 2016	OE S	1, 17	6,3 6	6	20, 1	round ed	comple te	cylinde r	sphere	broken into a half and more	brokenin half	No damage to layers/thic kness of bead	Asymme trical	1
DB0 221	M ST	F 4	3(ii)	2	III(b), later secti on	Unb urnt	MRF	27/10/ 016	OE S	1, 51	6,1 3	6	1,5 9	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 222	M ST	F 4	3(ii)	2	III(b), later secti on	Unb urnt	MRF	27/10/ 2016	OE S	1, 69	5,9	6	1,6 4	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1

DB0223	MST	F4	3(ii)	2	III(b), later section	Unburnt	MRF	27/10/2016	OES	1,28	5,49	5	2,23	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	one edge symmetrical	1
DB0224	MST	F4	3(ii)	2	III(b), later section	Unburnt	MRF	27/10/2016	OES	1,1	5,11	5	1,79	rounded	complete	cylinder	sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB0225	MST	F4	3(ii)	2	III(b), later section	Unburnt	MRF	27/10/2016	OES	1,75	5,03	5	1,16	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0226	MST	F4	3(ii)	2	III(b), later section	Unburnt	MRF	27/10/2016		1,64	4,81	5	1,61	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB0 227	M ST	F 4	3(ii)	2	III(b), later section	Unburnt	MRF	27/10/2016	OES	1,41	4,61	5	1,69	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half, otherwise slight	No damage to layers/thickness of bead	Asymmetrical	1
DB0 228	M ST	F 4	3(ii)	2	III(b), later section	Unburnt	MRF	27/10/2016	OES	1,38	4,09	4	2,07	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0 229	M ST	F 4	3(ii)	2	III(b), later section	Unburnt	MRF	27/10/2016	OES	0,74	4,03	4	2,25	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0 230	M ST	F 4	3(iii)	2	III(b), later section	Burnt	MRF	27/10/2016	OES	1,25	7,81	8	2,48	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB0231	MST	F4	3(iii)	2	III(b), later section	Unburnt	MRF	27/10/2016	OES	1,85	7,16	7	2,03	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0232	MST	F4	3(iii)	2	III(b), later section	Unburnt	MRF	27/10/2016	OES	1,36	7,01	7	2,93	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0233	MST	F4	3(iii)	2	III(b), later section	Unburnt	MRF	27/10/2016	OES	1,85	7,16	7	2,03	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0234	MST	F4	3(iii)	2	III(b), later section	Unburnt	MRF	27/10/2016	OES	1,62	6,7	7	1,63	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB0235	MST	F4	3(iii)	2	III(b), later section	Unburnt	MRF	28/10/2016	OES	1,26	6,41	6	2,46	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0236	MST	F4	3(iii)	2	III(b), later section	Unburnt	MRF	28/10/2016	ACH	0,63	6,13	6	1,18	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0237	MST	F4	3(iii)	2	III(b), later section	Unburnt	MRF	28/10/2016	OES	1,54	6,03	6	1,99	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0238	MST	F4	3(iii)	2	III(b), later section	Unburnt	MRF	28/10/2016	OES	1,02	5,7	6	2,5	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1

DB0239	MST	F4	3(iii)	2	III(b), later section	Unburnt	MRF	28/10/2016	OES	1,25	5,36	5	2,22	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0240	MST	F4	3(iii)	2	III(b), later section	Unburnt	MRF	28/10/2016	OES	0,61	5,92	6	2,71	rounded	complete	cylinder	sphere	not broken in diameter	broken(into slightly less than half)	No damage to layers/thickness of bead	Asymmetrical	1
DB0241	MST	F4	3(iii)	2	III(b), later section	Unburnt	MRF	28/10/2016	OES	1,06	4,99	5	2,57	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0242	MST	F4	3(iii)	2	III(b), later section	Unburnt	MRF	28/10/2016	OES	0,99	5,08	5	2,37	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half, otherwise slight	No damage to layers/thickness of bead	Asymmetrical	1

DB0 243	M ST	F 4	3(iii)	2	III(b), later section	Unb urnt	MRF	28/10/ 2016	AC H	0, 83	4,6	5	1,6	round ed	comple te	cylinde r	sphere	broken into a half and more	broken(a lmost 2/3ds present)	No damage to layers/thic kness of bead	Asymme trical	1
DB0 244	M ST	F 4	3(iii)	2	III(b), later section	Unb urnt	MRF	28/10/ 2016	AC H	0, 74	3,4 1	3	1,6 1	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 245	M ST	F 4	3(iii)	2	III(b), later section	Unb urnt	MRF	28/10/ 2016	AC H	0, 99	3,3 2	3	1,2 1	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 246	M ST	F 4	4(b)	2	III(b), later section	Unb urnt	MRF	28/10/ 2016	OE S	1, 55	6,0 4	6	1,9 1	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1

DB0 247	M ST	F 4	4(b)	2	III(b), later secti on	Unb urnt	MRF	28/10/ 2016	OE S	1, 57	6,0 8	6	1,7 6	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 248	M ST	F 4	4(b)	2	III(b), later secti on	Unb urnt	MRF	28/10/ 2016	OE S	1, 37	5,6 9	6	1,6	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 249	M ST	F 4	4(b)	2	III(b), later secti on	Unb urnt	MRF	28/10/ 2016	OE S	1, 06	5,7 7	6	2,1 6	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 250	M ST	F 4	4©	2	III(b), later secti on	Unb urnt	MRF	28/10/ 2016	OE S	1, 45	8,1 4	8	2,, 67	angul ar	comple te	cylinde r	irregul ar	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 251	M ST	F 4	4©	2	III(b), later secti on	Unb urnt	MRF	28/10/ 2016	AC H	0, 85	6,9 8	7	1,5 3	round ed	comple te	cylinde r	sphere	not broken in diamet er		Either of surfaces damaged	Asymme trical	1

DB0252	MST	F4	4©	2	III(b), later section	Unburnt	MRF	28/10/2016	OES	1,24	5,55	6	1,95	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half; otherwise slight	No damage to layers/thickness of bead	Asymmetrical	1
DB0253	MST	F4	5(a)	2	III(b), later section	Unburnt	MRF	14/11/2016	OES	1,45	9,13	9	2,4	sub-rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0254	MST	F4	5(a)	2	III(b), later section	Unburnt	MRF	14/11/2016	OES	1,39	8,02	8	2,38	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0255	MST	F4	5(a)	2	III(b), later section	Unburnt	MRF	15/11/2016	OES	1,46	8,52	9	2,55	angular	complete	cylinder	irregular	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB0 256	M ST	F 4	5(a)	2	III(b), later secti on	Unb urnt	MRF	15/11/ 2016	OE S	1, 93	7,1 1	7	2,0 5	sub- round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 257	M ST	F 4	5(a)	2	III(b), later secti on	Unb urnt	MRF	15/11/ 2016	OE S	1, 03	6,0 6	6	1,8 1	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	one surface symmetr ical	1
DB0 258	M ST	F 4	5(a)	2	III(b), later secti on	Unb urnt	MRF	15/11/ 2016	OE S	1, 44	5,7 4	6	2,6 2	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 259	M ST	F 4	5(a)	2	III(b), later secti on	Unb urnt	MRF	15/11/ 2016	AC H	1, 13	5,0 4	5	0,8	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1

DB0260	MST	F4	5(b)(i)	2	III(b), later section	Unburnt	MRF	3/11/2016	OES	1,53	8,6	9	2,73	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0261	MST	F4	5(b)(i)	2	III(b), later section	Unburnt	MRF	3/11/2016	OES	1,42	8,38	8	2,26	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0262	MST	F4	5(b)(i)	2	III(b), later section	Burnt	MRF	3/11/2016	OES	1,52	8	8	2,4	rounded	complete	cylinder	oblate	not broken in diameter		Either of surfaces damaged	Asymmetrical	1
DB0263	MST	F4	5(b)(i)	2	III(b), later section	Unburnt	MRF	3/11/2016	OES	1,36	6,4	6	1,88	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0264	MST	F4	5(b)(i)	2	III(b), later section	Unburnt	MRF	3/11/2016	OES	1,47	6,31	6	2,28	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB0265	MST	F4	5(b)(i)	2	III(b), later section	Unburnt	MRF	3/11/2016	OES	1,49	5,28	5	1,83	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0266	MST	F4	5(b)(i)	2	III(b), later section	Unburnt	MRF	3/11/2016	OES	0,98	4,67	5	1,95	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0267	MST	F4	5(b)(i)	2	III(b), later section	Unburnt	MRF	3/11/2016	OES	0,86	2,9	3	1,36	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0268	MST	F4	5(b)(i)	2	III(b), later section	Unburnt	MRF	4/11/2016	OES	1,2	6,62	7	2,89	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB0269	MST	F4	5(b)(ii)	2	III(b), later section	Unburnt	MRF	4/11/2016	OES	0,91	5,54	6	2,6	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0270	MST	F4	5(b)(ii)	2	III(b), later section	Unburnt	MRF	4/11/2016	OES	1,64	5,84	6	1,27	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0271	MST	F4	5(b)iii	2	III(b), later section	Unburnt	MRF	15/11/2016	ACH	0,69	3,01	3	1,18	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0272	MST	F4	6(a)	2	III(b), later section	Unburnt	MRF	4/11/2016	OES	1,17	6,67	7	2,65	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1

DB0 273	M ST	F 4	6(a)	2	III(b), later secti on	Burn t	MRF	4/11/2 016	OE S	2, 17	5,1 7	5	1,8 4	round ed	comple te	cylinde r	sphere	broken into a half and more	brokenin half, otherwis e slight	No damage to layers/thic kness of bead	Asymme trical	1
DB0 274	M ST	F 4	6(a)	2	III(b), later secti on	Unb urnt	MRF	4/11/2 016	OE S	1	4,7 2	5	1,9 9	round ed	comple te	cylinde r	sphere	broken into a half and more	brokenin half, otherwis e slight	No damage to layers/thic kness of bead	Asymme trical	1
DB0 275	M ST	F 4	6(a)	2	III(b), later secti on	Unb urnt	Received from Universit y of the Witwater srand	43013	OE S	1, 68	6,0 7	6	2,0 6	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Bead almost symmetr ical	1
DB0 276	M ST	F 4	6(a)	2	III(b), later secti on	Unb urnt	Received from Universit y of the Witwater srand	43013	OE S	1, 52	5,8 1	6	2,2 4	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Bead almost symmetr ical	1

DB0 277	M ST	F 4	6(a)	2	III(b), later section	Unburnt	Received from University of the Witwatersrand	43013	OES	1,68	5,61	6	1,73	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0 278	M ST	F 4	6(a)	2	III(b), later section	Unburnt	Received from University of the Witwatersrand	43013	OES	1,51	5,47	5	1,78	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0 279	M ST	F 4	6(a)	2	III(b), later section	Unburnt	Received from University of the Witwatersrand	43013	OES	1,57	5,35	5	2,07	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0 280	M ST	F 4	6(a)	2	III(b), later section	Unburnt	Received from University of the Witwatersrand	43013	OES	1,55	5,46	5	1,56	Rounded	Incomplete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1

DB0 281	M ST	F 4	6(a)	2	III(b), later secti on	Unb urnt	Received from Universit y of the Witwater srand	43013	OE S	1, 64	5,4 2	5	1,7 2	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Bead almost symmetr ical	1
DB0 282	M ST	F 4	6(a)	2	III(b), later secti on	Unb urnt	Received from Universit y of the Witwater srand	43013	OE S	1, 46	5,4 8	5	1,9 3	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 283	M ST	F 4	6(a)	2	III(b), later secti on	Unb urnt	Received from Universit y of the Witwater srand	43013	OE S	1, 55	5,3 1	5	1,6 5	Roun ded	Incom plete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Bead almost symmetr ical	1
DB0 284	M ST	F 4	6(a)	2	III(b), later secti on	Unb urnt	Received from Universit y of the Witwater srand	43013	OE S	1, 65	5,3 4	5	1,7	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Edge almost symmetr ical	1

DB0285	MST	F4	6(a)	2	III(b), later section	Unburnt	Received from University of the Witwatersrand	43013	OES	1,55	5,22	5	2,09	Rounded	Complete	Hemisphere	somewhat rectangular	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0286	MST	F4	6(a)	2	III(b), later section	Unburnt	Received from University of the Witwatersrand	43013	OES	1,55	5,04	5	1,4	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0287	MST	F4	6(a)	2	III(b), later section	Unburnt	Received from University of the Witwatersrand	43013	OES	1,55	5	5	1,65	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0288	MST	F4	6(a)	2	III(b), later section	Unburnt	Received from University of the Witwatersrand	43013	OES	1,32	4,98	5	1,54	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1

DB0289	MST	F4	6(a)	2	III(b), later section	Unburnt	Received from University of the Witwatersrand	43013	OES	1,44	4,69	5	1,79	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Outer damaged	Edge almost symmetrical	1
DB0290	MST	F4	6(a)	2	III(b), later section	Unburnt	Received from University of the Witwatersrand	43013	OES	1,48	4,81	5	1,5	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0291	MST	F4	6(a)	2	III(b), later section	Unburnt	Received from University of the Witwatersrand	43013	OES	1,4	4,74	5	1,49	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0292	MST	F4	6(a)	2	III(b), later section	Unburnt	Received from University of the Witwatersrand	43013	OES	1,65	4,71	5	1,66	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1

DB0293	MST	F4	6(a)	2	III(b), later section	Unburnt	Received from University of the Witwatersrand	43013	OES	1,41	4,62	5	1,54	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0294	MST	F4	6(a)	2	III(b), later section	Unburnt	Received from University of the Witwatersrand	43013	OES	1,29	4,64	5	1,66	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0295	MST	F4	6(a)	2	III(b), later section	Unburnt	Received from University of the Witwatersrand	43013	OES	1,35	4,55	5	1,66	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0296	MST	F4	6(a)	2	III(b), later section	Unburnt	Received from University of the Witwatersrand	43013	OES	1,58	4,61	5	1,48	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1

DB0297	MST	F4	6(a)	2	III(b), later section	Unburnt	Received from University of the Witwatersrand	43013	OES	1,43	4,63	5	1,7	Rounded	Complete	Cylinder	somewhat rectangular	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0298	MST	F4	6(a)	2	III(b), later section	Unburnt	Received from University of the Witwatersrand	43013	OES	1,24	4,32	4	1,87	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0299	MST	F4	6(a)	2	III(b), later section	Unburnt	Received from University of the Witwatersrand	43013	OES	1,13	4,4	4	2,1	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0300	MST	F4	6(a)	2	III(b), later section	Unburnt	Received from University of the Witwatersrand	43013	OES	1,39	4,34	4	2,04	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1

DB0 301	M ST	F 4	6(a)	2	III(b), later section	Unburnt	Received from University of the Witwatersrand	43013	OES	1, 18	4,34	4	2	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0 302	M ST	F 4	6(a)	2	III(b), later section	Unburnt	Received from University of the Witwatersrand	43013	OES	1, 44	4,15	4	1,48	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0 303	M ST	F 4	6(a)	2	III(b), later section	Unburnt	Received from University of the Witwatersrand	43013	OES	1, 42	4,27	4	1,91	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0 304	M ST	F 4	6(a)	2	III(b), later section	Unburnt	Received from University of the Witwatersrand	43013	OES	1, 53	4,24	4	1,68	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB0305	MST	F4	6(a)	2	III(b), later section	Unburnt	Received from University of the Witwatersrand	43013	OES	1,53	4,21	4	1,74	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0306	MST	F4	6(a)	2	III(b), later section	Unburnt	Received from University of the Witwatersrand	43013	OES	1,45	4,32	4	1,62	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0307	MST	F4	6(a)	2	III(b), later section	Unburnt	Received from University of the Witwatersrand	43013	OES	1,32	4,22	4	1,73	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0308	MST	F4	6(a)	2	III(b), later section	Unburnt	Received from University of the Witwatersrand	43013	OES	1,37	4,1	4	1,77	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1

DB0 309	M ST	F 4	6(a)	2	III(b), later section	Unburnt	Received from University of the Witwatersrand	43013	OES	1, 25	4,15	4	1,52	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0 310	M ST	F 4	6(a)	2	III(b), later section	Unburnt	Received from University of the Witwatersrand	43013	OES	1, 49	4,23	4	1,78	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0 311	M ST	F 4	6(a)	2	III(b), later section	Unburnt	Received from University of the Witwatersrand	43013	OES	1, 36	4,12	4	1,61	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0 312	M ST	F 4	6(a)	2	III(b), later section	Unburnt	Received from University of the Witwatersrand	43013	OES	1, 34	4,2	4	1,71	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1

DB0313	MST	F4	6(a)	2	III(b), later section	Unburnt	Received from University of the Witwatersrand	43013	OES	1,43	4,21	4	1,69	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0314	MST	F4	6(a)	2	III(b), later section	Unburnt	Received from University of the Witwatersrand	43013	OES	1,3	3,99	4	1,75	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0315	MST	F4	6(b) floor V3	2	III(b), later section	Unburnt	MRF	4/11/2016	OES	1,58	9,22	9	2,68	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0316	MST	F4	6(b) floor V3	2	III(b), later section	Unburnt	MRF	4/11/2016	OES	1,56	8,6	9	2,38	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half, otherwise slight	No damage to layers/thickness of bead	Asymmetrical	1

DB0317	MST	F4	6(b) floor V3	2	III(b), later section	Unburnt	MRF	4/11/2016	OES	1,53	8,3	8	2,71	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half; otherwise slight	No damage to layers/thickness of bead	Asymmetrical	1
DB0318	MST	F4	6(b)	2	III(b), later section	Unburnt	MRF	4/11/2016	OES	1,47	9,47	9	2,29	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0319	MST	F4	6(b)	2	III(b), later section	Unburnt	MRF	4/11/2016	OES	1,44	9,32	9	2,28	rounded	complete	cylinder	sphere	broken into a half and more	brokenin to a third	No damage to layers/thickness of bead	Asymmetrical	1
DB0320	MST	F4	6(b)	2	III(b), later section	Unburnt	MRF	4/11/2016	OES	1,42	9,08	9	2,29	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB0321	MST	F4	6(b)	2	III(b), later section	Unburnt	MRF	4/11/2016	OES	1,48	7,95	8	1,85	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0322	MST	F4	6(b)	2	III(b), later section	Unburnt	MRF	4/11/2016	OES	1,4	6,58	7	2,35	sub-rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0323	MST	F4	6(b)	2	III(b), later section	Burnt	MRF	4/11/2016	OES	1,83	6,2	6	1,35	sub-rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0324	MST	F4	6(b)	2	III(b), later section	Burnt	MRF	4/11/2016	OES	0,84	5,28	5	2,69	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1

DB0325	MST	F4	6(b)	2	III(b), later section	Unburnt	MRF	4/11/2016	OES	1,49	4,9	5	2,58	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB0326	MST	F4	6(b)	2	III(b), later section	Burnt	MRF	4/11/2016	OES	1,35	4,81	5	2,31	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB0327	MST	F4	7(i)(x)	2	III(b), earlier section	Unburnt	MRF	4/11/2016	OES	1,8	13,38	13	2,96	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB0328	MST	F4	7(i)(x)	2	III(b), earlier section	Unburnt	MRF	4/11/2016	OES	1,74	13,54	14	1,63	rounded	semi-complete?	cylinder	sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1

DB0329	MST	F4	7(i)(x)	2	III(b), earlier section	Unburnt	MRF	4/11/2016	OES	1,62	8,71	9	2,51	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0330	MST	F4	7(ii)	2	III(b), earlier section	Unburnt	MRF	4/11/2016	OES	2,04	15,82	16	2,36	sub-rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0331	MST	F4	7(ii)	2	III(b), earlier section	Unburnt	MRF	7/11/2016	OES	2,01	14,12	14	2,39	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0332	MST	F4	7(ii)	2	III(b), earlier section	Unburnt	MRF	7/11/2016	OES	1,81	10,13	10	2,63	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1

DB0333	MST	F4	7(ii)	2	III(b), earlier section	Unburnt	MRF	7/11/2016	OES	1,43	10,22	10	28,2	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB0334	MST	F4	7(ii)	2	III(b), earlier section	Unburnt	MRF	7/11/2016	OES	1,83	9,93	10	2,31	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB0335	MST	F4	7(ii)	2	III(b), earlier section	Unburnt	MRF	7/11/2016	OES	1,63	9,81	10	19,3	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB0336	MST	F4	7(ii)	2	III(b), earlier section	Unburnt	MRF	7/11/2016	OES	1,54	10,04	10	3,03	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1

DB0337	MST	F4	7(ii)	2	III(b), earlier section	Unburnt	MRF	7/11/2016	OES	1,75	8,97	9	2,26	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB0338	MST	F4	7(ii)	2	III(b), earlier section	Unburnt	MRF	7/11/2016	OES	1,42	8,94	9	2,84	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB0339	MST	F4	7(ii)	2	III(b), earlier section	Unburnt	MRF	7/11/2016	OES	1,84	8,91	9	2,57	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB0340	MST	F4	7(ii)	2	III(b), earlier section	Unburnt	MRF	7/11/2016	OES	1,52	6,96	7	2,52	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1

DB0341	MST	F4	7(ii)	2	III(b), earlier section	Unburnt	MRF	7/11/2016	OES	1,19	6,91	7	2,61	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0342	MST	F4	7(ii)	2	III(b), earlier section	Unburnt	MRF	7/11/2016	OES	1,22	6,38	6	2,31	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0343	MST	F4	7(ii)	2	III(b), earlier section	Unburnt	MRF	7/11/2016	OES	14,2	6,07	6	2,89	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0344	MST	F4	7(ii)	2	III(b), earlier section	Unburnt	MRF	7/11/2016	OES	1,25	5,77	6	2,53	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	one surface symmetrical	1

DB0 345	M ST	F 4	7(ii)	2	III(b), earli er secti on	Unb urnt	MRF	7/11/2 016	OE S	1, 17	5,6 9	6	2,4 3	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 346	M ST	F 4	7(ii)	2	III(b), earli er secti on	Unb urnt	MRF	7/11/2 016	OE S	1, 36	5,4 3	5	1,8 7	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 347	M ST	F 4	7(ii)	2	III(b), earli er secti on	Unb urnt	MRF	7/11/2 016	OE S	1, 33	3,8 9	4	0,9 3	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 348	M ST	F 4	7(ii)	2	III(b), earli er secti on	Unb urnt	MRF	7/11/2 016	OE S	1, 02	2,9 9	3	0,9 4	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1

DB0 349	M ST	F 4	7(iii) Floor V10 (a)	7	III(a), later section	Unburnt	MRF	7/11/2016	OES	1,76	11,81	12	3,05	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0 350	M ST	F 4	7(iii) Floor V10 (a)	2	III(a), later section	Unburnt	MRF	7/11/2016	OES	1,14	7,38	7	2,71	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0 351	M ST	F 4	7(iii)	2	III(a), later section	Unburnt	Mapungubwe Research Facility	42786	OES	1,98	16,07	16	2,73	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0 352	M ST	F 4	7(iii)	2	III(a), later section	Unburnt	Mapungubwe Research Facility	42786	OES	2,01	15,32	15	2,45	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB0353	MST	F4	7(iii)	2	III(a), later section	Unburnt	Mapungubwe Research Facility	42786	OES	1,72	11,65	12	1,97	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0354	MST	F4	7(iii)	2	III(a), later section	Unburnt	Mapungubwe Research Facility	42786	OES	1,61	11,3	11	2,71	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0355	MST	F4	7(iii)	2	III(a), later section	Unburnt	Mapungubwe Research Facility	42786	OES	1,96	11,23	11	2,48	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0356	MST	F4	7(iii)	2	III(a), later section	Unburnt	Mapungubwe Research Facility	42786	OES	1,84	11,44	11	1,96	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB0357	MST	F4	7(iii)	2	III(a), later section	Unburnt	Mapungubwe Research Facility	42786	OES	1,47	7,33	7	2,02	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0358	MST	F4	7(iii)	2	III(a), later section	Unburnt	Mapungubwe Research Facility	42786	OES	1,64	6,75	7	2,37	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0359	MST	F4	7(iii)	2	III(a), later section	Unburnt	Mapungubwe Research Facility	42786	OES	1,09	6,55	7	2,49	Rounded	Complete	Cylinder	Sphere	broken into a half and more	brokenin to more than half	No damage to layers/thickness of bead	Asymmetrical	1
DB0360	MST	F4	7(iii)	2	III(a), later section	Unburnt	Mapungubwe Research Facility	42786	OES	0,82	6,32	6	2,41	Rounded	Complete	Cylinder	Sphere	broken into a half and more	brokenin to two thirds	No damage to layers/thickness of bead	Edge almost symmetrical	1

DB0361	MST	F4	7(iii)	2	III(a), later section	Unburnt	Mapungubwe Research Facility	42786	OES	1,22	6,18	6	1,97	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0362	MST	F4	7(iii)	2	III(a), later section	Unburnt	Mapungubwe Research Facility	42786	OES	1,25	6,09	6	2,22	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0363	MST	F4	7(iii)	2	III(a), later section	Unburnt	Received from University of the Witwatersrand	43013	OES	1,35	4,72	5	1,56	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0364	MST	F4	7(iii)	2	III(a), later section	Unburnt	Received from University of the Witwatersrand	43013	OES	1,36	4,54	5	2,18	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1

DB0 365	M ST	F 4	7(iv)	2	III(a), later secti on	Unb urnt	MRF	18/11/ 2016	OE S	1, 82	8,7	9	2,3 7	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 366	M ST	F 4	7(iv)	2	III(a), later secti on	Unb urnt	MRF	18/11/ 2016	OE S	1, 74	8,2	8	1,4 3	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 367	M ST	F 4	7(iv)	2	III(a), later secti on	Unb urnt	MRF	18/11/ 2016	OE S	1, 79	8,4	8	1,5 8	angul ar	comple te	cylinde r	sphere	broken into a half and more	sides broken off	Inner damaged	Asymme trical	1
DB0 368	M ST	F 4	7(iv)	2	III(a), later secti on	Unb urnt	MRF	18/11/ 2016	OE S	1, 4	7,2 1	7	2,3 3	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Edge almost symmetr ical	1
DB0 369	M ST	F 4	7(iv)	2	III(a), later secti on	Unb urnt	MRF	18/11/ 2016	OE S	1, 64	7,0 3	7	1,5 5	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1

DB0370	MST	F4	7(iv)	2	III(a), later section	Unburnt	MRF	18/11/2016	OES	1,3	6,77	7	2,31	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB0371	MST	F4	7(iv)	2	III(a), later section	Unburnt	MRF	18/11/2016	OES	1,68	6,85	7	1,41	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB0372	MST	F4	7(iv)	2	III(a), later section	Unburnt	MRF	18/11/2016	OES	1,31	6,43	6	2,21	rounded	complete	cylinder	sphere	broken into a half and more	broken(more than half present)	No damage to layers/thickness of bead	Asymmetrical	1
DB0373	MST	F4	7(iv)	2	III(a), later section	Unburnt	MRF	18/11/2016	OES	1,26	6,3	6	1,79	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1

DB0 374	M ST	F 4	7(iv)	2	III(a), later secti on	Unb urnt	MRF	18/11/ 2016	OE S	1, 31	5,9 2	6	2,7 5	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 375	M ST	F 4	7(iv)	2	III(a), later secti on	Unb urnt	MRF	18/11/ 2016	OE S	1, 41	6,0 2	6	2,0 8	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 376	M ST	F 4	7(iv)	2	III(a), later secti on	Unb urnt	MRF	18/11/ 2016	OE S	0, 99	5,7 1	6	2,0 4	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Bead almost symmetr ical	1
DB0 377	M ST	F 4	7(iv)	2	III(a), later secti on	Unb urnt	MRF	18/11/ 2016	OE S	0, 98	5,4 1	5	2,8 2	round ed	comple te	cylinde r	sphere	broken into a half and more	brokenin half	No damage to layers/thic kness of bead	Asymme trical	1

DB0378	MST	F4	7(iv)	2	III(a), later section	Unburnt	MRF	18/11/2016	OES	1,01	5,57	6	2,84	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB0379	MST	F4	7(iv)	2	III(a), later section	Unburnt	MRF	18/11/2016	OES	1,42	5,42	5	2,43	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0380	MST	F4	7(iv)	2	III(a), later section	Unburnt	MRF	21/11/2016	OES	1,07	5,21	5	2,42	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB0381	MST	F4	7(iv)	2	III(a), later section	Unburnt	MRF	21/11/2016	OES	1,02	5,06	5	2,2	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	one edge symmetrical	1

DB0382	MST	F4	7(iv)	2	III(a), later section	Unburnt	MRF	21/11/2016	OES	1,58	5,18	5	1,84	rounded	complete	cylinder	irregular	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0383	MST	F4	7(iv)	2	III(a), later section	Unburnt	MRF	21/11/2016	OES	0,92	4,94	5	2	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0384	MST	F4	7(iv)	2	III(a), later section	Unburnt	MRF	21/11/2016	OES	1,13	4,64	5	1,94	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0385	MST	F4	7(iv)	2	III(a), later section	Unburnt	MRF	21/11/2016	OES	1,14	4,45	4	2,34	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1

DB0386	MST	F4	7(iv)	2	III(a), later section	Unburnt	MRF	21/11/2016	ACH	1,12	4,1	4	0,78	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0387	MST	F4	8(ii)	x	III(a), later section	Unburnt	Mapungubwe Research Facility	42781	OES	1,63	7,67	8	1,94	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0388	MST	F4	8(ii)	x	III(a), later section	Unburnt	Mapungubwe Research Facility	42781	OES	1,58	7,59	8	2,37	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0389	MST	F4	8(ii)	x	III(a), later section	Unburnt	Mapungubwe Research Facility	42781	OES	1,16	6,79	7	2,35	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1

DB0 390	M ST	F 4	8(ii)	x	III(a), later secti on	Unb urnt	Mapungu bwe Research Facility	42781	OE S	1, 38	6,6 7	7	2,6 8	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Edge almost symmetr ical	1
DB0 391	M ST	F 4	8(ii)	x	III(a), later secti on	Unb urnt	Mapungu bwe Research Facility	42781	OE S	1, 22	6,3 1	6	2,7 7	Roun ded	Compl ete	Cylinde r	Sphere	broken into a half and more	brokenin half	No damage to layers/thic kness of bead	Asymme trical	1
DB0 392	M ST	F 4	8(ii)	x	III(a), later secti on	Unb urnt	Mapungu bwe Research Facility	42781	OE S	1, 51	6,8 2	7	1,6 2	Roun ded	Compl ete	Cylinde r	Sphere	broken into a half and more	brokenin half	No damage to layers/thic kness of bead	Asymme trical	1
DB0 393	M ST	F 4	8(ii)	x	III(a), later secti on	Unb urnt	Mapungu bwe Research Facility	42781	OE S	1, 27	6,2 4	6	2,2 9	Roun ded	Compl ete	Cylinde r	Sphere	broken into a half and more	brokenin to two thirds	No damage to layers/thic kness of bead	Asymme trical	1

DB0394	MST	F4	8(ii)	x	III(a), later section	Unburnt	Mapungubwe Research Facility	42781	OES	1,44	6,3	6	1,86	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0395	MST	F4	8(ii)	x	III(a), later section	Unburnt	Mapungubwe Research Facility	42781	OES	0,98	6,32	6	1,94	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0396	MST	F4	8(ii)	x	III(a), later section	Unburnt	Mapungubwe Research Facility	42781	OES	1,37	6,02	6	2,78	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0397	MST	F4	8(ii)	x	III(a), later section	Unburnt	Mapungubwe Research Facility	42781	OES	1,75	6,09	6	1,48	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB0398	MST	F4	8(ii)	x	III(a), later section	Unburnt	Mapungubwe Research Facility	42781	OES	1,47	6,45	6	1,92	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB0399	MST	F4	8(ii)	x	III(a), later section	Unburnt	Mapungubwe Research Facility	42781	OES	1,47	6,62	7	1,62	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB0400	MST	F4	8(ii)	x	III(a), later section	Unburnt	Mapungubwe Research Facility	42781	OES	1,34	6,13	6	2,19	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB0401	MST	F4	8(ii)	x	III(a), later section	Unburnt	Mapungubwe Research Facility	42781	OES	1,64	6,28	6	1,38	Rounded	Complete	Cylinder	Irregular	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB0 402	M ST	F 4	8(ii)	x	III(a), later section	Unburnt	Mapungubwe Research Facility	42781	OES	1,15	5,65	6	1,89	Rounded	Complete	Cylinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0 403	M ST	F 4	8(ii)	x	III(a), later section	Unburnt	Mapungubwe Research Facility	42781	OES	0,92	5,71	6	2,38	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0 404	M ST	F 4	8(ii)	x	III(a), later section	Unburnt	Mapungubwe Research Facility	42781	OES	1,7	5,7	6	1,84	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0 405	M ST	F 4	8(ii)	x	III(a), later section	Unburnt	Mapungubwe Research Facility	42781	OES	1,43	5,69	6	2,1	Rounded	Complete	Cylinder	somewhat rectangular	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB0406	MST	F4	8(ii)	x	III(a), later section	Unburnt	Mapungubwe Research Facility	42781	OES	0,96	5,38	5	2,6	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0407	MST	F4	8(ii)	x	III(a), later section	Unburnt	Mapungubwe Research Facility	42781	OES	1,11	5,32	5	1,84	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB0408	MST	F4	8(ii)	x	III(a), later section	Unburnt	Mapungubwe Research Facility	42781	OES	1,46	5,27	5	1,91	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0409	MST	F4	8(ii)	x	III(a), later section	Unburnt	Mapungubwe Research Facility	42781	OES	1,22	5,34	5	1,94	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1

DB0410	MST	F4	8(ii)	x	III(a), later section	Unburnt	Mapungubwe Research Facility	42781	OES	0,89	4,82	5	2,85	Rounded	Complete	Cylinder	Sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB0411	MST	F4	8(ii)	x	III(a), later section	Unburnt	Mapungubwe Research Facility	42781	OES	1,28	4,8	5	1,62	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB0412	MST	F4	8(ii)	x	III(a), later section	Unburnt	Mapungubwe Research Facility	42781	ACH	1,93	5,29	5	1,06	Rounded	Complete	Cylinder	Irregular	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0413	MST	F4	8(ii)	x	III(a), later section	Unburnt	Mapungubwe Research Facility	42781	ACH	0,92	4,22	4	1,84	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1

DB0414	MST	F4	8(iii)(a)	2	III(a), earlier section	Unburnt	MRF	7/11/2016	OES	1,1	6,85	7	2,66	rounded	complete	cylinder	sphere	broken into a half and more	broken(more than half present)	No damage to layers/thickness of bead	Asymmetrical	1
DB0415	MST	F4	8(iii)(a)	2	III(a), earlier section	Unburnt	MRF	7/11/2016	OES	1,44	6,34	6	2,21	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB0416	MST	F4	8(iii)(a)	2	III(a), earlier section	Unburnt	MRF	7/11/2016	OES	1,36	5,68	6	2,15	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB0417	MST	F4	8(iii)(a)	2	III(a), earlier section	Unburnt	MRF	7/11/2016	OES	1,38	5,6	6	2,04	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1

DB0 418	M ST	F 4	8(iii)(a)	2	III(a), earli er secti on	Unb urnt	MRF	7/11/2 016	OE S	0, 97	5,0 8	5	1,0 8	round ed	comple te	cylinde r	sphere	broken into a half and more	brokenin half	No damage to layers/thic kness of bead	Asymme trical	1
DB0 419	M ST	F 4	8(iii)(b)	2	III(a), earli er secti on	Unb urnt	MRF	7/11/2 016	OE S	1, 11	6,6 8	7	3,0 4	round ed	comple te	cylinde r	sphere	broken into a half and more	brokenin half	No damage to layers/thic kness of bead	Asymme trical	1
DB0 420	M ST	F 4	8(iii)(b)	2	III(a), earli er secti on	Unb urnt	MRF	7/11/2 016	OE S	0, 74	5,6	6	2,5 7	round ed	comple te	cylinde r	sphere	broken into a half and more	brokenin half	No damage to layers/thic kness of bead	Asymme trical	1
DB0 421	M ST	F 4	8(iii)(c)	2	III(a), earli er secti on	Unb urnt	MRF	7/11/2 016	FB V	1, 2	10, 2	1 0	3,0 1	round ed	comple te	cylinde r	sphere	broken into a half and more	brokenin half	Both of surfaces damaged	Asymme trical	1
DB0 422	M ST	F 4	8(iii) ©	2	III(a), earli er secti on	Unb urnt	MRF	8/11/2 016	OE S	2, 01	7,7 7	8	2,0 3	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1

DB0423	MST	F4	8(iii)©	2	III(a), earlier section	Unburnt	MRF	8/11/2016	OES	1,43	6,99	7	2,13	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0424	MST	F4	8(iii)©	2	III(a), earlier section	Unburnt	MRF	8/11/2016	OES	1,58	5,1	5	2,03	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0425	MST	F4	8(iii)(d)	2	III(a), earlier section	Unburnt	MRF	8/11/2016	OES	1,79	8,13	8	2,06	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0426	MST	F4	8(iii)(d)	2	III(a), earlier section	Unburnt	MRF	8/11/2016	UNK	1,24	4,49	4	1,5	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB0427	MST	F4	8(iv)	2	III(a), earlier section	Unburnt	MRF	8/11/2016	OES	1,95	8,11	8	2,15	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0428	MST	F4	8(iv)	2	III(a), earlier section	Unburnt	MRF	8/11/2016	OES	1,79	8,05	8	1,91	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0429	MST	F4	8(iv)	2	III(a), earlier section	Unburnt	MRF	8/11/2016	OES	1,67	8,08	8	2,25	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0430	MST	F4	8(iv)	2	III(a), earlier section	Unburnt	MRF	8/11/2016	OES	1,61	6,33	6	2,26	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1

DB0431	MST	F4	8(iv)	2	III(a), earlier section	Unburnt	MRF	8/11/2016	OES	1,41	5,25	5	1,67	rounded	complete	cylinder	sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB0432	MST	F4	8(iv)	2	III(a), earlier section	Unburnt	MRF	8/11/2016	OES	0,86	4,98	5	2,28	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB0433	MST	F4	8(iv)	2	III(a), earlier section	Unburnt	MRF	8/11/2016	OES	1,52	4,52	5	2,06	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0434	MST	F4	8(iv)	2	III(a), earlier section	Unburnt	MRF	8/11/2016	OES	1,37	4,35	4	2,5	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB0435	MST	F4	9(i)	2	II	Burnt	MRF	8/11/2016	OES	1,3	5,59	6	2,01	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0436	MST	F4	9(i)	2	II	Burnt	MRF	9/11/2016	FBV	0,88	8,32	8	2,58	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half and corner chipperd off	No damage to layers/thickness of bead	Asymmetrical	1
DB0437	MST	F4	9(i)	2	II	Burnt	MRF	9/11/2016	OES	1,37	7,68	8	2,47	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0438	MST	F4	9(i)	2	II	Burnt	MRF	9/11/2016	OES	1,67	6,71	7	1,41	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB0439	MST	F4	9(i)	2	II	Burnt	MRF	9/11/2016	OES	1,58	6,46	6	1,67	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0440	MST	F4	9(i)	2	II	Burnt	MRF	9/11/2016	OES	1,62	5,77	6	1,64	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0441	MST	F4	9(i)	2	II	Burnt	MRF	9/11/2016	OES	1,38	5,7	6	1,93	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0442	MST	F4	9(i)	2	II	Burnt	MRF	9/11/2016	OES	1,3	5,59	6	2,3	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB0443	MST	F4	9(i)	2	II	Burnt	MRF	9/11/2016	OES	1,5	5,06	5	1,45	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0444	MST	F4	9(i)	2	II	Burnt	MRF	9/11/2016	OES	1,47	5,11	5	1,52	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0445	MST	F4	9(i)	2	II	Unburnt	MRF	9/11/2016	OES	1,26	4,95	5	1,08	rounded	complete	cylinder	sphere	not broken in diameter		Either of surfaces damaged	Asymmetrical	1
DB0446	MST	F4	9(i)	2	II	Unburnt	MRF	9/11/2016	OES	1,61	5,09	5	1,02	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0447	MST	F4	9(i)	2	II	Unburnt	MRF	9/11/2016	OES	1,58	4,88	5	1,53	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB0448	MST	F4	9(i)	2	II	Unburnt	MRF	9/11/2016	OES	1,89	4,52	5	1,85	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0449	MST	F4	9(i)	2	II	Unburnt	MRF	9/11/2016	OES	1,07	4,11	4	2,19	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0450	MST	F4	9(i)	2	II	Unburnt	MRF	9/11/2016	OES	1,44	4,07	4	1,32	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0451	MST	F4	9(ii)	2	II	Burnt	MRF	9/11/2016	OES	1,15	5,79	6	1,79	rounded	complete	cylinder	sphere	not broken in diameter		Either of surfaces damaged	Asymmetrical	1
DB0452	MST	F4	9(ii)	2	II	Unburnt	MRF	9/11/2016	OES	1,34	5,39	5	1,75	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1

DB0453	MST	F4	9(ii)	2	II	Burnt	MRF	9/11/2016	OES	5,23	5,26	5	1,78	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0454	MST	F4	9(ii)	2	II	Unburnt	MRF	9/11/2016	OES	0,86	4,85	5	1,9	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0455	MST	F4	9(ii)	2	II	Burnt	MRF	9/11/2016	OES	1,2	4,82	5	1,84	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0456	MST	F4	9(ii)	2	II	Burnt	MRF	9/11/2016	OES	0,94	4,64	5	2,13	rounded	complete	cylinder	sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1

DB0457	MST	F4	10(x)	2	II	Burnt	MRF	10/11/2016	OES	1,88	6,14	6	1,53	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0458	MST	F4	10(x)	2	II	Unburnt	MRF	10/11/2016	OES	1,39	5,67	6	1,4	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0459	MST	F4	10(x)	2	II	Burnt	MRF	10/11/2016	OES	1,41	5,66	6	1,47	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0460	MST	F4	10	2	II	Burnt	MRF	10/11/2016	OES	1,07	5,87	6	2,43	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB0461	MST	F4	10	2	II	Burnt	MRF	10/11/2016	OES	1,28	5,91	6	1,92	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0462	MST	F4	10	2	II	Burnt	MRF	10/11/2016	OES	1,1	5,85	6	2,09	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0463	MST	F4	10	2	II	Burnt	MRF	10/11/2016	OES	1,28	5,83	6	1,42	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0464	MST	F4	10	2	II	Burnt	MRF	10/11/2016	OES	1,18	5,97	6	1,37	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB0 465	M ST	F 4	10	2	II	Burn t	MRF	10/11/ 2016	OE S	1, 05	6,6 4	7	1,7 6	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 466	M ST	F 4	10	2	II	Burn t	MRF	10/11/ 2016	OE S	1, 14	5,7 3	6	1,7 9	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 467	M ST	F 4	10	2	II	Burn t	MRF	10/11/ 2016	OE S	0, 97	5,7 8	6	2,2	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Edge almost symmetr ical	1
DB0 468	M ST	F 4	10	2	II	Unb urnt	MRF	10/11/ 2016	OE S	1, 12	5,6 8	6	1,4 6	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1

DB0 469	M ST	F 4	10	2	II	Burn t	MRF	10/11/ 2016	OE S	1, 2	5,5 7	6	1,4 9	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 470	M ST	F 4	10	2	II	Burn t	MRF	10/11/ 2016	OE S	1, 19	5,5 3	6	2,2 6	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 471	M ST	F 4	10	2	II	Burn t	MRF	10/11/ 2016	OE S	1, 14	5,5 5	6	1,6 3	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 472	M ST	F 4	10	2	II	Burn t	MRF	10/11/ 2016	OE S	1, 13	5,4 4	5	1,8 9	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1

DB0 473	M ST	F 4	10	2	II	Burn t	MRF	10/11/ 2016	OE S	1, 14	5,3 8	5	1,9	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Edge almost symmetr ical	1
DB0 474	M ST	F 4	10	2	II	Burn t	MRF	10/11/ 2016	OE S	1, 05	5,4 3	5	1,5 4	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 475	M ST	F 4	10	2	II	Burn t	MRF	10/11/ 2016	OE S	0, 96	5,2 8	5	1,8 5	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Edge almost symmetr ical	1
DB0 476	M ST	F 4	10	2	II	Burn t	MRF	10/11/ 2016	OE S	1, 17	5,4 9	5	1,3 8	sub-round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1

DB0477	MST	F4	10	2	II	Burnt	MRF	10/11/2016	OES	1,04	5,28	5	2,13	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0478	MST	F4	10	2	II	Burnt	MRF	10/11/2016	OES	0,85	5,21	5	2,14	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0479	MST	F4	10	2	II	Burnt	MRF	10/11/2016	OES	0,89	5,3	5	1,79	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0480	MST	F4	10	2	II	Burnt	MRF	10/11/2016	OES	0,88	5,27	5	2,24	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB0481	MST	F4	10	2	II	Burnt	MRF	10/11/2016	OES	0,76	5,07	5	1,67	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0482	MST	F4	10	2	II	Burnt	MRF	10/11/2016	OES	1,1	5,3	5	1,93	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0483	MST	F4	10	2	II	Burnt	MRF	10/11/2016	OES	0,95	5,34	5	1,39	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0484	MST	F4	10	2	II	Burnt	MRF	10/11/2016	OES	1,01	5,45	5	1,79	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB0485	MST	F4	10	2	II	Burnt	MRF	11/11/2016	OES	0,9	5,52	6	2,18	rounded	complete	cylinder	sphere	broken into a half and more	broken(more than half present)	No damage to layers/thickness of bead	Asymmetrical	1
DB0486	MST	F4	10	2	II	Burnt	MRF	11/11/2016	OES	1,07	5,63	6	2,6	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0487	MST	F4	10	2	II	Burnt	MRF	11/11/2016	OES	1,22	5,25	5	1,95	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0488	MST	F4	10	2	II	Burnt	MRF	11/11/2016	OES	1,16	5,25	5	1,93	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1

DB0489	MST	F4	10	2	II	Burnt	MRF	11/11/2016	OES	1,11	5,05	5	2,3	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0490	MST	F4	10	2	II	Burnt	MRF	11/11/2016	OES	1,01	5,01	5	2,21	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0491	MST	F4	10	2	II	Burnt	MRF	11/11/2016	OES	1,03	5,31	5	1,9	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0492	MST	F4	10	2	II	Burnt	MRF	11/11/2016	OES	1,25	5,27	5	1,72	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1

DB0493	MST	F4	10	2	II	Burnt	MRF	11/11/2016	OES	1,16	5,12	5	1,51	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0494	MST	F4	10	2	II	Burnt	MRF	11/11/2016	OES	1,21	5,14	5	2,06	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0495	MST	F4	10	2	II	Burnt	MRF	11/11/2016	OES	0,86	5,12	5	1,87	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0496	MST	F4	10	2	II	Burnt	MRF	11/11/2016	OES	1,17	5,17	5	1,66	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB0 497	M ST	F 4	10	2	II	Burn t	MRF	11/11/ 2016	OE S	0, 99	5,2 3	5	1,4 7	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 498	M ST	F 4	10	2	II	Burn t	MRF	11/11/ 2016	OE S	1, 04	5,0 3	5	1,7 2	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 499	M ST	F 4	10	2	II	Burn t	MRF	11/11/ 2016	OE S	1, 1	5,0 7	5	1,7 5	round ed	comple te	cylinde r	sphere	broken into a half and more	brokenin half	No damage to layers/thic kness of bead	Asymme trical	1
DB0 500	M ST	F 4	10	2	II	Burn t	MRF	11/11/ 2016	OE S	1, 01	5,0 8	5	2,0 6	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Edge almost symmetr ical	1

DB0501	MST	F4	10	2	II	Burnt	MRF	14/11/2016	OES	1,43	5,01	5	1,65	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0502	MST	F4	10	2	II	Burnt	MRF	14/11/2016	OES	1,01	4,94	5	1,84	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0503	MST	F4	10	2	II	Burnt	MRF	14/11/2016	OES	0,99	4,96	5	2,4	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0504	MST	F4	10	2	II	Burnt	MRF	14/11/2016	OES	1,24	4,92	5	1,53	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB0 505	M ST	F 4	10	2	II	Burn t	MRF	14/11/ 2016	OE S	1, 09	5,1 9	5	1,5 2	round ed	comple te	cylinde r	irregul ar	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB0 506	M ST	F 4	10	2	II	Burn t	MRF	14/11/ 2016	OE S	1, 25	4,9 7	5	1,2 6	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Edge almost symmetr ical	1
DB0 507	M ST	F 4	10	2	II	Burn t	MRF	14/11/ 2016	OE S	1, 05	4,8 3	5	1,8 5	round ed	comple te	cylinde r	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Edge almost symmetr ical	1

NET : Map 4

Excavation	Division	Layer	Raw material	Shape	Number complete	Number fragments	Number	Remarks
TS1	A11	5	OES	Round	1		1	
TS1	A4	3	OES	Round	1		1	
TS1	A7	5	ACH	Round	8	3	11	
TS1	A7	5	OES	Round	2		2	
TS1	A7	4	ACH	Round	5		5	
TS1	A7	4	OES	Round	12		12	
TS1	A7	4	OES	Sub-rounded	1		1	
TS1	A7	3	OES	Round	6		6	2 burnt brown
TS1	A7	3	ACH	Round		1	1	
TS1	A7	3	OES	Angular	1		1	burnt white
TS1	A4	1	OES	Round	2		2	
TS1	A4	2	OES	Round		2	2	separate (don't form a whole bead)
TS1	A4	4	OES	Round	1	1	2	separate (don't form a whole bead)

TS1	A4	5	OES	Round	1	3	4	separate (don't form a whole bead)
TS1	A7	2	OES	Round	1	2	3	separate (don't form a whole bead)
TS1	surface	surface	OES	Round	2	2	4	separate (don't form a whole bead)
TS1	A7	1	OES	Round	5	3	8	

DB0508	MST	F4	10	2	II	Burnt	MRF	14/11/2016	OES	1,12	4,85	5	1,64	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0509	MST	F4	10	2	II	Unburnt	MRF	14/11/2016	OES	1,15	4,74	5	1,83	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	one edge symmetrical	1
DB0510	MST	F4	10	2	II	Burnt	MRF	14/11/2016	OES	1,24	4,74	5	1,47	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0511	MST	F4	10	2	II	Burnt	MRF	14/11/2016	OES	1,23	4,52	5	1,56	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0512	MST	F4	10	2	II	Burnt	MRF	14/11/2016	ACH	0,64	4,35	4	1,41	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1

DB0513	MST	F4	10	2	II	Burnt	MRF	14/11/2016	OES	0,97	4,18	4	1,68	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0514	MST	F4	10	2	II	Burnt	MRF	14/11/2016	OES	1,18	4,67	5	2,07	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0515	MST	H9	1	2	IV	Unburnt	UP Arts	27/03/2017	OES	1,12	11,38	11	2,91	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0516	MST	H9	1	2	IV	Unburnt	UP Arts	27/03/2017	OES	1,53	12,03	12	1,67	Rounded	Complete	Cyllinder	Sphere	broken into a half and more	brokenin half	Inner damaged	Asymmetrical	1
DB0517	MST	H9	1	2	IV	Unburnt	UP Arts	27/03/2017	OES	1,73	11,71	12	2,38	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB0518	MST	H9	1	2	IV	Unburnt	UP Arts	27/03/2017	OES	1,68	11,58	12	2,54	angular	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0519	MST	H9	1	2	IV	Unburnt	UP Arts	27/03/2017	OES	1,41	11,18	11	2,7	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0520	MST	H9	1	2	IV	Burnt	UP Arts	27/03/2017	OES	1,53	10,41	10	1,81	Rounded	Complete	Cyllinder	Oblate	not broken in diameter		Inner damaged	Asymmetrical	1
DB0521	MST	H9	1	2	IV	Unburnt	UP Arts	27/03/2017	OES	1,93	10,1	10	2,49	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0522	MST	H9	1	2	IV	Unburnt	UP Arts	27/03/2017	OES	1,94	9,87	10	3,06	sub-rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0523	MST	H9	1	2	IV	Unburnt	UP Arts	27/03/2017	OES	1,7	10,01	10	2,09	sub-rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0524	MST	H9	1	2	IV	Burnt	UP Arts	27/03/2017	OES	1,35	10,06	10	1,74	sub-rounded	Complete	Cyllinder		not broken in		Inner damaged	Asymmetrical	1

																	diamet er				
DB05 25	MS T	H 9	1	2	IV	Unbu rnt	UP Arts	27/03/ 2017	OE S	1,3 9	9,9 2	1 0	2, 49	Roun ded	Compl ete	Cyllinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB05 26	MS T	H 9	1	2	IV	Unbu rnt	UP Arts	27/03/ 2017	OE S	1,8 8	9,8 3	1 0	2, 26	Roun ded	Compl ete	Cyllinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB05 27	MS T	H 9	1	2	IV	Burnt	UP Arts	27/03/ 2017	OE S	1,0 9	9,4 3	9	2, 51	Roun ded	Compl ete	Cyllinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB05 28	MS T	H 9	1	2	IV	Unbu rnt	UP Arts	27/03/ 2017	OE S	1,4 9	9,7 2	1 0	2, 55	Roun ded	Compl ete	Cyllinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB05 29	MS T	H 9	1	2	IV	Burnt	UP Arts	27/03/ 2017	OE S	1,5	9,3	9	2, 53	Roun ded	Compl ete	Cyllinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB05 30	MS T	H 9	1	2	IV	Burnt	UP Arts	27/03/ 2017	OE S	1,3 1	9,5 7	1 0	2, 07	Roun ded	Compl ete	Cyllinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1

DB0531	MST	H9	1	2	IV	Burnt	UP Arts	27/03/2017	OES	1,35	10,01	10	2,18	angular	Complete	Cyllinder	Oblate	not broken in diameter		Inner damaged	Asymmetrical	1
DB0532	MST	H9	1	2	IV	Burnt	UP Arts	27/03/2017	OES	1,41	9,54	10	1,05	angular	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0533	MST	H9	1	2	IV	Burnt	UP Arts	27/03/2017	OES	1,4	9,24	9	1,9	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0534	MST	H9	1	2	IV	Burnt	UP Arts	27/03/2017	OES	1,29	9,45	9	2,54	angular	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0535	MST	H9	1	2	IV	Unburnt	UP Arts	27/03/2017	OES	1,63	9,65	10	2,01	angular	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0536	MST	H9	1	2	IV	Unburnt	UP Arts	27/03/2017	OES	1,51	9,3	9	1,8	Rounded	Complete	Cyllinder	Sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Bead almost symmetrical	1

DB0537	MST	H9	1	2	IV	Unburnt	UP Arts	27/03/2017	OES	1,59	8,91	9	2,04	angular	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0538	MST	H9	1	2	IV	Unburnt	UP Arts	27/03/2017	OES	1,45	9,07	9	2,28	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0539	MST	H9	1	2	IV	Unburnt	UP Arts	27/03/2017	OES	1,9	9,37	9	2,11	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0540	MST	H9	1	2	IV	Burnt	UP Arts	27/03/2017	OES	1,47	8,96	9	1,84	angular	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0541	MST	H9	1	2	IV	Unburnt	UP Arts	27/03/2017	OES	2,7	8,83	9	1,63	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0542	MST	H9	1	2	IV	Burnt	UP Arts	27/03/2017	OES	1,11	8,67	9	2,51	Rounded	Complete	Cyllinder	Sphere	not broken in		Inner damaged	Asymmetrical	1

																		diameter				
DB0543	MST	H9	1	2	IV	Burnt	UP Arts	27/03/2017	OES	1,21	8,73	9	1,78	angular	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0544	MST	H9	1	2	IV	Burnt	UP Arts	27/03/2017	OES	1,82	8,98	9	1,92	sub-rounded	Complete	Cyllinder	Oblate	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0545	MST	H9	1	2	IV	Burnt	UP Arts	27/03/2017	OES	1,54	7,99	8	2,45	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0546	MST	H9	1	2	IV	Unburnt	UP Arts	27/03/2017	OES	1,73	8,16	8	1,43	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0547	MST	H9	1	2	IV	Burnt	UP Arts	27/03/2017	OES	1,39	8,54	9	1,34	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0548	MST	H9	1	2	IV	Burnt	UP Arts	24/03/2017	OES	1,29	8,99	9	2,46	Rounded	Complete	Cyllinder	Sphere	broken into a half and more	brokenin half	Inner damaged	Asymmetrical	1

DB0549	MST	H9	1	2	IV	Burnt	UP Arts	24/03/2017	OES	1,38	8,45	8	1,82	Rounded	Complete	Cyllinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB0550	MST	H9	1	2	IV	Unburnt	UP Arts	24/03/2017	OES	1,93	8,49	8	0,81	angular	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0551	MST	H9	1	2	IV	Burnt	UP Arts	27/03/2017	OES	1,52	8,55	9	1,53	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0552	MST	H9	1	2	IV	Unburnt	UP Arts	27/03/2017	OES	1,68	8,06	8	1,79	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0553	MST	H9	1	2	IV	Unburnt	UP Arts	27/03/2017	OES	1,48	8,3	8	2,22	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0554	MST	H9	1	2	IV	Unburnt	UP Arts	27/03/2017	OES	1,18	9,03	9	2,35	Rounded	Complete	Cyllinder	Sphere	not broken in diameter	brokenin half and corner chipperd off	Inner damaged	Asymmetrical	1

DB0555	MST	H9	1	2	IV	Burnt	UP Arts	28/03/2017	OES	2,97	0,96	1	1,07	angular	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0556	MST	H9	1	2	IV	Unburnt	UP Arts	28/03/2017	OES	1,78	7,76	8	0,93	angular	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0557	MST	H9	1	2	IV	Burnt	UP Arts	28/03/2017	OES	1,4	7,96	8	1,89	angular	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0558	MST	H9	1	2	IV	Burnt	UP Arts	28/03/2017	OES	1,41	6,98	7	2,02	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0559	MST	H9	1	2	IV	Burnt	UP Arts	28/03/2017	OES	1,36	6,75	7	1,41	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0560	MST	H9	1	2	IV	Unburnt	UP Arts	28/03/2017	OES	1,31	6,48	6	2,62	Rounded	Complete	Cyllinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1

DB0561	MST	H9	1	2	IV	Unburnt	UP Arts	28/03/2017	OES	1,75	5,91	6	1,91	Rounded	Complete	Cyllinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1
DB0562	MST	H9	1	2	IV	Unburnt	UP Arts	28/03/2017	OES	1,29	5,87	6	2,01	Rounded	Complete	Cyllinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB0563	MST	H9	1	2	IV	Unburnt	UP Arts	28/03/2017	OES	1,36	5,65	6	1,85	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0564	MST	H9	1	2	IV	Unburnt	UP Arts	28/03/2017	OES	1,29	5,53	6	1,67	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1

DB0565	MST	H9	1	2	IV	Unburnt	UP Arts	28/03/2017	OES	1,39	5,28	5	2,28	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0566	MST	H9	1	2	IV	Unburnt	UP Arts	28/03/2017	OES	1,09	5,16	5	2,51	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0567	MST	H9	1	2	IV	Unburnt	UP Arts	28/03/2017	OES	1,72	4,72	5	1,39	sub-rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0568	MST	H9	1	2	IV	Unburnt	UP Arts	28/03/2017	OES	1,08	4,13	4	1,59	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB0569	MST	H9	1	2	IV	Unburnt	UP Arts	28/03/2017	OES	1,28	3,86	4	1,22	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0570	MST	H9	1	2	IV	Unburnt	UP Arts	28/03/2017	OES	1,24	3,49	3	1,15	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0571	MST	H9	1	2	IV	Burnt	UP Arts	28/03/2017	OES	1,18	6,81	7	1,75	Rounded	Complete	Cyllinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB0572	MST	H9	1	2	IV	Unburnt	UP Arts	28/03/2017	OES	1,83	7,03	7	2,17	angular	Complete	Cyllinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1
DB0573	MST	H9	1	2	IV	Unburnt	UP Arts	28/03/2017	OES	1,37	6,9	7	2,06	Rounded	Complete	Cyllinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1

DB0574	MST	H9	1	2	IV	Unburnt	UP Arts	28/03/2017	OES	1,3	6,65	7	2,58	Rounded	Complete	Cyllinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1
DB0575	MST	H9	1	2	IV	Burnt	UP Arts	27/03/2017	OES	1,63	8,62	9	2,63	Rounded	Complete	Cyllinder	Sphere	broken into a half and more		Inner damaged	Asymmetrical	1
DB0576	MST	H9	1	2	IV	Burnt	UP Arts	27/03/2017	OES	1,24	7,78	8	1,75	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0577	MST	H9	1	2	IV	Unburnt	UP Arts	28/03/2017	OES	1,21	8,4	8	2,93	Rounded	Complete	Cyllinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1
DB0578	MST	H9	1	2	IV	Unburnt	UP Arts	28/03/2017	OES	1,76	8,85	9	1,67	Rounded	Complete	Cyllinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB0579	MST	H9	1	2	IV	Burnt	Mapungubwe Research Facility	42926	OES	1,55	11,34	11	2,13	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	Inner damaged	Asymmetrical	1

DB05 80	MS T	H 9	1	2	IV	Unbu rnt	Mapung ubwe Research Facility	42926	OE S	1,2 1	7,8	8	1, 66	Roun ded	Compl ete	Cylinde r	Sphere	broken into less than a half		Inner damaged	Asymme trical	1
DB05 81	MS T	H 9	1	2	IV	Burnt	Mapung ubwe Research Facility	42926	OE S	1,5 2	8,1 1	8	2, 2	Roun ded	Compl ete	Cylinde r	Sphere	broken into a half and more	Broken into more than half	Inner damaged	Asymme trical	1
DB05 82	MS T	H 9	1	2	IV	Burnt	Mapung ubwe Research Facility	42926	OE S	1,1	7,1 6	7	2, 31	Roun ded	Compl ete	Cylinde r	Sphere	broken into a half and more	Broken in half	Inner damaged	Edge almost symmetr ical	1
DB05 83	MS T	H 9	1	2	IV	Unbu rnt	UP Arts Museum	42926	OE S	1	6,6 9	7	3, 17	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB05 84	MS T	H 9	2	2	IV	Burnt	UP Arts	28/03/ 2017	OE S	1,8 3	13, 04	1 3	2, 61	Roun ded	Compl ete	Cyllinde r	Sphere	broken into a half and more		Inner damaged	Asymme trical	1
DB05 85	MS T	H 9	2	2	IV	Burnt	UP Arts	28/03/ 2017	OE S	1,2 3	11, 72	1 2	2, 19	Roun ded	Compl ete	Cyllinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1

DB0586	MST	H9	2	2	IV	Unburnt	UP Arts	28/03/2017	OES	1,95	11,43	11	2,46	sub-rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0587	MST	H9	2	2	IV	Unburnt	UP Arts	28/03/2017	OES	1,84	11,22	11	1,96	sub-rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0588	MST	H9	2	2	IV	Burnt	UP Arts	28/03/2017	OES	1,4	11,93	12	2,55	Rounded	Complete	Cyllinder	Sphere	broken into a half and more		Inner damaged	Asymmetrical	1
DB0589	MST	H9	2	2	IV	Unburnt	UP Arts	28/03/2017	OES	1,82	11,07	11	1,78	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0590	MST	H9	2	2	IV	Burnt	UP Arts	28/03/2017	OES	1,39	10,98	11	2,58	Rounded	Complete	Cyllinder	Sphere	broken into a half and more		Inner damaged	Asymmetrical	1
DB0591	MST	H9	2	2	IV	Burnt	UP Arts	28/03/2017	OES	1,57	10,13	10	1,29	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB0592	MST	H9	2	2	IV	Unburnt	UP Arts	28/03/2017	OES	1,85	10,61	11	2,37	Rounded	Complete	Cyllinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1
DB0593	MST	H9	2	2	IV	Unburnt	UP Arts	28/03/2017	OES	1,27	10,1	10	2,36	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1
DB0594	MST	H9	2	2	IV	Burnt	UP Arts	28/03/2017	OES	1,13	8,87	9	2,31	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0595	MST	H9	2	2	IV	Burnt	UP Arts	28/03/2017	OES	1,65	10,11	10	1,88	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0596	MST	H9	2	2	IV	Burnt	UP Arts	28/03/2017	OES	1,4	9,68	10	2,3	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1
DB0597	MST	H9	2	2	IV	Unburnt	UP Arts	28/03/2017	OES	1,75	10,37	10	1,53	sub-rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB0598	MST	H9	2	2	IV	Unburnt	UP Arts	28/03/2017	OES	1,78	9,88	10	1,86	sub-rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0599	MST	H9	2	2	IV	Burnt	UP Arts	28/03/2017	OES	1,45	9,86	10	1,35	sub-rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0600	MST	H9	2	2	IV	Burnt	UP Arts	28/03/2017	OES	1,31	9,45	9	3,04	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0601	MST	H9	2	2	IV	Burnt	UP Arts	28/03/2017	OES	1,46	9,47	9	1,87	sub-rounded	Complete	Cyllinder	Sphere	broken into a half and more		Inner damaged	Asymmetrical	1
DB0602	MST	H9	2	2	IV	Burnt	UP Arts	28/03/2017	OES	1,99	9,4	9	1,93	angular	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0603	MST	H9	2	2	IV	Burnt	UP Arts	28/03/2017	OES	1,46	9,04	9	1,59	angular	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB0604	MST	H9	2	2	IV	Unburnt	UP Arts	28/03/2017	OES	1,89	8,93	9	2,21	sub-rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0605	MST	H9	2	2	IV	Unburnt	UP Arts	28/03/2017	OES	1,58	9,19	9	2,1	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0606	MST	H9	2	2	IV	Unburnt	UP Arts	28/03/2017	OES	1,16	8,98	9	2,37	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0607	MST	H9	2	2	IV	Burnt	UP Arts	28/03/2017	OES	1,48	9,26	9	2,16	sub-rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0608	MST	H9	2	2	IV	Unburnt	UP Arts	28/03/2017	OES	1,48	9,2	9	1,66	angular	Complete	Cyllinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1

DB0609	MST	H9	2	2	IV	Unburnt	UP Arts	28/03/2017	OES	1,43	8,79	9	2,69	Rounded	Complete	Cyllinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0610	MST	H9	2	2	IV	Unburnt	UP Arts	28/03/2017	OES	1,08	8,8	9	3,14	Rounded	Complete	Cyllinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1
DB0611	MST	H9	2	2	IV	Burnt	UP Arts	28/03/2017	OES	1,28	9,33	9	2,05	Rounded	Complete	Cyllinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB0612	MST	H9	2	2	IV	Unburnt	UP Arts	28/03/2017	OES	1,54	9,08	9	1,91	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0613	MST	H9	2	2	IV	Unburnt	UP Arts	28/03/2017	OES	1,93	9,08	9	1,58	angular	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0614	MST	H9	2	2	IV	Burnt	UP Arts	28/03/2017	OES	1,28	8,79	9	2,48	angular	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB0615	MST	H9	2	2	IV	Unburnt	UP Arts	28/03/2017	OES	1,36	8,8	9	2,1	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0616	MST	H9	2	2	IV	Burnt	UP Arts	28/03/2017	OES	1,22	8,56	9	2,22	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0617	MST	H9	2	2	IV	Unburnt	UP Arts	28/03/2017	OES	1,84	8,6	9	1,99	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0618	MST	H9	2	2	IV	Unburnt	UP Arts	28/03/2017	OES	1,64	8,63	9	1,93	sub-rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0619	MST	H9	2	2	IV	Burnt	UP Arts	28/03/2017	OES	1,29	8,36	8	2,1	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0620	MST	H9	2	2	IV	Burnt	UP Arts	28/03/2017	OES	1,24	8,08	8	1,64	sub-rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB0621	MST	H9	2	2	IV	Burnt	UP Arts	28/03/2017	OES	1,16	8,06	8	5,	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1
DB0622	MST	H9	2	2	IV	Burnt	UP Arts	28/03/2017	OES	1,42	8,05	8	1,8	sub-rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0623	MST	H9	2	2	IV	Burnt	UP Arts	28/03/2017	OES	1,58	8,08	8	2,13	sub-rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0624	MST	H9	2	2	IV	Burnt	UP Arts	29/03/2017	OES	1,24	8,32	8	1,71	angular	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0625	MST	H9	2	2	IV	Burnt	UP Arts	29/03/2017	OES	1,4	7,18	7	1,84	angular	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0626	MST	H9	2	2	IV	Burnt	UP Arts	29/03/2017	OES	1,27	8,21	8	1,59	Rounded	Complete	Cyllinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB0627	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,63	8,43	8	1,48	Rounded	Complete	Cyllinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1
DB0628	MST	H9	2	2	IV	Burnt	UP Arts	29/03/2017	OES	1,49	8,12	8	1,95	Rounded	Complete	Cyllinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1

DB0629	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,43	8,06	8	2,26	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0630	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,1	7,66	8	2,69	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1
DB0631	MST	H9	2	2	IV	Burnt	UP Arts	29/03/2017	OES	1,4	7,57	8	1,67	sub-rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0632	MST	H9	2	2	IV	Burnt	UP Arts	29/03/2017	OES	1,31	7,46	7	2,12	sub-rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0633	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,29	7,29	7	2,14	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0634	MST	H9	2	2	IV	Burnt	UP Arts	29/03/2017	OES	1,42	7,57	8	1,57	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0635	MST	H9	2	2	IV	Burnt	UP Arts	29/03/2017	OES	1,47	7,52	8	1,91	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB0636	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,78	7,84	8	2,27	Rounded	Complete	Cyllinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB0637	MST	H9	2	2	IV	Burnt	UP Arts	29/03/2017	OES	1,48	7,59	8	0,98	angular	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0638	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,51	7,41	7	1,94	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0639	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,52	7,55	8	1,12	sub-rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0640	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,24	7,41	7	1,95	Rounded	Complete	Cyllinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1

DB0641	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,56	7,36	7	1,68	Rounded	Complete	Cyllinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB0642	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,81	7,53	8	1,96	sub-rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0643	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,44	7,13	7	1,86	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0644	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,74	7,16	7	2,	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB0645	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,52	6,97	7	1,2	angular	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0646	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,4	7,11	7	1,95	Rounded	Complete	Cyllinder	Irregular	not broken in diameter		Inner damaged	Asymmetrical	1
DB0647	MST	H9	2	2	IV	Burnt	UP Arts	29/03/2017	OES	1,35	6,76	7	0,89	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0648	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,77	6,88	7	1,45	angular	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0649	MST	H9	2	2	IV	Burnt	UP Arts	29/03/2017	OES	1,38	6,8	7	1,68	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0650	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,69	6,95	7	1,57	angular	Complete	Cyllinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1

DB0651	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,62	6,68	7	2,74	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0652	MST	H9	2	2	IV	Burnt	UP Arts	29/03/2017	OES	1,39	6,41	6	1,64	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0653	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,45	6,63	7	1,37	Rounded	Complete	Cyllinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1
DB0654	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,38	6,44	6	1,67	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0655	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,47	6,29	6	1,95	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB0656	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,47	5,93	6	2,23	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0657	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,66	5,98	6	1,43	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0658	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,64	5,95	6	1,74	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0659	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,45	5,93	6	1,29	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB0660	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,18	5,69	6	2,39	Rounded	Complete	Cyllinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0661	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,56	5,72	6	1,37	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0662	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,48	5,69	6	1,9	Rounded	Complete	Cyllinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1
DB0663	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,21	5,57	6	2,5	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB0664	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,79	5,7	6	1,13	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0665	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,71	5,51	6	1,98	Rounded	Complete	Cyllinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1
DB0666	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,49	5,72	6	1,19	Rounded	Complete	Cyllinder	Oblate	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0667	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,57	5,66	6	2,	Rounded	Complete	Cyllinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1

DB0668	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	ACH	1,21	5,54	6	0,75	Rounded	Complete	Cyllinder	Irregular	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0669	MST	H9	2	2	IV	Burnt	UP Arts	29/03/2017	OES	1,14	5,3	5	1,8	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0670	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,84	5,15	5	1,35	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0671	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,19	5,42	5	1,61	Rounded	Complete	Cyllinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB0672	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,16	5,01	5	2,5	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1

DB0673	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	0,97	5,07	5	2,58	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0674	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,33	5,1	5	1,46	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0675	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,16	5,09	5	1,88	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0676	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	ACH	0,81	4,9	5	1,09	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1

DB0677	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,24	5,09	5	1,47	Rounded	Complete	Cyllinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1
DB0678	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,37	4,97	5	1,02	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0679	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,64	4,96	5	1,42	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0680	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,24	4,75	5	1,63	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1

DB0681	MST	H9	2	2	IV	Burnt	UP Arts	29/03/2017	OES	1,33	4,88	5	2,02	Rounded	Complete	Cyllinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1
DB0682	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,44	4,87	5	2,16	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0683	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	2,04	4,81	5	1,7	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0684	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,17	4,4	4	1,72	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB0685	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,64	4,54	5	0,87	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0686	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,07	4,69	5	1,41	Rounded	Complete	Cyllinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0687	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,7	4,49	4	1,2	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0688	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,56	4,29	4	1,17	Rounded	Complete	Cyllinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1

DB0689	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,65	4,53	5	1,05	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0690	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,5	4,19	4	1,08	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0691	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,2	4,19	4	1,	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0692	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,22	3,43	3	1,3	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB0693	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,95	12,42	12	2,27	sub-rounded	Complete	Cyllinder		not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0694	MST	H9	2	2	IV	Burnt	UP Arts	29/03/2017	OES	1,33	11,59	12	2,85	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1
DB0695	MST	H9	2	2	IV	Burnt	UP Arts	29/03/2017	OES	1,43	11,26	11	2,29	Rounded	Complete	Cyllinder	Sphere	broken into a half and more		Inner damaged	Asymmetrical	1
DB0696	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,77	11,27	11	2,11	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0697	MST	H9	2	2	IV	Burnt	UP Arts	29/03/2017	OES	1,39	11,03	11	2,6	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0698	MST	H9	2	2	IV	Burnt	UP Arts	29/03/2017	OES	1,86	11,67	12	2,26	Rounded	Complete	Cyllinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1

DB0699	MST	H9	2	2	IV	Burnt	UP Arts	29/03/2017	OES	1,68	10,43	10	2,1	angular	Complete	Cyllinder	Sphere	broken into a half and more		Inner damaged	Asymmetrical	1
DB0700	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,81	11,13	11	1,5	angular	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0701	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017	OES	1,73	10,58	11	2,05	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0702	MST	H9	2	2	IV	Burnt	UP Arts	29/03/2017	OES	1,47	10,58	11	1,9	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0703	MST	H9	2	2	IV	Unburnt	UP Arts	29/03/2017		1,66	10,28	10	2,11	Rounded	Complete	Cyllinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0704	MST	H9	2	2	IV	Burnt	UP Arts	30/03/2017	OES	1,52	11,29	11	1,85	sub-rounded	Complete	Cyllinder	Sphere	broken into a half and more		Inner damaged	Asymmetrical	1
DB0705	MST	H9	2	2	IV	Burnt	UP Arts	30/03/2017	OES	1,48	11,62	12	2,35	Rounded	Complete	Cyllinder	Sphere	broken into less		Inner damaged	Asymmetrical	1

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DB0706	MST	H9	2	2	IV	Unburnt	UP Arts	30/03/2017	OES	1,57	10,65	11	2,83	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0707	MST	H9	2	2	IV	Burnt	UP Arts	30/03/2017	OES	1,62	8,75	9	1,83	Rounded	Complete	Cyllinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB0708	MST	H9	2	2	IV	Burnt	UP Arts	30/03/2017	OES	1,48	10,24	10	2,09	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0709	MST	H9	2	2	IV	Unburnt	UP Arts	30/03/2017	OES	1,76	10,47	10	2,42	angular	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0710	MST	H9	2	2	IV	Unburnt	UP Arts	30/03/2017	OES	1,77	9,83	10	1,56	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB0711	MST	H9	2	2	IV	Burnt	UP Arts	30/03/2017	OES	1,74	9,6	10	2,14	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1
DB0712	MST	H9	2	2	IV	Unburnt	UP Arts	30/03/2017	OES	1,91	9,73	10	1,61	angular	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0713	MST	H9	2	2	IV	Burnt	UP Arts	30/03/2017	OES	9,86	1,4	1	2,39	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0714	MST	H9	2	2	IV	Burnt	UP Arts	30/03/2017	OES	1,41	9,84	10	2,54	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0715	MST	H9	2	2	IV	Burnt	UP Arts	30/03/2017	OES	1,62	9,5	10	1,61	Rounded	Complete	Cyllinder	Sphere	Broken into less than half		Inner damaged	Asymmetrical	1
DB0716	MST	H9	2	2	IV	Burnt	UP Arts	30/03/2017	OES	1,17	9,5	10	2,65	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1
DB0717	MST	H9	2	2	IV	Burnt	UP Arts	30/03/2017	OES	1,4	9,93	10	2,25	angular	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB0718	MST	H9	2	2	IV	Unburnt	UP Arts	30/03/2017	OES	1,65	9,75	10	1,71	Rounded	Complete	Cyllinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB0719	MST	H9	2	2	IV	Burnt	UP Arts	30/03/2017	OES	1,87	9,37	9	1,38	sub-rounded	Complete	Cyllinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1
DB0720	MST	H9	2	2	IV	Unburnt	UP Arts	30/03/2017	OES	1,43	9,05	9	2,64	Rounded	Complete	Cyllinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1
DB0721	MST	H9	2	2	IV	Burnt	UP Arts	30/03/2017	OES	1,48	9,63	10	2,18	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0722	MST	H9	2	2	IV	Burnt	UP Arts	30/03/2017	OES	1,02	9,79	10	2,12	angular	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB0723	MST	H9	2	2	IV	Unburnt	UP Arts	30/03/2017	OES	1,89	9,36	9	2,3	sub-rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0724	MST	H9	2	2	IV	Unburnt	UP Arts	30/03/2017	OES	1,88	9,54	10	2,26	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0725	MST	H9	2	2	IV	Burnt	UP Arts	30/03/2017	OES	1,26	9,53	10	2,69	Rounded	Complete	Cyllinder	Sphere	broken into a half and more		Inner damaged	Asymmetrical	1
DB0726	MST	H9	2	2	IV	Burnt	UP Arts	30/03/2017	OES	1,48	9,76	10	2,53	sub-rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0727	MST	H9	2	2	IV	Burnt	UP Arts	30/03/2017	OES	1,67	9,21	9	1,83	angular	Complete	Cyllinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1

DB0728	MST	H9	2	2	IV	Unburnt	UP Arts	30/03/2017	OES	1,86	9,5	10	2,64	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0729	MST	H9	2	2	IV	Burnt	UP Arts	30/03/2017	OES	1,44	9,28	9	2,02	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0730	MST	H9	2	2	IV	Unburnt	UP Arts	30/03/2017	OES	1,67	9,23	9	2,57	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0731	MST	H9	2	2	IV	Burnt	UP Arts	30/03/2017	OES	1,67	8,83	9	2,62	sub-rounded	Complete	Cyllinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1
DB0732	MST	H9	2	2	IV	Unburnt	UP Arts	30/03/2017	OES	1,65	8,8	9	2,55	Rounded	Complete	Cyllinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1

DB0733	MST	H9	2	2	IV	Unburnt	UP Arts	30/03/2017	OES	1,73	8,89	9	1,78	angular	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0734	MST	H9	2	2	IV	Unburnt	UP Arts	30/03/2017	OES	1,58	9,01	9	2,4	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0735	MST	H9	2	2	IV	Unburnt	UP Arts	30/03/2017	OES	1,81	8,99	9	1,82	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0736	MST	H9	2	2	IV	Burnt	UP Arts	30/03/2017	OES	1,15	9,03	9	2,14	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1
DB0737	MST	H9	2	2	IV	Burnt	UP Arts	30/03/2017	OES	1,46	8,99	9	2,12	Rounded	Complete	Cyllinder	Sphere	broken into a half and more		Outer damaged	Asymmetrical	1
DB0738	MST	H9	2	2	IV	Burnt	UP Arts	30/03/2017	OES	1,45	8,68	9	2,58	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB07 39	MS T	H 9	2	2	IV	Burnt	UP Arts	30/03/ 2017	OE S	1,5 2	8,8 7	9	1, 33	angul ar	Compl ete	Cyllinde r		Part of side broken off		Inner damaged	Asymme trical	1
DB07 40	MS T	H 9	2	2	IV	Burnt	UP Arts	30/03/ 2017	OE S	1,7 8	8,1 4	8	2, 05	Roun ded	Compl ete	Cyllinde r	Sphere	broken into a half and more		No damage to layers/thic kness of bead	Asymme trical	1
DB07 41	MS T	H 9	2	2	IV	Unbu rnt	UP Arts	30/03/ 2017	OE S	1,8 1	8,6 1	9	1, 7	Roun ded	Compl ete	Cyllinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Bead almost symmetr ical	1
DB07 42	MS T	H 9	2	2	IV	Burnt	UP Arts	30/03/ 2017	OE S	1,3 6	8,6 4	9	1, 49	sub- round ed	Compl ete	Cyllinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB07 43	MS T	H 9	2	2	IV	Burnt	UP Arts	30/03/ 2017	OE S	1,9	8,2 8	8	1, 9	angul ar	Compl ete	Cyllinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB07 44	MS T	H 9	2	2	IV	Burnt	UP Arts	30/03/ 2017	OE S	1,2 9	8,9 1	9	1, 76	Roun ded	Compl ete	Cyllinde r	Sphere	broken into less than a half		Inner damaged	Asymme trical	1

DB0745	MST	H9	2	2	IV	Burnt	UP Arts	30/03/2017	OES	1,71	8,42	8	2,34	angular	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0746	MST	H9	2	2	IV	Burnt	UP Arts	30/03/2017	OES	1,5	8,5	9	2,18	Rounded	Complete	Cyllinder	Somewhat triangular	not broken in diameter		Inner damaged	Asymmetrical	1
DB0747	MST	H9	2	2	IV	Unburnt	UP Arts	30/03/2017	OES	1,36	8,04	8	2,75	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0748	MST	H9	2	2	IV	Burnt	UP Arts	30/03/2017	OES	1,33	8,79	9	0,79	sub-rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0749	MST	H9	2	2	IV	Unburnt	UP Arts	30/03/2017	OES	1,7	8,14	8	2,14	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0750	MST	H9	2	2	IV	Burnt	UP Arts	30/03/2017	OES	1,47	8,64	9	1,18	angular	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB0751	MST	H9	2	2	IV	Burnt	UP Arts	30/03/2017	OES	1,5	8,5	9	1,88	sub-rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0752	MST	H9	2	2	IV	Unburnt	UP Arts	30/03/2017	OES	1,24	8,1	8	2,46	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0753	MST	H9	2	2	IV	Burnt	UP Arts	30/03/2017	OES	1,41	8,73	9	2,27	angular	Complete	Cyllinder	Oblate	not broken in diameter		Inner damaged	Asymmetrical	1
DB0754	MST	H9	2	2	IV	Burnt	UP Arts	30/03/2017	OES	1,19	7,76	8	2,47	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0755	MST	H9	2	2	IV	Burnt	UP Arts	30/03/2017	OES	1,39	8	8	1,78	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0756	MST	H9	2	2	IV	Burnt	UP Arts	30/03/2017	OES	1,45	8,18	8	1,73	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0757	MST	H9	2	2	IV	Unburnt	UP Arts	30/03/2017	OES	1,7	8,05	8	1,65	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0758	MST	H9	2	2	IV	Burnt	UP Arts	30/03/2017	OES	1,44	7,9	8	1,54	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB07 59	MS T	H 9	2	2	IV	Unbu rnt	UP Arts	30/03/ 2017	OE S	2,1	7,7 3	8	1, 96	angul ar	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB07 60	MS T	H 9	2	2	IV	Burnt	Mapung ubwe Research Facility	42927	OE S	1,4 1	9,7	1 0	1, 73	Roun ded	Compl ete	Cylinde r	Sphere	broken into a half and more	Broken in half	Inner damaged	Asymme trical	1
DB07 61	MS T	H 9	2	2	IV	Unbu rnt	Mapung ubwe Research Facility	42927	OE S	1,6	9,3 1	9	2, 25	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB07 62	MS T	I9	3	2	IV	Burnt	MRF/UP Arts	42829	OE S	1,9 1	9,6 2	1 0	2, 27	sub-round ed	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB07 63	MS T	I9	3	2	IV	Unbu rnt	MRF/UP Arts	42829	OE S	1,7 9	9,6 1	1 0	1, 28	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB07 64	MS T	I9	3	2	IV	Burnt	MRF/UP Arts	42829	OE S	1,3 9	9,4 8	9	1, 72	sub-round ed	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1

DB0765	MST	I9	3	2	IV	Burnt	MRF/UP Arts	42829	OES	1,55	9,43	9	1,96	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0766	MST	I9	3	2	IV	Burnt	MRF/UP Arts	42829	OES	1,65	9,68	10	2,1	Rounded	Complete	Cylinder	Sphere	broken into a half and more	part of side broken off	Inner damaged	Asymmetrical	1
DB0767	MST	I9	3	2	IV	Unburnt	MRF/UP Arts	42829	OES	1,71	9,39	9	2,73	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0768	MST	I9	3	2	IV	Unburnt	MRF/UP Arts	42829	OES	1,89	9,53	10	1,16	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0769	MST	I9	3	2	IV	Burnt	MRF/UP Arts	42829	OES	1,54	10,79	11	2,87	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Both of surfaces damaged	Asymmetrical	1
DB0770	MST	I9	3	2	IV	Burnt	MRF/UP Arts	42829	OES	1,73	10,26	10	2,7	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0771	MST	I9	3	2	IV	Burnt	MRF/UP Arts	42829	OES	1,45	10,13	10	2,32	Rounded	Complete	Cylinder	Sphere	not broken in		Inner damaged	Asymmetrical	1

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DB07 72	MS T	I9	3	2	IV	Burnt	MRF/UP Arts	42829	OE S	1,3 1	10, 06	1 0	2, 19	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB07 73	MS T	I9	3	2	IV	Burnt	MRF/UP Arts	42829	OE S	1,3 7	9,9 8	1 0	2	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB07 74	MS T	I9	3	2	IV	Burnt	MRF/UP Arts	42829	OE S	1,4 9	9,6 1	1 0	1, 52	sub-round ed	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB07 75	MS T	I9	3	2	IV	Burnt	MRF/UP Arts	42829	OE S	1,8 8	10, 66	1 1	2, 32	angul ar	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB07 76	MS T	I9	3	2	IV	Unbu rnt	MRF/UP Arts	42829	OE S	1,6 9	10, 16	1 0	2, 31	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB07 77	MS T	I9	5	2	IV	Unbu rnt	MRF	23/11/ 2016	OE S	1,6 2	10, 56	1 1	2, 35	round ed	compl ete	cylinder	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1

DB0778	MST	I9	5	2	IV	Unburnt	MRF	23/11/2016	OES	1,54	9,88	10	1,78	sub-rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0779	MST	I9	5	2	IV	Unburnt	MRF	23/11/2016	OES	1,7	9,58	10	1,94	sub-rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0780	MST	I9	5	2	IV	Burnt	MRF	23/11/2016	OES	1,99	9,64	10	2,12	angular	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0781	MST	I9	5	2	IV	Unburnt	MRF	23/11/2016	OES	1,64	8,09	8	1,89	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB0782	MST	I9	5	2	IV	Unburnt	MRF	23/11/2016	OES	1,16	5,75	6	1,92	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1

DB0783	MST	I9	6 (test trench)	2	IV?	Unburnt	MRF	22/11/2016	OES	1,54	9,9	10	2,68	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB0784	MST	I9	6 (test trench)	2	IV?	Unburnt	MRF	22/11/2016	OES	1,53	8,03	8	2,74	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB0785	MST	I9	6 (test trench)	2	IV?	Unburnt	MRF	22/11/2016	OES	1,5	7,46	7	2,95	rounded	complete	rectangular on one side and triangular point at other, but may be considered a cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0786	MST	I9	6 (test trench)	2	IV?	Unburnt	MRF	22/11/2016	OES	1,41	7,29	7	2,69	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	Inner damaged	Asymmetrical	1

DB0787	MST	I9	6 (test trench)	2	IV?	Unburnt	MRF	22/11/2016	OES	1,58	5,91	6	2,27	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0788	MST	I9	6 (test trench)	2	IV?	Unburnt	MRF	22/11/2016	OES	1,69	5,68	6	1,95	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Edge almost symmetrical	1
DB0789	MST	I9	6 (test trench)	2	IV?	Unburnt	MRF	22/11/2016	OES	0,92	5,64	6	1,2	sub-rounded	complete	cylinder	sphere	broken into a half and more	sides broken off	No damage to layers/thickness of bead	Asymmetrical	1
DB0790	MST	I9	6 (test trench)	2	IV?	Unburnt	MRF	22/11/2016	OES	1,34	5,44	5	1,78	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0791	MST	I9	6 (test trench)	2	IV?	Unburnt	MRF	22/11/2016	OES	1,44	5,4	5	2,31	rounded	complete	cylinder	sphere	broken into a half and more	broken(more than half present)	No damage to layers/thickness of bead	Asymmetrical	1

DB0792	MST	I9	6 (test trench)	2	IV?	Unburnt	MRF	22/11/2016	OES	1,35	5,39	5	2,11	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0793	MST	I9	6 (test trench)	2	IV?	Burnt	MRF	22/11/2016	OES	1,48	5,05	5	1,23	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0794	MST	I9	6	2	IV?	Unburnt	MRF	22/11/2016	OES	1,6	9,48	9	2,51	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0795	MST	I9	6	2	IV?	Unburnt	MRF	23/11/2016	OES	1,74	7,09	7	1,65	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB0796	MST	I9	6	2	IV?	Unburnt	MRF	23/11/2016	OES	1,49	6,03	6	1,93	angular	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB0797	MST	I9	6	2	IV?	Unburnt	MRF	23/11/2016	ACH	0,73	4,2	4	0,75	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0798	MST	I9	6	2	IV?	Unburnt	Mapungubwe Research Facility	42926	OES	1,55	11	11	3,15	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	No damage to layers/thickness of bead	Asymmetrical	1
DB0799	MST	I9	6	2	IV?	Burnt	UP Arts Museum	42926	OES	1,24	8,04	8	1,94	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0800	MST	I9	6	2	IV?	Unburnt	Mapungubwe Research Facility	42926	OES	1,77	7,2	7	0,68	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB0801	MST	I9	6	2	IV?	Unburnt	Mapungubwe Research Facility	42926	OES	1,24	6,29	6	1,88	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0802	MST	I9	6	2	IV?	Unburnt	Mapungubwe Research Facility	42926	OES	1,54	6,08	6	2,05	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0803	MST	I9	6	2	IV?	Unburnt	Mapungubwe Research Facility	42926	ACH	1,17	5,88	6	1,95	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB0804	MST	I9	6	2	IV?	Unburnt	Mapungubwe Research Facility	42926	OES	1,55	5,71	6	2,09	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken into two thirds	No damage to layers/thickness of bead	Asymmetrical	1

DB0805	MST	I9	6	2	IV?	Unburnt	Mapungubwe Research Facility	42926	OES	1,03	5,35	5	1,57	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB0806	MST	I9	6	2	IV?	Unburnt	Mapungubwe Research Facility	42926	OES	1,62	5,55	6	1,31	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0807	MST	I9	6	2	IV?	Unburnt	Mapungubwe Research Facility	42926	ACH	1,7	5,45	5	1,13	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0808	MST	I9	6	2	IV?	Unburnt	Mapungubwe Research Facility	42926	OES	1,76	4,18	4	1,55	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1

DB0809	MST	I10	2	2	IV	Burnt	Mapungubwe Research Facility	42927	OES	1,8	10,49	10	2,34	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0810	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42829	OES	2,06	10,68	11	1,99	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0811	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42829	OES	2,06	9,36	9	2,39	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0812	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42829	OES	1,75	10,23	10	1,65	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0813	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42829	OES	1,42	10,28	10	1,48	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB0814	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42829	OES	1,85	9,24	9	2,06	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0815	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42829	OES	1,27	7,9	8	2,68	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0816	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42829	OES	1,4	8,38	8	2,64	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1
DB0817	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42829	OES	1,31	7,95	8	2,56	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0818	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42829	OES	1,57	10,2	10	2,17	angular	Complete	Cylinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1

DB0819	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42829	OES	1,93	10	10	2,51	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0820	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42829	OES	1,52	10,62	11	2,18	Rounded	Complete	Cylinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB0821	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42829	OES	1,43	9,27	9	2,55	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Both of surfaces damaged	Bead almost symmetrical	1
DB0822	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42829	OES	1,47	9,73	10	2,49	Rounded	Complete	Cylinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1
DB0823	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42829	OES	2	10,17	10	2,55	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1

DB0824	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42829	OES	1,73	9,52	10	2,17	Rounded	Complete	Cylinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1
DB0825	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42829	OES	1,51	9,44	9	2,5	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1
DB0826	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42829	OES	1,26	9,54	10	2,53	Rounded	Complete	Trapezium	Sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1
DB0827	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42829	OES	1,31	9,63	10	2,76	Rounded	Complete	Cylinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB0828	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42829	OES	1,61	9,24	9	2,8	Rounded	Complete	Cylinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1
DB0829	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42829	OES	1,86	9,73	10	1,97	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB0830	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42829	OES	1,42	9,44	9	1,82	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0831	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42829	OES	1,48	9,4	9	2,4	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0832	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42829	OES	1,56	9,68	10	2,12	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0833	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42829	OES	1,26	9,05	9	2,24	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0834	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42829	OES	1,89	9,17	9	1,55	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0835	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42829	OES	1,21	9,19	9	1,64	Rounded	Complete	Cylinder	Sphere	broken into a half and more		Inner damaged	Asymmetrical	1
DB0836	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42829	OES	1,25	8,78	9	2,29	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1

DB0837	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42829	OES	1,43	8,86	9	2,37	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Edge almost symmetrical	1
DB0838	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42830	OES	1,68	9,03	9	2,29	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0839	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42830	OES	1,72	8,26	8	1,42	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB0840	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42830	OES	1,73	9,3	9	2,07	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0841	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42830	OES	1,25	8,73	9	2,22	Rounded	Complete	Cylinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB0842	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42830	OES	1,29	8,78	9	2	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB0843	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42830	OES	1,53	9,17	9	2,6	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0844	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42830	OES	1,64	8,68	9	1,85	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0845	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42830	OES	1,63	8,89	9	1,81	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0846	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42830	OES	1,91	8,96	9	2,34	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0847	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42830	OES	1,09	8,37	8	2,54	Rounded	Complete	Cylinder	Sphere	broken into a half and more		Inner damaged	Asymmetrical	1
DB0848	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42830	OES	1,47	9,02	9	2,2	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0849	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42830	OES	1,42	8,78	9	1,81	Rounded	Complete	Cylinder	Sphere	broken into less		Inner damaged	Asymmetrical	1

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DB08 50	MS T	I1 0	2	2	IV	Burnt	MRF/UP Arts	42830	OE S	1,4 4	8,9 1	9	1, 48	sub-round ed	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB08 51	MS T	I1 0	2	2	IV	Unbu rnt	MRF/UP Arts	42830	OE S	1,5 2	8,7 3	9	1, 78	angul ar	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB08 52	MS T	I1 0	2	2	IV	Burnt	MRF/UP Arts	42830	OE S	1,2 6	8,7 7	9	2, 38	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB08 53	MS T	I1 0	2	2	IV	Burnt	MRF/UP Arts	42830	OE S	1,3 8	9,0 2	9	1, 86	sub-round ed	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB08 54	MS T	I1 0	2	2	IV	Unbu rnt	MRF/UP Arts	42830	OE S	1,7 5	8,7 3	9	1, 88	Roun ded	Compl ete	Cylinde r	Oblate	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB08 55	MS T	I1 0	2	2	IV	Unbu rnt	MRF/UP Arts	42830	OE S	1,6	8,6	9	2, 47	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1

DB0856	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42830	OES	1,38	8,69	9	2,03	sub-rounded	Complete	Cylinder	Oblate	not broken in diameter		Inner damaged	Asymmetrical	1
DB0857	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42830	OES	1,34	8,69	9	1,5	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0858	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42830	OES	1,3	8,6	9	1,69	Rounded	Complete	Cylinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1
DB0859	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42830	OES	1,72	8,6	9	2,56	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0860	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42830	OES	1,33	8,55	9	1,92	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0861	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42830	OES	1,58	8,52	9	1,86	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB0862	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42830	OES	1,67	8,65	9	2,03	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0863	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42830	OES	1,51	8,54	9	2,15	angular	Complete	Cylinder	Oblate	not broken in diameter		Inner damaged	Asymmetrical	1
DB0864	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42830	OES	1,25	8,69	9	1,89	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0865	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42830	OES	1,57	8,7	9	1,19	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0866	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42830	OES	1,4	8,19	8	2,59	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1
DB0867	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42830	OES	1,65	8,72	9	1,77	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0868	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42830	OES	1,56	8,34	8	1,29	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB08 69	MS T	I1 0	2	2	IV	Burnt	MRF/UP Arts	42830	OE S	1,4 6	8,6 3	9	1, 72	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Bead almost symmetr ical	1
DB08 70	MS T	I1 0	2	2	IV	Unbu rnt	MRF/UP Arts	42830	OE S	1,2 9	8,0 4	8	2, 89	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Bead almost symmetr ical	1
DB08 71	MS T	I1 0	2	2	IV	Unbu rnt	MRF/UP Arts	42830	OE S	2,0 7	8,2	8	1, 98	angul ar	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB08 72	MS T	I1 0	2	2	IV	Burnt	MRF/UP Arts	42830	OE S	1,3 4	8,4 4	8	2, 08	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB08 73	MS T	I1 0	2	2	IV	Unbu rnt	MRF/UP Arts	42830	OE S	1,2 9	8,0 5	8	2, 8	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Bead almost symmetr ical	1
DB08 74	MS T	I1 0	2	2	IV	Burnt	MRF/UP Arts	42830	OE S	1,4 5	8,1 8	8	1, 73	sub-round ed	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1

DB0875	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42830	OES	1,7	8,05	8	1,65	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0876	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42830	OES	1,44	7,9	8	1,54	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0877	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42830	OES	2,1	7,73	8	1,96	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0878	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42830	OES	1,88	7,91	8	1,08	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0879	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42830	OES	1,84	7,6	8	1,77	Rounded	Complete	Cylinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1
DB0880	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42830	OES	1,49	7,53	8	1,79	Rounded	Complete	Cylinder	Sphere	broken into less		Inner damaged	Asymmetrical	1

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DB08 81	MS T	I1 0	2	2	IV	Burnt	MRF/UP Arts	42830	OE S	1,1 4	7,6 8	8	2, 77	Roun ded	Compl ete	Cylinde r	Sphere	broken into less than a half		Inner damaged	Asymme trical	1
DB08 82	MS T	I1 0	2	2	IV	Burnt	MRF/UP Arts	42830	OE S	1,3 2	7,5 5	8	1, 77	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB08 83	MS T	I1 0	2	2	IV	Unbu rnt	MRF/UP Arts	42830	OE S	1,3 1	7,5 6	8	1, 94	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB08 84	MS T	I1 0	2	2	IV	Unbu rnt	MRF/UP Arts	42830	OE S	1,5 5	7,9	8	1, 39	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB08 85	MS T	I1 0	2	2	IV	Unbu rnt	MRF/UP Arts	42830	OE S	1,7 2	7,5 1	8	2, 21	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1

DB0886	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42830	OES	1,28	7,31	7	2,44	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0887	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42830	OES	1,21	7,31	7	2,44	Rounded	Complete	Cylinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB0888	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42830	OES	1,78	7,15	7	1,41	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0889	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42830	OES	1,33	7,51	8	1,53	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0890	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42830	OES	1,39	7,15	7	1,58	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0891	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42830	OES	1,74	7,62	8	1,21	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB0892	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42830	OES	1,49	7,27	7	2,49	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0893	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42830	OES	1,81	7,65	8	0,69	sub-rounded	Complete	Cylinder	Oblate	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0894	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42830	OES	1,26	7,14	7	1,65	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0895	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42830	OES	1,59	6,88	7	1,61	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0896	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42830	OES	1,49	6,98	7	2,43	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB0897	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42830	OES	1,35	6,76	7	2,1	Rounded	Complete	Cylinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0898	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42830	OES	1,08	6,58	7	2,3	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Edge almost symmetrical	1
DB0899	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42830	OES	1,35	6,73	7	1,25	sub-rounded	Complete	Cylinder	Sphere	broken into a half and more		Inner damaged	Asymmetrical	1
DB0900	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42830	OES	1,78	6,69	7	1,38	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0901	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42830	OES	1,7	6,62	7	1,62	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0902	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42830	OES	1,57	6,65	7	1,55	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB0903	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42830	OES	2,22	6,57	7	1,71	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0904	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42830	OES	1,43	6,47	6	2,11	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0905	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42830	OES	1,37	6,32	6	2,01	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0906	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42830	OES	1,41	6,37	6	1,49	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0907	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42830	OES	1,25	6,44	6	2,17	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB0908	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42830	OES	1,29	6,13	6	2,3	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0909	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42830	OES	1,6	6,33	6	1,61	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0910	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42830	OES	2,14	6,26	6	2,16	angular	Complete	Cylinder	Irregular	not broken in diameter		Inner damaged	Asymmetrical	1
DB0911	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42830	OES	1,53	6,41	6	0,83	angular	Complete	Cylinder	Irregular	not broken in diameter		Inner damaged	Asymmetrical	1
DB0912	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42830	OES	1,13	6,04	6	1,62	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0913	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42830	OES	1,76	5,86	6	1,1	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1

DB0914	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42830	OES	1,68	5,95	6	1,37	Rounded	Complete	Cylinder	Irregular	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0915	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42830	OES	1,68	5,95	6	1,37	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0916	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42830	OES	1,58	5,55	6	1,62	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0917	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42830	OES	1,6	6,2	6	1,91	angular	Complete	Cylinder	Sphere	broken into a half and more	part of side broken off	Inner damaged	Asymmetrical	1
DB0918	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42830	OES	1,41	6,15	6	1,88	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB0919	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42830	OES	1,12	5,13	5	2,62	Rounded	Complete	Cylinder	Sphere	not broken in		Inner damaged	Asymmetrical	1

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DB09 20	MS T	I1 0	2	2	IV	Unbu rnt	MRF/UP Arts	42830	OE S	0,9	4,9 5	5	2, 22	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Bead almost symmetr ical	1
DB09 21	MS T	I1 0	2	2	IV	Burnt	MRF/UP Arts	42830	OE S	1,1	5,1 3	5	1, 3	Roun ded	Compl ete	Cylinde r	Sphere	broken into less than a half		Inner damaged	Asymme trical	1
DB09 22	MS T	I1 0	2	2	IV	Unbu rnt	MRF/UP Arts	42830	OE S	0,9 3	4,6 8	5	2, 14	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Edge almost symmetr ical	1
DB09 23	MS T	I1 0	2	2	IV	Unbu rnt	MRF/UP Arts	42830	OE S	1,5 1	4,6 8	5	1, 64	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB09 24	MS T	I1 0	2	2	IV	Unbu rnt	MRF/UP Arts	42830	OE S	1,2 9	4,6 3	5	1, 68	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Edge almost symmetr ical	1

DB0925	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42830	OES	1,72	4,73	5	0,93	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB0926	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42831	OES	1,78	4,48	4	1,11	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0927	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42831	OES	1	4,37	4	1,71	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0928	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42831	OES	1,64	4,38	4	0,83	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB09 29	MS T	I1 0	2	2	IV	Unbu rnt	MRF/UP Arts	42831	OE S	0,9 4	4,2 5	4	1, 7	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Bead almost symmetr ical	1
DB09 30	MS T	I1 0	2	2	IV	Unbu rnt	MRF/UP Arts	42831	OE S	1,5 1	4,3 8	4	1, 73	Roun ded	Compl ete	Cylinde r	Sphere	broken into less than a half		No damage to layers/thic kness of bead	Asymme trical	1
DB09 31	MS T	I1 0	2	2	IV	Burnt	MRF/UP Arts	42831	OE S	4,2 9	4,2 7	4	1, 35	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Edge almost symmetr ical	1
DB09 32	MS T	I1 0	2	2	IV	Unbu rnt	MRF/UP Arts	42831	AC H	0,9 4	4,1 8	4	1, 38	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB09 33	MS T	I1 0	2	2	IV	Unbu rnt	MRF/UP Arts	42831	OE S	1,6 8	4,6 6	5	1, 76	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Bead almost symmetr ical	1

DB0934	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42831	OES	2,07	4,7	5	1,84	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0935	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42831	ACH	1,43	4,2	4	2,16	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0936	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42831	OES	1,72	10,19	10	2,39	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0937	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42831	OES	1,83	9,79	10	2,2	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Edge almost symmetrical	1
DB0938	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42831	OES	1,68	9,56	10	1,9	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB09 39	MS T	I1 0	2	2	IV	Burnt	MRF/UP Arts	42831	OE S	1,2 9	9,9 9	1 0	2, 29	sub-round ed	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB09 40	MS T	I1 0	2	2	IV	Unbu rnt	MRF/UP Arts	42831	OE S	1,9	9,4 3	9	2, 55	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB09 41	MS T	I1 0	2	2	IV	Unbu rnt	MRF/UP Arts	42831	OE S	1,6 1	9,5 7	1 0	2, 46	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB09 42	MS T	I1 0	2	2	IV	Burnt	MRF/UP Arts	42831	OE S	1,4 5	9,1 9	9	2, 36	sub-round ed	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB09 43	MS T	I1 0	2	2	IV	Burnt	MRF/UP Arts	42831	OE S	1,9 4	9,4 6	9	2, 35	sub-round ed	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB09 44	MS T	I1 0	2	2	IV	Burnt	MRF/UP Arts	42831	OE S	1,4 5	9,4 9	9	2, 08	sub-round ed	Compl ete	Cylinde r	Sphere	broken into a half and more		Inner damaged	Asymme trical	1
DB09 45	MS T	I1 0	2	2	IV	Burnt	MRF/UP Arts	42831	OE S	1,4	9,5 2	1 0	1, 37	Roun ded	Compl ete	Cylinde r	Sphere	broken into less		Inner damaged	Asymme trical	1

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DB09 46	MS T	I1 0	2	2	IV	Unbu rnt	MRF/UP Arts	42831	OE S	1,3 3	9,1 1	9	1, 95	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB09 47	MS T	I1 0	2	2	IV	Burnt	MRF/UP Arts	42831	OE S	1,2 9	8,8 2	9	2, 31	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Bead almost symmetr ical	1
DB09 48	MS T	I1 0	2	2	IV	Unbu rnt	MRF/UP Arts	42831	OE S	1,6	9,0 9	9	2, 04	angul ar	Compl ete	Cylinde r	Sphere	broken into a half and more		No damage to layers/thic kness of bead	Asymme trical	1
DB09 49	MS T	I1 0	2	2	IV	Unbu rnt	MRF/UP Arts	42831	OE S	1,5 8	9,2 3	9	1, 5	sub-round ed	Compl ete	Cylinde r	Oblate	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1

DB0950	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42831	OES	1,62	8,97	9	1,97	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0951	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42831	OES	1,38	8,78	9	1,69	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0952	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42831	OES	1,27	8,91	9	1,71	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0953	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42831	OES	1,27	8,83	9	2,03	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0954	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42831	OES	1,41	8,41	8	1,86	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0955	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42831	OES	1,58	7,97	8	1,84	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0956	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42831	OES	1,33	7,54	8	2,08	angular	Complete	Cylinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB0957	MST	I10	2	2	IV	Burnt	MRF/UP Arts	42831	OES	1,18	7,28	7	2,27	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1

DB0958	MST	I10	2	2	IV	Unburnt	MRF/UP Arts	42831	OES	1,69	7,05	7	1,95	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0959	MST	I10	3	2	IV	Unburnt	MRF/UP Arts	42831	OES	1,83	11,84	12	2,66	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0960	MST	I10	3	2	IV	Unburnt	MRF/UP Arts	42831	OES	1,31	11,67	12	2,93	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB0961	MST	I10	3	2	IV	Unburnt	MRF/UP Arts	42831	OES	1,58	11,49	11	2,35	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Edge almost symmetrical	1
DB0962	MST	I10	3	2	IV	Unburnt	MRF/UP Arts	42831	OES	1,86	11,48	11	2,4	Rounded	Complete	Cylinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1

DB0963	MST	I10	3	2	IV	Burnt	MRF/UP Arts	42831	OES	1,35	11,48	11	2,76	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB0964	MST	I10	3	2	IV	Burnt	MRF/UP Arts	42831	OES	1,24	11,59	12	1,81	Rounded	Complete	Cylinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB0965	MST	I10	3	2	IV	Burnt	MRF/UP Arts	42831	OES	1,42	11,19	11	1,52	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0966	MST	I10	3	2	IV	Unburnt	MRF/UP Arts	42831	OES	1,54	10,78	11	2,13	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0967	MST	I10	3	2	IV	Burnt	MRF/UP Arts	42831	OES	1,81	10,98	11	2,18	sub-rounded	Complete	Cylinder	Oblate	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0968	MST	I10	3	2	IV	Burnt	MRF/UP Arts	42831	OES	1,39	10,28	10	2,55	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1
DB0969	MST	I10	3	2	IV	Burnt	MRF/UP Arts	42831	OES	1,33	8,87	9	2,02	sub-rounded	Complete	Cylinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1

DB0970	MST	I10	3	2	IV	Burnt	MRF/UP Arts	42831	OES	1,11	7,01	7	2,91	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Edge almost symmetrical	1
DB0971	MST	I10	3	2	IV	Unburnt	MRF/UP Arts	42831	OES	1,89	6,46	6	1,41	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0972	MST	I10	5	2	IV	Burnt	MRF	23/11/2016	OES	1,48	10,52	11	2,83	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	Inner damaged	Asymmetrical	1
DB0973	MST	I10	5	2	IV	Unburnt	MRF	23/11/2016	OES	1,66	8,45	8	2,02	sub-rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0974	MST	I11	2	2	IV	Burnt	Mapungubwe Research Facility	42926	OES	1,27	10,49	10	2,07	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0975	MST	I11	2	2	IV	Unburnt	Mapungubwe Research Facility	42926	OES	1,4	9,42	9	1,95	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB0976	MST	I11	2	2	IV	Unburnt	Mapungubwe Research Facility	42926	OES	1,44	9,41	9	1,57	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0977	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42794	OES	1,51	14,44	14	1,66	sub-rounded	Complete	Cylinder	Sphere	broken into a half and more		Inner damaged	Asymmetrical	1
DB0978	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42794	OES	1,86	14,19	14	1,57	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0979	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42794	OES	1,81	14,14	14	2,23	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0980	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42794	OES	1,43	14,12	14	2,77	Rounded	Complete	Cylinder	Sphere	broken into a half and more		Inner damaged	Asymmetrical	1
DB0981	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42794	OES	1,33	13,93	14	2,09	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0982	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42794	OES	1,49	12,98	13	2,14	sub-rounded	Complete	Cylinder	Sphere	not broken in		Inner damaged	Asymmetrical	1

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DB0983	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42794	OES	1,67	12,92	13	2,21	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0984	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42794	OES	1,79	12,8	13	2,33	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0985	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42794	OES	1,92	12,18	12	2,8	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0986	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42794	OES	1,28	12,24	12	3,24	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0987	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42794	OES	1,8	12,58	13	1,31	sub-rounded	Complete	Cylinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1

DB0988	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42794	OES	1,69	11,86	12	2,56	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0989	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42794	OES	1,78	12,06	12	2,19	Rounded	Complete	Cylinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1
DB0990	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42794	OES	1,38	11,68	12	2,31	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0991	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42794	OES	1,71	11,93	12	1,85	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0992	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42794	OES	1,75	12,3	12	1,5	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB0993	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42794	OES	1,65	11,6	12	3,32	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0994	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42794	OES	1,26	11,77	12	2,45	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB0995	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42794	OES	1,79	11,29	11	2,1	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0996	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42794	OES	1,63	11,66	12	2,32	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0997	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42794	OES	1,56	11,89	12	1,97	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB0998	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42794	OES	1,56	11,56	12	2,32	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB0999	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42794	OES	1,41	12,46	12	2,44	sub-rounded	Complete	Cylinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1
DB1000	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42794	OES	1,89	11,83	12	1,82	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1001	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42794	OES	1,73	11,46	11	1,87	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB1002	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42794	OES	1,56	11,56	12	2,64	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1003	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42794	OES	1,77	11,7	12	1,78	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1004	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42794	OES	1,46	11,96	12	1,78	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1005	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42794	OES	1,46	11,96	12	1,78	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Both of surfaces damaged	Asymmetrical	1
DB1006	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42794	OES	1,38	11,24	11	2,15	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1007	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42794	OES	1,83	11,41	11	1,38	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1008	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42794	OES	1,86	12,02	12	2,07	angular	Complete	Cylinder	Sphere	broken into a half		Inner damaged	Asymmetrical	1

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DB1009	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42794	OES	1,7	11,51	12	2,87	Rounded	Complete	Cylinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1
DB1010	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42794	OES	1,46	11,35	11	2,79	Rounded	Complete	Cylinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1
DB1011	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42794	OES	1,62	11,33	11	2,51	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1012	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42794	OES	1,39	11,42	11	1,58	sub-rounded	Complete	Cylinder	Sphere	broken into a half and more		Inner damaged	Asymmetrical	1
DB1013	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42794	OES	1,74	11,62	12	1,62	Rounded	Complete	Cylinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1

DB1014	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42794	OES	1,47	11,16	11	2,86	Rounded	Complete	Cylinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1
DB1015	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42794	OES	1,66	11,11	11	2,21	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB1016	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42794	OES	1,95	11,19	11	1,8	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1017	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42794	OES	1,84	11,31	11	1,84	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB1018	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42797	OES	1,88	11,92	12	2,32	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1019	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42797	OES	1,31	11,49	11	2,63	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1020	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42797	OES	1,57	11,49	11	2,36	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB1021	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42797	OES	1,49	11,42	11	2,33	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1022	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42797	OES	1,25	11,2	11	2,26	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB1023	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42797	OES	1,68	11,03	11	2,54	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1024	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42797	OES	1,56	11,26	11	2,69	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1025	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42797	OES	1,34	11,25	11	2,25	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1026	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42797	OES	1,7	11,16	11	1,95	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1027	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42797	OES	1,91	11,14	11	2,17	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB10 28	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42797	OE S	1,9 1	11, 59	1 2	1, 61	sub-round ed	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB10 29	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42797	OE S	1,6 2	11, 04	1 1	1, 36	angul ar	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB10 30	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42797	OE S	1,8 6	11, 06	1 1	2, 18	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB10 31	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42797	OE S	1,5 5	11, 41	1 1	2, 3	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB10 32	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42797	OE S	1,7 6	10, 97	1 1	2, 38	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Edge almost symmetr ical	1

DB1033	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42797	OES	1,8	11,06	11	2,6	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1034	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42797	OES	1,89	10,92	11	2,82	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB1035	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42797	OES	1,62	10,83	11	2,19	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1036	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42797	OES	1,49	11,11	11	1,14	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Both of surfaces damaged	Asymmetrical	1
DB1037	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42797	OES	1,67	10,77	11	2,94	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1
DB1038	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42797	OES	1,41	11,04	11	1,97	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB10 39	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42797	OE S	1,9 4	10, 98	1 1	1, 82	sub-round ed	Compl ete	Cylinde r	Sphere	not broken in diamet er		Outer damaged	Asymme trical	1
DB10 40	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42797	OE S	1,3 4	11, 14	1 1	2, 21	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB10 41	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42797	OE S	1,5 6	10, 87	1 1	1, 87	sub-round ed	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB10 42	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42797	OE S	1,3 7	10, 98	1 1	3, 08	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB10 43	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42797	OE S	1,5 7	10, 37	1 0	2, 09	angul ar	Compl ete	Trapezi um	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB10 44	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42797	OE S	1,4 8	10, 7	1 1	1, 45	angul ar	Compl ete	Cylinde r	Irregular	not broken in diamet er		Inner damaged	Asymme trical	1
DB10 45	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42797	OE S	1,4 4	10, 67	1 1	2, 23	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB10 46	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42797	OE S	1,9 1	10, 71	1 1	1, 26	sub-round ed	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1

DB10 47	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42797	OE S	1,4 4	10, 64	1 1	2, 12	angul ar	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB10 48	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42797	OE S	1,5 7	10, 68	1 1	1, 72	sub-round ed	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB10 49	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42797	OE S	1,4 8	10, 31	1 0	2, 54	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB10 50	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42797	OE S	1,5 5	10, 71	1 1	1, 73	sub-round ed	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB10 51	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42797	OE S	1,6 2	9,6 1	1 0	2, 02	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB10 52	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42797	OE S	1,8 3	10, 01	1 0	2, 58	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Edge almost symmetr ical	1

DB1053	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42797	OES	1,67	9,92	10	1,57	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1054	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42797	OES	1,23	10,71	11	2,11	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1055	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42797	OES	1,54	10,84	11	3,06	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB1056	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42797	OES	1,55	10,84	11	2,15	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1057	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42797	OES	1,86	10,26	10	2,33	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1

DB10 58	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42797	OE S	1,9 5	11, 08	1 1	1, 66	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB10 59	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42797	OE S	1,4 6	10, 33	1 0	2, 55	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB10 60	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42797	OE S	1,4 5	10, 25	1 0	2, 36	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Edge almost symmetr ical	1
DB10 61	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42797	OE S	1,4 7	10, 18	1 0	2, 5	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Bead almost symmetr ical	1
DB10 62	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42797	OE S	1,9 3	10, 11	1 0	1, 32	angul ar	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1

DB10 63	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42797	OE S	1,9 4	10, 13	1 0	1, 58	sub-round ed	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB10 64	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42797	OE S	1,7 1	10, 05	1 0	2, 05	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB10 65	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42797	OE S	1,8 5	10, 27	1 0	2, 3	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB10 66	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42797	OE S	1,9 6	10, 29	1 0	1, 68	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Edge almost symmetr ical	1

DB1067	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42797	OES	1,8	10,87	11	1,78	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1068	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42797	OES	1,4	10,45	10	2,23	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1069	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42797	OES	1,8	10,16	10	2,23	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB1070	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42797	OES	1,46	10,09	10	2,35	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB1071	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42797	OES	1,78	9,88	10	2,5	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB10 72	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42797	OE S	1,8 5	10, 38	1 0	1, 82	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB10 73	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42797	OE S	1,3 6	10, 48	1 0	2, 39	angul ar	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB10 74	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42800	OE S	1,6 3	10, 44	1 0	2, 77	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB10 75	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42800	OE S	1,4 2	10, 58	1 1	2, 39	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB10 76	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42800	OE S	1,8 8	9,9 8	1 0	2, 09	sub-round ed	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB10 77	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42800	OE S	1,5 3	9,1 1	9	2, 24	sub-round ed	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB10 78	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42800	OE S	1,3 6	10, 35	1 0	1, 79	angul ar	Compl ete	Cylinde r	Sphere	not broken in		Inner damaged	Asymme trical	1

																		diameter				
DB1079	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42800	OES	1,69	9,77	10	2,33	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1080	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42800	OES	1,35	10,6	11	1,67	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1081	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42800	OES	1,48	9,45	9	2,38	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1082	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42800	OES	1,58	10,54	11	2,02	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1083	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42800	OES	1,61	9,77	10	1,83	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB1084	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42800	OES	1,07	8,89	9	2,56	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1085	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42800	OES	1,92	10,47	10	1,69	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1086	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42800	OES	1,63	10,38	10	2,25	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1087	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42800	OES	1,48	9,96	10	2,46	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1088	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42800	OES	1,93	9,24	9	1,93	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB1089	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42800	OES	1,56	9,67	10	2,06	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1090	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42800	OES	1,57	10,19	10	1,98	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1091	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42800	OES	1,43	10,42	10	1,36	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1092	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42800	OES	1,28	10,17	10	2,37	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB1093	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42800	OES	2,11	10,5	11	1,95	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1094	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42800	OES	1,46	10,35	10	1,79	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1095	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42800	OES	1,26	10,58	11	2,12	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Edge almost symmetrical	1
DB1096	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42800	OES	1,28	9,97	10	2,48	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1097	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42800	OES	1,47	10,39	10	1,71	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB1098	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42800	OES	1,56	10,32	10	2,35	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1099	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42800	OES	1,49	10,51	11	2,62	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1100	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42800	OES	1,76	10,12	10	1,62	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB1101	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42800	OES	1,54	10,38	10	1,88	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1102	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42800	OES	1,49	10,54	11	2,53	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB11 03	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42800	OE S	1,7 6	10, 08	1 0	2, 94	angul ar	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB11 04	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42800	OE S	1,7 2	9,6 7	1 0	2, 41	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB11 05	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42800	OE S	1,7 3	9,7 4	1 0	2, 34	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB11 06	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42800	OE S	1,9 1	10, 18	1 0	1, 81	angul ar	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB11 07	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42800	OE S	1,7 8	10, 18	1 0	1, 81	sub-round ed	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Bead almost symmetr ical	1
DB11 08	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42800	OE S	1,4 6	9,8 3	1 0	1, 36	Roun ded	Compl ete	Cylinde r	Sphere	not broken in		Inner damaged	Asymme trical	1

																		diamet er				
DB11 09	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42800	OE S	1,3 5	9,7 4	1 0	2, 38	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB11 10	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42800	OE S	1,7 6	11, 05	1 1	2, 21	angul ar	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB11 11	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42800	OE S	1,6 9	9,7 4	1 0	1, 78	angul ar	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB11 12	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42800	OE S	1,6 9	9,7 4	1 0	1, 78	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB11 13	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42800	OE S	1,4 7	9,4 4	9	1, 82	sub-round ed	Compl ete	Cylinde r	Square	not broken in diamet er		Inner damaged	Asymme trical	1
DB11 14	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42800	OE S	1,4 9	9,2 1	9	1, 8	sub-round ed	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1

DB1115	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42800	OES	1,93	9,49	9	1,82	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1116	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42800	OES	1,27	10,22	10	1,81	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1117	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42800	OES	1,55	10,22	10	2,29	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1118	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42800	OES	1,79	10,36	10	2,79	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1119	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42800	OES	1,77	9,94	10	1,36	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1120	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42800	OES	1,77	9,49	9	1,68	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB1121	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42800	OES	1,42	9,75	10	2,58	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1122	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42800	OES	1,59	9,96	10	2,12	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1123	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42800	OES	1,9	9,53	10	1,98	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1124	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42800	OES	1,86	10,19	10	1,63	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1125	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42800	OES	1,22	9,65	10	2,79	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1126	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42800	OES	1,65	10,01	10	1,67	Rounded	Complete	Cylinder	Sphere	not broken in		Inner damaged	Asymmetrical	1

																		diameter				
DB1127	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42800	OES	1,58	9,29	9	2,53	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1128	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42800	OES	1,17	9,51	10	2,14	Rounded	Complete	Cylinder	Somewhat triangular	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1129	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42800	OES	1,39	9,71	10	2,83	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB1130	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42800	OES	1,81	10,07	10	2,46	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1131	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42808	OES	1,48	9,64	10	1,9	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB11 32	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42808	OE S	1,9 1	9,1 4	9	2, 01	sub- round ed	Compl ete	Cylinde r	Sphere	not broken in diamet er		Outer damaged	Asymme trical	1
DB11 33	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42808	OE S	1,6 6	9,5 6	1 0	1, 65	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB11 34	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42808	OE S	1,7 1	10, 13	1 0	1, 94	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Edge almost symmetr ical	1
DB11 35	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42808	OE S	1,4 7	8,9 1	9	2, 02	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB11 36	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42808	OE S	1,6 1	9,4 5	9	2, 19	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1

DB1137	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42808	OES	1,47	9,52	10	2,1	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1138	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42808	OES	1,79	9,36	9	1,86	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1139	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42808	OES	1,59	9,18	9	2,01	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1140	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42808	OES	1,47	8,36	8	1,44	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB1141	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42808	OES	1,46	9,48	9	2,8	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1142	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42808	OES	1,46	9,5	10	2,79	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1143	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42808	OES	1,71	8,74	9	1,07	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1144	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42808	OES	1,81	8,13	8	1,85	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB1145	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42808	OES	1,88	8,43	8	2,21	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1146	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42808	OES	1,97	8,64	9	1,14	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1147	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42808	OES	1,68	7,61	8	1,76	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB1148	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42808	OES	1,08	7,77	8	1,79	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB1149	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42808	OES	1,42	8,47	8	2,89	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1150	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42808	OES	1,79	9,29	9	1,92	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1151	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42808	OES	1,95	9,78	10	2,06	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1152	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42808	OES	1,42	9,48	9	2,25	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1153	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42808	OES	1,55	9,99	10	2,34	Rounded	Complete	Cylinder	Sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1

DB1154	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42808	OES	1,58	9,35	9	2,28	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1155	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42808	OES	1,47	9,84	10	1,73	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1156	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42808	OES	1,41	10,41	10	1,83	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1157	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42808	OES	1,79	8,37	8	1,4	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1158	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42808	OES	1,59	8,37	8	1,64	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1159	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42808	OES	1,49	9,65	10	1,9	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1160	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42808	OES	1,3	8,87	9	2,32	Rounded	Complete	Cylinder	Sphere	not broken in		Inner damaged	Asymmetrical	1

																		diameter				
DB1161	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42808	OES	1,59	8,69	9	1,81	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1162	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42808	OES	1,61	9,44	9	1,53	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1163	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42808	OES	1,49	8,89	9	1,59	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1164	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42808	OES	2,08	9,57	10	2,08	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1165	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42808	OES	1,34	9,3	9	1,97	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB11 66	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42808	OE S	1,5 4	8,9 4	9	1, 96	Roun ded	Compl ete	Cylinde r	Somewh at triangular	not broken in diamet er		Inner damaged	Asymme trical	1
DB11 67	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42808	OE S	1,3 8	8,8 2	9	1, 97	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB11 68	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42808	OE S	1,4 9	9,4 9	9	2, 45	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB11 69	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42808	OE S	1,4 6	8,9 3	9	1, 84	angul ar	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB11 70	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42808	OE S	1,4 1	8,9 3	9	1, 73	angul ar	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB11 71	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42808	OE S	1,8 5	9,6 3	1 0	1, 84	angul ar	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB11 72	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42808	OE S	1,8 4	9,5 3	1 0	1, 83	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1

DB1173	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42808	OES	1,5	9,7	10	1,19	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1174	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42808	OES	1,46	9,38	9	1,75	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1175	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42808	OES	1,36	9,7	10	2,19	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1176	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42808	OES	1,46	10,15	10	2,01	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1177	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42808	OES	1,88	10,25	10	2,02	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1178	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42808	OES	1,39	9,66	10	2,4	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1179	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42808	OES	1,76	9,62	10	2,08	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1180	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42808	OES	1,67	9,78	10	1,61	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB1181	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42808	OES	1,91	10,02	10	2,42	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1182	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42808	OES	1,73	9,52	10	1,57	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1183	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42808	OES	1,58	9,65	10	2,15	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1184	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42808	OES	1,41	9,85	10	2,08	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1185	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42808	OES	1,35	10,06	10	1,91	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1186	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42808	OES	1,32	9,54	10	2,49	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB1187	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42808	OES	1,56	8,61	9	2,63	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB1188	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42808	OES	1,42	9,45	9	1,06	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1189	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42808	OES	1,38	8,48	8	2,49	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1190	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42808	OES	1,49	9,83	10	2,12	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB11 91	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42809	OE S	1,5 4	9,7 8	1 0	1, 69	sub-round ed	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB11 92	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42809	OE S	1,6 8	8,8 7	9	1, 49	sub-round ed	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB11 93	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42809	OE S	0,9 8	9,1 3	9	2, 26	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Edge almost symmetr ical	1
DB11 94	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42809	OE S	1,8 2	9,2	9	1, 57	angul ar	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB11 95	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42809	OE S	1,7 4	8,6 7	9	2, 07	sub-round ed	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1

DB11 96	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42809	OE S	1,4 1	7,6 1	8	1, 87	sub-round ed	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB11 97	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42809	OE S	1,9 4	9,7	1 0	2, 49	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB11 98	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42809	OE S	1,2 6	8,6 5	9	2, 43	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Bead almost symmetr ical	1
DB11 99	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42809	OE S	1,2 4	8,9 4	9	2, 15	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Bead almost symmetr ical	1
DB12 00	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42809	OE S	1,7 8	9,8 4	1 0	2, 3	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1

DB1201	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42809	OES	1,71	8,35	8	1,93	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1202	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42809	OES	1,64	8,96	9	2,6	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB1203	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42809	OES	1,38	8,48	8	1,85	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1204	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42809	OES	1,72	8,46	8	1,85	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1205	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42809	OES	1,55	9,62	10	2,06	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB1206	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42809	OES	1,74	10,41	10	1,93	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1207	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42809	OES	1,22	8,77	9	2,81	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1208	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42809	OES	1,38	8,46	8	2,4	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1209	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42809	OES	1,89	8,81	9	1,96	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB1210	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42809	OES	1,31	8,43	8	1,96	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1211	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42809	OES	1,26	7,37	7	1,89	Rounded	Complete	Cylinder	Oblate	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1
DB1212	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42809	OES	1,84	8,87	9	1,93	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1213	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42809	OES	1,87	8,89	9	1,61	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1214	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42809	OES	1,39	7,61	8	1,6	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1215	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42809	OES	1,44	8,59	9	2,24	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB1216	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42809	OES	1,6	9,85	10	1,94	Rounded	Complete	Cylinder	Sphere	not broken in		Inner damaged	Asymmetrical	1

																		diameter				
DB1217	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42809	OES	1,78	9,21	9	2,23	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1218	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42809	OES	1,61	9,02	9	1,84	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1219	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42809	OES	1,71	8,91	9	2,52	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1220	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42809	OES	1,36	8,81	9	1,12	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1221	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42809	OES	1,61	9,08	9	1,7	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1222	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42809	OES	1,39	8,31	8	1,85	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB1223	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42809	OES	1,96	10,03	10	1,95	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1224	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42809	OES	1,63	9,66	10	1,85	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1225	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42809	OES	1,25	8,05	8	1,85	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB1226	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42809	OES	1,69	9,52	10	1,36	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB12 27	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42809	OE S	1,6 3	9,4 1	9	1, 95	sub-round ed	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB12 28	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42809	OE S	1,8 9	8,6 6	9	1, 57	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB12 29	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42809	OE S	1,8 5	8,4 2	8	1, 56	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Bead almost symmetr ical	1
DB12 30	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42809	OE S	1,9 8	8,2 8	8	1, 59	sub-round ed	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1

DB1231	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42809	OES	1,38	8,18	8	2,5	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB1232	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42809	OES	1,54	9,27	9	1,64	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1233	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42809	OES	1,47	8,74	9	2,21	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1234	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42809	OES	1,76	9,62	10	1,88	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1235	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42809	OES	1,38	9,93	10	2,16	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB1236	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42809	OES	1,86	9,48	9	2,1	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB1237	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42809	OES	1,61	8,06	8	1,98	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1238	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42809	OES	1,25	8,79	9	2,95	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Edge almost symmetrical	1
DB1239	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42809	OES	1,97	8,41	8	1,86	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1240	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42809	OES	1,43	8,99	9	1,56	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1241	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42809	OES	1,68	8,52	9	1,91	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB1242	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42809	OES	2,09	8,37	8	2,25	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1243	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42809	OES	1,44	8,37	8	2,33	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1244	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42809	OES	1,52	8,37	8	2,3	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1245	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42809	OES	1,14	7,89	8	2,35	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Edge almost symmetrical	1
DB1246	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42809	OES	1,72	8,38	8	2,49	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB1247	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42809	OES	1,42	8,44	8	1,86	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1248	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42809	OES	1,22	8,99	9	3,21	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1
DB1249	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42809	OES	1,38	8,56	9	3,21	Rounded	Complete	Cylinder	Irregular	not broken in diameter		Inner damaged	Asymmetrical	1
DB1250	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42809	OES	1,24	8,57	9	2,77	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1
DB1251	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42809	OES	1,44	8,84	9	1,75	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1252	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42809	OES	1,91	8,9	9	1,54	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB12 53	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42809	OE S	1,7 9	8,4 7	8	1, 94	angul ar	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB12 54	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42809	OE S	1,3	8,1 5	8	1, 93	angul ar	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB12 55	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42809	OE S	1,4 7	9,0 1	9	2, 13	sub-round ed	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB12 56	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42809	OE S	1,3 6	9,2 1	9	2, 14	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB12 57	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42809	OE S	1,5 3	9,3	9	2, 36	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB12 58	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42809	OE S	1,2 7	9,5 1	1 0	1, 93	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1

DB1259	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42809	OES	1,79	9,78	10	1,85	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1260	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42809	OES	1,77	8,95	9	1,85	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1261	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42810	OES	1,35	9,47	9	2,32	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1262	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42810	OES	1,52	9,26	9	1,42	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1263	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42810	OES	1,33	8,16	8	1,77	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1264	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42810	OES	1,29	8	8	2,65	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1265	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42810	OES	1,53	9,21	9	2,26	sub-rounded	Complete	Cylinder	Sphere	not broken in		Inner damaged	Asymmetrical	1

																		diameter				
DB1266	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42810	OES	1,59	9,13	9	2,66	sub-rounded	Complete	Cylinder	Oblate	not broken in diameter		Inner damaged	Asymmetrical	1
DB1267	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42810	OES	1,68	8,35	8	2,25	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1268	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42810	OES	1,34	8,73	9	1,4	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1269	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42810	OES	1,74	9,53	10	2,51	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1270	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42810	OES	1,48	8,07	8	1,93	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB1271	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42810	OES	1,57	1,78	2	1,84	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1272	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42810	OES	1,43	8,74	9	1,99	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1273	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42810	OES	1,81	8,38	8	1,41	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1274	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42810	OES	1,61	8,34	8	1,77	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB1275	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42810	OES	1,34	9,77	10	2,28	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB1276	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42810	OES	1,57	9,19	9	1,8	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1277	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42810	OES	1,49	8,57	9	2,76	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB1278	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42810	OES	1,31	9,21	9	1,68	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1
DB1279	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42810	OES	1,73	9,12	9	2,3	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1280	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42810	OES	1,94	8,25	8	0,95	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB1281	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42810	OES	1,33	8,1	8	0,96	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1282	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42810	OES	1,48	8,59	9	2,03	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1283	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42810	OES	1,28	7,98	8	2,38	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB1284	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42810	OES	1,68	9,25	9	2,26	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1285	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42810	OES	1,34	9,15	9	2,38	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB1286	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42810	OES	1,3	8,05	8	2,57	Rounded	Complete	Cylinder	Square	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB1287	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42810	OES	1,52	8,45	8	2,01	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1288	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42810	OES	1,57	8,36	8	1,62	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1289	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42810	OES	1,24	8,13	8	2,33	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1290	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42810	OES	1,45	8,7	9	1,87	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1291	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42810	OES	1,59	8,93	9	2,15	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1

DB1292	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42810	OES	1,53	8,97	9	2,25	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1293	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42810	OES	1,46	9,1	9	1,16	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1294	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42810	OES	1,79	8,09	8	1,54	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1295	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42810	OES	1,28	8,25	8	2,1	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1296	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42810	OES	1,54	8,63	9	1,09	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB1297	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42810	OES	1,13	8,27	8	3,2	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB1298	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42810	OES	1,51	8,32	8	2,18	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1299	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42810	OES	1,17	8,76	9	2,59	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1
DB1300	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42810	OES	1,39	8,73	9	2,21	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1301	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42810	OES	1,35	8,85	9	1,94	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1302	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42810	OES	1,79	9,38	9	2,34	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1303	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42810	OES	1,61	8,49	8	1,45	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB13 04	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42810	OE S	1,3 6	7,8 5	8	2, 42	sub-round ed	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB13 05	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42810	OE S	1,8 5	7,7 8	8	0, 58	sub-round ed	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB13 06	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42810	OE S	1,5 1	7,4	7	2, 2	angul ar	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB13 07	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42810	OE S	1,4 9	8,0 1	8	1, 56	angul ar	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB13 08	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42810	OE S	1,3 8	8,6 4	9	2, 36	sub-round ed	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB13 09	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42810	OE S	8,7 8	1,3 3	1	2, 32	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB13 10	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42810	OE S	1,2 6	8,1 5	8	2, 06	angul ar	Compl ete	Cylinde r	Sphere	not broken in		Inner damaged	Asymme trical	1

																	diameter				
DB1311	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42810	OES	1,37	8,25	8	3,11	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Edge almost symmetrical	1
DB1312	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42810	OES	1,46	9,28	9	2,52	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1313	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42810	OES	1,24	9,47	9	1,86	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1314	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42810	OES	1,17	8,19	8	1,86	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1315	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42810	OES	1,36	8,56	9	0,92	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1316	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42810	OES	1,32	7,66	8	1,93	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1317	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42811	OES	1,35	8,15	8	1,57	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1318	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42811	OES	1,44	9,07	9	1,99	angular	Complete	Cylinder	Sphere	broken into a half and more	part of side broken off	Inner damaged	Asymmetrical	1

DB1319	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42811	OES	1,43	7,6	8	0,74	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1320	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42811	OES	1,79	7,82	8	1,99	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1321	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42811	OES	1,94	7,08	7	1,54	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1322	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42811	OES	1,45	7,72	8	1,31	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1323	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42811	OES	1,36	7,83	8	1,31	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1324	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42811	OES	1,88	6,96	7	1,74	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB1325	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42811	OES	2	6,9	7	0,91	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1326	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42811	OES	1,74	6,94	7	2,11	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1327	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42811	OES	1,53	8,04	8	1,63	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB1328	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42811	OES	1,56	7,24	7	1,64	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1329	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42811	OES	1,26	7,76	8	2,57	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1

DB1330	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42811	OES	1,72	7,18	7	1,32	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1331	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42811	OES	1,87	7,87	8	1,52	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1332	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42811	OES	1,36	6,85	7	1,96	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB1333	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42811	OES	1,19	6,4	6	2,55	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1334	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42811	OES	1,37	7,8	8	1,68	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB1335	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42811	OES	1,66	7,38	7	1,69	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB1336	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42811	OES	1,3	7,47	7	2,23	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1337	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42811	OES	1,44	9,42	9	2,65	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1
DB1338	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42811	OES	1,53	7,52	8	1,42	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1339	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42811	OES	1,72	7,75	8	2,28	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB1340	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42811	OES	1,35	8,25	8	2,55	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1

DB1341	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42811	OES	1,32	7,13	7	1,84	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1
DB1342	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42811	OES	1,28	7,99	8	2,44	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1
DB1343	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42811	OES	1,78	6,24	6	1,19	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1344	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42811	OES	1,6	7,86	8	1,96	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1345	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42811	OES	1,31	6,78	7	2,94	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1

DB1346	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42811	OES	1,9	6,67	7	1,84	angular	Complete	Cylinder	Irregular	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1347	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42816	OES	1,29	8,44	8	1,72	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Both of surfaces damaged	Asymmetrical	1
DB1348	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42816	OES	1,27	8,14	8	1,26	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1349	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42816	OES	1,97	8,4	8	2,13	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1350	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42816	OES	1,76	7,73	8	1,08	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1351	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42816	OES	1,35	8,17	8	1,71	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB1352	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42816	OES	1,75	7,92	8	1,19	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1353	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42816	OES	1,46	7,46	7	1,84	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1354	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42816	OES	1,64	6,36	6	1,5	sub-rounded	Complete	Cylinder	Somewhat triangular	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1355	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42816	OES	1,36	6,88	7	1,61	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1356	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42816	OES	1,62	7,11	7	1,94	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1357	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42816	OES	1,41	7,68	8	1,8	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1358	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42816	OES	1,84	7,79	8	1,74	Rounded	Complete	Cylinder	Sphere	not broken in		Inner damaged	Asymmetrical	1

																		diameter				
DB1359	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42816	OES	1,99	7,32	7	1,48	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1360	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42816	OES	1,37	7,25	7	1,24	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1361	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42816	OES	1,39	7,27	7	2,69	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB1362	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42816	OES	1,59	7	7	2,07	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1363	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42816	OES	1,82	7,81	8	2,09	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1364	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42816	OES	1,38	8,13	8	1,69	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB13 65	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42816	OE S	1,3 3	7,4 6	7	1, 72	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB13 66	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42816	OE S	1,3 3	7,5 7	8	1, 8	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB13 67	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42816	OE S	1,7 2	7,8 4	8	2, 8	angul ar	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB13 68	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42816	OE S	1,2 6	8,3 8	8	1, 44	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB13 69	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42816	OE S	1,4 8	7,5 4	8	1, 52	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB13 70	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42816	OE S	1,6 2	6,6 9	7	1, 89	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1

DB1371	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42816	OES	1,86	7,2	7	1,53	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1372	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42816	OES	1,12	7,02	7	2,68	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1373	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42816	OES	1,65	7,75	8	1,44	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1374	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42816	OES	1,3	6,88	7	1,63	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1375	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42816	OES	1,59	7,2	7	1,69	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Either of surfaces damaged	Asymmetrical	1
DB1376	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42816	OES	1,46	7,01	7	2,27	Rounded	Complete	Cylinder	Somewhat egg shaped	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB13 77	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42816	OE S	1,5 5	7,3 8	7	1, 33	sub-round ed	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB13 78	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42816	OE S	1,4 5	6,9 4	7	2	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB13 79	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42816	OE S	1,3 6	7,1	7	0, 98	angul ar	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB13 80	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42816	OE S	1,6 7	6,5 3	7	1, 23	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB13 81	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42816	OE S	1,3 7	6,3 5	6	2	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Bead almost symmetr ical	1

DB1382	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42816	OES	1,4	6,72	7	1,89	angular	Complete	Cylinder	Irregular	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1383	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42816	OES	1,84	6,61	7	1,3	angular	Complete	Cylinder	Irregular	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1384	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42816	OES	1,52	6,45	6	1,02	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Edge almost symmetrical	1
DB1385	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42816	OES	1,06	7,02	7	2,55	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Edge almost symmetrical	1
DB1386	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42816	OES	1,53	6,86	7	1,27	sub-rounded	Complete	Cylinder	Oblate	not broken in diameter		Inner damaged	Asymmetrical	1
DB1387	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42816	OES	1,32	5,85	6	1,99	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB13 88	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42816	OE S	1,0 4	6,0 1	6	2, 19	angul ar	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Bead almost symmetr ical	1
DB13 89	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42816	OE S	1,5 3	6,0 2	6	1, 75	sub-round ed	Compl ete	Cylinde r	Somewh at triangular	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB13 90	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42816	OE S	1,5 1	6,0 9	6	1, 52	Roun ded	Compl ete	Cylinde r	Somewh at triangular	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB13 91	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42816	OE S	1,1 2	6,0 2	6	1, 43	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB13 92	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	42816	OE S	1,0 2	5,4 3	5	1, 92	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB13 93	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	42816	OE S	1,5 1	5,6 4	6	1	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1

DB1394	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42816	OES	1,44	5,37	5	1,39	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB1395	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42816	OES	1,29	5,2	5	1,19	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1396	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42816	OES	1,48	4,96	5	1,69	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1397	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42816	OES	1,96	5,26	5	1,06	Rounded	Complete	Cylinder	Somewhat triangular	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB1398	MST	I11	2	2	IV	Burnt	MRF/UP Arts	42816	OES	1,56	5,15	5	0,88	Rounded	Complete	Cylinder	Somewhat triangular	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1399	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	42816	OES	1,38	4,81	5	1,48	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1400	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	22/03/2017	OES	0,82	4,55	5	2,16	Rounded	Complete	Cyllider	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1401	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	22/03/2017	OES	0,82	4,58	5	0,86	Rounded	Complete	Cyllider	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB14 02	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	22/03/ 2017	OE S	1,0 4	4,3 1	4	1, 8	Roun ded	Compl ete	Cyllider	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB14 03	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	22/03/ 2017	OE S	1,4 3	4,3 4	4	1, 28	Roun ded	Compl ete	Cyllider	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Bead almost symmetr ical	1
DB14 04	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	22/03/ 2017	OE S		4,3 7	4	1, 37	Roun ded	Compl ete	Cyllider	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB14 05	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	22/03/ 2017	OE S	0,4 6	4,1 6	4	1, 13	Roun ded	Compl ete	Cyllider	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1

DB1406	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	22/03/2017	OES	1,13	4,2	4	1,61	Rounded	Complete	Cyllider	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB1407	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	22/03/2017	OES	1,6	4,21	4	1,05	sub-rounded	Complete	Cyllider	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1408	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	22/03/2017	OES	1,23	3,89	4	1,32	Rounded	Complete	Cyllider	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB1409	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	23/03/2017	OES	1,98	11,65	12	2,01	sub-rounded	Complete	Cyllider	Sphere	broken into a half and more	broken(more than half present)	No damage to layers/thickness of bead	Asymmetrical	1
DB1410	MST	I11	2	2	IV	Burnt	MRF/UP Arts	23/03/2017	OES	1,47	12,07	12	2,15	Rounded	Complete	Cyllider	Sphere	broken into a half and more	brokenin half	Inner damaged	Asymmetrical	1

DB1411	MST	I11	2	2	IV	Burnt	MRF/UP Arts	23/03/2017	OES	1,25	11,12	11	2,65	Rounded	Complete	Cyllider	Sphere	broken into a half and more	brokenin half	Inner damaged	Bead almost symmetrical	1
DB1412	MST	I11	2	2	IV	Burnt	MRF/UP Arts	23/03/2017	OES	1,2	11,06	11	2,87	Rounded	Complete	Cyllider	Sphere	broken into a half and more	brokenin half	Inner damaged	Asymmetrical	1
DB1413	MST	I11	2	2	IV	Burnt	MRF/UP Arts	23/03/2017	OES	1,26	11,38	11	2,26	Rounded	Complete	Cyllider	Sphere	broken into a half and more	brokenin half	Inner damaged	Asymmetrical	1
DB1414	MST	I11	2	2	IV	Burnt	MRF/UP Arts	23/03/2017	OES	1,51	11,51	12	2,48	sub-rounded	Complete	Cyllider	Sphere	broken into a half and more	brokenin half	Inner damaged	Asymmetrical	1
DB1415	MST	I11	2	2	IV	Burnt	MRF/UP Arts	23/03/2017	OES	1,36	11,58	12	2,56	Rounded	Complete	Cyllider	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB1416	MST	I11	2	2	IV	Burnt	MRF/UP Arts	23/03/2017	OES	1,32	11,15	11	2,37	Rounded	Complete	Cyllider	Sphere	broken into a half and more	brokenin half	Inner damaged	Asymmetrical	1
DB1417	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	23/03/2017	OES	1,67	11,56	12	1,24	sub-rounded	Complete	Cyllider	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1

DB1418	MST	I11	2	2	IV	Burnt	MRF/UP Arts	23/03/2017	OES	1,47	11,48	11	2,03	angular	Complete	Cyllider	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB1419	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	23/03/2017	OES	1,42	11,17	11	2,44	Rounded	Complete	Cyllider	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB1420	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	23/03/2017	OES	1,73	11,05	11	2,51	angular	Complete	Cyllider	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB1421	MST	I11	2	2	IV	Burnt	MRF/UP Arts	23/03/2017	OES	1,29	10,67	11	2,2	Rounded	Complete	Cyllider	Oblate/Sphere	broken into a half and more	brokenin half	Inner damaged	Asymmetrical	1
DB1422	MST	I11	2	2	IV	Burnt	MRF/UP Arts	23/03/2017	OES	1,36	10,05	10	2,41	sub-rounded	Complete	Cyllider	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB1423	MST	I11	2	2	IV	Burnt	MRF/UP Arts	23/03/2017	OES	1,23	10,49	10	2,49	Rounded	Complete	Cyllider	Sphere	broken into a half and more	brokenin half	Inner damaged	Bead almost symmetrical	1
DB1424	MST	I11	2	2	IV	Burnt	MRF/UP Arts	23/03/2017	OES	1,5	10,55	11	1,93	sub-rounded	Complete	Cyllider	Sphere	broken into a half and more	brokenin half	Inner damaged	Asymmetrical	1

DB14 25	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	23/03/ 2017	OE S	1,7 5	10, 76	1 1	1, 99	angul ar	Compl ete	Cyllider	Sphere	broken into less than a half		No damage to layers/thic kness of bead	Asymme trical	1
DB14 26	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	23/03/ 2017	OE S	1,4 3	10, 97	1 1	1, 25	sub- round ed	Compl ete	Cyllider	Sphere	broken into a half and more	brokeni n half	Inner damaged	Asymme trical	1
DB14 27	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	23/03/ 2017	OE S	1,3 7	10, 24	1 0	2, 74	Roun ded	Compl ete	Cyllider	Sphere	broken into a half and more	brokeni n half	Inner damaged	Asymme trical	1
DB14 28	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	23/03/ 2017	OE S	1,5 5	10, 83	1 1	2, 4	Roun ded	compl ete	Cyllider	Sphere	broken into less than a half		Inner damaged	Bead almost symmetr ical	1
DB14 29	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	23/03/ 2017	OE S	1,7 7	10, 66	1 1	2, 13	Roun ded	Compl ete	Cyllider	Sphere	broken into a half and more	brokeni n half and corner chipper d off	Inner damaged	Asymme trical	1
DB14 30	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	23/03/ 2017	OE S	1,3 5	10, 91	1 1	1, 69	Roun ded	Compl ete	Cyllider	Sphere	broken into less than a half		Inner damaged	Asymme trical	1
DB14 31	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	23/03/ 2017	OE S	1,4 6	10, 46	1 0	1, 83	Roun ded	Compl ete	Cyllider	Sphere	broken into less than a half		No damage to layers/thic kness of bead	Asymme trical	1

DB1432	MST	I11	2	2	IV	Burnt	MRF/UP Arts	23/03/2017	OES	1,25	10	10	2,71	Rounded	Complete	Cyllider	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB1433	MST	I11	2	2	IV	Burnt	MRF/UP Arts	23/03/2017	OES	1,4	10,43	10	2,44	Rounded	Complete	Cyllider	Sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB1434	MST	I11	2	2	IV	Burnt	MRF/UP Arts	23/03/2017	OES	1,46	10,11	10	2,03	Rounded	Complete	Cyllider	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB1435	MST	I11	2	2	IV	Burnt	MRF/UP Arts	23/03/2017	OES	1,19	9,72	10	2,48	Rounded	Complete	Cyllider	Sphere	broken into a half and more	broken(more than half present)	Inner damaged	Asymmetrical	1
DB1436	MST	I11	2	2	IV	Burnt	MRF/UP Arts	23/03/2017	OES	1,24	10,63	11	1,66	Rounded	Complete	Cyllider	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB1437	MST	I11	2	2	IV	Burnt	MRF/UP Arts	23/03/2017	OES	1,37	10,33	10	1,48	Rounded	complete	Cyllider	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1

DB1438	MST	I11	2	2	IV	Burnt	MRF/UP Arts	23/03/2017	OES	1,54	10,21	10	2,51	Rounded	Complete	Cyllider	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB1439	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	23/03/2017	OES	1,9	9,68	10	2,7	Rounded	Complete	Cyllider	Sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB1440	MST	I11	2	2	IV	Burnt	MRF/UP Arts	23/03/2017	OES	1,45	9,96	10	2,14	Rounded	Complete	Cyllider	Sphere	broken into a half and more	broken(more than half present)	Inner damaged	Asymmetrical	1
DB1441	MST	I11	2	2	IV	Burnt	MRF/UP Arts	23/03/2017	OES	1,66	9,76	10	2,26	angular	Complete	Cyllider	Sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB1442	MST	I11	2	2	IV	Burnt	MRF/UP Arts	23/03/2017	OES	1,28	9,6	10	2,61	Rounded	Complete	Cyllider	Sphere	broken into a half and more	brokenin half	Inner damaged	Bead almost symmetrical	1
DB1443	MST	I11	2	2	IV	Burnt	MRF/UP Arts	23/03/2017	OES	1,31	9,83	10	2,02	Rounded	Complete	Cyllider	Sphere	broken into a half and more	brokenin half	Inner damaged	Asymmetrical	1

DB1444	MST	I11	2	2	IV	Burnt	MRF/UP Arts	23/03/2017	OES	1,45	10,3	10	2,38	Rounded	complete	Cyllider	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB1445	MST	I11	2	2	IV	Burnt	MRF/UP Arts	23/03/2017	OES	1,31	9,6	10	2,38	Rounded	Complete	Cyllider	Sphere	broken into a half and more	brokenin half	Inner damaged	Asymmetrical	1
DB1446	MST	I11	2	2	IV	Burnt	MRF/UP Arts	23/03/2017	OES	1,51	10,11	10	1,78	Rounded	Complete	Cyllider	Sphere	broken into a half and more	brokenin half	Inner damaged	Asymmetrical	1
DB1447	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	23/03/2017	OES	1,78	9,9	10	1,6	sub-rounded	Complete	Cyllider	Sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB1448	MST	I11	2	2	IV	Burnt	MRF/UP Arts	23/03/2017	OES	1,17	9,46	9	2,76	Rounded	Complete	Cyllider	Sphere	broken into a half and more	brokenin half	Inner damaged	Bead almost symmetrical	1
DB1449	MST	I11	2	2	IV	Burnt	MRF/UP Arts	23/03/2017	OES	1,43	10,12	10	2,72	Rounded	Complete	Cyllider	Sphere	broken into a half and more	brokenin half	Inner damaged	Asymmetrical	1
DB1450	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	23/03/2017	OES	1,28	9,01	9	1,43	Rounded	Complete	Cyllider	Sphere	broken into a half and more	brokenin half	Inner damaged	Asymmetrical	1
DB1451	MST	I11	2	2	IV	Burnt	MRF/UP Arts	23/03/2017	OES	1,37	9,96	10	2,73	Rounded	Complete	Cyllider	Sphere	broken into a half and more	brokenin half	Inner damaged	Asymmetrical	1

DB1452	MST	I11	2	2	IV	Burnt	MRF/UP Arts	23/03/2017	OES	1,43	9,36	9	2,68	Rounded	Complete	Cyllider	Sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB1453	MST	I11	2	2	IV	Burnt	MRF/UP Arts	23/03/2017	OES	1,53	10,37	10	1,75	Rounded	Complete	Cyllider	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB1454	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	23/03/2017	OES	1,65	10,1	10	2,19	Rounded	Complete	Cyllider	Sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB1455	MST	I11	2	2	IV	Burnt	MRF/UP Arts	23/03/2017	OES	1,11	9,81	10	2,33	Rounded	Complete	Cyllider	Sphere	broken into less than a half		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB1456	MST	I11	2	2	IV	Burnt	MRF/UP Arts	23/03/2017	OES	1,41	10,31	10	2,47	Rounded	Complete	Cyllider	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1

DB1457	MST	I11	2	2	IV	Burnt	MRF/UP Arts	23/03/2017	OES	1,53	9,3	9	2,15	angular	Complete		Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB1458	MST	I11	2	2	IV	Burnt	MRF/UP Arts	23/03/2017	OES	1,68	9,74	10	2,03	Rounded	Complete	Cyllider	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB1459	MST	I11	2	2	IV	Burnt	MRF/UP Arts	23/03/2017	OES	1,09	9,69	10	2,13	Rounded	Complete	Cyllider	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB1460	MST	I11	2	2	IV	Burnt	MRF/UP Arts	23/03/2017	OES	1,41	10,17	10	2,56	Rounded	Complete	Cyllider	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB1461	MST	I11	2	2	IV	Burnt	MRF/UP Arts	23/03/2017	OES	1,32	9,28	9	2,33	Rounded	Complete	Cyllider	Sphere	broken into less than a half		Inner damaged	Bead almost symmetrical	1
DB1462	MST	I11	2	2	IV	Burnt	MRF/UP Arts	23/03/2017	OES	1,48	9,63	10	2,78	Rounded	Complete	Cyllider	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1

DB1463	MST	I11	2	2	IV	Burnt	MRF/UP Arts	23/03/2017	OES	1,53	9,54	10	2,37	Rounded	Complete	Cyllider	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1464	MST	I11	2	2	IV	Burnt	MRF/UP Arts	23/03/2017	OES	1,21	9,31	9	2,32	Rounded	Complete	Cyllider	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1465	MST	I11	2	2	IV	Burnt	MRF/UP Arts	23/03/2017	OES	1,37	8,66	9	2,08	Rounded	Complete	Cyllider	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1466	MST	I11	2	2	IV	Burnt	MRF/UP Arts	23/03/2017	OES	1,23	9,72	10	1,46	Rounded	Complete	Cyllider	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB1467	MST	I11	2	2	IV	Burnt	MRF/UP Arts	23/03/2017	OES	1,36	8,94	9	2,39	Rounded	Complete	Cyllider	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB1468	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	23/03/2017	OES	1,33	8,56	9	1,65	Rounded	Complete	Cyllider	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB1469	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	23/03/2017	OES	Not filled in	8,97	9	2,71	Rounded	Complete	Cyllider	Sphere	broken into a half and more	broken(more than half present)	No damage to layers/thickness of bead	Asymmetrical	1
DB1470	MST	I11	2	2	IV	Burnt	MRF/UP Arts	24/03/2017	OES	1,38	8,86	9	1,44	angular	Complete	Cyllider	Sphere	broken into a half and more	brokenin half	Inner damaged	Asymmetrical	1

DB1471	MST	I11	2	2	IV	Burnt	MRF/UP Arts	24/03/2017	OES	1,37	8,67	9	1,93	Rounded	Complete	Cyllider	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB1472	MST	I11	2	2	IV	Burnt	MRF/UP Arts	24/03/2017	OES	1,84	8,65	9	2,27	Rounded	Complete	Cyllider	Sphere	broken into a half and more	brokenin half and corner chipperd off	No damage to layers/thickness of bead	Asymmetrical	1
DB1473	MST	I11	2	2	IV	Burnt	MRF/UP Arts	24/03/2017	OES	1,13	8,91	9	1,83	Rounded	Complete	Cyllider	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB1474	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	24/03/2017	OES	1,27	9,1	9	1,86	Rounded	Complete	Cyllider	Sphere	broken into less than a half		Inner damaged	Bead almost symmetrical	1
DB1475	MST	I11	2	2	IV	Burnt	MRF/UP Arts	24/03/2017	OES	1,36	7,52	8	1,7	sub-rounded	Complete	Cyllider	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB1476	MST	I11	2	2	IV	Burnt	MRF/UP Arts	24/03/2017	OES	1,16	7,39	7	2,64	Rounded	Complete	Cyllider	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1477	MST	I11	2	2	IV	Burnt	MRF/UP Arts	24/03/2017	OES	1,37	8,47	8	2,17	Rounded	Complete	Cyllider	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB1478	MST	I11	2	2	IV	Burnt	MRF/UP Arts	24/03/2017	OES	1,4	7,85	8	1,94	Rounded	Complete	Cyllider	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1

DB1479	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	24/03/2017	OES	1,76	10,41	10	1,36	Rounded	Complete	Cyllider	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB1480	MST	I11	2	2	IV	Burnt	MRF/UP Arts	24/03/2017	OES	1,35	7,8	8	0,74	Rounded	Complete	Cyllider	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB1481	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	24/03/2017	OES	1,28	7,56	8	1,59	Rounded	Complete	Cyllider	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB1482	MST	I11	2	2	IV	Burnt	MRF/UP Arts	24/03/2017	OES	1,47	8,2	8	2,28	Rounded	Complete	Cyllider	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB1483	MST	I11	2	2	IV	Burnt	MRF/UP Arts	24/03/2017	OES	1,07	7,41	7	1,10	Rounded	Complete	Cyllider	Sphere	broken into a half and more	brokenin half and corner chipperd off	Inner damaged	Asymmetrical	1
DB1484	MST	I11	2	2	IV	Burnt	MRF/UP Arts	24/03/2017	OES	1,34	9,25	9	2,19	sub-rounded	Complete	Cyllider	Sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1

DB1485	MST	I11	2	2	IV	Burnt	MRF/UP Arts	24/03/2017	OES	1,36	9,24	9	1,73	Rounded	Complete	Cyllider	Sphere	broken into a half and more	brokenin half	Inner damaged	Asymmetrical	1
DB1486	MST	I11	2	2	IV	Burnt	MRF/UP Arts	24/03/2017	OES	1,34	8,14	8	2,24	Rounded	Complete	Cyllider	Sphere	broken into a half and more	brokenin half	Inner damaged	Bead almost symmetrical	1
DB1487	MST	I11	2	2	IV	Burnt	MRF/UP Arts	24/03/2017	OES	1,46	8,15	8	1,2	angular	Complete	Cyllider	Sphere	broken into a half and more	brokenin half	Inner damaged	Asymmetrical	1
DB1488	MST	I11	2	2	IV	Burnt	MRF/UP Arts	24/03/2017	OES	1,25	7,5	8	1,32	Rounded	Complete	Cyllider	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB1489	MST	I11	2	2	IV	Burnt	MRF/UP Arts	24/03/2017	OES	1,41	8,95	9	2,43	Rounded	Complete	Cyllider	Sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Bead almost symmetrical	1
DB1490	MST	I11	2	2	IV	Burnt	MRF/UP Arts	24/03/2017	OES	1,46	8,62	9	2,12	angular	Complete	Cyllider	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1

DB1491	MST	I11	2	2	IV	Burnt	MRF/UP Arts	24/03/2017	OES	1,22	9,01	9	1,44	Rounded	Complete	Cyllider	Sphere	broken into a half and more	brokenin half	Inner damaged	Asymmetrical	1
DB1492	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	24/03/2017	OES	1,81	8,87	9	1,61	Rounded	Complete	Cyllider	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB1493	MST	I11	2	2	IV	Burnt	MRF/UP Arts	24/03/2017	OES	1,41	8,49	8	1,95	angular	Complete	Cyllider	Sphere	broken into a half and more	brokenin half and corner chipperd off	Inner damaged	Asymmetrical	1
DB1494	MST	I11	2	2	IV	Burnt	MRF/UP Arts	24/03/2017	OES	1,2	7,85	8	2,6	Rounded	Complete	Cyllider	Sphere	broken into a half and more	brokenin half	Inner damaged	Asymmetrical	1
DB1495	MST	I11	2	2	IV	Burnt	MRF/UP Arts	24/03/2017	OES	1,44	8,58	9	1,81	Rounded	Complete	Cyllider	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB1496	MST	I11	2	2	IV	Burnt	MRF/UP Arts	27/03/2017	OES	1,48	8,01	8	1,91	angular	complete	cylinder	sphere	broken into a half and more	brokenin half	Inner damaged	Asymmetrical	1
DB1497	MST	I11	2	2	IV	Burnt	MRF/UP Arts	27/03/2017	OES	1,45	8,48	8	2,4	rounded	complete	cylinder	sphere	broken into less than a half		Inner damaged	Asymmetrical	1

DB1498	MST	I11	2	2	IV	Burnt	MRF/UP Arts	27/03/2017	OES	1,5	7,84	8	1,97	angular	complete	cylinder	sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB1499	MST	I11	2	2	IV	Burnt	MRF/UP Arts	27/03/2017	OES	1,19	8,52	9	1,95	rounded	complete	cylinder	sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB1500	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	27/03/2017	OES	1,35	7,68	8	1,61	rounded	complete	cylinder	sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB1501	MST	I11	2	2	IV	Burnt	MRF/UP Arts	27/03/2017	OES	7,39	1,05	1	1,82	rounded	complete	cylinder	sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB1502	MST	I11	2	2	IV	Burnt	MRF/UP Arts	27/03/2017	OES	1,19	7,74	8	2,2	rounded	complete	cylinder	sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB1503	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	27/03/2017	OES	1,33	7,67	8	2,36	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1504	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	27/03/2017	OES	1,19	8,34	8	1,91	rounded	complete	cylinder	sphere	broken into less		Inner damaged	Asymmetrical	1

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DB1505	MST	I11	2	2	IV	Burnt	MRF/UP Arts	27/03/2017	OES	0,94	7,18	7	3,07	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	Inner damaged	Bead almost symmetrical	1
DB1506	MST	I11	2	2	IV	Burnt	MRF/UP Arts	27/03/2017	OES	1,37	7,08	7	1,6	sub-rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	Inner damaged	Asymmetrical	1
DB1507	MST	I11	2	2	IV	Burnt	MRF/UP Arts	27/03/2017	OES	1,21	6,84	7	2,6	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	Inner damaged	Bead almost symmetrical	1
DB1508	MST	I11	2	2	IV	Burnt	MRF/UP Arts	27/03/2017	OES	1,48	8,01	8	1,91	angular	Complete	Cyllider	Sphere	broken into a half and more	brokenin half	Inner damaged	Asymmetrical	1
DB1509	MST	I11	2	2	IV	Burnt	MRF/UP Arts	27/03/2017	OES	1,45	8,48	8	2,4	Rounded	Complete	Cyllider	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB1510	MST	I11	2	2	IV	Burnt	MRF/UP Arts	27/03/2017	OES	1,5	7,84	8	1,97	angular	Complete	Cyllider	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1

DB1511	MST	I11	2	2	IV	Burnt	MRF/UP Arts	27/03/2017	OES	1,19	8,52	9	1,95	Rounded	Complete	Cyllider	Sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB1512	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	27/03/2017	OES	1,35	7,68	8	1,61	Rounded	Complete	Cylinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB1513	MST	I11	2	2	IV	Burnt	MRF/UP Arts	27/03/2017	OES	7,39	1,05	1	1,82	Rounded	Complete	Cylinder	Sphere	broken into less than a half	brokenin half	Inner damaged	Asymmetrical	1
DB1514	MST	I11	2	2	IV	Burnt	MRF/UP Arts	27/03/2017	OES	1,19	7,74	8	2,2	Rounded	Complete	Cylinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB1515	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	27/03/2017	OES	1,33	7,67	8	2,36	Rounded	Complete	Cyllinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB1516	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	27/03/2017	OES	1,19	8,34	8	1,91	Rounded	Complete	Cyllinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB1517	MST	I11	2	2	IV	Burnt	MRF/UP Arts	27/03/2017	OES	0,94	7,18	7	3,07	Rounded	Complete	Cyllinder	Sphere	broken into a half and more	brokenin half	Inner damaged	Bead almost symmetrical	1

DB15 18	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	27/03/ 2017	OE S	1,3 7	7,0 8	7	1, 6	sub-round ed	Compl ete	Cyllinde r	Sphere	broken into a half and more	brokeni n half	Inner damaged	Asymme trical	1
DB15 19	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	27/03/ 2017	OE S	1,2 1	6,8 4	7	2, 6	Roun ded	Compl ete	Cyllinde r	Sphere	broken into a half and more	brokeni n half	Inner damaged	Asymme trical	1
DB15 20	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	27/03/ 2017	OE S	1,5 8	7,7 2	8	1, 83	Roun ded	Compl ete	Cyllinde r	Sphere	broken into less than a half		No damage to layers/thic kness of bead	Asymme trical	1
DB15 21	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	27/03/ 2017	OE S	1,5 1	7,4 5	7	1, 44	sub-round ed	Compl ete	Cyllinde r	Sphere	broken into less than a half		Inner damaged	Asymme trical	1
DB15 22	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	27/03/ 2017	OE S	1,2 2	6,8 5	7	2, 4	Roun ded	Compl ete	Cyllinde r	Sphere	broken into less than a half		Inner damaged	Asymme trical	1
DB15 23	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	27/03/ 2017	OE S	1,0 9	6,6 7	7	2, 25	Roun ded	Compl ete	Cyllinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Bead almost symmetr ical	1
DB15 24	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	27/03/ 2017	OE S	1,2 6	5,9 3	6	1, 48	Roun ded	Compl ete	Cyllinde r	Sphere	broken into less than a half		Inner damaged	Asymme trical	1

DB15 25	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	27/03/ 2017	OE S	1,1 2	6,3 4	6	2, 28	Roun ded	Compl ete	Cyllinde r	Sphere	broken into less than a half		No damage to layers/thic kness of bead	Asymme trical	1
DB15 26	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	27/03/ 2017	OE S	1,3 9	6,8	7	1, 63	Roun ded	Compl ete	Cyllinde r	Sphere	broken into a half and more	broken(more than half present)	No damage to layers/thic kness of bead	Asymme trical	1
DB15 27	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	27/03/ 2017	OE S	1,2 5	5,1 7	5	1, 18	Roun ded	Compl ete	Cyllinde r	Sphere	broken into a half and more		Outer damaged	Asymme trical	1
DB15 28	MS T	I1 1	2	2	IV	Unbu rnt	MRF/UP Arts	27/03/ 2017	OE S	1,5 1	5,1 9	5	2, 38	Roun ded	Compl ete	Cyllinde r	Sphere	broken into a half and more	brokeni n half	No damage to layers/thic kness of bead	Bead almost symmetr ical	1
DB15 29	MS T	I1 1	2	2	IV	Burnt	MRF/UP Arts	27/03/ 2017	OE S	1,4 2	5,1 9	5	1, 45	Roun ded	Compl ete	Cyllinde r	Sphere	broken into a half and more	brokeni n half	No damage to layers/thic kness of bead	Asymme trical	1

DB1530	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	27/03/2017	BN	3,87	6,42	6	0,73	Rounded		Tube	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB1531	MST	I11	2	2	IV	Unburnt	MRF/UP Arts	27/03/2017	OES	1,68	12,08	12	2,85	Rounded	Complete	Cyllinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1532	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42829	OES	1,71	6,14	6	1,33	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB1533	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42831	OES	1,9	15,97	16	2,52	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1

DB1534	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42831	OES	1,95	13,17	13	2,26	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1535	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42831	OES	1,81	13,6	14	1,61	Rounded	Complete	Cylinder	Sphere	broken into a half and more		Inner damaged	Asymmetrical	1
DB1536	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42831	OES	1,46	12,86	13	1,95	angular	Complete	Cylinder	Sphere	broken into a half and more		Inner damaged	Asymmetrical	1
DB1537	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42831	OES	1,84	13,28	13	1,69	Rounded	Complete	Cylinder	Sphere	broken into a half and more		Inner damaged	Asymmetrical	1
DB1538	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42831	OES	1,77	12,32	12	1,69	Rounded	Complete	Cylinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB1539	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42831	OES	1,4	11,74	12	2,17	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1540	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42831	OES	1,43	11,55	12	2,14	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB15 41	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	42831	OE S	1,7 8	11, 96	1 2	1, 82	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB15 42	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	42831	OE S	1,7 5	11, 49	1 1	1, 84	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB15 43	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	42831	OE S	2	11, 26	1 1	1, 29	angul ar	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB15 44	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	42831	OE S	1,7 2	12, 05	1 2	2, 81	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Edge almost symmetr ical	1
DB15 45	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	42831	OE S	2,1 3	11, 76	1 2	2, 67	angul ar	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1

DB15 46	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	42831	OE S	2,0 2	11, 54	1 2	2, 14	angul ar	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB15 47	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	42831	OE S	1,7 8	11, 62	1 2	1, 34	sub-round ed	Compl ete	Cylinde r	Oblate	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB15 48	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	42831	OE S	1,9 2	11, 43	1 1	1, 95	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB15 49	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	42831	OE S	1,7 2	11, 43	1 1	1, 98	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Edge almost symmetr ical	1
DB15 50	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	42831	OE S	1,6 9	11, 4	1 1	2, 13	sub-round ed	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB15 51	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	42831	OE S	1,5 3	10, 75	1 1	3, 01	Roun ded	Compl ete	Cylinde r	Sphere	not broken in		Inner damaged	Asymme trical	1

																		diameter				
DB1552	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42831	OES	1,44	10,78	11	2,66	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1553	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42832	OES	1,29	13,6	14	3,06	Rounded	Complete	Cylinder	Sphere	broken into a half and more		Inner damaged	Asymmetrical	1
DB1554	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42832	OES	1,32	12,09	12	2,61	Rounded	Complete	Cylinder	Sphere	broken into a half and more		Inner damaged	Asymmetrical	1
DB1555	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42832	OES	1,83	12,17	12	2,15	sub-rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB1556	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42832	OES	1,42	11,66	12	2,47	Rounded	Complete	Cylinder	Sphere	broken into a half and more		Inner damaged	Asymmetrical	1
DB1557	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42832	OES	1,47	12,17	12	1,48	sub-rounded	Complete	Cylinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB1558	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42832	OES	1,48	11,67	12	2,14	sub-rounded	Complete	Cylinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1

DB1559	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42832	OES	1,5	11,46	11	2,02	Rounded	Complete	Cylinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1
DB1560	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42832	OES	1,95	11,8	12	2,16	Rounded	Complete	Cylinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB1561	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42832	OES	1,37	11,86	12	2,27	Rounded	Complete	Cylinder	Sphere	broken into a half and more		Inner damaged	Asymmetrical	1
DB1562	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42832	OES	1,46	11,05	11	0	Rounded	Complete	Cylinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB1563	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42832	OES	1,51	11,66	12	2,04	Rounded	Complete	Cylinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB1564	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42832	OES	1,6	11,09	11	1,97	Rounded	Complete	Cylinder	Sphere	broken into less than a half	broken in half and missing a corner	Outer damaged	Asymmetrical	1
DB1565	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42832	OES	1,4	11,01	11	1,46	Rounded	Complete	Cylinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB1566	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42832	OES	1,36	11,73	12	1,72	Rounded	Complete	Cylinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1

DB15 67	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	42832	OE S	1,4 3	11, 28	1 1	1, 61	Roun ded	Compl ete	Cylinde r	Sphere	broken into less than a half		Inner damaged	Asymme trical	1
DB15 68	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	42832	OE S	1,2 1	11, 09	1 1	1, 58	Roun ded	Compl ete	Cylinde r	Somewh at triangular	broken into a half and more		Inner damaged	Asymme trical	1
DB15 69	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	42832	OE S	1,4	11, 21	1 1	1, 97	Roun ded	Compl ete	Cylinde r	Sphere	broken into a half and more		Inner damaged	Asymme trical	1
DB15 70	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	42832	OE S	1,9 1	11, 53	1 2	1, 33	Roun ded	Compl ete	Cylinde r	Sphere	broken into less than a half		Inner damaged	Asymme trical	1
DB15 71	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	42832	OE S	1,2 6	11, 26	1 1	2, 97	Roun ded	Compl ete	Cylinde r	Sphere	broken into a half and more		No damage to layers/thic kness of bead	Bead almost symmetr ical	1
DB15 72	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	42832	OE S	1,9 4	11, 14	1 1	1, 7	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Outer damaged	Asymme trical	1
DB15 73	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	42832	OE S	2,0 8	11, 6	1 2	2, 48	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1

DB1574	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42832	OES	1,52	11,18	11	2,72	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1575	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42832	OES	1,98	10,76	11	1,93	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1576	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42832	OES	1,34	10,93	11	2,67	Rounded	Complete	Cylinder	Oblate	not broken in diameter		Inner damaged	Asymmetrical	1
DB1577	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42832	OES	1,37	10,67	11	2,11	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1578	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42832	OES	1,51	11,02	11	2,37	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1579	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42862	OES	1,24	10,42	10	2,9	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1580	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42862	OES	1,72	10,94	11	1,82	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1

DB1581	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42862	OES	1,98	10,8	11	1,62	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1582	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42862	OES	1,52	10,44	10	1,82	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1583	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42862	OES	1,55	10,39	10	2,66	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1584	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42862	OES	1,58	10,53	11	2,47	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1585	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42862	OES	1,41	10,39	10	2,69	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1

DB1586	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42862	OES	1,91	10,17	10	2,27	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1587	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42862	OES	1,94	10,88	11	1,95	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1588	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42862	OES	1,4	11,29	11	1,89	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1589	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42862	OES	1,47	10,65	11	1,59	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1590	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42862	OES	1,83	10,44	10	1,5	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1591	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42862	OES	1,52	10,41	10	1,87	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB1592	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42862	OES	1,88	10,67	11	2,99	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1593	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42862	OES	1,48	11,07	11	1,5	angular	Complete	Cylinder	Sphere	broken into a half and more		Inner damaged	Asymmetrical	1
DB1594	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42862	OES	1,41	11,37	11	1,74	Rounded	Complete	Cylinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB1595	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42862	OES	1,41	11,4	11	2,29	Rounded	Complete	Cylinder	Sphere	broken into a half and more	brokenin half	Inner damaged	Asymmetrical	1
DB1596	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42862	OES	1,43	10,81	11	2,21	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1597	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42862	OES	1,43	11,63	12	1,93	Rounded	Complete	Cylinder	Sphere	broken into less than a half	broken in half and missing a corner	Inner damaged	Asymmetrical	1
DB1598	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42862	OES	1,4	11,63	12	1,93	Rounded	Complete	Cylinder	Sphere	broken into a half and more		Inner damaged	Asymmetrical	1
DB1599	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42862	OES	1,38	11,09	11	2,32	Rounded	Complete	Cylinder	Sphere	broken into a half and more		Inner damaged	Edge almost symmetrical	1

DB1600	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42862	OES	1,36	10,21	10	2,62	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1601	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42862	OES	1,37	10,76	11	2,62	angular	Complete	Cylinder	Sphere	broken into a half and more		Inner damaged	Asymmetrical	1
DB1602	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42862	OES	1,44	10,69	11	1,87	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1603	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42862	OES	1,66	10,29	10	1,97	Rounded	Complete	Cylinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1
DB1604	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42862	OES	1,64	10,32	10	2,27	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1605	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42862	OES	1,46	10,93	11	1,37	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB1606	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42862	OES	1,99	11,04	11	1,6	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1607	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42862	OES	1,56	10,7	11	1,95	Rounded	Complete	Cylinder	Irregular	not broken in diameter		Inner damaged	Asymmetrical	1
DB1608	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42862	OES	1,64	10,19	10	2,45	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1609	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42862	OES	1,9	10,5	11	1,9	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB1610	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42862	OES	1,97	10,44	10	2,29	Rounded	Complete	Cylinder	Sphere	broken into a half and more		Inner damaged	Asymmetrical	1
DB1611	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42862	OES	1,43	10,27	10	2,06	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1

DB1612	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42862	OES	1,41	10,64	11	1,84	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1613	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42862	OES	2,04	9,94	10	1,58	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1614	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42862	OES	1,9	10,65	11	1,85	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1615	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42862	OES	1,81	9,98	10	1,62	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1616	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42862	OES	1,39	10,09	10	2,71	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1

DB1617	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42862	OES	1,77	10,5	11	1,85	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1618	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42862	OES	1,48	10,38	10	2,08	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1619	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42862	OES	1,44	10,14	10	2,19	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1
DB1620	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42862	OES	1,44	10,02	10	2,82	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Edge almost symmetrical	1
DB1621	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42862	OES	1,52	9,93	10	2,6	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1622	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42862	OES	1,22	10,07	10	2,23	angular	Complete	Cylinder	Oblate	not broken in diameter		Inner damaged	Asymmetrical	1

DB1623	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42862	OES	2,05	10,08	10	2,23	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1624	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42862	OES	1,65	9,96	10	2,46	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1625	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42862	OES	1,68	9,87	10	2,37	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB1626	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42862	OES	2,03	10	10	2,2	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1627	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42832	OES	1,26	9,65	10	2,82	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB1628	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42832	OES	1,44	10,07	10	2,39	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB1629	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42832	OES	1,19	9,78	10	2,68	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1
DB1630	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42832	OES	1,59	10,28	10	1,37	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1631	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42832	OES	1,73	9,53	10	1,94	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1632	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42832	OES	1,63	9,4	9	1,93	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB1633	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42849	OES	1,6	9,44	9	2,9	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1634	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42849	OES	1,35	9,76	10	2,1	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1
DB1635	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42849	OES	1,37	9,58	10	2,43	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1
DB1636	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42849	OES	1,54	9,05	9	1,97	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB1637	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42849	OES	1,96	9,63	10	2,43	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1638	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42849	OES	1,4	9,7	10	1,73	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB1639	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42849	OES	1,41	9,62	10	2,27	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1640	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42849	OES	1,42	9,71	10	1,78	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1641	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42849	OES	1,72	9,59	10	2,19	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1642	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42849	OES	1,75	9,61	10	1,93	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1643	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42849	OES	1,15	9,47	9	2,79	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Edge almost symmetrical	1
DB1644	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42849	OES	1,5	9,34	9	1,94	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1645	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42849	OES	1,41	9,57	10	2,69	Rounded	Complete	Cylinder	Sphere	broken into a half and more	part of side broken off	Inner damaged	Asymmetrical	1

DB1646	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42849	OES	1,61	10,11	10	1,39	sub-rounded	Complete	Cylinder	Irregular	not broken in diameter		Inner damaged	Asymmetrical	1
DB1647	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42849	OES	1,58	9,32	9	2,05	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1648	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42849	OES	1,75	9,47	9	1,59	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1649	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42849	OES	1,48	9,14	9	1,87	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB1650	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42849	OES	1,99	9,71	10	2,32	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB1651	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42849	OES	2,07	9,15	9	1,76	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1652	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42849	OES	1,73	8,81	9	1,44	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1653	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42849	OES	1,34	9,44	9	2,32	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1654	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42849	OES	1,58	8,98	9	2,59	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1655	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42849	OES	1,37	9,89	10	1,95	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1656	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42849	OES	1,63	9,26	9	2,07	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1657	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42849	OES	1,51	8,77	9	1,74	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB1658	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42849	OES	1,34	9,22	9	1,99	Rounded	Complete	Hemisphere	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1659	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42849	OES	1,4	9,17	9	2,12	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1660	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42849	OES	1,89	8,95	9	1,53	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1661	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42849	OES	1,53	9,2	9	1,97	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1662	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42849	OES	1,71	9,24	9	1,95	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1663	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42849	OES	1,45	8,87	9	2,07	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1664	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42849	OES	1,81	9,22	9	2,26	Rounded	Complete	Cylinder	Sphere	not broken in		Inner damaged	Asymmetrical	1

																	diamet er				
DB16 65	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	42849	OE S	2,0 2	9,5 8	1 0	2, 09	sub-round ed	Compl ete	Cylinde r	Oblate	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB16 66	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	42849	OE S	1,7 1	9,3 1	9	2, 09	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB16 67	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	42849	OE S	1,1 4	8,7 9	9	2, 36	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Bead almost symmetr ical	1
DB16 68	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	42849	OE S	1,2 2	8,6 6	9	3, 23	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB16 69	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	42849	OE S	1,8 7	8,7 7	9	1, 27	sub-round ed	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1

DB1670	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42849	OES	1,93	8,77	9	2,14	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1671	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42849	OES	1,18	8,32	8	2,69	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1
DB1672	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42849	OES	1,41	8,92	9	1,74	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1673	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42849	OES	1,85	8,85	9	2,2	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1674	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42849	OES	1,52	8,87	9	2,24	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1675	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42849	OES	1,44	8,55	9	2,1	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1676	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42849	OES	1,6	8,67	9	1,5	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB1677	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42849	OES	1,35	8,42	8	1,86	sub-rounded	Complete	Cylinder	Irregular	not broken in diameter		Inner damaged	Asymmetrical	1
DB1678	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42849	OES	1,59	8,66	9	1,84	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1679	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42849	OES	1,38	8,01	8	2,28	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1680	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42849	OES	1,62	8,6	9	2,41	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB1681	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42849	OES	1,81	8,73	9	1,04	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1682	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42849	OES	1,76	8,58	9	2,24	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB1683	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42849	OES	1,56	9,11	9	1,24	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1684	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42849	OES	1,49	8,51	9	2,71	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB1685	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42849	OES	1,17	8,35	8	3,06	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1686	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42849	OES	0,91	8,56	9	1,81	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1687	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42849	OES	1,33	8,78	9	1,33	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1688	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42849	OES	1,82	8,73	9	2,39	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1689	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42849	OES	1,43	9,11	9	1,97	angular	Complete	Cylinder	Sphere	not broken in		Inner damaged	Asymmetrical	1

																		diameter				
DB1690	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42849	OES	1,68	8,25	8	2,56	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB1691	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42849	OES	1,52	8,96	9	3,25	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1692	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42849	OES	1,37	8,62	9	1,81	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1693	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42849	OES	1,79	8,45	8	1,95	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Edge almost symmetrical	1
DB1694	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42849	OES	1,5	1,47	1	8,55	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Edge almost symmetrical	1
DB1695	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42849	OES	1,61	8,83	9	2,58	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB1696	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42849	OES	1,5	8,35	8	1,93	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1697	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42849	OES	1,21	8,18	8	2,15	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1
DB1698	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42850	OES	1,61	8,26	8	1,73	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Edge almost symmetrical	1
DB1699	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42850	OES	1,88	8,1	8	0,88	angular	Complete	Trapezium	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1700	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42850	OES	1,48	8,78	9	1,88	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1701	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42850	OES	1,6	8,56	9	1,79	Rounded	Complete	Cylinder	Oblate	not broken in diameter		Inner damaged	Asymmetrical	1
DB1702	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42850	OES	1,45	8,56	9	1,27	sub-rounded	Complete	Cylinder	Oblate	not broken in diameter		Inner damaged	Asymmetrical	1

DB17 03	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	42850	OE S	1,4	8,5 9	9	1, 87	angul ar	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB17 04	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	42850	OE S	1,8 8	8,2 2	8	1, 54	sub-round ed	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB17 05	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	42850	OE S	1,6 7	8,0 4	8	1, 35	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB17 06	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	42850	OE S	1,3 9	8,2 9	8	2, 1	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB17 07	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	42850	OE S	1,3 6	7,9 3	8	2, 79	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1

DB17 08	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	42850	OE S	1,6 7	8,3 2	8	2, 45	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Edge almost symmetr ical	1
DB17 09	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	42850	OE S	1,5 4	8,3 3	8	1, 82	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB17 10	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	42850	OE S	1,2 5	8,3	8	1, 28	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB17 11	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	42850	OE S	1,4 5	8,4 6	8	2, 45	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Edge almost symmetr ical	1
DB17 12	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	42850	OE S	1,3 1	9,2 1	9	1, 84	sub-round ed	Compl ete	Cylinde r	Irregular	not broken in diamet er		Inner damaged	Asymme trical	1
DB17 13	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	42850	OE S	1,3 5	9,1 1	9	1, 07	angul ar	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1

DB1714	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42850	OES	8	8,92	9	2,96	Rounded	Complete	Cylinder	Irregular	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1715	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42850	OES	1,64	0	0	2,08	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1716	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42850	OES	1,25	8,26	8	2,42	Rounded	Complete	Cylinder	Sphere	broken into a half and more	broken in half	Inner damaged	Asymmetrical	1
DB1717	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42850	OES	1,72	8,23	8	2,43	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1718	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42850	OES	1,49	8,26	8	1,77	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1719	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42850	OES	1,28	8,78	9	1,51	angular	Complete	Cylinder	Irregular	not broken in diameter		Inner damaged	Asymmetrical	1
DB1720	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42850	OES	1,38	8,28	8	1,87	sub-rounded	Complete	Cylinder	Sphere	not broken in		Inner damaged	Asymmetrical	1

																	diameter				
DB1721	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42850	OES	1,34	1,92	2	1,72	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1722	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42850	OES	1,56	8,4	8	1,79	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1723	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42850	OES	1,56	8,24	8	2,51	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Edge almost symmetrical	1
DB1724	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42850	OES	1,56	8,23	8	2,31	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB1725	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42850	OES	1,75	8,25	8	2,31	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB1726	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42850	OES	1,36	7,88	8	2,54	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1727	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42850	OES	1,38	8,47	8	1,8	Rounded	Complete	Cylinder	Sphere	not broken in		Inner damaged	Asymmetrical	1

																diamet er				
DB17 28	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	42850	OE S	1,3 1	8,5 4	9	1, 96	angul ar	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB17 29	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	42850	OE S	1,3 5	8,3 4	8	1, 96	sub-round ed	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB17 30	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	42850	OE S	1,3 6	8,1 4	8	2, 06	angul ar	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB17 31	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	42850	OE S	1,8 4	8,3 1	8	0, 95	angul ar	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB17 32	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	42850	OE S	1,3 6	7,6 1	8	2, 58	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Bead almost symmetr ical	1
DB17 33	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	42850	OE S	1,5 6	8,0 7	8	1, 91	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1

DB1734	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42850	OES	1,28	2,5	3	2,42	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1735	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42850	OES	1,3	8,17	8	1,79	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1736	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42850	OES	1,81	8,42	8	1,8	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1737	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42850	OES	1,64	8,1	8	3,06	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1738	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42850	OES	1,78	8,22	8	3,17	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1739	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42850	OES	1,29	8,13	8	1,58	angular	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB17 40	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	42850	OE S	1,6 1	7,9 7	8	2, 45	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Bead almost symmetr ical	1
DB17 41	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	42850	OE S	0,7 6	7,9 2	8	3, 29	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Bead almost symmetr ical	1
DB17 42	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	42850	OE S	1,8 8	8,0 5	8	2, 07	angul ar	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB17 43	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	42850	OE S	1,2 6	8,0 6	8	1, 98	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Edge almost symmetr ical	1
DB17 44	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	42850	OE S	1,6 5	7,9	8	1, 45	angul ar	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB17 45	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	42850	OE S	1,3 8	8,1 2	8	1, 8	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1

DB1746	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42850	OES	1,81	8,04	8	2,25	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1747	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42850	OES	1,37	8,44	8	1,57	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1748	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42850	OES	1,62	7,95	8	2,76	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB1749	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42850	OES	1,2	8,16	8	2,13	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1750	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42850	OES	1,54	7,83	8	2,33	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB1751	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42850	OES	1,54	8	8	1,88	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1752	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42850	OES	1,48	8,24	8	1,83	angular	Complete	Cylinder	Sphere	not broken in		Inner damaged	Asymmetrical	1

																	diamet er				
DB17 53	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	42850	OE S	1,6 3	8,2 1	8	2, 11	Roun ded	Compl ete	Cylinde r	Oblate	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB17 54	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	42850	OE S	1,4 2	8,3 4	8	2, 34	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB17 55	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	42851	OE S	1,4 1	7,9 2	8	1, 74	sub-round ed	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB17 56	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	42851	OE S	1,3 6	7,8 7	8	2, 04	sub-round ed	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB17 57	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	42851	OE S	1,3 4	8,1 2	8	1, 03	sub-round ed	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB17 58	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	42851	OE S	1,4	7,3 9	7	0, 99	angul ar	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB17 59	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	42851	OE S	1,4 5	8,0 6	8	1, 95	sub-round ed	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB17 60	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	42851	OE S	1,3 9	7,7 4	8	2, 11	sub-round ed	Compl ete	Cylinde r	Sphere	not broken in		Inner damaged	Asymme trical	1

																	diameter				
DB1761	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,25	7,77	8	2, 58	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1762	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,31	7,62	8	1, 91	sub-rounded	Complete	Cylinder	Somewhat triangular	not broken in diameter		Inner damaged	Asymmetrical	1
DB1763	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,35	7,78	8	1, 86	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1
DB1764	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42851	OES	1,6	7,79	8	1, 78	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB1765	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,49	7,94	8	1, 94	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1766	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,76	7,95	8	1, 93	sub-rounded	Complete	Cylinder	Somewhat triangular	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB1767	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,49	7,61	8	2,41	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1768	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,73	7,47	7	1,66	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Edge almost symmetrical	1
DB1769	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,21	7,58	8	2,12	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1
DB1770	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,42	7,87	8	2,11	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Edge almost symmetrical	1
DB1771	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,41	7,57	8	1,64	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1
DB1772	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,58	7,73	8	1,47	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1773	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42851	OES	1,75	7,44	7	2,36	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB1774	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,46	7,54	8	1,54	Rounded	Complete	Cylinder	Somewhat triangular	not broken in diameter		Inner damaged	Asymmetrical	1
DB1775	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,15	7,36	7	2,97	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1
DB1776	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,33	7,82	8	1,15	sub-rounded	Complete	Cylinder	Oblate	not broken in diameter		Inner damaged	Asymmetrical	1
DB1777	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42851	OES	1,22	7,1	7	3,25	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB1778	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,35	7,09	7	1,98	sub-rounded	Complete	Cylinder	Oblate	not broken in diameter		Inner damaged	Asymmetrical	1
DB1779	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,36	7,06	7	1,49	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1780	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42851	OES	1,81	7,45	7	1,24	sub-rounded	Complete	Cylinder	Irregular	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB1781	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42851	OES	1,48	6,98	7	2,64	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB1782	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,43	7,03	7	1,63	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Edge almost symmetrical	1
DB1783	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,33	6,75	7	1,1	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1
DB1784	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,42	6,99	7	1,23	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Edge almost symmetrical	1
DB1785	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,51	7,63	8	2,02	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1786	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,39	7,26	7	1,2	angular	Complete	Cylinder	Somewhat triangular	not broken in diameter		Inner damaged	Asymmetrical	1
DB1787	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,47	7,83	8	2,05	angular	Complete	Cylinder	Oblate	not broken in diameter		Inner damaged	Asymmetrical	1

DB1788	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,46	6,61	7	1,07	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1789	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42851	OES	1,97	7,45	7	1,97	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1790	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42851	OES	1,63	7,17	7	1,84	angular	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1791	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,49	6,68	7	1,32	angular	Complete	Cylinder	Somewhat triangular	not broken in diameter		Inner damaged	Asymmetrical	1
DB1792	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,56	6,54	7	0,41	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1793	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,35	6,82	7	1,45	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1794	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,35	6,86	7	1,45	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB1795	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,38	6,58	7	1,75	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1796	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,82	6,83	7	0,99	sub-rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1797	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42851	OES	1,69	6,63	7	1,56	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1798	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,47	6,46	6	1,28	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1799	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,3	6,42	6	2	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Edge almost symmetrical	1
DB1800	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,22	6,4	6	2,15	Rounded	Complete	Cylinder	Sphere	not broken in diameter		Inner damaged	Edge almost symmetrical	1

DB18 01	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	42851	OE S	1,4 4	6,3 6	6	1, 6	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Edge almost symmetr ical	1
DB18 02	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	42851	OE S	1,5 2	6,2 5	6	2, 23	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB18 03	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	42851	OE S	1,7 2	6,4	6	1, 28	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB18 04	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	42851	OE S	1,3 9	6,4 7	6	1, 08	angul ar	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB18 05	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	42851	OE S	1,5 9	6,4	6	2, 14	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Edge almost symmetr ical	1

DB18 06	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	42851	OE S	1,5 5	6,3 7	6	2, 05	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Edge almost symmetr ical	1
DB18 07	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	42851	OE S	0,9	6,1 7	6	2, 18	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Bead almost symmetr ical	1
DB18 08	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	42851	OE S	1,5 4	6,2 5	6	0, 86	sub-round ed	Compl ete	Cylinde r	Irregular	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB18 09	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	42851	OE S	1,5 1	6,2 5	6	1, 62	Roun ded	Compl ete	Cylinde r	Oblate	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB18 10	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	42851	OE S	1,3 8	5,9 5	6	1, 93	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1

DB18 11	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	42851	OE S	1,3 9	5,7 7	6	1, 53	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB18 12	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	43095	OE S	1,5 4	5,6 4	6	1, 21	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB18 13	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	42851	OE S	1,5 7	5,6 3	6	1, 56	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Edge almost symmetr ical	1
DB18 14	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	42851	OE S	1,2 4	5,5 2	6	2, 25	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Bead almost symmetr ical	1
DB18 15	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	42851	OE S	1,2 9	5,5 6	6	1, 76	Roun ded	Compl ete	Cylinde r	Sphere	not broken in diamet er		No damage to layers/thic kness of bead	Edge almost symmetr ical	1

DB1816	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	2,01	5,31	5	0,82	Rounded	Complete	Cylinder	Oblate	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1817	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42851	OES	1,03	4,8	5	2,29	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB1818	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42851	OES	1,12	4,78	5	1,92	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB1819	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42851	OES	1,44	4,63	5	1,21	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB1820	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42851	OES	1,61	4,32	4	1,23	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB1821	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42851	OES	1,73	4,24	4	1,06	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB1822	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42851	OES	1,82	4,3	4	0,8	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1823	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42851	BN	0,96	9,9	10	5,51	Rounded	Complete	Cylinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1
DB1824	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,07	8,06	8	2,54	Rounded	Complete	Cylinder	Sphere	broken into a half and more		Inner damaged	Asymmetrical	1

DB1825	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42851	OES	1,04	7,9	8	2,27	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB1826	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42851	OES	1,78	8,09	8	2,1	sub-rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB1827	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,54	7,61	8	1,76	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB1828	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42851	OES	1,07	7,97	8	1,79	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1

DB1829	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,5	7,77	8	1,51	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB1830	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,4	7,64	8	2,24	Rounded	Complete	Cylinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1
DB1831	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42851	OES	1,72	7,41	7	1,48	Rounded	Complete	Cylinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1
DB1832	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,48	7,52	8	2,02	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB1833	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,31	7,62	8	2,03	Rounded	Complete	Cylinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1

DB1834	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42851	OES	1,44	7,21	7	2,14	sub-rounded	Complete	Cylinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1
DB1835	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,32	7,02	7	1,93	Rounded	Complete	Cylinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1
DB1836	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,48	7,42	7	2,16	Rounded	Complete	Cylinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1
DB1837	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42851	OES	1,02	6,87	7	2,68	Rounded	Complete	Cylinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1
DB1838	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,25	6,71	7	2,27	sub-rounded	Complete	Cylinder	Sphere	broken into a half and more		Inner damaged	Asymmetrical	1

DB1839	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42851	OES	0,83	7,19	7	1,52	Rounded	Complete	Cylinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1
DB1840	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,31	7,4	7	1,61	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB1841	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,2	7,4	7	1,91	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB1842	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42851	OES	1,03	6,53	7	1,64	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1

DB1843	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42851	OES	2,03	6,19	6	1,96	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB1844	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42851	OES	1	5,88	6	2,67	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB1845	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42851	OES	1,18	5,88	6	2,19	Rounded	Complete	Cylinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1
DB1846	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42851	OES	1,24	5,46	5	1,89	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1

DB1847	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42851	OES	1,64	4,19	4	1,37	Rounded	Complete	Cylinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1
DB1848	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42851	OES	1,83	3,84	4	0,97	Rounded	Complete	Cylinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1
DB1849	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,32	8,53	9	1,83	Rounded	Complete	Cylinder	Sphere	broken into a half and more		Inner damaged	Asymmetrical	1
DB1850	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,2	9,11	9	2,32	Rounded	Complete	Cylinder	Sphere	broken into a half and more		Inner damaged	Asymmetrical	1
DB1851	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,53	8,47	8	2,37	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1

DB1852	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,28	8,03	8	0	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB1853	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,24	7,92	8	1,64	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB1854	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	42851	OES	1,53	6,76	7	1,79	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB1855	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,32	8,77	9	2,04	Rounded	Complete	Cylinder	Sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1
DB1856	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,31	8,8	9	2,5	Rounded	Complete	Cylinder	Sphere	broken into a half and more	broken in half	Inner damaged	Asymmetrical	1
DB1857	MST	I11	3	2	IV	Burnt	MRF/UP Arts	42851	OES	1,45	8,59	9	2,12	Rounded	Complete	Cylinder	Sphere	broken into a half		Inner damaged	Asymmetrical	1

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DB18 58	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	42851	OE S	1,5	8,1 8	8	2, 03	sub-round ed	Compl ete	Cylinde r	Irregular	broken into a half and more		Inner damaged	Asymme trical	1
DB18 59	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	26/04/ 2017	OE S	1,2 5	9,1 4	9	1, 63	round ed	compl ete	cylinder	sphere	broken into a half and more		No damage to layers/thic kness of bead	Asymme trical	1
DB18 60	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	26/04/ 2017	OE S	1,8	10, 45	1 0	1, 91	sub-round ed	compl ete	cylinder	sphere	broken into a half and more		Inner damaged	Asymme trical	1
DB18 61	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	26/04/ 2017	OE S	1,3 7	10, 14	1 0	2, 04	round ed	compl ete	cylinder	sphere	broken into a half and more		Inner damaged	Asymme trical	1
DB18 62	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	26/04/ 2017	OE S	1,3 8	10, 95	1 1	1, 66	round ed	compl ete	cylinder	sphere	broken into less than a half		Inner damaged	Asymme trical	1
DB18 63	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	26/04/ 2017	OE S	1,3 8	10, 36	1 0	1, 96	round ed	compl ete	cylinder	sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB18 64	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	26/04/ 2017	OE S	1,2 6	10, 04	1 0	2, 17	sub-round ed	compl ete	cylinder	sphere	broken into a half and more		Inner damaged	Asymme trical	1
DB18 65	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	26/04/ 2017	OE S	1,4 5	9,3 7	9	1, 69	angul ar	compl ete	cylinder	sphere	broken into a half		Inner damaged	Asymme trical	1

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DB18 66	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	26/04/ 2017	OE S	1,5 6	9,8 7	1 0	1, 48	round ed	compl ete	cylinder	sphere	broken into less than a half		No damage to layers/thic kness of bead	Asymme trical	1
DB18 67	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	26/04/ 2017	OE S	1,4 5	9,8 7	1 0	2	sub- round ed	compl ete	cylinder	sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB18 68	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	26/04/ 2017	OE S	1,1 3	9,8 2	1 0	2, 89	round ed	compl ete	cylinder	sphere	not broken in diamet er		Inner damaged	Bead almost symmetr ical	1
DB18 69	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	26/04/ 2017	OE S	1,8 7	10, 07	1 0	2, 31	round ed	compl ete	cylinder	sphere	broken into less than a half		No damage to layers/thic kness of bead	Asymme trical	1
DB18 70	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	26/04/ 2017	OE S	1,3 7	10, 07	1 0	1, 91	round ed	compl ete	cylinder	sphere	broken into less than a half		Inner damaged	Asymme trical	1
DB18 71	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	26/04/ 2017	OE S	1,3 7	9,8 9	1 0	2, 45	round ed	compl ete	cylinder	sphere	broken into less than a half		Inner damaged	Asymme trical	1
DB18 72	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	26/04/ 2017	OE S	1,3 2	9,8 1	1 0	1, 9	round ed	compl ete	cylinder	sphere	broken into a half		Inner damaged	Asymme trical	1

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DB18 73	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	26/04/ 2017	OE S	1,3 8	9,9	1 0	1, 81	round ed	compl ete	cylinder	sphere	broken into less than a half		Inner damaged	Asymme trical	1
DB18 74	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	26/04/ 2017	OE S	1,2 2	10, 26	1 0	2, 53	round ed	compl ete	cylinder	sphere	broken into less than a half		Inner damaged	Asymme trical	1
DB18 75	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	26/04/ 2017	OE S	1,6 7	9,5 8	1 0	1, 73	round ed	compl ete	cylinder	sphere	broken into a half and more		Outer damaged	Asymme trical	1
DB18 76	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	26/04/ 2017	OE S	1,3 8	9,9 1	1 0	1, 5	sub-round ed	compl ete	cylinder	sphere	broken into a half and more		Inner damaged	Asymme trical	1
DB18 77	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	26/04/ 2017	OE S	1,2 9	9,4	9	2, 33	sub-round ed	compl ete	cylinder	sphere	broken into a half and more		Inner damaged	Asymme trical	1
DB18 78	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	26/04/ 2017	OE S	1,2 8	10, 19	1 0	2, 46	round ed	compl ete	cylinder	sphere	broken into less than a half		Inner damaged	Asymme trical	1
DB18 79	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	26/04/ 2017	OE S	1,4 1	10	1 0	1, 84	round ed	compl ete	cylinder	sphere	broken into less than a half		Inner damaged	Asymme trical	1
DB18 80	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	26/04/ 2017	OE S	1,3 6	9,9	1 0	2, 05	round ed	compl ete	cylinder	sphere	broken into less than a half		Inner damaged	Asymme trical	1

DB1881	MST	I11	3	2	IV	Burnt	MRF/UP Arts	26/04/2017	OES	1,35	9,63	10	2,1	angular	complete	cylinder	sphere	broken into a half and more		Inner damaged	Asymmetrical	1
DB1882	MST	I11	3	2	IV	Burnt	MRF/UP Arts	26/04/2017	OES	1,38	9,93	10	2,08	sub-rounded	complete	cylinder	sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB1883	MST	I11	3	2	IV	Burnt	MRF/UP Arts	26/04/2017	OES	1,39	8,76	9	2,24	rounded	complete	cylinder	sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB1884	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	26/04/2017	OES	1,59	8,88	9	2,7	rounded	complete	cylinder	sphere	broken into a half and more		Inner damaged	Asymmetrical	1
DB1885	MST	I11	3	2	IV	Burnt	MRF/UP Arts	26/04/2017	OES	1,28	9,75	10	2,79	rounded	complete	cylinder	sphere	broken into a half and more		Inner damaged	Bead almost symmetrical	1
DB1886	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	26/04/2017	OES	1,27	9,33	9	2,23	rounded	complete	cylinder	sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1
DB1887	MST	I11	3	2	IV	Burnt	MRF/UP Arts	26/04/2017	OES	1,49	9,26	9	2	sub-rounded	complete	cylinder	sphere	broken into a half and more		Inner damaged	Asymmetrical	1
DB1888	MST	I11	3	2	IV	Burnt	MRF/UP Arts	26/04/2017	OES	1,36	9,27	9	2,18	rounded	complete	cylinder	sphere	broken into less than a half		Inner damaged	Asymmetrical	1

DB1889	MST	I11	3	2	IV	Burnt	MRF/UP Arts	26/04/2017	OES	1,47	9,19	9	2,11	angular	complete	cylinder	sphere	broken into a half and more		Inner damaged	Asymmetrical	1
DB1890	MST	I11	3	2	IV	Burnt	MRF/UP Arts	26/04/2017	OES	1,44	9,53	10	2,64	rounded	complete	cylinder	sphere	broken into a half and more		Inner damaged	Asymmetrical	1
DB1891	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	26/04/2017	OES	1,78	9,46	9	1,88	rounded	complete	cylinder	sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB1892	MST	I11	3	2	IV	Burnt	MRF/UP Arts	26/04/2017	OES	1,39	9,56	10	2,45	rounded	complete	cylinder	sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB1893	MST	I11	3	2	IV	Burnt	MRF/UP Arts	26/04/2017	OES	1,38	9,26	9	1,43	angular	complete	cylinder	sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB1894	MST	I11	3	2	IV	Burnt	MRF/UP Arts	26/04/2017	OES	1,46	9,02	9	2,29	rounded	complete	cylinder	sphere	broken into a half and more		Inner damaged	Asymmetrical	1
DB1895	MST	I11	3	2	IV	Burnt	MRF/UP Arts	26/04/2017	OES	1,34	9,01	9	1,4	rounded	complete	cylinder	sphere	broken into a half and more		Inner damaged	Asymmetrical	1
DB1896	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	26/04/2017	OES	1,49	9,03	9	1,92	sub-rounded	complete	cylinder	sphere	broken into a half and more		Inner damaged	Asymmetrical	1

DB1897	MST	I11	3	2	IV	Burnt	MRF/UP Arts	26/04/2017	OES	1,65	9,37	9	1,47	sub-rounded	complete	cylinder	sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB1898	MST	I11	3	2	IV	Burnt	MRF/UP Arts	26/04/2017	OES	1,14	9,05	9	2,58	rounded	complete	cylinder	sphere	broken into a half and more		Inner damaged	Bead almost symmetrical	1
DB1899	MST	I11	3	2	IV	Burnt	MRF/UP Arts	26/04/2017	OES	1,54	8,97	9	2,56	rounded	complete	cylinder	sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB1900	MST	I11	3	2	IV	Burnt	MRF/UP Arts	26/04/2017	OES	1,78	9,11	9	1,74	rounded	complete	cylinder	sphere	broken into a half and more		Inner damaged	Asymmetrical	1
DB1901	MST	I11	3	2	IV	Burnt	MRF/UP Arts	26/04/2017	OES	1,23	8,61	9	1,95	angular	complete	cylinder	sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB1902	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	26/04/2017	OES	1,39	8,93	9	1,63	rounded	complete	cylinder	sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB1903	MST	I11	3	2	IV	Burnt	MRF/UP Arts	26/04/2017	OES	1,52	9,69	10	0,59	sub-rounded	complete	cylinder	sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB1904	MST	I11	3	2	IV	Burnt	MRF/UP Arts	26/04/2017	OES	1,32	9,18	9	1,54	rounded	complete	cylinder	sphere	broken into less than a half		Inner damaged	Asymmetrical	1

DB1905	MST	I11	3	2	IV	Burnt	MRF/UP Arts	26/04/2017	OES	1,39	8,8	9	0,56	rounded	complete	cylinder	sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB1906	MST	I11	3	2	IV	Burnt	MRF/UP Arts	26/04/2017	OES	1,33	8,98	9	--	rounded	complete	cylinder	sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB1907	MST	I11	3	2	IV	Burnt	MRF/UP Arts	26/04/2017	OES	1,78	8,88	9	1,7	rounded	complete	cylinder	sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB1908	MST	I11	3	2	IV	Burnt	MRF/UP Arts	26/04/2017	OES	1,74	8,47	8	1,82	angular	complete	cylinder	sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB1909	MST	I11	3	2	IV	Burnt	MRF/UP Arts	26/04/2017	OES	1,29	8,59	9	1,02	sub-rounded	complete	cylinder	sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB1910	MST	I11	3	2	IV	Burnt	MRF/UP Arts	26/04/2017	OES	--	8,14	8	--	rounded	complete	cylinder	sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB1911	MST	I11	3	2	IV	Burnt	MRF/UP Arts	26/04/2017	OES	1,63	7,39	7	1,42	angular	complete	cylinder	sphere	broken into less than a half		Inner damaged	Asymmetrical	1

DB19 12	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	26/04/ 2017	OE S	1,1 7	7,4	7	2, 12	round ed	compl ete	cylinder	sphere	broken into less than a half		Inner damaged	Asymme trical	1
DB19 13	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	26/04/ 2017	OE S	1,1 5	6,9 7	7	1, 98	round ed	compl ete	cylinder	sphere	broken into less than a half		Inner damaged	Asymme trical	1
DB19 14	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	26/04/ 2017	OE S	1,5 6	7,5	8	1, 08	round ed	compl ete	cylinder	sphere	broken into less than a half		Inner damaged	Asymme trical	1
DB19 15	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	27/04/ 2017	OE S	1,2 9	6,0 2	6	1, 17	round ed	compl ete	cylinder	sphere	broken into less than a half		Inner damaged	Asymme trical	1
DB19 16	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	27/04/ 2017	OE S	1,7 7	13, 04	1 3	2, 32	round ed	compl ete	cylinder	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB19 17	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	27/04/ 2017	OE S	1,4 6	15, 09	1 5	2, 04	sub- round ed	compl ete	cylinder	sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB19 18	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	27/04/ 2017	OE S	1,8 8	13, 56	1 4	2, 53	round ed	compl ete	cylinder	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1

DB1919	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	27/04/2017	OES	2	13,81	14	2,16	angular	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1920	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	27/04/2017	OES	1,85	12,37	12	2,54	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB1921	MST	I11	3	2	IV	Burnt	MRF/UP Arts	27/04/2017	OES	1,51	12,23	12	1,84	angular	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1922	MST	I11	3	2	IV	Burnt	MRF/UP Arts	27/04/2017	OES	1,85	11,8	12	2,13	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1923	MST	I11	3	2	IV	Burnt	MRF/UP Arts	27/04/2017	OES	1,62	11,59	12	2,58	angular	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB1924	MST	I11	3	2	IV	Burnt	MRF/UP Arts	27/04/2017	OES	1,4	12,28	12	2,56	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1
DB1925	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	27/04/2017	OES	1,75	11,98	12	1,98	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1926	MST	I11	3	2	IV	Burnt	MRF/UP Arts	28/04/2017	OES	1,48	11,61	12	1,69	sub-rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1927	MST	I11	3	2	IV	Burnt	MRF/UP Arts	28/04/2017	OES	1,5	11,94	12	3,01	angular	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1928	MST	I11	3	2	IV	Burnt	MRF/UP Arts	28/04/2017	OES	1,46	12,29	12	2,94	sub-rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1929	MST	I11	3	2	IV	Burnt	MRF/UP Arts	28/04/2017	OES	2,03	12,6	13	1,96	sub-rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB1930	MST	I11	3	2	IV	Burnt	MRF/UP Arts	28/04/2017	OES	1,64	11,19	11	1,58	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1931	MST	I11	3	2	IV	Burnt	MRF/UP Arts	28/04/2017	OES	1,77	11,49	11	2,21	sub-rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1932	MST	I11	3	2	IV	Burnt	MRF/UP Arts	28/04/2017	OES	1,37	11,31	11	2,01	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1933	MST	I11	3	2	IV	Burnt	MRF/UP Arts	28/04/2017	OES	1,25	12,45	12	2,97	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1
DB1934	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	28/04/2017	OES	1,81	11,23	11	2,14	sub-rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1935	MST	I11	3	2	IV	Burnt	MRF/UP Arts	28/04/2017	OES	1,87	11,47	11	1,77	sub-rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB19 36	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	28/04/ 2017	OE S	1,6 4	11, 19	1 1	2, 59	round ed	compl ete	cylinder	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB19 37	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	28/04/ 2017	OE S	1,4 5	11, 66	1 2	2, 59	round ed	compl ete	cylinder	sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB19 38	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	28/04/ 2017	OE S	1,5 2	11, 09	1 1	1, 87	sub-round ed	compl ete	cylinder	sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB19 39	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	28/04/ 2017	OE S	1,8 4	11, 43	1 1	2, 51	round ed	compl ete	cylinder	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB19 40	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	28/04/ 2017	OE S	1,2 9	11, 04	1 1	2, 72	round ed	compl ete	cylinder	sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB19 41	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	28/04/ 2017	OE S	1,9 6	10, 79	1 1	1, 64	round ed	compl ete	cylinder	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB19 42	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	28/04/ 2017	OE S	1,5	11, 74	1 2	1, 73	round ed	compl ete	cylinder	sphere	not broken in		Inner damaged	Asymme trical	1

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DB19 43	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	28/04/ 2017	OE S	1,3 9	11, 5	1 2	2, 65	round ed	compl ete	cylinder	sphere	not broken in diamet er		Inner damaged	Bead almost symmetr ical	1
DB19 44	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	28/04/ 2017	OE S	1,8 8	11, 3	1 1	1, 6	angul ar	compl ete	cylinder	sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB19 45	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	28/04/ 2017	OE S	1,5 6	11, 27	1 1	1, 91	angul ar	compl ete	cylinder	sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB19 46	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	28/04/ 2017	OE S	1,6 9	10, 96	1 1	1, 81	sub- round ed	compl ete	cylinder	sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB19 47	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	28/04/ 2017	OE S	1,8 1	11, 11	1 1	1, 62	angul ar	compl ete	cylinder	sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB19 48	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	28/04/ 2017	OE S	1,5 1	11, 12	1 1	1, 81	sub- round ed	compl ete	cylinder	sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB19 49	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	28/04/ 2017	OE S	1,7 9	10, 66	1 1	1, 22	sub- round ed	compl ete	cylinder	sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB19 50	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	28/04/ 2017	OE S	1,8 2	10, 97	1 1	1, 93	angul ar	compl ete	cylinder	sphere	not broken in diamet er		Inner damaged	Asymme trical	1

DB1951	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	28/04/2017	OES	1,99	10,74	11	2,21	rounded	complete	cylinder	oblate	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1952	MST	I11	3	2	IV	Burnt	MRF/UP Arts	28/04/2017	OES	1,53	11,63	12	2,28	sub-rounded	complete	cylinder	sphere	not broken in diameter		Outer damaged	Asymmetrical	1
DB1953	MST	I11	3	2	IV	Burnt	MRF/UP Arts	28/04/2017	OES	1,52	10,87	11	2,84	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1
DB1954	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	28/04/2017	OES	1,76	10,96	11	1,88	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1955	MST	I11	3	2	IV	Burnt	MRF/UP Arts	28/04/2017	OES	1,42	10,82	11	2,04	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1
DB1956	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	28/04/2017	OES	1,84	10,83	11	2,24	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB1957	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	28/04/2017	OES	1,66	10,71	11	2,63	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1958	MST	I11	3	2	IV	Burnt	MRF/UP Arts	28/04/2017	OES	1,46	11,27	11	2,74	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1959	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	28/04/2017	OES	1,72	10,63	11	1,85	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1960	MST	I11	3	2	IV	Burnt	MRF/UP Arts	28/04/2017	OES	1,98	11,04	11	2,48	angular	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1961	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	28/04/2017	OES	1,68	10,22	10	2,29	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB1962	MST	I11	3	2	IV	Burnt	MRF/UP Arts	28/04/2017	OES	1,4	11,27	11	1,95	sub-rounded	complete	cylinder	sphere	not broken in		Outer damaged	Asymmetrical	1

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DB19 63	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	28/04/ 2017	OE S	1,5 2	10, 22	1 0	2, 16	round ed	compl ete	cylinder	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB19 64	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	28/04/ 2017	OE S	1,7 7	11, 02	1 1	2, 39	round ed	compl ete	cylinder	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB19 65	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	28/04/ 2017	OE S	1,4 3	11, 18	1 1	2, 18	sub-round ed	compl ete	cylinder	Triangula r	not broken in diamet er		Inner damaged	Asymme trical	1
DB19 66	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	28/04/ 2017	OE S	1,8 9	10, 53	1 1	1, 49	angul ar	compl ete	cylinder	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB19 67	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	28/04/ 2017	OE S	1,3 1	10, 81	1 1	2, 2	round ed	compl ete	cylinder	sphere	not broken in diamet er		Inner damaged	Bead almost symmetr ical	1

DB1968	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	28/04/2017	OES	1,45	10,41	10	2,7	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1969	MST	I11	3	2	IV	Burnt	MRF/UP Arts	28/04/2017	OES	1,56	10,53	11	1,71	sub-rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1970	MST	I11	3	2	IV	Burnt	MRF/UP Arts	28/04/2017	OES	1,39	10,89	11	1,64	sub-rounded	complete	cylinder	oblate	not broken in diameter		Inner damaged	Asymmetrical	1
DB1971	MST	I11	3	2	IV	Burnt	MRF/UP Arts	28/04/2017	OES	1,7	10,37	10	3,37	sub-rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1972	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	28/04/2017	OES	1,83	10,72	11	1,45	angular	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB1973	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	28/04/2017	OES			0						not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1974	MST	I11	3	2	IV	Burnt	MRF/UP Arts	28/04/2017	OES	1,33	10,3	10	2,24	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1975	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	28/04/2017	OES	1,57	10,59	11	2,19	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1976	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	28/04/2017	OES	1,77	10,78	11	1,86	angular	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1977	MST	I11	3	2	IV	Burnt	MRF/UP Arts	28/04/2017	OES	1,56	10,59	11	2,41	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB1978	MST	I11	3	2	IV	Burnt	MRF/UP Arts	28/04/2017	OES	1,84	10,38	10	2,31	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1979	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	28/04/2017	OES	1,77	10,36	10	1,96	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB1980	MST	I11	3	2	IV	Burnt	MRF/UP Arts	28/04/2017	OES	1,53	10,63	11	2,34	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1
DB1981	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	28/04/2017	OES	1,42	10,11	10	2,67	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1982	MST	I11	3	2	IV	Burnt	MRF/UP Arts	28/04/2017	OES	1,19	10,31	10	2,1	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1

DB1983	MST	I11	3	2	IV	Burnt	MRF/UP Arts	28/04/2017	OES	1,42	10,43	10	3,32	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1984	MST	I11	3	2	IV	Burnt	MRF/UP Arts	28/04/2017	OES	1,38	10,62	11	1,84	angular	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1985	MST	I11	3	2	IV	Burnt	MRF/UP Arts	28/04/2017	OES	1,28	10,13	10	2,4	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1
DB1986	MST	I11	3	2	IV	Burnt	MRF/UP Arts	28/04/2017	OES	1,3	10,35	10	2,44	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1987	MST	I11	3	2	IV	Burnt	MRF/UP Arts	28/04/2017	OES	1,38	10,61	11	1,95	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1988	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	28/04/2017	OES	1,75	10,31	10	2,26	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1989	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	28/04/2017	OES	1,12	10,34	10	1,75	sub-rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB1990	MST	I11	3	2	IV	Burnt	MRF/UP Arts	28/04/2017	OES	1,47	1,94	2	1,47	sub-rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1991	MST	I11	3	2	IV	Burnt	MRF/UP Arts	28/04/2017	OES	1,25	2,48	2	2,47	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB1992	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	28/04/2017	OES	2,01	9,99	10	2,03	sub-rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1993	MST	I11	3	2	IV	Burnt	MRF/UP Arts	28/04/2017	OES	1,87	10,42	10	2,3	angular	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1994	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	28/04/2017	OES	1,76	10,55	11	2,07	sub-rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB1995	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	28/04/2017	OES	1,85	10,32	10	2,08	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1996	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	28/04/2017	OES	1,84	10,1	10	2,36	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB1997	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	29/04/2017	OES	1,53	10,03	10	2,54	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB1998	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	29/04/2017	OES	1,81	9,98	10	2,41	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB1999	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,55	10,27	10	2,7	sub-rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2000	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,3	10,55	11	2,31	rounded	complete	cylinder	sphere	not broken in		Inner damaged	Asymmetrical	1

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DB2001	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	29/04/2017	OES	1,66	10	10	2,15	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB2002	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,46	9,96	10	1,67	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2003	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,3	10,83	11	1,21	sub-rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2004	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,41	10,83	11	2,02	angular	complete	cylinder	irregular	not broken in diameter		Inner damaged	Asymmetrical	1
DB2005	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	29/04/2017	OES	1,45	10,06	10	2,43	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2006	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	29/04/2017	OES	1,37	9,77	10	1,99	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1

DB2007	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	29/04/2017	OES	1,85	10,05	10	1,6	sub-rounded	complete	cylinder	oblate	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2008	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	29/04/2017	OES	1,63	10,45	10	1,93	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2009	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,42	10,79	11	2,9	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2010	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,28	10,09	10	1,36	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2011	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,49	10,3	10	2,61	rounded	complete	cylinder	sphere	broken into a half and more		Inner damaged	Asymmetrical	1
DB2012	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,6	10,02	10	2,21	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB2013	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	29/04/2017	OES	1,76	10,04	10	2,47	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB2014	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,38	10,28	10	2,18	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2015	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,44	10,79	11	1,6	angular	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2016	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,7	10,09	10	1,62	angular	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2017	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	2,06	10,14	10	1,53	sub-rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2018	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	29/04/2017	OES	1,65	9,67	10	2,36	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB2019	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,4	10,46	10	2,24	rounded	complete	cylinder	sphere	not broken in		Inner damaged	Asymmetrical	1

																		diameter				
DB2020	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,38	10,18	10	2,02	angular	complete	cylinder	irregular	not broken in diameter		Inner damaged	Asymmetrical	1
DB2021	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,58	10,71	11	2,19	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2022	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	29/04/2017	OES	1,58	9,66	10	1,95	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB2023	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	29/04/2017	OES	1,8	10,45	10	2,52	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2024	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,37	9,62	10	2,19	rounded	complete	cylinder	sphere	not broken in diameter		Outer damaged	Asymmetrical	1
DB2025	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,48	10,64	11	1,89	angular	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2026	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,27	9,8	10	1,89	angular	complete	cylinder	sphere	not broken in		Inner damaged	Asymmetrical	1

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DB20 27	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	29/04/ 2017	OE S	1,6 3	9,9 5	1 0	2, 35	round ed	compl ete	cylinder	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB20 28	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	29/04/ 2017	OE S	1,3 4	9,8 5	1 0	2, 83	round ed	compl ete	cylinder	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Bead almost symmetr ical	1
DB20 29	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	29/04/ 2017	OE S	1,5 5	10	1 0	2, 02	round ed	compl ete	cylinder	sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB20 30	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	29/04/ 2017	OE S	1,7	9,9 7	1 0	2, 08	round ed	compl ete	cylinder	sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB20 31	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	29/04/ 2017	OE S	1,4 8	9,8 9	1 0	2, 11	round ed	compl ete	cylinder	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1

DB20 32	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	29/04/ 2017	OE S	1,7 8	9,9	1 0	1, 9	round ed	compl ete	cylinder	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Bead almost symmetr ical	1
DB20 33	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	29/04/ 2017	OE S	1,7 9	9,8 1	1 0	2, 09	round ed	compl ete	cylinder	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB20 34	MS T	I1 1	3	2	IV	Unbu rnt	MRF/UP Arts	29/04/ 2017	OE S	1,9 7	9,8 9	1 0	2, 46	sub-round ed	compl ete	cylinder	irregular	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB20 35	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	29/04/ 2017	OE S	1,4 6	9,7	1 0	1, 9	sub-round ed	compl ete	cylinder	sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB20 36	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	29/04/ 2017	OE S	1,7 4	9,9 5	1 0	2, 11	sub-round ed	compl ete	cylinder	sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB20 37	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	29/04/ 2017	OE S	1,4 9	10, 6	1 1	2, 65	round ed	compl ete	cylinder	sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB20 38	MS T	I1 1	3	2	IV	Burnt	MRF/UP Arts	29/04/ 2017	OE S	1,4 7	10, 14	1 0	1, 46	round ed	compl ete	cylinder	sphere	not broken in		Inner damaged	Asymme trical	1

																		diameter				
DB2039	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,44	9,9	10	2,38	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2040	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,31	10,07	10	2,63	sub-rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2041	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,47	9,62	10	2,39	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1
DB2042	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,47	10,11	10	1,87	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1
DB2043	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,41	10,02	10	2,34	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2044	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,35	10,32	10	2,01	angular	complete	cylinder	oblate	not broken in diameter		Inner damaged	Asymmetrical	1
DB2045	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	29/04/2017	OES	1,98	9,8	10	2,04	sub-rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB2046	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,15	9,83	10	2,46	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1
DB2047	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,46	9,88	10	1,98	angular	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2048	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	29/04/2017	OES	1,75	9,49	9	2,24	angular	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2049	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,84	9,73	10	2,63	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2050	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,59	9,92	10	2,54	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2051	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	29/04/2017	OES	1,64	9,56	10	2,53	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB2052	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,46	10,12	10	1,82	angular	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB2053	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	29/04/2017	OES	1,77	9,35	9	1,54	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2054	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	29/04/2017	OES	1,28	9,67	10	3,31	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2055	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,65	9,92	10	2,26	angular	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2056	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	29/04/2017	OES	1,95	9,73	10	1,84	angular	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB2057	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	29/04/2017	OES	1,81	9,92	10	1,8	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB2058	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	29/04/2017	OES	1,74	9,57	10	1,81	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB2059	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,86	9,85	10	2,2	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2060	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,38	9,75	10	1,82	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2061	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,54	10,03	10	1,02	angular	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2062	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,51	10,08	10	1,92	angular	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2063	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,3	9,63	10	2,68	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB2064	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,52	10,02	10	1,8	angular	complete	cylinder	oblate	not broken in diameter		Inner damaged	Asymmetrical	1
DB2065	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,37	10,1	10	1,27	angular	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2066	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,43	9,68	10	1,9	sub-rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2067	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,83	9,58	10	2,03	sub-rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB2068	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,72	9,63	10	1,87	angular	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB2069	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	29/04/2017	OES	1,94	9,6	10	1,8	angular	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2070	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,41	9,52	10	2,8	rounded	complete	cylinder	sphere	not broken in		Inner damaged	Asymmetrical	1

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DB2071	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,19	9,62	10	2,03	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2072	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,42	9,94	10	1,89	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2073	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,32	1,37	1	1,98	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2074	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,4	9,42	9	2,25	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2075	MST	I11	3	2	IV	Burnt	MRF/UP Arts	29/04/2017	OES	1,61	9,81	10	1,81	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2076	MST	I11	3	2	IV	Unburnt	MRF/UP Arts	29/04/2017	OES	1,91	9,36	9	1,44	sub-rounded	complete	cylinder	oblate	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB2077	MST	I11	3	2	IV	Unburnt	UP Arts Museum	42860	OES	1,32	5,43	5	1,77	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2078	MST	I11	3	2	IV	Unburnt	UP Arts Museum	42860	OES	1,58	5,48	5	1,62	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB2079	MST	I11	3	2	IV	Unburnt	UP Arts Museum	42860	OES	1,13	5,22	5	1,73	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2080	MST	I11	3	2	IV	Unburnt	UP Arts Museum	42860	OES	1,26	5,27	5	1,95	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1

DB2081	MST	I11	3	2	IV	Unburnt	UP Arts Museum	42860	OES	1,33	5,31	5	1,4	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB2082	MST	I11	3	2	IV	Unburnt	UP Arts Museum	42860	OES	0,92	4,85	5	2,3	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2083	MST	I11	3	2	IV	Unburnt	UP Arts Museum	42860	OES	1,46	3,71	4	1,6	Rounded	Complete	Cylinder	Sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2084	MST	I11	3	2	IV	Unburnt	UP Arts Museum	42860	OES	1,67	4,98	5	1,7	Rounded	Complete	Cylinder	Oblate	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2085	MST	I11	3	2	IV	Burnt	UP Arts Museum	42866	OES	1,51	13,92	14	2,55	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	Inner damaged	Asymmetrical	1

DB2086	MST	I11	3	2	IV	Burnt	UP Arts Museum	42866	OES	1,76	12,28	12	1,29	angular	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	No damage to layers/thickness of bead	Asymmetrical	1
DB2087	MST	I11	3	2	IV	Burnt	UP Arts Museum	42866	OES	1,53	13,01	13	1,52	Rounded	Complete	Cylinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB2088	MST	I11	3	2	IV	Unburnt	UP Arts Museum	42866	OES	1,6	12,05	12	1,76	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	Inner damaged	Asymmetrical	1
DB2089	MST	I11	3	2	IV	Unburnt	UP Arts Museum	42866	OES	1,67	12,93	13	2,41	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	No damage to layers/thickness of bead	Asymmetrical	1
DB2090	MST	I11	3	2	IV	Unburnt	UP Arts Museum	42867	OES	2,02	12,89	13	1,75	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB2091	MST	I11	3	2	IV	Burnt	UP Arts Museum	42867	OES	1,4	11,69	12	1,82	Rounded	Complete	Cylinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB2092	MST	I11	3	2	IV	Burnt	UP Arts Museum	42867	OES	1,41	11,22	11	2,83	Rounded	Complete	Cylinder	Sphere	broken into a half	Broken in three quarters	Inner damaged	Asymmetrical	1

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DB2093	MST	I11	3	2	IV	Burnt	UP Arts Museum	42867	OES	1,46	11,97	12	1,7	Rounded	Complete	Cylinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB2094	MST	I11	3	2	IV	Burnt	UP Arts Museum	42867	OES	1,49	11,25	11	2,16	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	Inner damaged	Asymmetrical	1
DB2095	MST	I11	3	2	IV	Burnt	UP Arts Museum	42867	OES	1,59	11,41	11	1,7	sub-rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	Inner damaged	Bead almost symmetrical	1
DB2096	MST	I11	3	2	IV	Burnt	UP Arts Museum	42867	OES	1,38	11,18	11	1,97	Rounded	Complete	Cylinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB2097	MST	I11	3	2	IV	Burnt	UP Arts Museum	42867	OES	1,42	11,57	12	2,19	Rounded	Complete	Cylinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB2098	MST	I11	3	2	IV	Unburnt	UP Arts Museum	42867	OES	1,39	10,97	11	2,71	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	No damage to layers/thickness of bead	Bead almost symmetrical	1
DB2099	MST	I11	3	2	IV	Burnt	UP Arts Museum	42867	OES	1,62	11,23	11	2,12	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	Inner damaged	Asymmetrical	1

DB2100	MST	I11	3	2	IV	Burnt	UP Arts Museum	42867	OES	1,88	11,52	12	1,84	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	No damage to layers/thickness of bead	Asymmetrical	1
DB2101	MST	I11	3	2	IV	Unburnt	UP Arts Museum	42867	OES	1,59	10,66	11	1,89	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB2102	MST	I11	3	2	IV	Burnt	UP Arts Museum	42867	OES	1,91	10,55	11	2,36	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB2103	MST	I11	3	2	IV	Burnt	UP Arts Museum	42867	OES	1,42	10,19	10	1,75	sub-rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	Inner damaged	Asymmetrical	1
DB2104	MST	I11	3	2	IV	Burnt	UP Arts Museum	42867	OES	1,38	10,57	11	2,44	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	Inner damaged	Edge almost symmetrical	1
DB2105	MST	I11	3	2	IV	Burnt	UP Arts Museum	42867	OES	1,35	10,73	11	2,69	angular	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	Inner damaged	Asymmetrical	1

DB2106	MST	I11	3	2	IV	Burnt	UP Arts Museum	42867	OES	1,95	10,44	10	2,21	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	Inner damaged	Asymmetrical	1
DB2107	MST	I11	3	2	IV	Burnt	UP Arts Museum	42867	OES	1,53	10,5	11	1,75	Rounded	Complete	Cylinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB2108	MST	I11	3	2	IV	Burnt	UP Arts Museum	42867	OES	1,14	10,68	11	2,09	sub-rounded	Complete	Cylinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB2109	MST	I11	3	2	IV	Burnt	UP Arts Museum	42867	OES	1,3	10,17	10	2,5	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken into more than half	No damage to layers/thickness of bead	Asymmetrical	1
DB2110	MST	I11	3	2	IV	Unburnt	UP Arts Museum	42867	OES	1,45	10,38	10	2,78	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	No damage to layers/thickness of bead	Asymmetrical	1
DB2111	MST	I11	3	2	IV	Burnt	UP Arts Museum	42867	OES	1,33	10,63	11	2,2	angular	Complete	Cylinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1

DB21 12	MS T	I1 1	3	2	IV	Unbu rnt	UP Arts Museum	42867	OE S	1,8 1	10, 24	1 0	2, 45	Roun ded	Compl ete	Cylinde r	Sphere	broken into less than a half		No damage to layers/thic kness of bead	Asymme trical	1
DB21 13	MS T	I1 1	3	2	IV	Burnt	UP Arts Museum	42867	OE S	1,2 6	10, 19	1 0	2, 08	Roun ded	Compl ete	Cylinde r	Sphere	broken into less than a half		Inner damaged	Asymme trical	1
DB21 14	MS T	I1 1	3	2	IV	Burnt	UP Arts Museum	42867	OE S	1,3 9	9,9 6	1 0	1, 47	Roun ded	Compl ete	Cylinde r	Sphere	broken into less than a half		Inner damaged	Asymme trical	1
DB21 15	MS T	I1 1	3	2	IV	Burnt	UP Arts Museum	42868	OE S	1,2 1	10, 17	1 0	1, 94	sub-round ed	Compl ete	Cylinde r	Sphere	broken into less than a half		Inner damaged	Asymme trical	1
DB21 16	MS T	I1 1	3	2	IV	Burnt	UP Arts Museum	42868	OE S	1,4	9,8	1 0	1, 97	Roun ded	Compl ete	Cylinde r	Sphere	broken into less than a half		Inner damaged	Asymme trical	1
DB21 17	MS T	I1 1	3	2	IV	Burnt	UP Arts Museum	42868	OE S	1,4 5	9,3 6	9	1, 69	Roun ded	Compl ete	Cylinde r	Sphere	broken into a half and more	Broken in half	Inner damaged	Asymme trical	1
DB21 18	MS T	I1 1	3	2	IV	Burnt	UP Arts Museum	42868	OE S	1,3 8	9,5 6	1 0	2, 17	Roun ded	Compl ete	Cylinde r	Sphere	broken into a half and more	Broken in half	Inner damaged	Asymme trical	1
DB21 19	MS T	I1 1	3	2	IV	Burnt	UP Arts Museum	42868	OE S	1,2 7	9,3 3	9	2, 84	Roun ded	Compl ete	Cylinde r	Sphere	broken into a half and more	Broken in half	Inner damaged	Asymme trical	1

DB2120	MST	I11	3	2	IV	Burnt	UP Arts Museum	42868	OES	1,11	9,57	10	1,79	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	Inner damaged	Asymmetrical	1
DB2121	MST	I11	3	2	IV	Burnt	UP Arts Museum	42868	OES	1,51	9,81	10	2,43	Rounded	Complete	Cylinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB2122	MST	I11	3	2	IV	Burnt	UP Arts Museum	42868	OES	1,41	9,04	9	2,05	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	Inner damaged	Asymmetrical	1
DB2123	MST	I11	3	2	IV	Unburnt	UP Arts Museum	42868	OES	1,78	9,47	9	2,21	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	No damage to layers/thickness of bead	Asymmetrical	1
DB2124	MST	I11	3	2	IV	Unburnt	UP Arts Museum	42868	OES	1,24	9,3	9	2,37	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	No damage to layers/thickness of bead	Asymmetrical	1
DB2125	MST	I11	3	2	IV	Burnt	UP Arts Museum	42868	OES	1,49	9,15	9	2,04	sub-rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	Inner damaged	Asymmetrical	1
DB2126	MST	I11	3	2	IV	Burnt	UP Arts Museum	42868	OES	1,34	9,81	10	2,53	Rounded	Complete	Cylinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1

DB2127	MST	I11	3	2	IV	Unburnt	UP Arts Museum	42868	OES	1,3	8,6	9	2,32	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	No damage to layers/thickness of bead	Asymmetrical	1
DB2128	MST	I11	3	2	IV	Burnt	UP Arts Museum	42868	OES	1,37	9,66	10	2,14	Rounded	Complete	Cylinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB2129	MST	I11	3	2	IV	Burnt	UP Arts Museum	42868	OES	1,46	9,1	9	1,9	sub-rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	Inner damaged	Asymmetrical	1
DB2130	MST	I11	3	2	IV	Burnt	UP Arts Museum	42868	OES	1,48	9,37	9	1,37	sub-rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	Inner damaged	Asymmetrical	1
DB2131	MST	I11	3	2	IV	Burnt	UP Arts Museum	42868	OES	1,32	8,59	9	2,06	sub-rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	Inner damaged	Asymmetrical	1
DB2132	MST	I11	3	2	IV	Burnt	UP Arts Museum	42868	OES	1,33	9,16	9	1,75	angular	Complete	Cylinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB2133	MST	I11	3	2	IV	Burnt	UP Arts Museum	42868	OES	1,3	8,3	8	1,49	Rounded	Complete	Cylinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB2134	MST	I11	3	2	IV	Burnt	UP Arts Museum	42868	OES	1,46	9,37	9	1,04	angular	Complete	Cylinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1

DB2135	MST	I11	3	2	IV	Burnt	UP Arts Museum	42868	OES	1,21	9,05	9	1,48	Rounded	Complete	Cylinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB2136	MST	I11	3	2	IV	Burnt	UP Arts Museum	42868	OES	1,49	7,75	8	2,01	Rounded	Complete	Cylinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB2137	MST	I11	3	2	IV	Burnt	UP Arts Museum	42868	OES	1,22	6,65	7	2,28	Rounded	Complete	Cylinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB2138	MST	I11	3	2	IV	Burnt	UP Arts Museum	42868	OES	1,45	7,45	7	1,31	Rounded	Complete	Cylinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB2139	MST	I11	3	2	IV	Burnt	UP Arts Museum	42868	OES	1,4	5,43	5	1,58	Rounded	Complete	Cylinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB2140	MST	I11	3	2	IV	Burnt	UP Arts Museum	42868	OES	1,49	8,62	9	1,89	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	Inner damaged	Asymmetrical	1
DB2141	MST	I11	3	2	IV	Unburnt	UP Arts Museum	42868	OES	1,38	9,32	9	2,67	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	No damage to layers/thickness of bead	Asymmetrical	1
DB2142	MST	I11	3	2	IV	Burnt	UP Arts Museum	42868	OES	1,38	9	9	1,91	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	Inner damaged	Asymmetrical	1

DB2143	MST	I11	3	2	IV	Burnt	UP Arts Museum	42868	OES	1,52	8,56	9	1,59	angular	Complete	Cylinder	Sphere	broken into a half and more	Broken into more than half	Inner damaged	Asymmetrical	1
DB2144	MST	I11	3	2	IV	Burnt	UP Arts Museum	42868	OES	1,45	8,79	9	1,58	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	Inner damaged	Asymmetrical	1
DB2145	MST	I11	3	2	IV	Unburnt	UP Arts Museum	42868	OES	1,1	8,55	9	2,3	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	Inner damaged	Asymmetrical	1
DB2146	MST	I11	3	2	IV	Burnt	UP Arts Museum	42868	OES	1,82	9,12	9	1,81	sub-rounded	Complete	Cylinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB2147	MST	I11	3	2	IV	Burnt	UP Arts Museum	42868	OES	1,49	8,67	9	1,88	angular	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	Inner damaged	Asymmetrical	1
DB2148	MST	I11	3	2	IV	Burnt	UP Arts Museum	42868	OES	1,69	8,18	8	1,91	angular	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	No damage to layers/thickness of bead	Asymmetrical	1
DB2149	MST	I11	3	2	IV	Burnt	UP Arts Museum	42868	OES	1,08	8,12	8	2,98	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	Inner damaged	Asymmetrical	1
DB2150	MST	I11	3	2	IV	Burnt	UP Arts Museum	42868	OES	1,17	8,49	8	1,79	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	Inner damaged	Asymmetrical	1

DB2151	MST	I11	3	2	IV	Burnt	UP Arts Museum	42868	OES	1,27	8,41	8	1,71	sub-rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	Inner damaged	Asymmetrical	1
DB2152	MST	I11	3	2	IV	Unburnt	UP Arts Museum	42868	OES	1,43	8,12	8	2,02	angular	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	Inner damaged	Asymmetrical	1
DB2153	MST	I11	3	2	IV	Burnt	UP Arts Museum	42868	OES	1,44	8,58	9	2,11	Rounded	Complete	Cylinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB2154	MST	I11	3	2	IV	Burnt	UP Arts Museum	42868	OES	0,86	7,63	8	2,22	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	Inner damaged	Asymmetrical	1
DB2155	MST	I11	3	2	IV	Burnt	UP Arts Museum	42868	OES	1,35	7,87	8	2,09	Rounded	Complete	Cylinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB2156	MST	I11	3	2	IV	Unburnt	UP Arts Museum	42868	OES	1,24	7,91	8	1,4	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB2157	MST	I11	3	2	IV	Burnt	UP Arts Museum	42868	OES	1,85	8,24	8	1,37	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1

DB2158	MST	I11	3	2	IV	Unburnt	UP Arts Museum	42868	OES	1,83	8	8	1,63	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB2159	MST	I11	3	2	IV	Unburnt	UP Arts Museum	42868	OES	1,87	7,35	7	1,25	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	No damage to layers/thickness of bead	Asymmetrical	1
DB2160	MST	I11	3	2	IV	Burnt	UP Arts Museum	42868	OES	1,38	7,74	8	1,74	angular	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	No damage to layers/thickness of bead	Asymmetrical	1
DB2161	MST	I11	3	2	IV	Burnt	UP Arts Museum	42868	OES	1,27	8,1	8	2,23	Rounded	Complete	Cylinder	Sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB2162	MST	I11	3	2	IV	Unburnt	UP Arts Museum	42868	OES	1,68	7,44	7	2,03	Rounded	Complete	Cylinder	Sphere	broken into a half and more	Broken in half	No damage to layers/thickness of bead	Asymmetrical	1

DB21 63	MS T	I1 1	3	2	IV	Burnt	UP Arts Museum	42868	OE S	1,3 4	7,5 7	8	2, 15	Roun ded	Compl ete	Cylinde r	Sphere	broken into a half and more	Broken in half	No damage to layers/thic kness of bead	Asymme trical	1
DB21 64	MS T	I1 1	3	2	IV	Unbu rnt	UP Arts Museum	42868	OE S	1,4 6	6,9 2	7	2, 03	Roun ded	Compl ete	Cylinde r	Sphere	broken into less than a half		No damage to layers/thic kness of bead	Asymme trical	1
DB21 65	MS T	I1 1	3	2	IV	Burnt	UP Arts Museum	42868	OE S	1,3 7	6,5 4	7	1, 58	angul ar	Compl ete	Cylinde r	Sphere	broken into less than a half		Inner damaged	Asymme trical	1
DB21 66	MS T	I1 1	3	2	IV	Burnt	UP Arts Museum	42868	OE S	1,2 4	6,5	7	1, 7	Roun ded	Compl ete	Cylinde r	Sphere	broken into less than a half		Inner damaged	Asymme trical	1
DB21 67	MS T	I1 1	3	2	IV	Burnt	UP Arts Museum	42868	OE S	1,2 2	6,3 1	6	2, 77	Roun ded	Compl ete	Cylinde r	Sphere	broken into less than a half		Inner damaged	Asymme trical	1
DB21 68	MS T	I1 1	3	2	IV	Burnt	UP Arts Museum	42868	OE S	1,4 2	5,7 5	6	1, 47	Roun ded	Compl ete	Cylinde r	Sphere	broken into a half and more	Broken in half	No damage to layers/thic kness of bead	Asymme trical	1

DB21 69	MS T	I1 1	3	2	IV	Unbu rnt	UP Arts Museum	42868	OE S	1,3 2	4,2 8	4	10 ,7	sub-round ed	Compl ete	Cylinde r	Somewh at triangular	broken into a half and more	Broken into two thirds	No damage to layers/thic kness of bead	Asymme trical	1
DB21 70	MS T	I1 1	4	2	IV	Burnt	MRF	23/11/ 2016	OE S	1,9 1	11, 84	1 2	2, 58	round ed	compl ete	cylinder	sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB21 71	MS T	I1 1	4	2	IV	Burnt	MRF	23/11/ 2016	OE S	1,5 4	11, 69	1 2	1, 91	sub-round ed	compl ete	cylinder		not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB21 72	MS T	I1 1	4	2	IV	Burnt	MRF	24/11/ 2016	OE S	1,4 6	11, 67	1 2	2, 66	round ed	compl ete	cylinder	sphere	broken into a half and more	brokeni n half (more than half present)	Inner damaged	Asymme trical	1
DB21 73	MS T	I1 1	4	2	IV	Burnt	MRF	24/11/ 2016	OE S	1,5 5	11, 52	1 2	1, 7	sub-round ed	compl ete	cylinder	sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB21 74	MS T	I1 1	4	2	IV	Burnt	MRF	24/11/ 2016	OE S	1,6 2	11, 06	1 1	1, 59	angul ar	compl ete	cylinder	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1

DB21 75	MS T	I1 1	4	2	IV	Burnt	MRF	24/11/ 2016	OE S	1,4 4	11, 04	1 1	1, 98	sub-round ed	compl ete	cylinder	somewha t triangular	not broken in diamet er		Inner damaged	Asymme trical	1
DB21 76	MS T	I1 1	4	2	IV	Burnt	MRF	24/11/ 2016	OE S	1,4 7	10, 91	1 1	2, 12	round ed	compl ete	cylinder	sphere	not broken in diamet er		Inner damaged	Edge almost symmetr ical	1
DB21 77	MS T	I1 1	4	2	IV	Burnt	MRF	24/11/ 2016	OE S	1,4 7	10, 61	1 1	2, 35	sub-round ed	compl ete	cylinder	sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB21 78	MS T	I1 1	4	2	IV	Burnt	MRF	24/11/ 2016	OE S	2,1 4	10, 5	1 1	1, 86	sub-round ed	compl ete	cylinder	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB21 79	MS T	I1 1	4	2	IV	Burnt	MRF	24/11/ 2016	OE S	1,7 6	10, 46	1 0	1, 93	round ed	compl ete	cylinder	sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB21 80	MS T	I1 1	4	2	IV	Burnt	MRF	24/11/ 2016	OE S	1,4 2	10, 69	1 1	2, 26	round ed	compl ete	cylinder	sphere	broken into a half and more	brokeni n half	Inner damaged	Asymme trical	1
DB21 81	MS T	I1 1	4	2	IV	Burnt	MRF	24/11/ 2016	OE S	1,3 1	11, 39	1 1	1, 77	round ed	compl ete	cylinder	sphere	broken into less than a half		Inner damaged	Asymme trical	1
DB21 82	MS T	I1 1	4	2	IV	Burnt	MRF	24/11/ 2016	OE S	1,2 2	11, 45	1 1	2, 56	round ed	compl ete	cylinder	sphere	broken into less		Inner damaged	Asymme trical	1

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DB2183	MST	I11	4	2	IV	Burnt	MRF	24/11/2016	OES	1,41	10,57	11	1,77	sub-rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2184	MST	I11	4	2	IV	Burnt	MRF	24/11/2016	OES	1,54	10,56	11	2,21	rounded	complete	cylinder	sphere	broken into a half and more	broken(more than half present)	Inner damaged	Asymmetrical	1
DB2185	MST	I11	4	2	IV	Burnt	MRF	24/11/2016	OES	1,49	10,2	10	1,88	sub-rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2186	MST	I11	4	2	IV	Burnt	MRF	24/11/2016	OES	1,4	10,35	10	1,65	sub-rounded	complete	cylinder	irregular	not broken in diameter		Inner damaged	Asymmetrical	1
DB2187	MST	I11	4	2	IV	Burnt	MRF	25/11/2016	OES	1,48	9,98	10	1,76	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2188	MST	I11	4	2	IV	Burnt	MRF	25/11/2016	OES	1,28	10,27	10	1,44	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	Inner damaged	Asymmetrical	1
DB2189	MST	I11	4	2	IV	Burnt	MRF	25/11/2016	OES	1,24	9,68	10	2,12	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	Inner damaged	Asymmetrical	1
DB2190	MST	I11	4	2	IV	Burnt	MRF	25/11/2016	OES	1,76	9	9	1,8	rounded	complete	cylinder	sphere	broken into a half and more	broken(more than half present)	Inner damaged	Asymmetrical	1

DB2191	MST	I11	4	2	IV	Burnt	MRF	25/11/2016	OES	1,7	9,34	9	1,87	sub-rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	Inner damaged	Asymmetrical	1
DB2192	MST	I11	4	2	IV	Burnt	MRF	25/11/2016	OES	1,4	9,13	9	0,98	sub-rounded	complete	cylinder	sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB2193	MST	I11	4	2	IV	Burnt	MRF	25/11/2016	OES	1,79	8,61	9	1,69	sub-rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB2194	MST	I11	4	2	IV	Unburnt	MRF	28/11/2016	OES	1,66	10,26	10	2,77	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2195	MST	I11	4	2	IV	Burnt	MRF	28/11/2016	OES	1,3	9,84	10	2,44	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2196	MST	I11	4	2	IV	Unburnt	MRF	28/11/2016	OES	1,79	9,86	10	1,87	angular	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2197	MST	I11	4	2	IV	Burnt	MRF	28/11/2016	OES	1,42	9,7	10	1,68	sub-rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB2198	MST	I11	4	2	IV	Burnt	MRF	28/11/2016	OES	1,32	9,65	10	1,75	sub-rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2199	MST	I11	4	2	IV	Burnt	MRF	28/11/2016	OES	1,44	9,52	10	2,11	sub-rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2200	MST	I11	4	2	IV	Unburnt	MRF	28/11/2016	OES	1,94	9,59	10	1,49	sub-rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2201	MST	I11	4	2	IV	Burnt	MRF	28/11/2016	OES	1,4	9,13	9	2,31	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2202	MST	I11	4	2	IV	Unburnt	MRF	28/11/2016	OES	1,61	9,41	9	1,74	sub-rounded	complete	cylinder	almost triangular	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2203	MST	I11	4	2	IV	Burnt	MRF	28/11/2016	OES	1,38	9,61	10	1,01	angular	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2204	MST	I11	4	2	IV	Burnt	MRF	28/11/2016	OES	1,48	9,24	9	2,19	sub-rounded	complete	cylinder	sphere	not broken in		Inner damaged	Asymmetrical	1

																		diameter				
DB2205	MST	I11	4	2	IV	Unburnt	MRF	28/11/2016	OES	1,34	9,17	9	1,89	sub-rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2206	MST	I11	4	2	IV	Burnt	MRF	28/11/2016	OES	1,21	9,13	9	2,7	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2207	MST	I11	4	2	IV	Burnt	MRF	28/11/2016	OES	1,55	8,83	9	2,36	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2208	MST	I11	4	2	IV	Unburnt	MRF	28/11/2016	OES	1,7	8,73	9	1,83	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2209	MST	I11	4	2	IV	Burnt	MRF	29/11/2016	OES	1,54	8,72	9	2,81	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2210	MST	I11	4	2	IV	Burnt	MRF	29/11/2016	OES	1,52	8,53	9	2,73	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2211	MST	I11	4	2	IV	Burnt	MRF	29/11/2016	OES	1,5	8,55	9	2,08	sub-rounded	complete	cylinder	sphere	broken into a half	brokenin half	Outer damaged	Asymmetrical	1

																	and more				
DB2212	MST	I11	4	2	IV	Burnt	MRF	29/11/2016	OES	1,33	8,23	8	3,1	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half and corner chipperd off	Inner damaged	Asymmetrical	1
DB2213	MST	I11	4	2	IV	Burnt	MRF	29/11/2016	OES	1,53	7,87	8	2,14	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half and corner chipperd off	Inner damaged	Asymmetrical	1
DB2214	MST	I11	4	2	IV	Burnt	MRF	29/11/2016	OES	1,3	7,79	8	2,19	sub-rounded	complete	cylinder	oblate	not broken in diameter		Inner damaged	Asymmetrical	1
DB2215	MST	I11	4	2	IV	Burnt	MRF	29/11/2016	OES	1,61	7,59	8	1,82	sub-rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2216	MST	I11	4	2	IV	Burnt	MRF	29/11/2016	OES	1,34	7,71	8	1,75	sub-rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2217	MST	I11	4	2	IV	Burnt	MRF	29/11/2016	OES	1,63	7,5	8	3,17	sub-rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2218	MST	I11	4	2	IV	Unburnt	MRF	29/11/2016	OES	1,93	7,73	8	2,28	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB2219	MST	I11	4	2	IV	Unburnt	MRF	29/11/2016	OES	1,76	8,52	9	1,95	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2220	MST	I11	4	2	IV	Unburnt	MRF	29/11/2016	OES	1,52	7,65	8	2,16	rounded	complete	cylinder	irregular	broken into a half and more	brokenin half	Inner damaged	Asymmetrical	1
DB2221	MST	I11	4	2	IV	Burnt	MRF	29/11/2016	OES	1,31	8,39	8	2,63	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half and corner chipperd off	Inner damaged	Asymmetrical	1
DB2222	MST	I11	4	2	IV	Burnt	MRF	29/11/2016	OES	1,45	7,37	7	1,99	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2223	MST	I11	4	2	IV	Burnt	MRF	29/11/2016	OES	1,89	7,57	8	1,99	sub-rounded	complete	cylinder	sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB2224	MST	I11	4	2	IV	Burnt	MRF	30/11/2016	OES	1,56	6,65	7	1,62	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2225	MST	I11	4	2	IV	Unburnt	MRF	30/11/2016	OES	1,68	6,18	6	1,11	sub-rounded	complete	cylinder	irregular	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB2226	MST	I11	4	2	IV	Burnt	MRF	30/11/2016	OES	1,79	6,24	6	1,81	rounded	complete	cylinder	sphere	broken into a half and more		No damage to layers/thickness of bead	Asymmetrical	1
DB2227	MST	I11	4	2	IV	Unburnt	MRF	30/11/2016	OES	1,33	5,93	6	2,09	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2228	MST	I11	4	2	IV	Burnt	MRF	30/11/2016	OES	1,57	13,79	14	2,13	sub-rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2229	MST	I11	4	2	IV	Unburnt	MRF	30/11/2016	OES	1,68	12,27	12	2,33	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2230	MST	I11	4	2	IV	Burnt	MRF	30/11/2016	OES	1,4	12,33	12	1,97	rounded	complete	cylinder	sphere	not broken in diameter		Outer damaged	Asymmetrical	1
DB2231	MST	I11	4	2	IV	Burnt	MRF	30/11/2016	OES	1,64	12,26	12	2,47	sub-rounded	complete	cylinder	sphere	not broken in		Inner damaged	Asymmetrical	1

																		diameter				
DB2232	MST	I11	4	2	IV	Burnt	MRF	30/11/2016	OES	1,66	11,52	12	2,13	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2233	MST	I11	4	2	IV	Burnt	MRF	30/11/2016	OES	1,45	11,51	12	2,65	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2234	MST	I11	4	2	IV	Burnt	MRF	30/11/2016	OES	1,45	11,52	12	2,71	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2235	MST	I11	4	2	IV	Burnt	MRF	30/11/2016	OES	1,74	11,92	12	2,4	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2236	MST	I11	4	2	IV	Burnt	MRF	1/12/2016	OES	1,45	11,25	11	2,47	sub-rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2237	MST	I11	4	2	IV	Unburnt	MRF	1/12/2016	OES	1,75	11,17	11	2,43	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB2238	MST	I11	4	2	IV	Unburnt	MRF	1/12/2016	OES	2,04	11,82	12	1,83	sub-rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2239	MST	I11	4	2	IV	Burnt	MRF	1/12/2016	OES	1,42	11,62	12	2,44	angular	complete	cylinder	irregular	not broken in diameter		Inner damaged	Asymmetrical	1
DB2240	MST	I11	4	2	IV	Burnt	MRF	1/12/2016	OES	1,39	11,25	11	2,62	sub-rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2241	MST	I11	4	2	IV	Burnt	MRF	1/12/2016	OES	14,9	10,97	11	2,36	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2242	MST	I11	4	2	IV	Burnt	MRF	1/12/2016	OES	14,2	10,24	10	1,88	sub-rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2243	MST	I11	4	2	IV	Burnt	MRF	2/12/2016	OES	1,46	11,48	11	2,48	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	Inner damaged	Asymmetrical	1
DB2244	MST	I11	4	2	IV	Burnt	MRF	2/12/2016	OES	1,45	10,63	11	2,78	rounded	complete	cylinder	sphere	not broken in diameter		Either of surfaces damaged	Asymmetrical	1
DB2245	MST	I11	4	2	IV	Burnt	MRF	2/12/2016	OES	1,42	11,07	11	2,21	rounded	complete	cylinder	oblate	not broken in diameter		Inner damaged	Asymmetrical	1

DB2246	MST	I11	4	2	IV	Burnt	MRF	1/12/2016	OES	1,4	10,5	11	3,18	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2247	MST	I11	4	2	IV	Burnt	MRF	1/12/2016	OES	1,44	11,05	11	2,51	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2248	MST	I11	4	2	IV	Burnt	MRF	1/12/2016	OES	1,44	10,84	11	2,36	sub-rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2249	MST	I11	4	2	IV	Unburnt	MRF	1/12/2016	OES	1,85	10,68	11	2,16	sub-rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2250	MST	I11	4	2	IV	Unburnt	MRF	5/12/2016	OES	1,77	10,72	11	2	sub-rounded	complete	trapezium, but described as cylinder earlier	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2251	MST	I11	4	2	IV	Unburnt	MRF	5/12/2016	OES	1,93	10,83	11	1,46	sub-rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB2252	MST	I11	4	2	IV	Unburnt	MRF	5/12/2016	OES	1,83	10,42	10	2,3	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2253	MST	I11	4	2	IV	Burnt	MRF	5/12/2016	OES	1,18	10,44	10	2,37	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Edge almost symmetrical	1
DB2254	MST	I11	4	2	IV	Burnt	MRF	5/12/2016	OES	14,7	10,39	10	18,3	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2255	MST	I11	4	2	IV	Unburnt	MRF	5/12/2016	OES	1,94	10,4	10	1,8	sub-rounded	complete	trapezium, but described as cylinder earlier	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2256	MST	I11	4	2	IV	Burnt	MRF	5/12/2016	OES	1,44	10,21	10	2,02	angular	complete	cylinder	sphere	broken into a half and more	brokenin half	Inner damaged	Asymmetrical	1
DB2257	MST	I11	4	2	IV	Burnt	MRF	5/12/2016	OES	1,54	10,44	10	1,65	sub-rounded	complete	cylinder	almost triangular	broken into a half and more	broken(more than half present)	No damage to layers/thickness of bead	Asymmetrical	1

DB2258	MST	I11	4	2	IV	Burnt	MRF	6/12/2016	OES	1,43	10,57	11	2,61	sub-rounded	complete	cylinder	irregular	not broken in diameter		Outer damaged	Asymmetrical	1
DB2259	MST	I11	4	2	IV	Burnt	MRF	6/12/2016	OES	1,51	10,32	10	1,85	sub-rounded	complete	cylinder	almost triangular	not broken in diameter		Inner damaged	Asymmetrical	1
DB2260	MST	I11	4	2	IV	Burnt	MRF	6/12/2016	OES	1,5	10,4	10	2,8	sub-rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2261	MST	I11	4	2	IV	Burnt	MRF	6/12/2016	OES	1,75	10,25	10	2,4	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2262	MST	I11	4	2	IV	Burnt	MRF	6/12/2016	OES	1,5	10,32	10	2,89	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2263	MST	I11	4	2	IV	Burnt	MRF	6/12/2016	OES	1,53	10,36	10	2,91	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2264	MST	I11	4	2	IV	Burnt	MRF	6/12/2016	OES	1,28	10,2	10	2,14	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2265	MST	I11	4	2	IV	Burnt	MRF	6/12/2016	OES	1,51	10,23	10	2,73	rounded	complete	trapezium, but described as cylinder earlier	sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1

DB2266	MST	I11	4	2	IV	Burnt	MRF	6/12/2016	OES	1,56	10,46	10	2,27	sub-rounded	complete	cylinder	oblate	not broken in diameter		Inner damaged	Asymmetrical	1
DB2267	MST	I11	4	2	IV	Burnt	MRF	6/12/2016	OES	1,61	9,98	10	2,95	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2268	MST	I11	4	2	IV	Unburnt	MRF	6/12/2016	OES	2,09	10,08	10	2,25	sub-rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2269	MST	I11	4	2	IV	Burnt	MRF	6/12/2016		1,81	9,99	10	2,72	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2270	MST	I11	4	2	IV	Burnt	MRF	6/12/2016	OES	1,44	10,11	10	2,56	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2271	MST	I11	4	2	IV	Unburnt	MRF	6/12/2016	OES	1,84	10,1	10	1,91	angular	complete	cylinder	irregular	not broken in diameter		Inner damaged	Asymmetrical	1
DB2272	MST	I11	4	2	IV	Unburnt	MRF	6/12/2016	OES	1,83	9,78	10	1,94	sub-rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB2273	MST	I11	4	2	IV	Burnt	MRF	7/12/2016	OES	1,44	9,78	10	1,8	sub-rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2274	MST	I11	4	2	IV	Burnt	MRF	7/12/2016	OES	1,54	10,01	10	2,31	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2275	MST	I11	4	2	IV	Burnt	MRF	7/12/2016	OES	1,49	9,71	10	2,08	sub-rounded	complete	trapezium, but described as cylinder earlier	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2276	MST	I11	4	2	IV	Unburnt	MRF	7/12/2016	OES	1,8	9,69	10	1,5	angular	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2277	MST	I11	4	2	IV	Unburnt	MRF	7/12/2016	OES	1,81	9,67	10	2,65	sub-rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2278	MST	I11	4	2	IV	Burnt	MRF	7/12/2016	OES		9,51	10	1,66	sub-rounded	complete	cylinder	somewhat triangular	not broken in diameter		Inner damaged	Asymmetrical	1

DB2279	MST	I11	4	2	IV	Burnt	MRF	7/12/2016	OES	1,47	9,43	9	1,91	sub-rounded	complete	cylinder	irregular	not broken in diameter		Inner damaged	Asymmetrical	1
DB2280	MST	I11	4	2	IV	Unburnt	MRF	7/12/2016	OES	1,86	9,71	10	1,98	rounded	complete	cylinder	oblate	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2281	MST	I11	4	2	IV	Unburnt	MRF	7/12/2016	OES	1,78	9,37	9	2,02	sub-rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2282	MST	I11	4	2	IV	Burnt	MRF	7/12/2016	OES	1,54	9,18	9	2,17	sub-rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2283	MST	I11	4	2	IV	Burnt	MRF	7/12/2016	OES	1,37	9,78	10	2,2	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2284	MST	I11	4	2	IV	Burnt	MRF	7/12/2016	OES	1,46	9,79	10	2,17	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2285	MST	I11	4	2	IV	Burnt	MRF	7/12/2016	OES	1,2	9,7	10	2,09	sub-rounded	complete		irregular	not broken in diameter		Inner damaged	Asymmetrical	1

DB2286	MST	I11	4	2	IV	Burnt	MRF	7/12/2016	OES	1,28	9,58	10	2,19	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Edge almost symmetrical	1
DB2287	MST	I11	4	2	IV	Burnt	MRF	7/12/2016	OES	1,36	9,6	10	2,47	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2288	MST	I11	4	2	IV	Burnt	MRF	7/12/2016	OES	1,99	9,58	10	2,79	angular	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2289	MST	I11	4	2	IV	Unburnt	MRF	7/12/2016	OES	9,37	9,27	9	2,75	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB2290	MST	I11	4	2	IV	Burnt	MRF	7/12/2016	OES	1,29	10,37	10	2,38	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	Inner damaged	Asymmetrical	1
DB2291	MST	I11	4	2	IV	Burnt	MRF	8/12/2016	OES	1,68	10,27	10	2,13	rounded	complete	cylinder	sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB2292	MST	I11	4	2	IV	Burnt	MRF	8/12/2016	OES	1,37	10,48	10	3,44	rounded	complete	cylinder	sphere	broken into less than a half		Inner damaged	Asymmetrical	1

DB2293	MST	I11	4	2	IV	Burnt	MRF	8/12/2016	OES	1,38	10,08	10	2,97	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2294	MST	I11	4	2	IV	Burnt	MRF	8/12/2016	OES	1,45	9,98	10	1,55	sub-rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	Inner damaged	Asymmetrical	1
DB2295	MST	I11	4	2	IV	Burnt	MRF	8/12/2016	OES	1,28	10,06	10	1,78	sub-rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	Inner damaged	Asymmetrical	1
DB2296	MST	I11	4	2	IV	Burnt	MRF	8/12/2016	OES	1,65	9,98	10	2,01	rounded	complete	cylinder	sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB2297	MST	I11	4	2	IV	Burnt	MRF	8/12/2016	OES	1,18	9,43	9	2	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	Inner damaged	Asymmetrical	1
DB2298	MST	I11	4	2	IV	Burnt	MRF	8/12/2016	OES	1,16	9,45	9	2	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	Inner damaged	Asymmetrical	1
DB2299	MST	I11	4	2	IV	Burnt	MRF	8/12/2016	OES	1,47	9,69	10	2,19	rounded	complete	cylinder	sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB2300	MST	I11	4	2	IV	Burnt	MRF	8/12/2016	OES	1,25	8,57	9	1,71	rounded	complete	cylinder	sphere	broken into a half and more	broken(more than half present)	Inner damaged	Asymmetrical	1
DB2301	MST	I11	4	2	IV	Burnt	MRF	8/12/2016	OES	1,59	9,33	9	2,62	sub-rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	Inner damaged	Asymmetrical	1

DB2302	MST	I11	4	2	IV	Burnt	MRF	8/12/2016	OES	1,42	9,17	9	2,28	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Edge almost symmetrical	1
DB2303	MST	I11	4	2	IV	Burnt	MRF	8/12/2016	OES	1,47	9,75	10	1,58	rounded	complete	cylinder	almost triangular	not broken in diameter		Inner damaged	Asymmetrical	1
DB2304	MST	I11	4	2	IV	Burnt	MRF	8/12/2016	OES	1,54	9,02	9	2,36	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2305	MST	I11	4	2	IV	Burnt	MRF	9/12/2016	OES	1,27	9,03	9	1,96	sub-rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2306	MST	I11	4	2	IV	Burnt	MRF	9/12/2016	OES	1,24	8,82	9	2,72	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2307	MST	I11	4	2	IV	Burnt	MRF	9/12/2016	OES	1,16	8,77	9	2,67	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2308	MST	I11	4	2	IV	Burnt	MRF	9/12/2016	OES	1,5	8,79	9	2,05	sub-rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2309	MST	I11	4	2	IV	Unburnt	MRF	9/12/2016	OES	1,15	8,78	9	3,15	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB2310	MST	I11	4	2	IV	Burnt	MRF	9/12/2016	OES	1,35	9,34	9	2,2	rounded	complete	cylinder	sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB2311	MST	I11	4	2	IV	Burnt	MRF	9/12/2016	OES	1,5	9,62	10	3	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2312	MST	I11	4	2	IV	Burnt	MRF	9/12/2016	OES	1,36	9,3	9	2,07	rounded	complete	cylinder	sphere	not broken in diameter		Outer damaged	Asymmetrical	1
DB2313	MST	I11	4	2	IV	Burnt	MRF	9/12/2016	OES	1,48	8,76	9	2,67	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	Inner damaged	Asymmetrical	1
DB2314	MST	I11	4	2	IV	Burnt	MRF	9/12/2016	OES	1,23	8,59	9	2,44	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	Inner damaged	Asymmetrical	1
DB2315	MST	I11	4	2	IV	Burnt	MRF	9/12/2016	OES	1,39	8,7	9	2,9	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	Inner damaged	Asymmetrical	1
DB2316	MST	I11	4	2	IV	Burnt	MRF	9/12/2016	OES	1,34	8,88	9	1,83	rounded	complete	cylinder	sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB2317	MST	I11	4	2	IV	Burnt	MRF	9/12/2016	OES	1,5	8,45	8	2,17	sub-rounded	complete	cylinder	sphere	broken into less than a half		Inner damaged	Asymmetrical	1

DB2318	MST	I11	4	2	IV	Burnt	MRF	9/12/2016	OES	1,47	8,61	9	1,33	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2319	MST	I11	4	2	IV	Burnt	MRF	9/12/2016	OES	1,45	8,83	9	1,94	sub-rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2320	MST	I11	4	2	IV	Burnt	MRF	9/12/2016	OES	1,52	8,74	9	2,18	angular	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2321	MST	I11	4	2	IV	Burnt	MRF	9/12/2016	OES	1,92	8,49	8	2,2	rounded	complete	cylinder	sphere	not broken in diameter		Either of surfaces damaged	Asymmetrical	1
DB2322	MST	I11	4	2	IV	Burnt	MRF	9/12/2016	OES	1,64	1,68	2	2,54	sub-rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2323	MST	I11	4	2	IV	Unburnt	MRF	9/12/2016	OES	1,65	8,38	8	2,19	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2324	MST	I11	4	2	IV	Burnt	MRF	9/12/2016	OES	1,53	9,72	10	2,65	rounded	complete	cylinder	irregular	not broken in diameter		Inner damaged	Asymmetrical	1

DB2325	MST	I11	4	2	IV	Burnt	MRF	9/12/2016	OES	1,42	8,7	9	2,24	sub-rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2326	MST	I11	4	2	IV	Burnt	MRF	12/12/2016	OES	1,16	8,5	9	2,42	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2327	MST	I11	4	2	IV	Unburnt	MRF	12/12/2016	OES	1,97	8,26	8	0,8	sub-rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2328	MST	I11	4	2	IV	Burnt	MRF	12/12/2016	OES	1,41	8,39	8	2,31	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2329	MST	I11	4	2	IV	Burnt	MRF	12/12/2016	OES	1,5	8,32	8	2,26	rounded	complete	trapezium, but described as cylinder earlier	sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1
DB2330	MST	I11	4	2	IV	Burnt	MRF	12/12/2016	OES	1,5	8,43	8	2,32	sub-rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2331	MST	I11	4	2	IV	Burnt	MRF	12/12/2016	OES	1,27	8,1	8	1,31	sub-rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2332	MST	I11	4	2	IV	Burnt	MRF	12/12/2016	OES	1,34	8,21	8	1,81	sub-rounded	complete	cylinder	irregular	not broken in diameter		Inner damaged	Asymmetrical	1

DB2333	MST	I11	4	2	IV	Burnt	MRF	12/12/2016	OES	1,51	8,09	8	1,8	angular	complete	cylinder	irregular	not broken in diameter		Inner damaged	Asymmetrical	1
DB2334	MST	I11	4	2	IV	Burnt	MRF	12/12/2016	OES	1,38	7,73	8	1,67	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2335	MST	I11	4	2	IV	Burnt	MRF	12/12/2016	OES	1,26	7,57	8	1,89	angular	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2336	MST	I11	4	2	IV	Unburnt	MRF	12/12/2016	OES	1,9	8,33	8	2,14	sub-rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2337	MST	I11	4	2	IV	Burnt	MRF	12/12/2016	OES	1,53	8,47	8	2,47	angular	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2338	MST	I11	4	2	IV	Burnt	MRF	12/12/2016	OES	2	8,09	8	1,91	sub-rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2339	MST	I11	4	2	IV	Burnt	MRF	12/12/2016	OES	1,51	8,28	8	1,37	sub-rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB2340	MST	I11	4	2	IV	Burnt	MRF	12/12/2016	OES	0,97	7,78	8	2,39	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2341	MST	I11	4	2	IV	Unburnt	MRF	12/12/2016	OES	1,5	7,47	7	1,77	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2342	MST	I11	4	2	IV	Burnt	MRF	12/12/2016	OES	1,44	8,04	8	2,02	angular	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2343	MST	I11	4	2	IV	Burnt	MRF	12/12/2016	OES	1,81	7,28	7	2,41	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2344	MST	I11	4	2	IV	Burnt	MRF	12/12/2016	OES	1,17	7,1	7	2,79	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2345	MST	I11	4	2	IV	Burnt	MRF	12/12/2016	OES	1,41	7,19	7	2,3	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2346	MST	I11	4	2	IV	Unburnt	MRF	12/12/2016	OES	1,46	7,43	7	1,81	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2347	MST	I11	4	2	IV	Burnt	MRF	12/12/2016	OES	1,5	7,16	7	1,68	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1

DB2348	MST	I11	4	2	IV	Burnt	MRF	12/12/2016	OES	1,45	6,93	7	1,83	sub-rounded	complete	cylinder	irregular	not broken in diameter		Inner damaged	Asymmetrical	1
DB2349	MST	I11	4	2	IV	Burnt	MRF	13/12/2016	OES	1,61	6,93	7	2,56	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2350	MST	I11	4	2	IV	Burnt	MRF	13/12/2016	OES	1,49	6,77	7	1,51	sub-rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2351	MST	I11	4	2	IV	Burnt	MRF	13/12/2016	OES	2,05	6,67	7	1,67	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2352	MST	I11	4	2	IV	Burnt	MRF	13/12/2016	OES	2,01	6,44	6	0,99	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2353	MST	I11	4	2	IV	Burnt	MRF	13/12/2016	OES	1,6	6,51	7	1,63	rounded	complete	cylinder	irregular	not broken in diameter		Inner damaged	Asymmetrical	1
DB2354	MST	I11	4	2	IV	Unburnt	MRF	13/12/2016	OES	1,39	6,09	6	2,68	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB23 55	MS T	I1 1	4	2	IV	Burnt	MRF	13/12/ 2016	OE S	1,7 1	6,1 9	6	0, 81	angul ar	compl ete	cylinder	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB23 56	MS T	I1 1	4	2	IV	Burnt	MRF	13/12/ 2016	OE S	1,3 8	5,6 6	6	1, 84	round ed	compl ete	cylinder	sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB23 57	MS T	I1 1	4	2	IV	Unbu rnt	MRF	13/12/ 2016	OE S	1,4 8	7,5 2	8	2, 14	round ed	compl ete	cylinder	sphere	broken into a half and more	brokeni n half	Inner damaged	Asymme trical	1
DB23 58	MS T	I1 1	4	2	IV	Burnt	MRF	13/12/ 2016	OE S	1,4 2	6,6 1	7	1, 93	round ed	compl ete	cylinder	sphere	broken into a half and more	brokeni n half	Inner damaged	Asymme trical	1
DB23 59	MS T	I1 1	4	2	IV	Burnt	MRF	13/12/ 2016	OE S	1,4 7	6,5 1	7	2, 05	round ed	compl ete	cylinder	sphere	broken into less than a half		Inner damaged	Asymme trical	1
DB23 60	MS T	I1 1	4	2	IV	Unbu rnt	MRF	13/12/ 2016	OE S	1,4 6	5,9 9	6	1, 78	round ed	compl ete	cylinder	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1

DB2361	MST	I11	4	2	IV	Unburnt	MRF	13/12/2016	OES	1,41	5,05	5	1,57	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB2362	MST	I11	4	2	IV	Burnt	MRF	13/12/2016	OES	1,66	4,43	4	0,96	rounded	complete	cylinder	sphere	broken into less than a half		Inner damaged	Asymmetrical	1
DB2363	MST	I11	4	2	IV	Burnt	MRF	13/12/2016	OES	1,66	10,27	10	2,16	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2364	MST	I11	5	2	IV	Burnt	MRF	23/11/2016	OES	1,36	12,82	13	3,04	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2365	MST	K8	1(i)	2	IV	Burnt	MRF	12/01/2017	OES	1,72	7,7	8	2,68	sub-rounded	complete	cylinder	sphere	broken into a half and more	broken(more than half present)	No damage to layers/thickness of bead	Asymmetrical	1
DB2366	MST	K8	1(i)	2	IV	Unburnt	MRF	12/01/2017	OES	1,52	7,32	7	2,64	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1

DB23 67	MS T	K 8	1(i)	2	IV	Unbu rnt	MRF	12/01/ 2017	OE S	1,6 1	7,2 4	7	2, 04	round ed	compl ete	cylinder	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB23 68	MS T	K 8	1(i)	2	IV	Burnt	MRF	12/01/ 2017	OE S	1,6 1	6,9 9	7	1, 8	round ed	compl ete	cylinder	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB23 69	MS T	K 8	1(i)	2	IV	Unbu rnt	MRF	12/01/ 2017	OE S	1,4 5	6,8 9	7	2, 21	sub-round ed	compl ete	cylinder	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB23 70	MS T	K 8	1(i)	2	IV	Unbu rnt	MRF	12/01/ 2017	OE S	1,5 8	6,4 7	6	1, 42	round ed	compl ete	cylinder	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Bead almost symmetr ical	1

DB2371	MST	K8	1(i)	2	IV	Unburnt	MRF	12/01/2017	OES	1,47	6,38	6	2,08	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2372	MST	K8	1(i)	2	IV	Unburnt	MRF	12/01/2017	OES	1,42	5,37	5	1,7	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2373	MST	K8	1(i)	2	IV	Unburnt	MRF	12/01/2017	OES	1,2	5,18	5	2,38	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB2374	MST	K8	1(i)	2	IV	Unburnt	MRF	12/01/2017	OES	0,54	4,39	4	1,53	rounded	complete	cylinder	irregular	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB2375	MST	K8	1(i)	2	IV	Burnt	UP Arts Museum	42894	OES	1,61	5,48	5	1,21	Rounded	Complete	Cylinder	Sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB2376	MST	K8	3	2	IV	Burnt	MRF	12/01/2017	OES	1,51	8,42	8	1,98	angular	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2377	MST	K8	3	2	IV	Burnt	MRF	12/01/2017	OES	1,34	8,3	8	2,07	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2378	MST	K8	3	2	IV	Unburnt	MRF	12/01/2017	OES	1,54	7,3	7	2,57	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB2379	MST	K8	3	2	IV	Unburnt	MRF	12/01/2017	OES	1,16	6,82	7	2,85	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB2380	MST	K8	3	2	IV	Burnt	MRF	12/01/2017	OES	1,42	6,92	7	2,38	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2381	MST	K8	3	2	IV	Unburnt	MRF	12/01/2017	OES	1,1	6,67	7	2,58	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Edge almost symmetrical	1
DB2382	MST	K8	3	2	IV	Unburnt	MRF	12/01/2017	OES	1,22	6,38	6	3,28	rounded	complete	cylinder	sphere	broken into a half and more	broken(more than half present)	No damage to layers/thickness of bead	Asymmetrical	1
DB2383	MST	K8	3	2	IV	Unburnt	MRF	12/01/2017	OES	1,36	6,28	6	2,5	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1

DB2384	MST	K8	3	2	IV	Unburnt	MRF	12/01/2017	ACH	0,78	6,16	6	1,19	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2385	MST	K8	3	2	IV	Unburnt	MRF	18/01/2017	OES	1,36	5,77	6	1,6	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB2386	MST	K8	3	2	IV	Unburnt	MRF	18/01/2017	OES	1,41	5,4	5	2,57	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB2387	MST	K8	3	2	IV	Burnt	MRF	18/01/2017	OES	2,46	5,52	6	2,45	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Edge almost symmetrical	1
DB2388	MST	K8	3	2	IV	Unburnt	MRF	18/01/2017	OES	1,2	5,17	5	2,2	rounded	complete	cylinder	irregular	broken into a half and more	broken(more than half present)	No damage to layers/thickness of bead	Asymmetrical	1

DB23 89	MS T	K 8	3	2	IV	Unbu rnt	MRF	18/01/ 2017	OE S	1,2 6	4,6 2	5	2, 34	round ed	compl ete	cylinder	sphere	broken into a half and more	brokeni n half	No damage to layers/thic kness of bead	Asymme trical	1
DB23 90	MS T	K 8	3	2	IV	Burnt	MRF	18/01/ 2017	OE S	1,1 9	5,1 1	5	2, 01	round ed	compl ete	cylinder	sphere	not broken in diamet er		Inner damaged	Asymme trical	1
DB23 91	MS T	K 8	3	2	IV	Unbu rnt	MRF	18/01/ 2017	OE S	1,5 1	4,9 8	5	1, 81	round ed	compl ete	cylinder	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Edge almost symmetr ical	1
DB23 92	MS T	K 8	3	2	IV	Unbu rnt	MRF	18/01/ 2017	OE S	1,2 4	3,1 4	3	1, 33	round ed	compl ete	cylinder	sphere	broken into less than a half		Inner damaged	Asymme trical	1
DB23 93	MS T	K 8	4	2	III(b) , later secti on	Unbu rnt	MRF	20/01/ 2017	OE S	1,8 3	7,6	8	2, 65	angul ar	compl ete	cylinder	sphere	broken into a half and more	brokeni n half	No damage to layers/thic kness of bead	Asymme trical	1

DB2394	MST	K8	4	2	III(b), later section	Unburnt	MRF	20/01/2017	OES	1,62	7,17	7	1,92	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2395	MST	K8	4	2	III(b), later section	Unburnt	MRF	20/01/2017	OES	1,52	6,78	7	2,34	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB2396	MST	K8	4	2	III(b), later section	Unburnt	MRF	20/01/2017	OES	2,06	6,83	7	1,58	angular	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB2397	MST	K8	4	2	III(b), later section	Unburnt	MRF	20/01/2017	OES	1,29	6,42	6	2,91	rounded	complete	cylinder	sphere	broken into a half and more	broken(more than half present)	No damage to layers/thickness of bead	Asymmetrical	1

DB2398	MST	K8	4	2	III(b), later section	Unburnt	MRF	20/01/2017	OES	1,16	6,36	6	2,67	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB2399	MST	K8	4	2	III(b), later section	Unburnt	MRF	20/01/2017	OES	1,47	5,98	6	2,28	rounded	complete	cylinder	sphere	broken into a half and more	broken(more than half present)	No damage to layers/thickness of bead	Asymmetrical	1
DB2400	MST	K8	4	2	III(b), later section	Unburnt	MRF	20/01/2017	OES	1,66	6,38	6	1,23	rounded	complete	cylinder	sphere	broken into a half and more	broken(more than half present)	No damage to layers/thickness of bead	Asymmetrical	1
DB2401	MST	K8	4	2	III(b), later section	Unburnt	MRF	20/01/2017	OES	0,84	5,97	6	2,88	rounded	complete	cylinder	sphere	broken into a half and more	broken(more than half present)	No damage to layers/thickness of bead	Asymmetrical	1

DB2402	MST	K8	4	2	III(b), later section	Unburnt	MRF	20/01/2017	OES	0,89	5,63	6	2,45	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB2403	MST	K8	4	2	III(b), later section	Unburnt	MRF	20/01/2017	OES	1,37	5,65	6	1,98	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB2404	MST	K8	4	2	III(b), later section	Unburnt	MRF	20/01/2017	OES	1,16	5,45	5	2,19	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB2405	MST	K8	4	2	III(b), later section	Unburnt	MRF	20/01/2017	OES	0,92	5,16	5	2,83	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1

DB2406	MST	K8	4	2	III(b), later section	Unburnt	MRF	20/01/2017	OES	1,21	5,14	5	2,19	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB2407	MST	K8	4	2	III(b), later section	Unburnt	MRF	20/01/2017	OES	0,85	4,95	5	2,36	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB2408	MST	K8	4	2	III(b), later section	Unburnt	MRF	20/01/2017	OES	7,19	4,62	5	2,44	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB2409	MST	K8	5	2	III(b), later section	Unburnt	MRF	23/01/2017	OES	1,99	13,49	13	2,57	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1

DB2410	MST	K8	5	2	III(b), later section	Unburnt	MRF	23/01/2017	OES	2,1	1,25	1	2,07	sub-rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2411	MST	K8	5	2	III(b), later section	Unburnt	MRF	23/01/2017	OES	2,06	12,43	12	2,03	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2412	MST	K8	5	2	III(b), later section	Unburnt	MRF	23/01/2017	OES	1,79	9,77	10	2,44	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2413	MST	K8	5	2	III(b), later section	Unburnt	MRF	23/01/2017	OES	1,55	6,86	7	2,28	rounded	complete	cylinder	somewhat triangular	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2414	MST	K8	5	2	III(b), later section	Unburnt	MRF	23/01/2017	OES	1,79	6,18	6	1,82	rounded	complete	cylinder	irregular	not broken in diameter		Outer damaged	Asymmetrical	1

DB24 15	MS T	K 8	5	2	III(b) , later secti on	Unbu rnt	MRF	23/01/ 2017	OE S	1,8 2	6,0 8	6	1, 7	round ed	compl ete	cylinder	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1
DB24 16	MS T	K 8	5	2	III(b) , later secti on	Unbu rnt	MRF	23/01/ 2017	OE S	1,3 1	5,6 8	6	2, 01	round ed	compl ete	cylinder	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Bead almost symmetr ical	1
DB24 17	MS T	K 8	5	2	III(b) , later secti on	Unbu rnt	MRF	23/01/ 2017	OE S	1,2 2	5,8 3	6	2, 61	round ed	compl ete	cylinder	sphere	broken into a half and more	brokeni n half	No damage to layers/thic kness of bead	Asymme trical	1
DB24 18	MS T	K 8	5	2	III(b) , later secti on	Unbu rnt	MRF	23/01/ 2017	OE S	1,5 8	5,7 3	6	1, 81	round ed	compl ete	cylinder	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1

DB2419	MST	K8	5	2	III(b), later section	Unburnt	MRF	23/01/2017	OES	1,14	5,61	6	2,46	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB2420	MST	K8	5	2	III(b), later section	Unburnt	MRF	23/01/2017	OES	1,39	4,8	5	1,45	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB2421	MST	K8	5	2	III(b), later section	Unburnt	MRF	23/01/2017	OES	1,36	4,66	5	1,76	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB2422	MST	K8	5	2	III(b), later section	Unburnt	MRF	23/01/2017	OES	0,86	4,27	4	2,16	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB2423	MST	K8	5	2	III(b), later section	Unburnt	MRF	23/01/2017	ACH	0,54	3,69	4	1,37	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB2424	MST	K8	5	2	III(b), later section	Unburnt	MRF	23/01/2017	OES	0,51	3,43	3	0,83	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2425	MST	K8	6	2	III(b), later section	Unburnt	MRF	23/01/2017	OES	1,68	13,73	14	3,59	angular	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB2426	MST	K8	6	2	III(b), later section	Unburnt	MRF	23/01/2017	OES	1,77	10,53	11	1,39	sub-rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2427	MST	K8	6	2	III(b), later section	Burnt	MRF	23/01/2017	OES	1,14	8,82	9	2,69	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	Inner damaged	Bead almost symmetrical	1

DB2428	MST	K8	6	2	III(b), later section	Unburnt	MRF	23/01/2017	OES	1,17	7,56	8	2,49	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB2429	MST	K8	6	2	III(b), later section	Unburnt	MRF	23/01/2017	OES	1,69	7,17	7	1,89	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2430	MST	K8	6	2	III(b), later section	Burnt	MRF	23/01/2017	OES	1,28	6,87	7	2,3	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Bead almost symmetrical	1
DB2431	MST	K8	6	2	III(b), later section	Unburnt	MRF	23/01/2017	OES	1,22	6,71	7	2,28	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2432	MST	K8	6	2	III(b), later section	Unburnt	MRF	23/01/2017	OES	1,19	6,62	7	2,45	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1

DB2433	MST	K8	6	2	III(b), later section	Unburnt	MRF	23/01/2017	ACH	1,44	6,05	6	1,23	rounded	complete	cylinder	irregular	not broken in diameter		Either of surfaces damaged	Asymmetrical	1
DB2434	MST	K8	6	2	III(b), later section	Unburnt	MRF	23/01/2017	ACH	0,87	5,47	5	1	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2435	MST	K8	6	2	III(b), later section	Unburnt	MRF	23/01/2017	ACH	0,83	5,32	5	1,24	sub-rounded	complete	cylinder	irregular	not broken in diameter		Either of surfaces damaged	Asymmetrical	1
DB2436	MST	K8	6	2	III(b), later section	Unburnt	MRF	23/01/2017	ACH	1,16	5,11	5	1,25	rounded	complete	cylinder	irregular	not broken in diameter		Either of surfaces damaged	Asymmetrical	1
DB2437	MST	K8	6	2	III(b), later section	Unburnt	MRF	23/01/2017	OES	1,37	4,83	5	1,63	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1
DB2438	MST	K8	6	2	III(b), later section	Unburnt	MRF	23/01/2017	OES	1,23	2,95	3	0,97	rounded	complete	cylinder	sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1

DB2439	MST	K8	6(2)	2	III(b), later section	Unburnt	MRF	23/01/2017	OES	1,54	9,64	10	2,07	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB2440	MST	K8	6(2)	2	III(b), later section	Unburnt	MRF	23/01/2017	OES	1,22	8,98	9	2,13	rounded	complete	cylinder	sphere	broken into a half and more	broken(more than half present)	No damage to layers/thickness of bead	Edge almost symmetrical	1
DB2441	MST	K8	6(2)	2	III(b), later section	Burnt	MRF	23/01/2017	OES	1,2	7,71	8	2,44	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Edge almost symmetrical	1
DB2442	MST	K8	6(2)	2	III(b), later section	Unburnt	MRF	23/01/2017	OES	1,75	7,48	7	2,61	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2443	MST	K8	6(2)	2	III(b), later section	Unburnt	MRF	23/01/2017	OES	1,33	7,34	7	2,79	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB2444	MST	K8	6(2)	2	III(b), later section	Unburnt	MRF	23/01/2017	OES	1,16	7,33	7	2,86	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2445	MST	K8	6(2)	2	III(b), later section	Unburnt	MRF	23/01/2017	OES	1,09	7,34	7	2,32	rounded	complete	cylinder	sphere	broken into a half and more	broken(more than half present)	No damage to layers/thickness of bead	Asymmetrical	1
DB2446	MST	K8	6(2)	2	III(b), later section	Unburnt	MRF	23/01/2017	OES	1,3	6,81	7	2,25	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB2447	MST	K8	6(2)	2	III(b), later section	Burnt	MRF	23/01/2017	ACH	1,54	5,88	6	1,25	rounded	complete	cylinder	irregular	not broken in diameter		Either of surfaces damaged	Asymmetrical	1
DB2448	MST	K8	6(2)	2	III(b), later section	Unburnt	MRF	23/01/2017	ACH	0,79	4,86	5	0,96	rounded	complete	cylinder	somewhat triangular	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB2449	MST	K8	7	2	III(b), earlier section	Unburnt	MRF	23/01/2017	OES	1,56	10,07	10	2,43	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2450	MST	K8	7	2	III(b), earlier section	Unburnt	MRF	23/01/2017	OES	1,77	10,06	10	2,67	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2451	MST	K8	7	2	III(b), earlier section	Unburnt	MRF	23/01/2017	OES	1,71	9,63	10	2,21	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2452	MST	K8	7	2	III(b), earlier section	Unburnt	MRF	23/01/2017	OES	1,81	9,49	9	1,95	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB2453	MST	K8	7	2	III(b), earlier section	Unburnt	MRF	23/01/2017	OES	1,71	8,66	9	1,93	sub-rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2454	MST	K8	7	2	III(b), earlier section	Unburnt	MRF	23/01/2017	OES	1,45	8,12	8	2,04	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2455	MST	K8	7	2	III(b), earlier section	Unburnt	MRF	23/01/2017	OES	1,26	7,76	8	2,57	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2456	MST	K8	7	2	III(b), earlier section	Unburnt	MRF	23/01/2017	OES	1,28	7,78	8	2,3	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1

DB2457	MST	K8	7	2	III(b), earlier section	Unburnt	MRF	23/01/2017	OES	1,25	2,8	3	2,26	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB2458	MST	K8	7	2	III(b), earlier section	Unburnt	MRF	23/01/2017	OES	1,63	7,86	8	1,57	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2459	MST	K8	7	2	III(b), earlier section	Burnt	MRF	23/01/2017	OES	1,29	7,73	8	2,24	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB2460	MST	K8	7	2	III(b), earlier section	Unburnt	MRF	23/01/2017	OES	1,29	1,29	1	2,71	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1

DB2461	MST	K8	7	2	III(b), earlier section	Unburnt	MRF	23/01/2017	OES	1,36	7,07	7	2,51	rounded	complete	cylinder	irregular	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2462	MST	K8	7	2	III(b), earlier section	Unburnt	MRF	23/01/2017	OES	1,35	6,7	7	3,16	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB2463	MST	K8	7	2	III(b), earlier section	Unburnt	MRF	23/01/2017	OES	1,26	7,03	7	2,12	rounded	complete	cylinder	irregular	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2464	MST	K8	7	2	III(b), earlier section	Unburnt	MRF	23/01/2017	OES	1,84	6,89	7	1,44	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB2465	MST	K8	7	2	III(b), earlier section	Unburnt	MRF	23/01/2017	OES	1,14	6,66	7	2,55	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB2466	MST	K8	7	2	III(b), earlier section	Unburnt	MRF	23/01/2017	OES	1,33	6,65	7	2,65	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2467	MST	K8	7	2	III(b), earlier section	Unburnt	MRF	23/01/2017	OES	1,4	6,57	7	1,96	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2468	MST	K8	7	2	III(b), earlier section	Unburnt	MRF	23/01/2017	OES	1,33	5,59	6	2,54	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB24 69	MS T	K 8	7	2	III(b) , earli er secti on	Unbu rnt	MRF	24/01/ 2017	OE S	1,4 5	9,2 6	9	2, 63	round ed	compl ete	cylinder	sphere	broken into a half and more	brokeni n half	No damage to layers/thic kness of bead	Bead almost symmetr ical	1
DB24 70	MS T	K 8	7	2	III(b) , earli er secti on	Unbu rnt	MRF	24/01/ 2017	OE S	1,5 3	8,5 8	9	2, 15	round ed	compl ete	cylinder	sphere	broken into a half and more	brokeni n half	No damage to layers/thic kness of bead	Bead almost symmetr ical	1
DB24 71	MS T	K 8	7	2	III(b) , earli er secti on	Unbu rnt	MRF	24/01/ 2017	OE S	1,2 2	7,6 8	8	2, 68	round ed	compl ete	cylinder	sphere	broken into a half and more	brokeni n half	No damage to layers/thic kness of bead	Asymme trical	1
DB24 72	MS T	K 8	7	2	III(b) , earli er secti on	Unbu rnt	MRF	24/01/ 2017	OE S	1,5 9	7,6 3	8	2, 36	round ed	compl ete	cylinder	sphere	broken into a half and more	brokeni n half	No damage to layers/thic kness of bead	Bead almost symmetr ical	1

DB2473	MST	K8	7	2	III(b), earlier section	Unburnt	MRF	24/01/2017	OES	1,16	7,15	7	2,35	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB2474	MST	K8	7	2	III(b), earlier section	Unburnt	MRF	24/01/2017	OES	1,47	7,1	7	1,45	rounded	complete	cylinder	sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1
DB2475	MST	K8	7	2	III(b), earlier section	Unburnt	MRF	24/01/2017	OES	1,08	6,08	6	2,36	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2476	MST	K8	7	2	III(b), earlier section	Unburnt	MRF	24/01/2017	OES	1,27	5,62	6	2,48	rounded	complete	cylinder	sphere	broken into a half and more	broken(more than half present)	No damage to layers/thickness of bead	Asymmetrical	1

DB2477	MST	K8	7	2	III(b), earlier section	Unburnt	MRF	24/01/2017	ACH	0,81	5,55	6	1,16	rounded	complete	cylinder	sphere	broken into a half and more	broken(more than half present)	No damage to layers/thickness of bead	Asymmetrical	1
DB2478	MST	K8	7	2	III(b), earlier section	Burnt	MRF	24/01/2017	OES	1,29	2,32	2	5,47	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2479	MST	K8	7	2	III(b), earlier section	Unburnt	MRF	24/01/2017	OES	1,18	5,17	5	2,03	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2480	MST	K8	7	2	III(b), earlier section	Unburnt	MRF	24/01/2017	OES	1,47	4,98	5	1,94	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB2481	MST	K8	7	2	III(b), earlier section	Unburnt	MRF	24/01/2017	OES	1,14	4,74	5	1,98	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2482	MST	K8	7	2	III(b), earlier section	Unburnt	MRF	24/01/2017	OES	0,94	9,65	10	1,72	rounded	complete	cylinder	sphere	broken into a half and more	broken(more than half present)	No damage to layers/thickness of bead	Asymmetrical	1
DB2483	MST	K8	7	2	III(b), earlier section	Unburnt	MRF	24/01/2017	ACH	0,53	4,03	4	1,28	rounded	complete	cylinder	sphere	broken into less than a half		Either of surfaces damaged	Asymmetrical	1
DB2484	MST	K8	7	2	III(b), earlier section	Unburnt	MRF	24/01/2017	OES	1,09	4,62	5	1,41	rounded	complete	cylinder	irregular	not broken in diameter		Either of surfaces damaged	Asymmetrical	1
DB2485	MST	K8	7	2	III(b), earlier section	Unburnt	MRF	24/01/2017	OES	1,25	4,48	4	1,21	rounded	complete	cylinder	sphere	broken into less than a half		No damage to layers/thickness of bead	Asymmetrical	1

DB24 86	MS T	K 8	7	2	III(b) , earli er secti on	Unbu rnt	MRF	24/01/ 2017	OE S	1	4,5 4	5	2, 12	round ed	compl ete	cylinder	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Edge almost symmetr ical	1
DB24 87	MS T	K 8	7	2	III(b) , earli er secti on	Unbu rnt	MRF	24/01/ 2017	OE S	1,0 4	4,2	4	1, 96	round ed	compl ete	cylinder	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Bead almost symmetr ical	1
DB24 88	MS T	K 8	7	2	III(b) , earli er secti on	Unbu rnt	MRF	24/01/ 2017	OE S	0,6 4	3,2 3	3	1, 32	round ed	compl ete	cylinder	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Bead almost symmetr ical	1
DB24 89	MS T	K 8	8	2	III(b) , earli er secti on	Unbu rnt	MRF	24/01/ 2017	OE S	1,0 8	6,6 4	7	2, 44	round ed	compl ete	cylinder	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Bead almost symmetr ical	1

DB2490	MST	K8	8	2	III(b), earlier section	Unburnt	MRF	24/01/2017	OES	1,24	6,59	7	2,38	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB2491	MST	K8	8	2	III(b), earlier section	Unburnt	MRF	24/01/2017	OES	1,71	5,68	6	1,8	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2492	MST	K8	8	2	III(b), earlier section	Unburnt	MRF	24/01/2017	OES	1,3	5,31	5	2,3	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2493	MST	K8	8	2	III(b), earlier section	Unburnt	MRF	24/01/2017	OES	1,28	5,24	5	1,76	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB2494	MST	K8	8	2	III(b), earlier section	Unburnt	MRF	24/01/2017	OES	1,27	4,65	5	1,82	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB2495	MST	K8	8	2	III(b), earlier section	Unburnt	MRF	24/01/2017	OES	0,99	4,36	4	2,35	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB2496	MST	K8	8	2	III(b), earlier section	Unburnt	MRF	24/01/2017	OES	1,66	10,3	10	3,01	rounded	complete	cylinder	sphere	broken into a half and more	broken(more than half present)	No damage to layers/thickness of bead	Asymmetrical	1
DB2497	MST	K8	10	2	III(a), later section	Unburnt	MRF	24/01/2017	OES	1,41	8,78	9	2,36	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	one surface symmetrical	1

DB2498	MST	K8	10	2	III(a), later section	Unburnt	MRF	24/01/2107	OES	1,41	7,38	7	2,7	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2499	MST	K8	10	2	III(a), later section	Unburnt	MRF	24/01/2017	OES	1,19	7,24	7	2,6	rounded	complete	cylinder	sphere	broken into a half and more	broken(more than half present)	No damage to layers/thickness of bead	Bead almost symmetrical	1
DB2500	MST	K8	10	2	III(a), later section	Unburnt	MRF	24/01/2017	OES	1,38	6,7	7	2,06	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2501	MST	K8	10	2	III(a), later section	Unburnt	MRF	24/01/2017	OES	1,11	6,43	6	2,75	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Edge almost symmetrical	1

DB2502	MST	K8	10	2	III(a), later section	Unburnt	MRF	24/01/2017	OES	1,84	6,47	6	2,02	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2503	MST	K8	10	2	III(a), later section	Unburnt	MRF	24/01/2017	OES	1,04	5,97	6	2,61	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2504	MST	K8	10	2	III(a), later section	Unburnt	MRF	24/01/2017	OES	1,55	5,59	6	1,75	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB2505	MST	K8	10	2	III(a), later section	Unburnt	MRF	24/01/2017	OES	1,58	5,14	5	1,87	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB2506	MST	K8	10	2	III(a), later section	Unburnt	MRF	24/01/2017	OES	1,11	5,32	5	1,84	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Bead almost symmetrical	1
DB2507	MST	K8	10	2	III(a), later section	Unburnt	MRF	24/01/2017	OES	0,63	3,69	4	0,85	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2508	MST	K8	11	2	III(a), later section	Unburnt	MRF	24/01/2017	OES	1,67	12,79	13	2,36	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Asymmetrical	1
DB2509	MST	K8	11	2	III(a), later section	Unburnt	MRF	24/01/2017	OES	1,69	11,85	12	1,91	rounded	complete	cylinder	almost spherical, but irregular	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB2510	MST	K8	11	2	III(a), later section	Unburnt	MRF	24/01/2017	OES	1,49	8,03	8	2,73	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2511	MST	K8	11	2	III(a), later section	Unburnt	MRF	24/01/2017	OES	1,5	7,9	8	2,78	rounded	complete	cylinder	sphere	broken into a half and more	brokenin half	No damage to layers/thickness of bead	Bead almost symmetrical	1
DB2512	MST	K8	11	2	III(a), later section	Unburnt	MRF	24/01/2017	OES	1,65	5,88	6	1,7	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2513	MST	K8	11	2	III(a), later section	Unburnt	MRF	24/01/2017	OES	0,95	5,29	5	2,45	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1

DB2514	MST	K8	12	2	III(a), earlier section	Unburnt	MRF	24/01/2017	OES	1,26	3,62	4	1,42	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB2515	MST	K8	12 (g)	2	III(a), earlier section	Burnt	MRF	24/01/2017	OES	1,19	9,65	10	2,15	rounded	complete	cylinder	sphere	broken into a half and more	broken(more than half present)	Inner damaged	Asymmetrical	1
DB2516	MST	K8	12 (g)	2	III(a), earlier section	Burnt	MRF	24/01/2017	OES	1,32	8,9	9	1,52	rounded	complete	cylinder	sphere	not broken in diameter		Inner damaged	Asymmetrical	1
DB2517	MST	K8	12 (g)	2	III(a), earlier section	Unburnt	MRF	24/01/2017	OES	1,46	7,35	7	2,56	rounded	complete	cylinder	sphere	broken into a half and more	broken(more than half present)	No damage to layers/thickness of bead	Asymmetrical	1
DB2518	MST	K8	12 (g)	2	III(a), earlier section	Unburnt	MRF	24/01/2014	OES	1,22	5,55	6	2,18	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

DB25 19	MS T	K 8	14	2	III(a) , later secti on	Unbu rnt	MRF	24/01/ 2017	OE S	1,1 6	5,3 9	5	2, 34	round ed	compl ete	cylinder	sphere	broken into a half and more	brokeni n half	No damage to layers/thic kness of bead	Asymme trical	1
DB25 20	MS T	K 8	15	2	III(a) , earli er secti on	Unbu rnt	MRF	25/01/ 2017	OE S	1,2 3	6,1 8	6	2, 53	round ed	compl ete	cylinder	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Bead almost symmetr ical	1
DB25 21	MS T	K 8	15	2	III(a) , earli er secti on	Unbu rnt	MRF	25/01/ 2017	OE S	1,4 4	6,2	6	2, 44	round ed	compl ete	cylinder	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Bead almost symmetr ical	1
DB25 22	MS T	K 8	15	2	III(a) , earli er secti on	Unbu rnt	MRF	25/01/ 2017	OE S	1,6 5	5,9 4	6	1, 6	round ed	compl ete	cylinder	sphere	not broken in diamet er		No damage to layers/thic kness of bead	Asymme trical	1

DB2523	MST	K8	15	2	III(a), earlier section	Unburnt	MRF	25/01/2017	OES	1,82	5,75	6	1,75	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB2524	MST	K8	17	2	II	Unburnt	MRF	25/01/2017	OES	1,95	8,22	8	2,04	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2525	MST	K8	17	2	II	Unburnt	MRF	25/01/2017	OES	1,72	6,3	6	1,85	rounded	complete	cylinder	very close to triangular (triangular with rounded corners)	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2526	MST	K8	17	2	II	Unburnt	MRF	25/01/2017	ACH	1,16	6,17	6	1,78	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Bead almost symmetrical	1
DB2527	MST	K8	17	2	II	Unburnt	MRF	25/01/2017	ACH	0,63	4,15	4	1,03	rounded	complete	cylinder	sphere	broken into a half and more	broken(more than half present)	Either of surfaces damaged	Asymmetrical	1

DB2528	MST	K8	17	2	II	Unburnt	MRF	25/01/2017	ACH	0,51	3,38	3	1,13	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1
DB2529	MST	K8	17	2	II	Unburnt	MRF	25/01/2017	ACH	0,29	2,89	3	1,09	rounded	complete	cylinder	sphere	not broken in diameter		No damage to layers/thickness of bead	Asymmetrical	1

NET: Map 4

Excavation	Division	Layer	Raw material	Shape	Number complete	Number fragments	Number	Remarks
TS1	A11	5	OES	Round	1		1	
TS1	A4	3	OES	Round	1		1	
TS1	A7	5	ACH	Round	8	3	11	
TS1	A7	5	OES	Round	2		2	
TS1	A7	4	ACH	Round	5		5	
TS1	A7	4	OES	Round	12		12	
TS1	A7	4	OES	Sub-rounded	1		1	

TS1	A7	3	OES	Round	6		6	2 burnt brown
TS1	A7	3	ACH	Round		1	1	
TS1	A7	3	OES	Angular	1		1	burnt white
TS1	A4	1	OES	Round	2		2	
TS1	A4	2	OES	Round		2	2	separate (don't form a whole bead)
TS1	A4	4	OES	Round	1	1	2	separate (don't form a whole bead)
TS1	A4	5	OES	Round	1	3	4	separate (don't form a whole bead)
TS1	A7	2	OES	Round	1	2	3	separate (don't form a whole bead)
TS1	surface	surface	OES	Round	2	2	4	separate (don't form a

								whole bead)
TS1	A7	1	OES	Round	5	3	8	

Appendix B.3: Metals analysed by author

MST

Type of artefact (specific) or object on	Broad category	Site	Block	Layers	Simple layer or spit	Phases	New Artefact number	Date Analysed	Storage Area	Sketch (larger)	Metal (general type)	Magnetic (Y/N)	Colour of corrosion 1	Colour of corrosion 2	Extent of corrosion (number only)	Total Weight (g) per artefact
Bent tube?	uncertain	MST	C2	R:z/-6"	2	Phase IV	MA0006	08/07/2017	MRF	N	Copper	N			3	4,7124
Helix	non-utilitarian	MST	C2	R:z/-6"	2	Phase IV	MA0007	08/07/2017	MRF	N	Iron	Y	orange-brown		4	3,451
Helix	non-utilitarian	MST	C2	R:z/-6"	2	Phase IV	MA0008	09/03/2017	MRF	N	Copper	N	green	purple	3	1,4777
	uncertain	MST	C2	R: z/-6"	2	Phase IV	MA0009	08/09/2017	MRF	Y	Iron	N	red-brown		4	0,0715
Helix	non-utilitarian	MST	C2	R:-6"/-12"	3	Phase III(b), later	MA0010	09/09/2017	MRF	N	Iron	Y	red-brown		4	0,851
Nail	utilitarian	MST	C2	L: -6"/-12"	3	Phase III(b), later	MA0011	11/04/2018	MRF	Y	Iron	Y	Red-brown		3	2,4182
Arrow head	utilitarian	MST	C2	L: -6"/-12"	3	Phase III(b), later	MA0012	11/04/2018	MRF	Y	Iron	Y	Red-brown		4	0,4467
Helix	non-utilitarian	MST	C2	L: -6"/-12"	3	Phase III(b), later	MA0013	2/03/2018	MRF	N	Iron	Y	Red-brown		4	1,0752
Helix	non-utilitarian	MST	C2	L:-6"/-12"	3	Phase III(b), later	MA0014	23/03/2018	MRF	N	Copper	N	Blue-green		4	0,9128
Helix	non-utilitarian	MST	C2	M:-12"/-18"	4	Phase III(b), later	MA0016	09/09/2017	MRF	N	Iron	Y	red-brown		4	1,8263
Helix	non-utilitarian	MST	C2	M: -12"/-18"	4	Phase III(b), later	MA0017	09/09/2017	MRF	N	Copper	N	green	blue-green	2	2,6379

Type of artefact (specific) or object on	Broad category	Site	Block	Layers	Simple layer or spit	Phases	New Artefact number	Date Analysed	Storage Area	Sketch (larger)	Metal (general type)	Magnetic (Y/N)	Colour of corrosion 1	Colour of corrosion 2	Extent of corrosion (number only)	Total Weight (g) per artefact
Helix	non-utilitarian	MST	C2	R:-12"/-18"	4	Phase III(b), later	MA0018	11/09/2017	MRF	N	Iron	Y	Red/orange brown	across artefact	3	2,2704
Helix	non-utilitarian	MST	C2	R:-12"/-18"	4	Phase III(b), later	MA0019	7/03/2018	MRF	N	Copper	N	Blue-green; dark	across artefact	2	1,5355
Rod and spatula	utilitarian	MST	K8	1(ii)	1	Phase IV	MA0020	08/03/2018	MRF	Y	Iron	Y	Red-brown			3,8235
Slag	manufacturing	MST	H9	1	1	Phase Ivx	MA0021	8/03/2018	MRF	N	slag	?	dark, metallic grey			0,6012
Slag	manufacturing	MST	H9	1	1	Phase Ivx	MA0022	8/03/2018	MRF	N	slag	?	almost black on smooth surface			0,5898
Slag	manufacturing	MST	H9	1	1	Phase Ivx	MA0023	8/03/2018	MRF	N	slag	?	dark grey and reddish brown (very visibly reddish brown)			0,4468
Helix	non-utilitarian	MST	H9	1	1	Phase Ivx	MA0024	08/03/2018	MRF	N	Iron	Y	Red-brown	Black	4	0,2136
Helix	non-utilitarian	MST	H9	2	2	Phase Ivx	MA0025	08/03/2018	MRF	N	Iron	Y	Red-brown		3	0,277
Helix	non-utilitarian	MST	H9	3	3	Phase Ivx	MA0026	08/03/2018	MRF	N	Iron	Y	Red-brown	Black	4	0,261
Helix	non-utilitarian	MST	H9	3	3	Phase Ivx	MA0027	08/03/2018	MRF	N	Iron	Y	Red-brown		4	0,1173
Helix	non-utilitarian	MST	H9	3	3	Phase Ivx	MA0028	08/03/2018	MRF	N	Iron	Y	Red-brown		4	0,3227

Type of artefact (specific) or object on	Broad category	Site	Block	Layers	Simple layer or spit	Phases	New Artefact number	Date Analysed	Storage Area	Sketch (larger)	Metal (general type)	Magnetic (Y/N)	Colour of corrosion 1	Colour of corrosion 2	Extent of corrosion (number only)	Total Weight (g) per artefact
Flat fragment	utilitarian	MST	H9	3	3	Phase Ivx	MA0029	08/03/2018	MRF	Y	Iron	Y	Red-brown		3	0,305
Helix	non-utilitarian	MST	I9	2	2	Phase IV x	MA0030	10/03/2018	MRF	N	Iron	Y	Red-brown		4	0,7933
Helix	non-utilitarian	MST	I9	2	2	Phase IV x	MA0031	10/03/2018	MRF	N	Copper	N	Black		2	0,0205
Helix	non-utilitarian	MST	I9	3	3	Phase IV	MA0032	10/03/2018	MRF	N	Copper	N	Black		1	0,0186
Helix	non-utilitarian	MST	I9	3	3	Phase IV	MA0033	10/03/2018	MRF	N	Iron	N	Red-brown		4	1,4952
Slag	manufacturing	MST	I9	3	3	Phase IV	MA0034	10/03/2018	MRF	N	slag	?	Dark grey (close to black)			2,4757
Helix	non-utilitarian	MST	I9	3(b)	3(b)	Phase IV	MA0035	08/03/2018	MRF	N	Copper	N	Black	Greenish	3	0,0462
Helix	non-utilitarian	MST	I9	3(b)	3(b)	Phase IV	MA0036	08/03/2018	MRF	N	Iron	Y	Red-brown		4	1,2946
Helix	non-utilitarian	MST	I9	6 Test trench	6	Phase IV?	MA0037	10/03/2018	MRF	N	Iron	Y	Red-brown		4	0,1832
Helix	non-utilitarian	MST	I9	6 Test trench	6	Phase IV?	MA0038	10/03/2018	MRF	N	Copper	N	Blue-green	Black	3	0,6029
Helix	non-utilitarian	MST	I9	6	6	Phase IV?	MA0039	10/03/2018	MRF	N	Iron	Y	Red brown	Brown	4	0,3423
Helix	non-utilitarian	MST	I9	6	6	Phase IV?	MA0040	10/03/2018	MRF	N	Iron	Y	Red brown		4	2,4178
Slag	manufacturing	MST	I10	2	2	Phase Ivx	MA0041	10/03/2018	MRF	N	slag	Y				37,0104

Type of artefact (specific) or object on	Broad category	Site	Block	Layers	Simple layer or spit	Phases	New Artefact number	Date Analysed	Storage Area	Sketch (larger)	Metal (general type)	Magnetic (Y/N)	Colour of corrosion 1	Colour of corrosion 2	Extent of corrosion (number only)	Total Weight (g) per artefact
Slag	manufacturin g	MST	I10	2	2	Phase Ivx	MA004 2	10/03/2018	MRF	N	slag	?				0,3157
Slag	manufacturin g	MST	I10	2	2	Phase Ivx	MA004 3	10/03/2018	MRF	N	slag	?				3,1828
Slag	manufacturin g	MST	I10	2	2	Phase Ivx	MA004 4	10/03/2018	MRF	N	slag	?				3,0682
Slag	manufacturin g	MST	I10	2	2	Phase Ivx	MA004 5	10/03/2018	MRF	N	slag	Y				4,3
Slag	manufacturin g	MST	I10	2	2	Phase Ivx	MA004 6	10/03/2018	MRF	N	slag	?				1,4368
Slag	manufacturin g	MST	I10	2	2	Phase Ivx	MA004 7	10/03/2018	MRF	N	slag	?				1,849
Slag	manufacturin g	MST	I10	2	2	Phase Ivx	MA004 8	10/03/2018	MRF	N	slag	?				0,5341
Slag	manufacturin g	MST	I10	2	2	Phase Ivx	MA004 9	10/03/2018	MRF	N	slag	?				1,4101
Slag	manufacturin g	MST	I10	2	2	Phase Ivx	MA005 0	10/03/2018	MRF	N	slag	N				0,8255
Slag	manufacturin g	MST	I10	2	2	Phase Ivx	MA005 1	10/03/2018	MRF	?	slag	?				0,0908
Slag	manufacturin g	MST	I10	2	2	Phase Ivx	MA005 2	12/03/2018	MRF	?	slag	?			4	0,0426
Helix	non-utilitarian	MST	I10	2	2	Phase Ivx	MA005 3	12/03/2018	MRF	N		Y	Red brown		4	7,5887
Rod or helix	uncertain	MST	I10	2	2	Phase Ivx	MA005 4	12/03/2018	MRF	Y	Iron	Y	Red brown		4	5,2797

Type of artefact (specific) or object on	Broad category	Site	Block	Layers	Simple layer or spit	Phases	New Artefact number	Date Analysed	Storage Area	Sketch (larger)	Metal (general type)	Magnetic (Y/N)	Colour of corrosion 1	Colour of corrosion 2	Extent of corrosion (number only)	Total Weight (g) per artefact
Unsure	utilitarian	MST	I10	2	2	Phase Ivx	MA0055	13/03/2018	UP Arts Museum	Y	Iron	Y	Red brown		4	1,4527
Unsure	utilitarian	MST	I10	2	2	Phase Ivx	MA0056	14/03/2018	UP Arts Museum	Y	Iron	Y	Red brown		4	0,2417
Helix	non-utilitarian	MST	I10	2	2	Phase Ivx	MA0057	12/03/2018	MRF	N	Iron	Y	Red brown		3	0,1096
Unsure	uncertain	MST	I10	2	2	Phase Ivx	MA0058	14/03/2018	MRF	Y	Copper	N	Blue green	Whitish	3	2,0583
Helix	non-utilitarian	MST	I10	2	2	Phase Ivx	MA0059	14/03/2018	MRF	N	Iron	N	Red brown		4	0,189
Helix	non-utilitarian	MST	I10	2(b)	2(b)	Phase Ivx	MA0060	10/03/2018	MRF	N	Copper	N	Black		2	0,0475
Helix	non-utilitarian	MST	I10	2(b)	2(b)	Phase Ivx	MA0061	10/03/2018	MRF	N	Iron	Y	Red brown	Brown	4	0,1069
Slag	manufacturing	MST	I10	2(B)	2(b)	Phase Ivx	MA0062	14/03/2018	MRF	N	slag	N	Dark grey			1,8756
Helix	non-utilitarian	MST	I11	2	2	Phase Ivx	MA0063	43173	MRF	Y	Copper	N	Black		2	0,0937
Bead	non-utilitarian	MST	I11	2	2	Phase Ivx	MA0064	43173	MRF	N	Iron	Y	Red-brown		3	0,627
Peg? Nail? Rod?	utilitarian	MST	I11	2	2	Phase Ivx	MA0065	14/03/2018	MRF	Y	Iron	Y	Red-brown			3,4566
Helix	non-utilitarian	MST	I11	3	3	Phase Ivx	MA0066	15/03/2018	MRF	N	Iron	Y	Red-brown		4	0,9498
Helix	non-utilitarian	MST	I11	3	3	Phase Ivx	MA0067	15/03/2018	MRF	N	Iron	Y	Red-brown		3	0,2462

Type of artefact (specific) or object on	Broad category	Site	Block	Layers	Simple layer or spit	Phases	New Artefact number	Date Analysed	Storage Area	Sketch (larger)	Metal (general type)	Magnetic (Y/N)	Colour of corrosion 1	Colour of corrosion 2	Extent of corrosion (number only)	Total Weight (g) per artefact
Slag	manufacturing	MST	I11	3	3	Phase Ivx	MA0068	15/03/2018	MRF	N	slag	N			1	7,945
Slag	manufacturing	MST	I11	3	3	Phase Ivx	MA0069	15/03/2018	MRF	N	slag	Y			1	2,35
Helix	non-utilitarian	MST	I11	3	3	Phase Ivx		15/03/2018	MRF	N	Copper	N	Black		2	0,1189

NET: Map 4

Site	Exc	Square	Layer	Object	Raw material	Weight
	TS1	A7	2	helix	Iron	0,256
	TS1	A7	4	helix	Copper	0,148