INVESTIGATING THE FUNCTIONS OF COPPER MATERIAL CULTURE FROM FOUR ONEOTA SITES IN THE LAKE KOSHKONONG LOCALITY OF WISCONSIN

by

Jacqueline Marie Pozza

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ABSTRACT

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This thesis explores Oneota use of native copper in the Lake Koshkonong locality between A.D. 1100 and 1400. Over 600 pieces of Oneota copper artifacts originating from four sites were documented and analyzed in order to investigate distribution, production, utilization, and the ideological and social significance behind this raw material. The artifacts analyzed for this study were recovered from Oneota sites adjacent to Lake Koshkonong in Jefferson County, Wisconsin: Crabapple Point (47JE93), Schmeling (47JE833), Koshkonong Creek Village (47JE379), and Crescent Bay Hunt Club (47JE904). These assemblages primarily included awls, beads, pendants, and fragmented material. The data set also includes unique items, such as adzes and a copper mace.

Data collected through this project supported multiple conclusions surrounding Lake Koshkonong Oneota copper use. Manufacturing marks on beads provide arguments for multiple manufacturing traditions in the area. The use-wear observed on awls both support and question previous assumptions of their use. Additionally, the distribution of these artifacts among the sites and the iconographic symbols present among the collections suggest larger ideological and social significance of copper within Oneota groups. It also appears that the Lake Koshkonong locality has a prolonged tradition of metalworking that extends from Archaic to Historic period, implying

a cultural association with metal production and the physical setting of these sites. Overall, these conclusions suggest that the Oneota viewed copper as a prestige good. These valued items both established and reaffirmed social order and legitimized the ideological, economic, military, and political power of certain individuals or kin groups living along the northwest shores of Lake Koshkonong at this time.

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CHAPTER 1: INTRODUCTION

Prehistoric copper artifacts from the Midwest United States have fascinated archaeologists for roughly 175 years, but the roles and definitive uses of these objects in the societies of ancient peoples have still not been fully realized. While much research has been conducted on these objects, numerous factors have hindered more rigorous examinations of copper material culture from the Midwest including rampant private collecting, especially by metal detectorists; small copper assemblages from professional excavations; delayed advances and applications of technological and chemical analyses due to a lack of funding and technological literacy; and dedication of research efforts to more prevalent material culture with established methodology, such as lithics and ceramics. The continuity of copper usage in prehistoric groups of the Midwest speaks to its significance in the economies, social interactions, and ideologies of these peoples. With such an extensive history of copper exploitation throughout prehistory and a dense accumulation of literature about the prehistoric presence of this material, expanding the understanding of Oneota copper usage specifically and its broader role in the social relations of these groups is a valuable contribution to this body of research.

The Project

The focus of this thesis is to identify the ways in which Oneota groups living in the Lake Koshkonong locality of Wisconsin from A.D. 1100 to 1400 utilized copper. Underlying this goal are four central questions:

1. What manufacturing techniques were used to create these copper artifacts? Can manufacturing traditions be ascertained among/between the sites?

2. What type of use-wear is present in each artifact category? Does this confirm or call into question the previous assumptions of their use?
3. Are the artifact types equally present at each site? What might this imply about the social relationships between these sites?
4. What types of ideological symbols are present among the pendants? What might these suggest about Oneota ideology and the ideological function of these items?

In order to answer these questions, an analysis of copper collections originating from four Oneota occupations situated in close proximity to one another on the northwest side of Lake Koshkonong was conducted. Data sets represent copper material culture from Crescent Bay Hunt Club site (47JE904, CBHC), the Koshkonong Creek Village site (47JE379, KCV), the Schmeling site (47JE833), and Crabapple Point (47JE93, CAP) (Figure 1). Copper from the first two sites were recovered during University of Wisconsin-Milwaukee field schools, whereas the latter two are part of the private collections of Mr. Kevin Schmeling and Mr. Jim Bussey, respectively. Overall, the 636 pieces of the study assemblages include copper awls, beads, tinkler cones, pendants, and fragments.

University of Wisconsin-Milwaukee (UWM) archaeologists have conducted systematic research at a series of sites at Lake Koshkonong for nearly two decades, and have produced numerous dissertations, theses, and articles on that research (e.g., Edwards 2010; Foley Winkler 2004, 2011; Hunter 2002a, 2002b; Jeske et al. 2002, 2003; Jeske and Winkler 2008; Moss 2010; Olsen 2003; Picard 2013; Winkler 2011; Winkler and Jeske 2009). However, this detailed literature lacks thorough investigations of the role of copper in Oneota society, ideology, and economy. This thesis aims to add another dimension to the knowledge of Oneota material culture of the Lake Koshkonong Phase by observing the form and function of copper artifacts of these

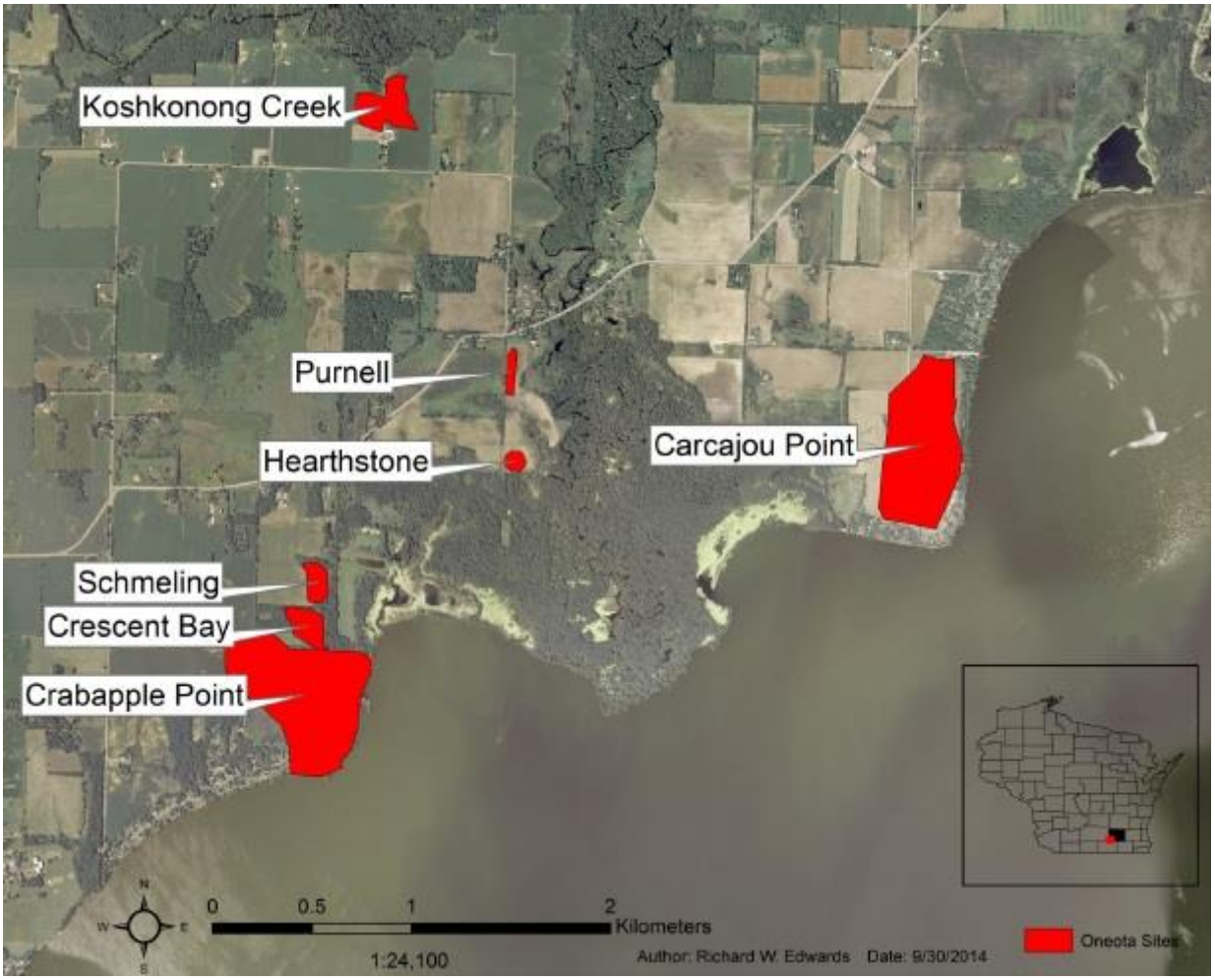


Figure 1. Oneota sites near Lake Koshkonong in Jefferson County, Wisconsin (Edwards 2014).

four sites, which will allow for a broader discussion of copper use among Oneota groups. Artifact morphology and indications of use and manufacture were thoroughly documented in order to gather a deeper understanding of the Oneota uses of this raw material. Data from these observations not only illuminate the multiple functions of these materials, but also indicate possible exchange networks and social relations occurring both within and between the sites and with other groups outside of the Lake Koshkonong area. By observing the form of these artifacts and their manufacturing and use-wear, this thesis aims to spark a broader discussion about the roles of copper in the economy, ideology, and social organization of Oneota groups.

Research Design and Expectations

To collect the data needed to answer the proposed questions of this project, artifacts were cataloged, described, and measured. A detailed description of the methods used to collect this information is provided in the Methods chapter of this thesis.

Some hypotheses were drawn from the preliminary observations of the copper collections. It was expected that multiple manufacturing techniques were employed to create the artifacts at these sites. Even though the collections all originate from Oneota contexts, the current lack of evidence for craft specialization in Oneota economies suggests that the various households and/or kin groups producing these goods may have had individual manufacturing traditions, especially across multiple sites (Benn 1989; O'Gorman 1996). By observing the form and manufacturing wear on these artifacts, it was expected that manufacturing traditions implemented by Oneota groups would be possible to discern.

In addition to physical evidence of manufacture, observations of use-wear aided understanding of the technical functions of these artifacts. Use-wear studies of metallic artifacts are less common than those of stone and bone tools. This lack is due to "fears that the recycling, manipulation, re-sharpening and corrosion of metal would seriously limit the potential of such studies" (Roberts and Ottaway 2003:119-120; see also Dolfini 2011; Dolfini and Crellin 2016; Penman 1977; Sievert Hohol 1984a, 1984b). However, over two decades of use-wear analyses on bronze and copper objects have shown that macroscopic use-wear observations have research potential and should be documented (Dolfini 2011; Dolfini and Crellin 2016; Kienlin and Ottaway 1998; Moyler 2007; Sievert Hohol 1984a, 1984b). It was expected that the use-wear observed on these objects would support or question the technical uses previously ascribed to various artifact types.

The distribution of the artifacts among and within the sites were also expected to provide insight as to how these objects were traded and their social functions. The variation in recovery methods and duration of investigations between the sites skew the data required to reliably compare artifact densities between the sites. While Mr. Bussey's collection composes the overwhelming majority of specimens in this study, he has been collecting copper artifacts from CAP using a metal detector for over half a century. Conversely, only a few scientific excavations have been completed at KCV and Schmeling. CBHC has had more extensive testing and archaeological excavation, which allows for somewhat reliable comparisons with the Bussey collection; however, nearly 90% of the site is remains to be investigated. Although the owners of CBHC and Schmeling sites do not allow metal detector use on their property for copper collecting, other metal detector users may have surreptitiously worked over these sites (Kevin Schmeling, personal communication). Mr. Bussey's collection is very well known in the detector community, and it is highly likely that others may have surveyed the sites over the years. Keeping these potential problems in mind, it was still possible to observe the difference in artifact densities among the four sites. It appears that each site has a variety of artifact types present. Even with collecting techniques considered, the abundance of copper from Bussey's collection indicates that this area was a hub for copper production, trade, and use.

Lastly, the number of symbols represented by the pendants in the collections and the presence of a copper mace indicates the ideological significance of native copper. While it may be difficult to confidently interpret these symbols, archaeologists have proposed a number of hypotheses (Benn 1989; Berres 2001; Ehrhardt 2009; Hall 1962; Lillie and Schermer 2015; Trevelyan 2004). This project does not aim to determine the precise meanings behind the

symbols present among the Koshkonong collections, but attempts to understand their possible social roles and ideological significance.

Significance and Contributions

A comprehensive investigation of copper artifact functions adds to the body of research on the Lake Koshkonong Oneota and copper studies in general. In past analyses of copper artifacts, it is often the case that some artifacts were placed in functional categories without testing the probability of these proposed functions. For example, Wittry's (1950) typology is often referenced in copper studies (e.g. Martin 1999; Parkinson 2003). However, Wittry assumed that form implied function and assigned artifacts to types such as drill, celt, and knife without demonstrating this function beyond the object's form. Currently, artifacts that have been classified as awls, for example, are commonly dubbed as such without unequivocal empirical evidence to support this functional categorization. Also problematic is that these categories often restrict artifacts to one technical function and ignores other equally significant uses. Though the majority of archaeologists agree that all copper objects had technical, social, and ideological functions (see Binford 1962); analyses of copper artifacts, especially in site reports, often do not include discussions of their social and ideological uses (e.g. Cleland 1971; Kelly 1991; Overstreet 1981; Parkinson 2003; Penman 1977; Wittry 1950). By observing the instances of use-wear on objects in the collection, it is possible to obtain more empirical data on the actual function of these objects.

Evaluating the methods chosen for this research will also be a beneficial contribution. Though it has been sporadically implemented in analyses of European prehistoric artifacts, use-wear analysis of North American copper artifacts is an underutilized method. While a full-scale

use-wear analysis study is beyond the scope of this project, understanding the research potential of documenting signs of manufacture and use will be a valuable contribution to the field and provide comparative data for future studies.

By including archaeological artifacts with limited provenience information, this project also aims to illustrate to the archaeological community that collections with approximate provenience and/or provenance can still be utilized in archaeological research. The restricted access of the private collections in this study increases the value of their thorough documentation as well. Data collected through this research along with its analysis will be made accessible in open access outlets so that the public and other researchers can freely access it for additional research and other educational purposes.

Thesis Organization

Following this introductory chapter, this thesis has five chapters. Chapter 2 consists of a literature review in which relevant research on the Oneota, the Lake Koshkonong sites, and prehistoric copper artifacts of the Midwestern United States are discussed. A detailed explanation of this project's methods is delineated in Chapter 3. The results of data collection are reviewed in Chapter 4, and conclusions are drawn from this data in Chapter 5 where answers to the four research questions are addressed. Finally, Chapter 6 discusses the overall goal of this research project and identifies how Lake Koshkonong Oneota groups used copper when they resided among the four sites in this study. Additionally, the appendices of this thesis include the documentation form template and recording schema used in this study. The recovered information and photographs for each copper object are also included in the appendices. This information is organized by artifact type then by catalog number.

CHAPTER 2: BACKGROUND

Cultural Background and Landscape

The Oneota

Originally named by Keyes (1927) and later emphasized by McKern (1945) in his categorization of Midwest archaeological material, the archaeological term Oneota does not refer to a singular ethnographic group. Rather, it is a classification ascribed to a specific type of material culture, especially assemblages including globular, shell-tempered ceramics and triangular bifaces (Edwards 2010; McKern 1945; O'Gorman 1996; Overstreet 1997). This term has also been mistakenly used to describe the people occupying the archaeological sites that yield this signature material culture and technology at congruent spatial and temporal parameters; a practice that scholars have addressed and now actively avoid (Benn 1995; Edwards 2010; Jeske and Hunter 2001; O'Gorman 1996; Overstreet 1997; Staeck 1995). While Oneota can only technically be used to describe the material culture fitting this style, it is important to recognize that individuals created and used these artifacts: the artifacts themselves do not have agency (Benn 1995). Similarly, Wobst (1977) warns that archaeologists and ethnographers have had the tendency to equate an individual's behaviors or products of behaviors (artifacts) into a standard for an entire ethnicity, which is often then bound by geographic regions without considering broader social interactions. Oneota researchers have combated this tendency by recognizing regional variation, considering gender and agency, and investigating numerous levels of social interaction (e.g. Benn 1995; Foley Winkler 2011; Gibbon 1995; Jeske 1998; Schneider 2015). The identity of the individuals responsible for Oneota material remains and the utility of this classification is still debated in the academic community, and is exacerbated by the fact that "[t]he formal content of this manifestation exhibits considerable consistency across

broad space and time but also possesses an uncomfortable variability, at least on its temporal and spatial peripheries, that blurs precise taxonomic definition" (Hollinger and Benn 1998:1). Additional research has revealed that Hollinger and Benn's (1998) observation on variability was an understatement, and that the geographic and chronological variation in Oneota material culture makes it clear that this was not a homogenous ethnic or cultural group.

As visible in the archaeological record, Oneota groups inhabited much of the Midwest, including portions of Wisconsin, Minnesota, Iowa, Illinois, Indiana, Michigan, Missouri, and extending into South Dakota, Nebraska, and Kansas (Benn 1989; Jeske and Hunter 2001; Overstreet 1997). Radiocarbon dates of material excavated from Oneota sites have revealed that these groups occupied the region from around A.D. 1000 to 1600, although some calibrated dates have extended beyond the limits of this span (Boszhardt et al. 1995; Jeske and Hunter 2001; Overstreet 1997; Richards et al. 1998; Schneider et al. 2012). The chronology for Eastern Wisconsin is much more limited, with radiocarbon data indicating a range of A.D. 1050 to 1400 (Schneider 2015).

Oneota is lumped together with other contemporaneous groups; such as the Langford, Fisher, and Fort Ancient traditions; under the umbrella term *Upper Mississippian.* Groups deemed Upper Mississippian characteristically lived around the upper Mississippi River Valley area and produced globular, shell-tempered ceramics and small, triangular projectile points (Griffin 1946; McKern 1945). This broad classification acknowledges the cultural variation between these groups, but also denotes their similarities and possible interactions (Edwards 2010; Wilson 2016). The utility of this term also allows for differentiation between Upper Mississippian groups and those deemed *Middle Mississippian*, which includes groups residing further south in the Mississippi River Valley whose societies had more defined social

stratification, as seen at the monumental Middle Mississippian site of Cahokia (Edwards 2010). Berres (2001:6) differentiates Oneota groups from Mississippi societies "by their successful adaptation to the biogeographical region exhibiting a mosaic of grassland, forest, and aquatic/wetland resources."

Regional Traditions

Since the Oneota cultural designation appears across an expansive region, archaeologists have recognized smaller, regional variants that have unique histories and material culture. In Wisconsin alone, archaeologists have generally accepted the following regional localities: La Crosse, Red Wing, and Sheffield, which are at the western edge of the state along the Mississippi River; Grand River, centered in present-day Marquette and Green Lake Counties; Middle Fox River Passageway west of Lake Winnebago; Waupaca, which stretches across both Waupaca and Portage Counties; Wolf River presiding in Langlade, Oconto, Menominee, and Shawano Counties; and, the focus of this thesis project, Lake Koshkonong, which is on the northwest shore of the lake for which it is named (Hall 1962; Hollinger and Benn 1998; Jeske et al. 2016; Overstreet 1997; Schneider 2015; Wilson 2016). These localities appear to be autonomous regional groups who occasionally interacted with one another and shared some cultural and technological aspects while maintaining unique individual identities (Jeske et al. 2016; Schneider 2015).

Oneota Origins

The nature of the origin of Oneota and the date of its occurrence have both been contested in the archaeological community. While Overstreet (1995) argued for an early tenth

century date, Theler and Boszhardt (2006) asserted that the emergence of Oneota material culture occurred around A.D. 1150 after Late Woodland groups adapted to resource shortages and increasingly interacted with Middle Mississippians. However, improved dating methods and newly recovered radiocarbon dates from Oneota and Langford sites in eastern Wisconsin and northern Illinois point to an eleventh-century emergence, which is prior to significant Middle Mississippian encounters (cf. Jeske 2000; Overstreet 1997). Although Theler and Boszhardt (2006) take issue with Overtreet's (1997) earliest dates, three recently excavated Oneota sites at Lake Koshkonong – CBHC, KCV, and Carcajou Point – yield well-provenienced dates with two sigma values that extend from A.D. 1000 to 1100 (Jeske 2002; Jeske et al. 2016; Richards et al. 1998).

Adding to early confusion, Overstreet (1997:260) suggested that there was a lack of Oneota occupations in eastern Wisconsin from A.D. 1050 to 1150, which he attributed to the "presence of Middle Mississippian-supported Late Woodland populations" and possible issues with radiocarbon dates around this time (see also Goldstein 1991; Richards 1992). However, additional radiocarbon dates recently recovered from the Lake Koshkonong area have shed light on this issue. These dates show that Oneota groups occupied Lake Koshkonong during the proposed "Aztalan Gap" (Jeske et al. 2003:93; Jeske et al. 2016; Richards and Jeske 2002:43-46) (Figure 2). The nature of the relationship of Middle Mississippian occupants of Aztalan with Oneota groups of Wisconsin is unclear at this time and beyond the scope of this thesis to address.

Numerous archaeologists have also debated the manner in which the Oneota emerged. Griffin (1960) first postulated that Oneota culture emerged when a migration of groups from Cahokia moved north, however the advent of radiocarbon dating left this theory in disfavor (Edwards 2010; Overstreet 1997). At present, the exact geographic origins of the culture are

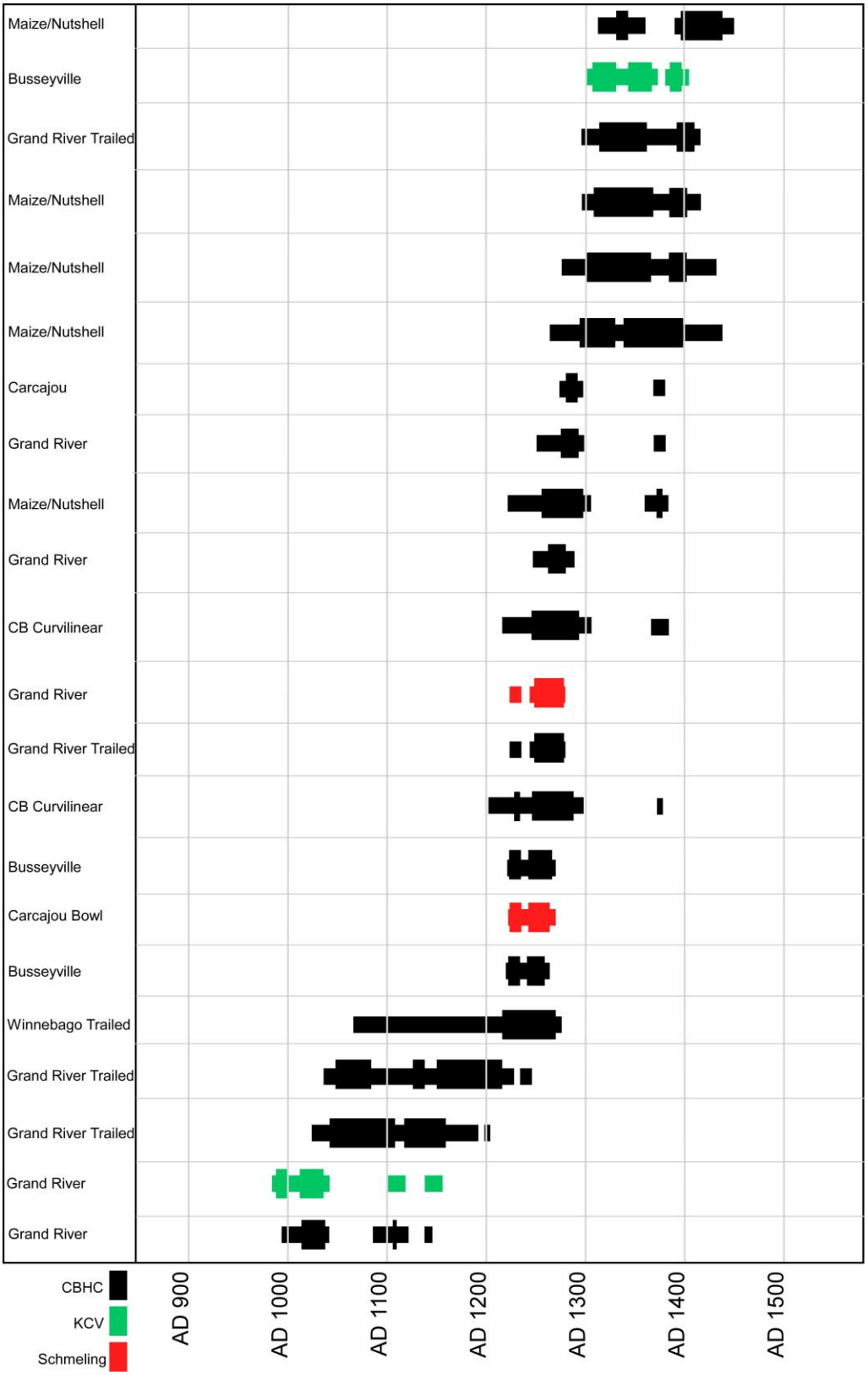


Figure 2. Radiocarbon dates from Lake Koshkonong Oneota sites (Jeske et al. 2016).

unknown and two major theories of how those bearing this material culture emerged in Wisconsin are prominent in the literature (Benn 1995; Edwards 2010; Hall 1962; O'Gorman 1996; Overstreet 1995; Theler and Boszhardt 2006). One theory argues that the Oneota developed *in situ* from the Late Woodland groups as a result of environmental factors, interactions with Mississippian groups, or a shift in subsistence strategies (Benn 1995; Edwards 2010; Gibbon 1982; Hall 1962; Jeske 1992; O'Gorman 1996; Schneider 2015; Stoltman 1986; Theler and Boszhardt 2006; Wilson 2016). A second theory asserts that the Oneota migrated north from northeastern Illinois and displaced Late Woodland groups in Wisconsin and other parts of the upper Midwest (McKern 1942; Overstreet 1995). However, an amalgamation of these theories is probably the most realistic explanation for the appearance of Oneota material culture in prehistoric Wisconsin (Edwards 2010; Overstreet 1997; Wilson 2016).

Oneota Culture History

Previously, Oneota archaeologists have utilized a quadripartite horizon sequence for the sites and material culture of these groups that included Emergent (A.D. 950-1150), Developmental (A.D. 1150-1350), Classic (A.D. 1350-1650), and Historic (after A.D. 1650) Horizon (Hall 1962; Overstreet 1997). Recent research indicates that variation in the criteria and dates for these horizon divisions is significant enough that the horizon concept in Wisconsin is no longer tenable (Edwards, 2010; Jeske and Sterner Miller 2015; Schneider 2015). This contemporary research identifies a shift in Oneota lifeways that occurs at approximately A.D. 1400, which results in diverse material culture and subsistence strategies between the Early Oneota (A.D. 1100 to 1400) and Late Oneota (A.D. 1400 to 1650) (Jeske et al. 2016; Schneider 2015).

The most significant variation in material culture between Early and Late Oneota groups is the variation in ceramic decoration. Early Oneota assemblages include mostly undecorated, shell-tempered ceramics (Edwards 2010; Overstreet 1997; Schneider 2015). Decorations that appear on a small number of vessels include lip modifications, as well as curvilinear or rectangular trailed designs (Edwards 2010; Overstreet 1997; Schneider 2015). Pinch pots are also common among these early assemblages (Overstreet 1997). After A.D. 1400, Oneota ceramic decorations become more elaborate. Undecorated ceramics are rare, and trailed or incised designs frequently appear on the shoulders of vessels, often accompanied by punctates (Overstreet 1997; Schneider 2015).

The Oneota lithic tool kit includes small, triangular projectile points, end scrapers, and knives (Edwards 2010; Overstreet 1997). Hall (1962) argued for a shift in the ratio of triangular projectile points to end scrapers across time, with a higher proportion of projectile points in earlier assemblages (Edwards 2010; Overstreet 1997; Schneider 2015). While this theory may hold true with tools specifically classified as end scrapers, Sterner (2012) has argued through use-wear analysis that edge-utilized lithic pieces were used in a scraping function. This new information distorts the ratio of projectile points to scrapers, and could indicate more consistent tool kit functions across time. In addition to chipped stone, catlinite pipes also appear in Oneota assemblages around A.D. 1350 (Schneider 2015).

While numerous Oneota sites across the Midwest yield scapula hoes, this tool type has not been recovered from the Lake Koshkonong sites (Jeske et al. 2016). Instead, digging sticks have been found; a tool common to Langford groups who worked upland soils that were relatively dry, which suggests the Lake Koshkonong Locality had similar soil drainage (Edwards 2010; Jeske 1989; Jeske et al. 2016). Bone awls are common throughout Early and Late Oneota

periods, and other faunal tools and ornaments, become more frequent throughout time (Jeske et al. 2016; Overstreet 1997; Schneider 2015).

Architecture among Oneota sites includes a variety of house styles and some defensive structures. Wigwams have been found among Early Oneota occupations at Carcajou Point, and small rectangular semi-subterranean houses have been found both at Carcajou Point and Old Spring (Hall 1962; Hollinger 1995; Overstreet 1997). Some fortifications, such as palisades, have also been found at Early and Late Oneota sites (Overstreet 1997). Late Oneota sites that extend into historic times include large, multi-family longhouses (Edwards 2010; O'Gorman 1996; Overstreet 1997). In some regions, this shift in domestic structures has been related to a shift from matrilocal to patrilocal practices (Hollinger 1995; O'Gorman 1996). However, the Lake Koshkonong sites have both wigwams and longhouses that appear to be contemporaneous, dating to approximately A.D. 1200 to 1400 (Schneider 2015).

Distinct shifts in material culture around A.D. 1400 point to significant changes in social climate and subsistence strategies around this time. Identifying the causes of this transition requires additional research, though some have attributed these changes to increased population density (Gibbon 1986; Jeske 1992; Overstreet 1997).

Historical Ties

Similar to the origins of Oneota groups, their historical connections are also greatly debated by the archaeological community. Both archaeologists and living tribal members are invested in understanding the transitional period between prehistory and history. Efforts have been made to demonstrate Oneota connections to various historic tribes, such as the Ioway, Oto, Ho-Chunk, Winnebago, Missouri, Osage, and Kansa, but the issue of unknown prehistoric

migrations muddles our understanding of what exactly happened to the Oneota in the seventeenth century (Benn 1995; Birmingham 2014; Hall 1962, 1995; Hollinger 1995). It is currently unknown if the Oneota migrated out of the Midwest toward the Plains, were ravaged by diseases introduced to indigenous groups by European explorers and traders, intermarried and became culturally blended with other groups, are direct antecedents to historic tribes, or a mixture of these possibilities (Benn 1995; Edwards 2010; Hall 1995; Hollinger 1995; O'Gorman 1996; Overstreet 1997).

Unfortunately, neither the archaeological record nor historical documents provide any definitive answers. Few Oneota sites have yielded historic materials, and those in which European trade goods have been found provide inconclusive evidence (Birmingham 2011; Edwards 2010; Overstreet 1997). Overstreet's (1993, 1997) Dandy Phase of three Oneota sites may provide some answers, but Mason (1993) argues that Overstreet's (1993) evidence does not demonstrate a clear connection between Oneota and Historic groups. Currently, there is not enough data to strongly support these ties.

Historical documents indicate that some Native groups "did not desire to commerce with the French" (Blair 1911-1912:293), which could also explain the lack of European trade goods in Oneota contexts (Overstreet 1997). Uncertainties about the specific geographic location of Jean Nicolet's travels, one of the earliest European explorations in the region, and the identity of the indigenous people he met upon landing also complicate firm connections between Oneota and historic groups (Edwards 2010; Hall 1995; Richards 1993). Though there are some cultural and stylistic similarities between the Oneota and later historical groups, demonstrating solid ties between them will require additional research.

Site Settings and Subsistence

Throughout the Midwest, Oneota groups exploited a range of foodstuffs. This resourcefulness was probably one factor in the longevity of their site occupations. Deer and fish were the most important protein sources and were accompanied by corn, beans, and squash, as well as freshwater mussels and wild rice (Edwards 2010; Hall 1962; Jeske et al. 2016; O'Gorman 1996; Overstreet 1997; Wilson 2016). The typical geographic location for Oneota settlements reflects this lifestyle since sites are commonly located by wetlands with adjacent areas for foraging and agriculture (Edwards 2010; Foley Winkler 2011; O'Gorman 1996; Rodell 1983; Wilson 2016). The presence of ridged fields, larger storage pits, and numerous bison scapula hoes at western Oneota sites point to the importance of agriculture in their subsistence strategy (Theler and Boszhardt 2006).

Sites vary in composition and length of occupation. While more permanent settlements could be described as "small hamlets" (Foley Winkler 2011:206) or larger "village farming communities" (Overstreet 1997:251), more temporary sites have been deemed "extractive sites" (O'Gorman 1996:54). Oneota sites are usually clustered with an expanse of land between each grouping, and are focused near a water source, arable land, and a wetland or marsh (Edwards 2010; Richards and Jeske 2002; Schneider 2015; Wilson 2016).

Social Climate

Throughout their history, Oneota and other Upper Mississippian groups achieved increased surpluses of foodstuffs through more efficient subsistence strategies and intensified agriculture, which acted as a catalyst for a rise in population density, competition for resources, social inequality, and violence between cultural groups (Benn 1989, 1995; Brown 1982;

O'Gorman 1996; Strezewski 2006; Theler and Boszhardt 2006). This hostile social environment pressured groups to tribalize, or conglomerate into culturally-defined groups as a protective strategy (Benn 1989; Emerson 1999; Jeske 1998). Group identities of tribes were developed and maintained through art and ritual (Benn 1989). For the Oneota, this identity was defined with a unique artistic style and ritualized bundles (Benn 1989; Berres 2001; Schneider 2015). Some scholars (e.g. Benn 1989) have suggested that this environment would have allowed for social differentiation to emerge. Because of this developing social inequality, influential community members may have had the opportunity to control cultural and ritual symbols by publicly wearing or using them in an attempt to increase their coercive ability over other tribal members (Benn 1989). Additionally, it appears that Oneota and Langford groups were territorial (Emerson 1999; Foley Winkler 2011; Jeske 1989, 1990, 2000, 2003). This territoriality may point to the importance of landscape and place in the group identity of Oneota and Langford groups (c.f. Berres 2001; Foley Winkler 2011; Jeske 2003).

Archaeological and ethnographic data suggest that the Oneota were probably organized within clans and included some social differentiation (Benn 1989; Schneider 2015). Building on Radin's (1970 [1923]) ethnographic research among Ho-Chunk groups, archaeologists such as Schneider (2015) have suggested that these clan groups probably had animal totems related to either the upper or lower worlds, and that these totems were accompanied with specific clan social roles and responsibilities. Based on mortuary evidence, eastern Wisconsin Oneota groups were egalitarian with some opportunities for achieved status of individuals or families (Foley Winkler 2011).

Previous research has shown that Oneota groups were not isolated from one another nor from other cultural groups (e.g. Gibbon 1995; Schneider 2015; Stoltman 1986; Strezewski 2006).

The presence of exotic trade goods and the evidence for increased violence and malnutrition in Oneota archaeological contexts are testimony to the complex social dynamics of the period (Benn 1989; Fogel 1963; Hill 2006, 2012; Martin 1999; Schneider 2015, Strezewski 2006). Similarly, scholars are beginning to realize the degree to which this violent social climate restricted resources available to Oneota groups (Emerson 1999; Jeske 1998; Milner et al. 1991; Schneider 2015; Strezewski 2006; Wilson 2016). Emerson (1999) claims that this warfare could have been a major catalyst for cultural change throughout Oneota history. Markers of violence are significantly prominent among the human remains at some sites, such as Norris Farm 36 where one-third of adults show evidence of violent deaths (Milner et al. 1991; Karsten 2015). The few burials at the Lake Koshkonong sites have exhibited blunt trauma, projectile and knife wounds, as well as evidence for substantial malnutrition (Jeske et al. 2016).

The Lake Koshkonong Sites

The four sites in the Lake Koshkonong area from which the artifacts of this project originate are the Crescent Bay Hunt Club site (CBHC), the Koshkonong Creek Village site (KCV), the Schmeling site, and the Crabapple Point site (CAP). These sites are clustered near the northwest shores of Lake Koshkonong or near Koshkonong Creek, a small creek that runs north and west of the lake (Figure 1). The area has been investigated by both professional archaeologists and local amateurs for over a century, and has a dense archaeological record showing both prehistoric and historic activities. The specific sites included in this study have been dated to ca A.D. 1050 to 1400 by series of well-provenienced radiocarbon dates (Edwards 2010; Jeske 2000, 2001; Jeske et al. 2016; Richards et al. 1998; Schneider 2015).

Area Excavations and Previous Research

Since Stout and Skavlem (1906) first surveyed the archaeological sites in the area, there have been numerous investigations on the northwest shores of Lake Koshkonong where the four sites of this project are located. Stout and Skavlem's (1906) initial survey of the area identified a variety of habitation including campsites and villages. Almost forty years later, Charles E. Brown conducted another survey of the region while amassing archaeological data of Wisconsin and "noted several garden bed and burial sites in the region" (Schneider 2015:113).

In the 1950s, Robert Hall (1962) initiated research at Carcajou Point, which is just east of CBHC. Through ceramic analysis and observations of house structures present at the site, Hall (1962) concluded that Carcajou Point was occupied by people were influenced by Middle Mississippian cultures. Hall (1962) argued that the curvilinear designs on ceramics excavated from Carcajou Point and a lack of end scrapers in the lithic assemblage indicated an Early Oneota occupation (A.D. 1000 to 1400) that did not extend into the Late Oneota period (post A.D. 1400). Additionally, Hall (1962) collected a radiocarbon date of 1528±250, and suggested that the Koshkonong Phase could conceivably extend later. However, recent dating by UWM excavations suggest that Carcajou Point dates to pre-A.D. 1400 (Richards et al. 1998). A UWM project led by Robert J. Jeske in 2002 also investigated Carcajou Point, which revealed a Paleoindian component at the site (Jeske and Hunter 2001; Winker 2011). These excavations also procured some archaeological copper: two Late Woodland awls and a Late Archaic spear point and awl (Hill and Jeske 2011).

In the 1970s, Janet Spector (1975) conducted research at CAP, located just south of CBHC and the Schmeling site. While there are prehistoric occupations at this site, Spector (1975) focused on eighteenth-century Ho-Chunk occupations. From her observations, Spector

(1975, 1977) suggested that CAP was a site of specialized activities, specifically those involving mining, processing, and manufacturing lead. Birmingham (2011, 2014) studied artifacts originating from CAP collected by Mr. Jim Bussey and noted a similar abundance of lead materials from this area, including French trade goods from the eighteenth century. In addition to the historic materials, Birmingham (2011) commented on the abundance of Oneota material that Mr. Bussey removed from the Oneota component of CAP located on top of a bluff above the adjacent historic component. Birmingham (2011) indicates that a small number of Mississippian wares were found among the assemblage, suggesting that this group was in contact with or related to Mississippian groups. Schneider and Jeske have reviewed that material and suggest that his identification of Mississippian wares is equivocal (Jeske, personal communication). Being immediate neighbors with CBHC and sharing almost identical material culture, it is highly likely that inhabitants of CAP were in close contact with those residing at CBHC (Birmingham 2011; Jeske et al. 2016). Though prehistoric and historic artifacts are found at the site, Spector (1975) notes that no features held both prehistoric and historic goods, and Birmingham (2011, 2014) indicates that no Historic ceramic types were found at the site.

David Baerreis began the first systematic investigations at CBHC when he led a group of University of Wisconsin-Madison students in excavating a small test area, finding a subterranean, rectangular posthole structure and pit features (Gibbon n.d.; Schneider 2015). UWM began field school excavations at CBHC in 1998 that continue to this day (Jeske et al. 2016). Field school students have also excavated at the nearby KCV and Schmeling sites, which are both contemporaneous with CBHC (Edwards 2010; Foley Winkler 2006). While the numerous theses, dissertations, and other publications resulting from these excavations provide a substantial body of research covering lithic and ceramic material culture (Carpiaux and Edwards

2014; Carpiaux 2015; Schneider 2015; Sterner 2012; Sterner-Miller 2015; Wilson 2016; Winkler 2004), faunal remains and mortuary practices (Foley Winkler 2004, 2011; Van de Pas et al. 2015), agricultural practices (Olsen 2003); and settlement and catchment patterns (Edwards 2010; Wilson 2016), the copper artifacts of the area remain under researched. Understanding copper procurement and its variation across this site grouping will add another aspect to the previously completed investigations.

Physical Setting and Environment

The four sites of this study are located in Jefferson County, Wisconsin in an area known as the "Rock River-Lake Winnebago-Green Bay Lowlands region of the Eastern Ridges and Lowland geophysical province" (Schneider 2015:116) (Figure 1). Sites in this study mostly conform to typical Oneota settlement placement being clustered near bodies of water (Lake Koshkonong and Koshkonong Creek) with ready access to wetlands and arable fields (Edwards 2010; Foley Winkler 2011; Martin 1965; O'Gorman 1996; Rodell 1983; Wilson 2016). A limestone ridge follows the northwestern shoreline of Lake Koshkonong upon which three of the study sites – CAP, CBHC, and Schmeling – are located (Schneider 2015). This ridge has significantly eroded between CBHC and Schmeling, and between CBHC and CAP, possibly due to prehistoric springs (Edwards 2010; Schneider 2015). Beneath this eight-foot limestone ridge is an area of wetlands that extends east for 300 meters to the Lake itself (Edwards 2010; Schneider 2015). The setting for the site was likely selected due to its location within an oak savanna and proximity to prairie areas to the west (Edwards 2010). This environmental backdrop would have been conducive to a diverse subsistence strategy while also providing some protection against

natural elements and rival groups. Being near the CBHC and Schmeling sites, the Oneota component of CAP has a nearly identical physical setting (Spector 1975).

KCV diverges from this environmental pattern, as it is situated along Koshkonong Creek and much further away from Lake Koshkonong than other sites in the area (Carpiaux and Edwards 2014). Following the other three Oneota villages, KCV was also situated on top of a ridge and in proximity to wetlands that would have surrounded the creek (Carpiaux and Edwards 2014; Wilson 2016). In his catchment analysis of KCV, Wilson (2016:158) indicates that occupants at this site would have had "access to upland, wetland and aquatic resources, and diverse ecotones and plenty of arable land within a two-kilometer radius."

Prehistoric Copper

By the time the Oneota occupied the shores of Lake Koshkonong starting around A.D. 1050, indigenous peoples of North America had been mining and manipulating native copper for almost 7,000 years (Ehrhardt 2009; Jeske and Hunter 2001; Martin 1999). Seriation of the material culture from prehistoric sites across the Eastern Woodlands and radiocarbon dates of associated organic material show that copper sources near Lake Superior have been exploited since the Middle Archaic, around 4000-3000 B.C. (Ehrhardt, Nash, and Swann 2000; Martin 1999; Pleger 1998; Stoltman 1986).

Additional studies demonstrate that copper and the knowledge to manipulate it were traded cross-continentally by Archaic groups living near Lake Superior copper sources. Martin (1999) indicates that these groups lived in a social environment conducive to the exchange of ideas and technology. Evidence for this climate of exchange include the presence of exotic materials, especially foreign minerals and shells, in the archaeological record of sites and burials

across the Eastern Woodlands, as well as the appearance of similar forms, ideological symbols, and apparent manufacturing techniques of copper objects across numerous sites (Brose 1994; Martin 1999). Fogel's (1963) study of the variation in copper artifact densities across the landscape showed higher copper artifact concentrations near Lake Superior sources, that copper artifacts more frequently appeared in sites along waterways, and that the density of these artifacts dwindled as the distance from Lake Superior sources increased. Other studies showing Archaic trade practices include Popham and Emerson's (1954) investigations of the distribution of copper manufacturing techniques and Jury's (1965) support of proposed trade routes through the mapping of sites with known copper caches. Compositional analyses have shown that while groups outside of the Midwest may have relied on obtaining Lake Superior copper through trade during the Archaic period, they were able to locate and exploit copper more locally in subsequent eras and no longer needed to rely on trade to obtain the raw material (Ehrhardt 2009; Hill 2012).

Between the Archaic period and the emergence of the Oneota (A.D. 1000-1600), copper was integrated into the material culture of numerous North American prehistoric groups in many different forms and, presumably, functions (Ehrhardt, Nash, and Swann 2000; Pleger 1998; Jeske and Hunter 2001; Stoltman 1986). During the Middle and Late Archaic periods (4000-500 B.C.), copper was predominantly used in oversized tools that were mostly utilitarian, though they may have also had social and ritual significance (Binford, 1962; Byers 1999; McHugh 1973; Penman 1977; Pleger 1998; Wittry 1950). Following the Archaic, peoples of the Woodland period (500 B.C. to about A.D. 1200) living in the Midwest were using copper, possibly obtaining it through extensive networks, though they were using the raw material to create smaller, more compact tools, objects of personal adornment, and embossed sheets with ideological designs (Kocik 2012; Mississippi Valley Archaeological Center 2004; Yerkes 1988). Mississippian and Oneota groups

(A.D. 1000 to 1600) of the Midwest were utilizing copper similarly to Woodland groups (Ehrhardt 2009; Jeske and Hunter 2001). Copper appears in Mississippian and Oneota contexts as both utilitarian and decorative items, and includes awls and other smaller tools, objects of personal adornment, and elaborately embossed plates (Ehrhardt 2009; Hill 2006; Gibbon 1982; Overstreet 1997; Parkinson 2003; Sampson and Esarey 1993). Before copper fell out of favor and was replaced by European trade metals, ethnographers indicated that historic tribes including the Menominee, Sauk, Fox, Kickapoo, and Potawatomi utilized copper objects and regarded the material as having religious significance (Radin 1970 [1923]; Trevelyan 2004). Some ethnographic accounts indicate that copper ornaments were used to identify prominent individuals and households, and that the material was also used for utilitarian goods such as axes, chisels, knives, and spear and arrow points (Radin 1970 [1923]; Trevelyan 2004).

It has been argued that, throughout the history of its use, all copper objects, both decorative and utilitarian, held deeper social and ideological significance (Benn 1989; Binford 1962; Byers 1999; Martin 1999; Smith 2007; Pleger 1998). By using ethnographic analogy, the mythologies of historic Native American groups, and iconographic depictions found in the archaeological record, it has been speculated that the Oneota viewed copper as having cosmological connections to the underworld and its powerful spirits (Benn 1989; Martin 1999). Because of this ideological significance, it has also been said that copper was used by influential individuals to display their elevated status in the community (Benn 1989; Ehrhardt 2009).

The continuity of copper usage in prehistoric groups of the Midwest speaks to its significance in the economies, social interactions, and ideologies of these peoples. With such an extensive history of copper exploitation throughout prehistory and a dense accumulation of

literature about the material, expanding the research of Oneota copper specifically will be a useful contribution to the field.

Mining and Trade

Since the copper deposits exploited by indigenous peoples of the Midwest are roughly 99.9% pure native copper, this metal is inherently malleable (Ehrhardt 2009; Martin 1999; Stoltman 1989). Prehistoric groups could mine, manufacture, and intricately manipulate this pliable metal without the knowledge of smelting (Ehrhardt 2009; Dahlen 2007; Martin 1999). Copper was extracted from exposed veins using heavy ground stone mauls (Martin 1999). Some have argued that fire was utilized to either soften the copper prior to harvesting, crack the surrounding rock for easy removal, or to help separate the copper from the surrounding bedrock (Cullen 2006; Griffin 1961a, 1961b; Landon 1940; Martin 1999; Stoltman 1986).

Hill (2012) and Levine (2007) indicate that while there has been much speculation of the exact location of copper sources exploited by prehistoric peoples, these claims have not always been scientifically tested. Prior to implementing archaeometric tests such as trace element analysis, researchers believed that indigenous groups only exploited the exposed copper veins in the Keweenaw Peninsula of Michigan's Upper Peninsula and Isle Royale located in Lake Superior (Dahlen 2007; Ehrhardt 2009; Fogel 1963; Landon 1940; Martin 1999; Penman 1977; Pleger 1998). Archaeologists have also historically attributed prehistoric copper sources to relatively common "float copper," or copper detached by glaciers from its original veins, carried for potentially hundreds of miles by these ice sheets, and deposited elsewhere in glacial till (Dahlen 2007; Ehrhardt 2009; Landon 1940; Penman 1977).

Compositional analyses have shown that the preferred copper sources of prehistoric groups shifted throughout time (Ehrhardt 2009; Levine 2007). Methods such as X-Ray

Fluorescence (XRF), Instrumental Neutron Activation Analysis (INAA), and Laser Ablation Inductively Coupled Mass Spectrometry (LA-ICP-MS) allow researchers to analyze the exact chemical composition of a material. These data can then be compared to the compositional signatures of known geologic sources of raw materials or the composition of artifacts from other archaeological sites (Hill 2012; Hill and Jeske 2011; Rapp et al. 1984; Vasilescu and Constantinescu 2011). While Lake Superior deposits and those around New Jersey and Nova Scotia were popular with earlier groups throughout the Eastern Woodlands, Middle Woodland and Mississippian groups of the southeastern United States started exploiting more local copper deposits (Ehrhardt 2009).

Hill and Jeske (2011) previously tested a small sample of artifacts from the Lake Koshkonong area using LA-ICP-MS, including three samples (an adze, awl, and fragment) from CBHC. Through these sourcing efforts, Hill and Jeske (2011) concluded that the copper from the Oneota component at CBHC closely matched that of the Middle Archaic occupation of the Reigh site in northern Wisconsin, the Riverside site located in the southwest portion of the Upper Peninsula of Michigan, and the Snake River region of eastern Minnesota. Copper from the Late Archaic contexts at CAP and the nearby Jaco site proved to also mirror copper found at the Reigh and Riverside sites, as well as the Snake River area of eastern Minnesota (Hill 2009; Hill and Jeske 2011). Middle Mississippian copper from Aztalan has similar composition to that from the Riverside site (Hill and Jeske 2011). While Archaic groups appear to have obtained copper from a variety of sources, later Oneota and Middle Mississippian groups residing in southeastern Wisconsin apparently exploited more easterly sources of the state. This shift led Hill and Jeske (2011:6) to suggest "either a fundamental restructuring of social interaction and territories between the Early Woodland and the period of site occupation [at Late Woodland CAP and

Oneota CBHC], or perhaps multiple occupations of these sites, or finally the possibility that copper artifacts were curated for generations." Although the results of Hill and Jeske's (2011) analysis is limited due to small sample sizes, their work provides testable hypotheses to help determine whether Oneota groups traveled or traded across the state to procure this raw material, if they were passing these objects down within kin groups, or if local float copper has similar chemical signatures to sources around Lake Superior and in eastern Wisconsin. Research along these lines using LA-ICP-MS is currently underway (Ahlrichs, personal communication).

Manufacturing

By the tenth century A.D., Native Americans had developed an extensive set of copper manufacturing techniques including "shearing, grinding, molding, and burnishing" (Ehrhardt 2009:229). Starting in the Middle Woodland period, the common manufacturing processes for copper objects involved cold-hammering the material into sheets which were manipulated into various shapes, embossed with designs, overlaid on wooden or stone objects, or pressed into molds (Ehrhardt 2009; Ehrhardt, Nash, and Swann 2000). These processes were still used during the Mississippian period when they were refined to allow for the creation of copper foil, or sheets thinned to less than 0.05 mm (Ehrhardt 2009; Leader 1988). These finer, labor-intensive techniques probably elevated the value of this raw material within Mississippian and Oneota societies.

Microscopic analyses of copper tools have revealed that prehistoric groups annealed copper after cold hammering, since hammering damages the crystalline structure of copper, thus weakening it (Ehrhardt 2009; Martin 1999; Schroeder and Ruhl 1968). Annealing, which recrystallizes the structure of copper, involves reheating and cooling the manufactured object (Martin 1999; Schroeder and Ruhl 1968). Numerous microscopic studies of the crystalline

structure of prehistoric copper artifacts have shown that annealing had been part of copper manufacturing techniques since the Archaic, but was not consistently implemented at the same stage during the manufacturing process (Ehrhardt 2009; Ehrhardt, Nash, and Swann 2000; Schroeder and Ruhl 1968).

While other Mississippian groups like those at Cahokia, Spiro, and Etowah possibly included specialized copper craftspeople sponsored by elite individuals, there has been no indication of this specialization in Oneota societies (Benn 1989; Overstreet 1997). At this time, there is little evidence for the production of copper artifacts beyond a household level (Benn 1989; Overstreet 1997). It is possible that Oneota groups traded with other contemporaneous peoples to obtain specially-crafted copper objects. Hall (1962) notes that the serpent pendants found at Wisconsin Oneota sites are common at the Etowah site in Georgia and indicate possible interactions between these groups.

Use-Wear Analysis

Archaeologists have developed increasingly successful methods of use-wear analysis on stone tools since the late 1970s (Newcomer and Keeley 1979; Odell 1979; Odell and Odell-Vereeken 1980). By creating comparative collections through experimental archaeology, researchers are able to analyze micro and macroscopic damage and polish on stone tools in order to determine both the type of material on which the tool was used and the direction of its use (Newcomer and Keeley 1979; Odell 1979; Odell and Odell-Vereeken 1980).

Though use-wear has become a respected method of analysis in the study of stone tools, it is not as commonly used in research on metal objects. The malleability of native copper allows for extensive post-depositional and modern wear. Additionally, corrosion and patina often

obscure the surface of copper artifacts, hindering microscopic use wear analyses. Despite these drawbacks, in their study of European metal tools, Kienlin and Ottaway (1998) argue for the utility of use-wear analysis for bronze and copper artifacts. Their methods mirror that of lithic use-wear studies: using prehistoric construction techniques and materials to create replica tools; documenting the manufactured tools prior to use; using these tools repetitively on the same material and in the same motion (e.g. stripping the bark off of a tree branch); observing and documenting the used tools macroscopically and microscopically to determine traces of use; and, finally, comparing signs of wear on the contemporary tools to marks on archaeological specimens (Kienlin and Ottaway 1998). Kienlin and Ottaway (1998) concluded that their study demonstrated a successful application of use-wear analysis on metal tools, and advocated the continued use of this analysis and improvements on its methods for future research on bronze and copper tools.

Dolfini (2011) also argues for the utility of use-wear analysis in her study of copper artifacts from Copper Age Italy (3600 to 2200 B.C.). Her methods mimicked those utilized by Kienlin and Ottaway (1998) and were also found to provide detailed results of the use of various copper artfiacts (Dolfini 2011). In addition to being able to define if an object was used, in what capacity, and on which type of material, Dolfini (2011:1037) could discern that some axes had functional use-wear but were taken out of circulation while they were still functional and placed into ritual contexts, which "suggests that deposition practices bore a loose relationship, if any, with the functional value of the tools." The major weakness of this line of investigation that Dolfini (2011) points out is the lack of comparative studies completed within the discipline. Additional use-wear studies will strengthen this method and provide empirical evidence for assumed functions of copper artifacts.

In 1984, April Sievert Hohol addressed whether use-wear analysis of Old Copper implements in the Field Museum could be conducted successfully. She utilized categories of wear that are similar to Penman's (1977) early use-wear analyses, which include stress, striation, smoothing, and edge attrition (Sievert Hohol 1984). While she identified some aspects of these archaeological materials that may hinder use-wear analyses – such as patina and damage from museum exhibition and storage, contemporary artifact handling and reuse, and natural decomposition – Sievert Hohol (1984) concluded that it is possible to study use-wear on Old Copper artifacts if observations are restricted to damage that occurred prior to surface patination.

Ideological Significance of Copper in Prehistoric Societies

Utilizing ethnographic analogy and historical accounts, researchers have been able to theorize the ideological significance of copper in prehistoric societies. *Ideology* is used in this thesis to describe the world view shared by a group of individuals, as well as the social practices and material culture that it requires to function (e.g. beliefs, rituals, values, religious memorabilia, sacred symbols) (Van Dyke 2011). Similarly, this thesis follows other researchers (e.g. Baines and Yoffee 2000; Joyce 2000; Van Dyke 2011; Wolf 1999) who have argued that a group's ideology could be manipulated by leaders or powerful individuals through control over ideological practices or substances, which could be used to further a world view that supports social inequality. Ideological functions of artifacts often overlap with their social functions since ideology often inspires social organization. For the purposes of this thesis, an object's *social function* is defined as its role in personal or group relationships, such as social or political status.

Trevelyan (2004) has highlighted the longevity of copper use in ritualized contexts of Eastern Woodland groups throughout prehistory. The frequent placement of this material in ritual contexts, especially burials, points to the importance of copper in establishing personal and

group identities (Byers 1999; Dolfini 2011; Reilly 2004; Trevelyan 2004; Winters 1981). Trevelyan (2004) also notes that various ethnographies of early historic groups indicate that copper was used to distinguish individuals of higher social standing and that large boulders of this material were considered by some prehistoric groups to be deities in themselves. The material may also have had religious significance due to its red color, which was ideologically important to prehistoric and historic groups and often symbolized blood, fire, and the sun (Kelly and Brown 2012; Trevelyan 2004).

Prominent animals in prehistoric and historic ideology are also often depicted in copper. Falcons, serpents, and water panthers were important mythological animals to Middle Mississippian and Oneota groups (Benn 1989; Trevelyan 2004). Being from the underworld, the serpents and water panthers are also described in oral traditions as having copper body parts (Benn 1989; Ehrhardt 2009; Martin 1999; Trevelyan 2004). Elements and characters of these animals who reside in the upper and lower celestial realms were also often mixed together in fetishized bundles and artistic representations (Benn 1989; Berres 2001; Trevelyan 2004). This practice mimics the myths of hawks and men capturing snakes to harness their power and gain control of the various spiritual planes (Benn 1989; Berres 2001). Serpentine pendants, like those analyzed in this study, have been identified as snakes, hawk feathers, or the copper tail of the water panther who resides in the underworld (Benn 1989; Hall 1962; Martin 1999). Trevelyan (2004) also indicates that snakes, falcons, and felines are commonly depicted in decorative copper artifacts and that their symbolic forms are often combined to depict hybrid animals.

Oneota Copper

Despite a history of archaeological research with Archaic copper materials, intensive archaeological investigations and application of theoretical models have not been specifically applied to Oneota copper material culture. Since this substance has a tradition of being placed "in elaborate burials within mounds or other situations of obvious ceremonial significance," detailed applications of anthropological theories on social inequality and ideology are necessary (Trevelyan 2004:116).

Copper was frequently used by the Oneota to create utilitarian and decorative items. Awls, needles, beads, and pendants are among the artifact types commonly found in Oneota contexts (Hill 2006; Jeske 2003; Overstreet 1997). A specific typology for Oneota copper artifacts does not currently exist or, at least, is not commonly used by archaeologists in publications. When discussing these objects, scholars default to Wittry's (1950) classification of Old Copper Complex material culture, use types found in lithic typologies, or categorize artifacts in broad, generalized types such as *awls*, *globular beads*, or *perforated disks* (Gibbon 1973; Hall 1962; Hill 2006; O'Gorman 1993; Parkinson 2003; Overstreet 1997). Such types are problematic as they imply specific uses without testing these assumptions and ignore the ideological and social significance of functional items.

Some archaeometric work has been done with Oneota copper artifacts, as previously mentioned. Hill and Jeske (2011) investigated potential copper deposits exploited by Lake Koshkonong Oneota groups and found that the preferred deposits found in eastern Wisconsin and northern Wisconsin/Michigan differed across time. Still unresolved is the specific method of retrieving copper material from these deposits across the state and the social practices surrounding its procurement and manufacture. Since glacial till is commonly found in the Lake

Koshkonong region, it is also likely that copper artifacts found at the Oneota sites in this area simply utilized local float copper to manufacture objects (Schneider 2015).

Foley Winkler's (2011) discussion of copper artifacts found within burial contexts provides unique insight into the possible ideological and social roles that this raw material was given within Oneota communities. While Foley Winkler (2011) describes a relative lack of copper artifacts found overall among Wisconsin Oneota burials (only 7%), she indicates a slightly higher proportion of copper placed in burials at the Walker-Hooper site in Green Lake County, Wisconsin (4%) and the Hoxie Farm site in Cook County, Illinois (14%). Her description of the burials at Hoxie includes the following:

> A copper bracelet was recovered with a subadult from Walker-Hooper and otter skulls with copper eyes were recovered from Hoxie. Here the form of copper is important because it appears to reflect either agency as with Walker-Hooper or possible clan associations with Hoxie [Foley Winkler 2011:141].

Foley Winkler (2011:163) concluded that Wisconsin Oneota burials contain more copper than Langford burials, which may imply varying group identities; however, "their significance in Oneota mortuary ritual may be more statistical than actual" since only 7% of burials contained copper goods.

CHAPTER 3: METHODS

Data collection methods were developed and standardized with Robert Ahlrichs, a graduate student at UWM researching the Archaic copper pieces in Mr. Jim Bussey's private collection. Standardization of these data should allow for future comparisons. In addition, the variables recorded by Dahlen (2007) in his research on Ioway copper artifacts were consulted to establish comprehensive documentation procedures.

The data collected from artifacts in the assemblage were documented in an Excel spreadsheet and later populated into the copper artifact form seen in Appendix A. Characteristics recorded on this form include the artifacts' alphanumeric catalog number, dimensions, patina, morphofunctional designation, wear, manufacturing stage/processes, reported and/or analyzed provenience, inclusion of organic residue, and an image of the object. The information recorded in the Excel spreadsheet was standardized and coded for more efficient documentation and analysis. For an entire breakdown of this coding schema, see Appendix B.

Alphanumeric Catalog Numbers

The alphanumeric catalog numbers given to each object consist of multiple parts. The first letter of the artifact's number designates from which collection the artifact originates. These abbreviations are as follows:

- C = Objects unearthed during UWM field school excavations of the Crescent Bay Hunt Club site (47JE0904)
- K = Objects unearthed during UWM field school excavations of the Koshkonong Creek Village site (47JE0379)
- S = Objects from the Schmeling Collection from the Schmeling site (47JE0833)

- B = Objects from the Bussey Collection that were unearthed from Crabapple Point (47JE0093)

After this initial letter, some collections were given an additional prefix. For collections from CBHC and KCV, the object was also given the last two digits of the year in which the object was excavated (e.g. K12 means that this object was excavated from KCV in 2012). The Bussey collections were also given an additional prefix that denotes their original storage container. Since all of Bussey's trays were given a number, this tray number was placed after the *B* designation (e.g. B72 means that this object was originally stored in Bussey's tray that was labeled 72). Some of Bussey's objects were also stored in a white tray that was designated *W* (e.g. BW) and another group of objects was stored in a bag of presumed scraps that was given the additional prefix *SB* (e.g. BSB). Objects from the Schmeling collection were given no additional prefix.

After this prefix and separated by a hyphen, all objects were given a number that was unique to each piece in the collection. This number was assigned arbitrarily in order to serve as a unique identifier for objects so that they can be referenced in the analysis of this research project. For example, one artifact from KCV may have an alphanumeric catalog number of K12-5, which would mean this is the fifth documented artifact of the KCV collection from the 2012 excavations.

Objects with multiple parts were denoted by adding a letter at the end of the catalog number. If the previous example of K12-5 had two parts, these parts would be numbered K12-5A and K12-25B.

Morphofunctional Designations

Since an established typology of Oneota copper artifacts does not exist and developing one is beyond the scope of this thesis project, artifacts were given a general morphofunctional designation. After preliminary observations of the collection, the categories designated were *bead, awl, pendant, tinkler cone,* and *fragment* (Martin 1999; Trevelyan 2004; Walder 2015; Wittry 1950). It is not the intention to ascribe an intended function via these designations, but to group the objects by similar form using terminology frequently used by the archaeological community. An assessment of the validity and usefulness of these terms will require additional research.

Describing Patina and Corrosion

Since the majority of objects are covered in patina and corrosion, a notation of these effects was documented. Patina is defined as a "colored layer on the surface of a metal, often a copper alloy" (Motley 2010:68). Since patina is defined as being a colored layer, lettered categories were arbitrarily assigned to types of patina found in the collection based on its color. These categories are:

- Type A: A very common patina that is seafoam green in color (Munsell 2.5G 9/6, very light yellowish green).
- Type B: Vibrant teal in color (Munsell GLEY1 3/5, very dark grayish green), this patina is often thicker, has a dull luster, and sometimes is found on accretions.
- Type C: Another common patina, Type C is dark reddish brown in color (Munsell 2.5YR 3/4, dark reddish brown) and often has a dull appearance and slightly pitted surface.

- Type D: This patina is usually thicker or accompanied by an accretion and takes on a dark brownish black color (Munsell 7.5YR 2/5, black).
- Type E: Only appearing on a few objects, this patina is rusty yellow in color and appears dull (Munsell 5YR 5/8, yellowish red).

Other types of deterioration that were noted include accretions and pitting. Accretions are defined as the "accumulation of extraneous materials on the surface [of an object]," and are present on virtually all of the objects in the collections (Motley 2010:70). Pitting also occurs regularly, and can be described as "small, irregular, shallow, pinhole-sized losses scattered over the surface of metal, caused by acidic conditions or resulting from the casting process" (Motley 2010:71).

The percent of the total surface area of the object covered by patina and/or corrosion was documented, and appears to be 100% for all objects. This rampant deterioration is important to note since it hinders observation of the original surface of artifacts in the collection; especially delicate, decorative incisions.

Documenting Use-Wear

April Sievert Hohol is one of the few researchers who have performed use-wear analysis on North American copper implements. In her 1984 dissertation, Sievert Hohol delineates a schema for observing and documenting use-wear on copper implements. This schema was adapted for documenting use-wear on the artifacts of this thesis project. Sievert Hohol (1984a:17-20, emphasis added) describes these use-wear categories as:

Stress damage - which includes battering, cracking or bending damage. Stress damage implies heavy, impactive use […].

Mushrooming or splaying of edges was taken to be indicative of battering. For example, if a tool was used as a wedge, mushrooming would be expected on both proximal and distal ends. Smashing or bending back of edges could indicate pressure stresses.

Cracking may occur as a result of stress applied to anneal sutures. Cracking could occur also from environmental, or freeze/thaw stress. Fracture could result from excessive stress during use.

Bending may result from excess pressure being applied to the tool against an unyielding worked material. Bending would occur more often to thin elements or elements held obliquely to the point of pressure. Bending might also occur at junctions of structurally weaker elements […].

Striation - The softness of copper makes it prone to striation resulting from use, manufacturing techniques or weathering. Semenov (1964) remarks that striation is the most significant clue to reconstructing kinematics of use, and that metal tools pick up use striations more easily than do any other. […]

Smoothing - Smoothing or polishing of the edges should be characteristic of copper tools. Such reduction in topographic relieve or polish could result from:

Extended **use** which would buff areas to a polish. For areas to become polished through use, the worked material must be relatively soft and yielding, otherwise the surface would abrade.

Intentional **pre-use** polishing by the manufacturer. Here, if polish is a technique sought by the manufacturer, it ceases to be a true indicator of use. However, it seems more likely, in light of sour marks customarily found on the surface, that scouring, not polishing was the method of finishing surface areas.

Incidental polishing could occur through handling or friction against haft or bindings. Hand held tools might become polished from repeat handling.

Retooling - Evidence of retooling would also be indicative of use. For copper tools, the following types of retooling would be expected.

Resharpening - is indicated if edges are found to have overlapping layers of beveling striation. […] Resharpening is also suggested when, in pieces for which edge striations are absent, the edges show thinning (Penman, 1977). Also, morphological changes such as systematic straightening out of convex edges can result from repeated re-sharpening.

Repair - Repair could take on a number of potential forms. [Sievert Hohol assumes] that the most common would be the hammering straight of bends or twists in the metal that result from use. [She expects] that stress marks of some type would betray the presence of repaired bending.

Sievert Hohol (1984a:23-24, emphasis added) also categorizes recent alterations, and describes this type of wear as:

Recent alteration - When using artifacts which were possessed by private collectors for many years, there is uncertainty regarding treatment that the artifacts may have received. Three sources of potential alteration exist:

Cleaning - or removal of patination from an artifact by means of abrasives can disrupt traces of striations or polishes resulting from prehistoric use or manufacture.

Recent use - Due to the similarity of [prehistoric] tools to many kinds of modern tools […] some artifacts may have been utilized post-discovery.

Curation - Methods of curation could also affect the artifact. For example, two awls show a similar pattern. At approximately 2-3cm from each end there are transverse striations which appear to be recent since they cut deeply into the natural patina. These could only have been caused by thin wires having been used to hold the piece, most likely for display purposes.

In addition to Sievert Hohol's designations, three categories were created to describe damage not included in her schema. These three categories are *incisions, loss: broken piece,* and *loss: nicks*. Incisions differ from striations by penetrating deeper into the object's surface and may sometimes be interpreted as decorative elements. This term also has an implication of intentionality. Where striations are byproducts from manufacturing methods or wear, the depth and placement of incisions indicate that the manufacturer intended for them to be clearly visible on the final product.

The two loss categories were created to indicate objects that appear to have lost a portion of their original manufactured form. *Loss: broken piece* is a category designed for fragmented objects, such as those that have previously broken in half. The *loss: nicks* category is to note

those artifacts with small missing pieces, such as a bead with a portion missing from its edge due to extended use.

With these few additions, the documentation of wear followed previous studies by Sievert Hohol (1984) and included a column for detailed notes of potential signs of wear. Each piece in the collections was observed both macroscopically and with a 10x loupe in order to more accurately complete use-wear and manufacturing notes. Though this documentation may not allow us to infer exact uses for the Lake Koshkonong copper artifacts, it will demonstrate to the utility of use-wear documentation and analysis on North American metal artifacts.

Manufacturing Notes

Since the manufacturing techniques of copper objects differ throughout time, the potential construction methods of artifacts were also noted. A qualitative note on their *level of manufacture* was included in the Excel spreadsheet, which includes the categories: unmodified (for pieces of raw native copper), some modification (used primarily for scraps and fragments), prepared blanks (fragments of copper prepped for artifact manufacture), roughly manufactured artifacts, moderately refined manufactured artifacts, finely manufactured artifacts, and manufactured artifacts probably significantly distorted after deposition. Understanding the state of these materials in the manufacturing process may be helpful in dating these objects, identifying a manufacturing tradition, and analyzing the modes of production occurring at each site.

In addition to the level of manufacture, possible shaping and manufacturing methods were noted also, as well as any possible decorations. Finally, the shape of the object's cross section was documented also, since this is a characteristic noted in other copper analyses and

could be used in future comparisons. By collecting these data, this project aims to glean information from the collections that might indicate who made these objects, when, and what methods they used.

Other General Data Recorded for All Objects

The final section used in documenting all objects includes information pertaining to each artifact type. These data include the artifact's weight to the nearest tenth of a gram and whether the object includes any organic residue. The date that each object was photographed was also noted, along with the number assigned to the digital image file by the camera. This section also includes a general *Comments* area, where any information not covered by the other sections in the spreadsheet was addressed, as well as a space to note the date of the record entry and the individual recording the information (JMP = Jacqueline Marie Pozza).

Object Orientation and Lexicon

In order to orient readers while describing artifacts, a lexicon was developed for the various types of objects found in these collections.

Awls

Awls have two *ends* and a *body* (Martin 1999; Trevelyan 2004; Walder 2015; Wittry 1950). Where the end stops and the body begins is not a definite point, but can roughly be identified as the area where end use/wear/shape stops and the body shape begins. This type of artifact was oriented with the end type first categorized in the end shape columns (columns AT to AX reading left to right) pointed down (or toward the observer), the second documented end type

pointed upwards (or away from the observer), and the object lying flat on a table. The end pointed toward the observer was referred to as *End 1,* and the end pointed away was described as *End 2.* If ends have the same type of shape and are noted together in these end type columns (e.g. if both ends are pointed), then the titles of *End 1* and *End 2* were arbitrarily assigned and this assignment was described in the Comments section of the awl's entry.

Beads

Terminology for parts of a bead's anatomy must also be standardized to facilitate written descriptions of these artifacts, so a detailed lexicon was developed for the beads. Each bead is made out of a strip of copper with one edge of the seam rolled over the other. The side of the bead that is rolled over the other to create the seam of the bead was referred to as the *rolled over side*. The side tucked under this was deemed the *rolled under side.* Beads were oriented with their seam facing upwards, and the *rolled over side* on the right. Most of the beads are slightly flattened on the side opposite their seam, and, therefore, naturally sit on a flat surface with their seam facing upward. The side opposite the seam edge that rests on the table when oriented properly was described as the *side opposite seam.*

The two edges of the bead that are perpendicular to the seam were referred to as the *top bead edge* and the *bottom bead edge*, which is possible due to the bead's orientation described above. The edge of the rolled over side that is roughly perpendicular to the top and bottom bead edge was called the *rolled over seam edge*, and the edge of the rolled under side was deemed the *rolled under seam edge.*

Tinkler Cones

Tinkler cones, also known as *tinkling cones,* are similar to rolled beads and thus were described using similar terms (Martin 1999; Trevelyan 2004; Walder 2015; Wittry 1950). The most significant difference between the two artifact types is that tinkler cones are intentionally made to be more cone-like than tube-like in shape. This cone form dictated the orientation of the object for description purposes. Since the tinkler cone is attached by threading a rope/string/lock of hair through the smaller end of the cone and knotting it, this smaller end was considered the *top* of the cone. The wider end was referred to as the *base.* Following this trend, the two edges of the tinkler were described as the *top edge* and the *base edge.* Similar to the beads, the cone's *seam* faced upwards. All other terms delineated in the bead lexicon were used for tinkler cones, including *rolled over side, rolled under side, rolled over seam edge, rolled under seam edge, top cone edge, bottom cone edge,* and *side opposite seam.*

Pendants

Pendants similar to those in this assemblage have been referred to as *symbol badges* (Hall 1962; Martin 1999; Trevelyan 2004; Warring and Holder 1945; Walder 2015; Wittry 1950). In order to orient pendants for descriptions, their attachment feature (either a rolled over end or punctures through which a rope could be strung) was placed away from the observer. The front side of the pendant was also determined by its attachment. For pendants with attachments made by a rolled over end, the front was the side with the rolled over attachment and the back was the side that is flat. Pendants with punctures for attachments were oriented with pushed-in side of the puncture facing upwards and the flared-out side of the puncture hole being towards the back.

The portion of the pendant with the attachment feature was referred to as the pendant's *head*, and the rest of the pendant stemming from this head was called the *body*. The termination of the pendant opposite the attachment was deemed its *end.*

Copper Fragments

The final general object type present in the collections are copper *fragments*, which are a conglomeration of what other researchers have referred to as *scrap*, *waste, wire,* and *blanks* (e.g. Walder 2015). These are pieces of copper that have no other distinguishable shape. This term does not infer that these objects are necessarily broken or that they are part of a whole, it merely denotes that this item has no resemblance to the other artifact types (awls, beads, tinkler cones, and pendants) and may either be a byproduct of manufacturing other pieces, an unfinished piece, or unaltered native copper.

In order to orient these pieces, its longest dimension was used as its length. Its width was then measured perpendicularly to this length measurement. If there was a flatter edge present, this edge was used to help orient the object, and measurements were taken parallel and perpendicular to this edge, not diagonally.

Unique Documentation for Specific Artifact Types

Each artifact type has unique characteristics, so additional sections in the Excel spreadsheet were designed specifically to collect data that are only applicable to that type of artifact. Standardized measuring methods were also addressed. Because of the delicate size of many of the collection's objects, all measurements were taken to the nearest hundredth of a millimeter. For consistency, maximum measurements were recorded. While deciding how to

measure artifacts in the collection, efforts were made to consider intentionality. The measurement methods described below were designed to create an effective and standardized measuring procedure for replicable data collection and to investigate features that may have been purposefully shaped during manufacture. For a full breakdown of spreadsheet documentation of each artifact type, see Appendix B.

Awls

The two ends of the awl were documented first. Terms used to describe their shape were *pointed* (for needle-like ends), *tapered* (for ends that were not exactly pointed, whether this be by intentional manufacturing or from extensive use), *flattened* (abrupt, relatively clean ends that were roughly perpendicular to the awl's body), *splayed* (a flared out, mushroomed end that may have been intentional from manufacture or is a result from use), and *broken* (a term used to describe the fractured end of an awl).

Maximum length was recorded, along with the width and thickness of the awl's body and each end. Width and thickness measurements were taken at the approximate center of the awl's body and about one millimeter away from each end. The largest measurement of the center of the body determined the direction of the width measurements. Thickness measurements were perpendicular to width measurements. Measurements of the two ends were in the same direction as those at the center. The angle of pointed and tapered ends of awls was also documented. If there was more than one edge that was pointed and/or tapered, the angle of Edge 1 was listed first, followed by a comma and the angle of Edge 2.

Beads

Numerous data were collected for beads, including whether their edges were cleanly or irregularly cut and the amount of overlap of the two seam sides. The shape of the rolled over side edge was also described. Whether this edge was *squared* (cleanly cut and perpendicular to the beads' edges), *irregular* (not cleanly cut and somewhat smaller/larger than the bead's length), *flared* (noticeably larger than the bead's length), or *tapered* (significantly smaller than the bead's length) may indicate a difference in manufacturing technique.

On many of the rolled under seam edges, the extreme end is pinched inward and away from the rolled over side. During initial observations of the collections, the frequency of this modification on beads in the collection suggested its potential importance in identifying manufacturing procedures. This feature was noted as the rolled under side edge being *pinched.*

Two unique shapes of beads were also noted. Beads notated in this thesis as *globular* shape were wider than they were long or roughly the same in width in length. Globular beads also were spherical and bulge out in the center of their side. While all beads could be described as tubes, *tubular* beads were significantly longer than they were wide. Their diameter was much smaller, and their length was significantly longer than the average bead. These terms were intended to act as general descriptions of a bead's shape, and were not designed to be used as a specific bead type.

The final feature of beads that warranted special terminology was the alignment on the seam edges. Beads with their rolled over side and rolled under sides relatively aligned to create flat bead edges were described as *flush*, whereas bead sides that were not aligned, resulting in uneven bead edges were called *askew* for this thesis project.

Three lengths were taken: the maximum length of the bead, the length of the seam, and the length of the side opposite the seam. The width of the bead was measured with the bead sitting on a flat surface with its seam faced upwards. Two measurements were taken of the bead's thickness about two millimeters from the bead edge with one taken on the side opposite the seam and one from the rolled under side as closely to the overlap with the rolled over side as possible. Efforts were made to ensure that only the thickness of one layer of the bead was measured and in an area with the least amount of accretions. Finally, the bead's orifice was measured across both of the bead's edges.

Tinkler Cones

The tinkler cone documentation and standardized measurements were almost identical to the bead section with a few exceptions. There were no special shapes assigned to tinkler cones and no formal typology has been developed for this object type in the archaeological literature. However, Walder (2015) has suggested the possible importance of the closure type of cones (abutted or overlapped). This feature was noted for tinkler cones in the "amount of overlap of seam sides" column. Two widths of the cone were measured instead of one: one at the top of the cone (the smaller end) and one at the base of the cone (the larger end). All other measurements followed the bead methods.

Pendants

Pendant form varies greatly, so the spreadsheet was designed to incorporate descriptions of this variety. The pendant's *attachment type* was first recorded. Attachment features manifest in two forms: a rolled over end or punch(es) in one end of the pendant.

Pendants take on a variety of forms. Categories of *pendant shape* were based on the general form of the object. These categories include an *indeterminate shape* (mostly for small, fragmented pieces without a discernable shape), *serpentine* (pendants with semicircular bends), *circular, mace-shaped* (resemble a prehistoric mace or upside-down cross, also noted as acorn or keyhole pendants in literature), *talon-shaped* (similar to a raptor talon in shape), *point-shaped* (for pendants that are shaped like unnotched/unstemmed projectile points), *teardrop-shaped,* and *trapezoidal* (Hall 1962; O'Gorman 1996; Trevelyan 2004; Waring and Holder 1945). Any additional details about the shape of the pendants were noted in the general comments section.

The shape of the side opposite the attachment feature, or the pendant's end, was also documented. Options for this column include *broken* (for pendants that were previously broken and their original end no longer remains attached to the object), *pointed* (coming to a sharp point), *tapered* (coming to a gradual point), *square, polygonal,* and *rounded* (for circular or teardrop pendants).

Three length, two width, and two thickness measurements were taken for pendants. A pendant's head (or area with attachment feature) and body were measured separately, along with the pendant's full length. The maximum width of its head and body was also measured. Two thicknesses were measured, one at the center of the pendant's head and one at the center of its body.

Copper Fragments

Since copper fragments are mostly non-diagnostic, only a few kinds of data were collected. The object's general shape was noted (*round, triangular, oval, square, polygonal*), with *irregular* being reserved for those fragments with unique shapes that do not fit within the

other categories. Based on this shape and a general observation of the piece, an intended final form may be suggested. The categories for this *possible intended final form* include *indeterminate* (for artifacts that were too early in the manufacturing process to determine a final form, were never intended to be made into a final artifact, or were fragments of copper not manipulated by an individual), any of the other artifact categories (*awl, bead, pendant, fragment, tinkler cone*), or an *other* category. If *other* was used, then a description of this form was included in the comments section.

Finally, three measurements were recorded for each fragment. The longest measurement was recorded as its length. Once a length was established, width was measured perpendicular to the length. The maximum thickness of the fragment was also recorded.

CHAPTER 4: RESULTS

The Lake Koshkonong copper collections consisted of 636 objects. Data gathered from these artifacts are detailed in Appendices C through H. Morphologically, the collections consist of 83 awls, 320 beads, 67 pendants, one mace, two adzes, one possible fish hook, one possible broken projectile point, one coiled object, and 158 fragments. The Schmeling collection also included two tinkler cones; however, these appear to be made from bronze and are likely from historical context (Kevin Schmeling, personal communication). This wealth of data provides insight on the distribution of copper and artifact types across the four sites, as well as Oneota copper manufacturing practices, uses, and possible ideological significance of this material.

Distribution

The most glaring contrast between these assemblages is the amount of copper in each collection. CBHC yielded 11 copper objects, 19 were found at KCV, and the Schmeling collection included 23 copper pieces, whereas 583 pieces of copper were recovered from CAP. Comparisons of the total weight of copper recovered from each site show that CAP accounts for over two-thirds (67.1%) of the overall copper recovered from this area, and that this site also vastly dominates the distribution of each artifact type (Figures 3 and 4).

This discrepancy is undoubtedly due largely to the different methods in which the artifacts were recovered. KCV and CBHC artifacts were excavated during University of Wisconsin-Madison (UW) and UWM field schools (UW 1968 and UWM 1998, 2000, 2002, 2004, 2012, and 2014), while the Schmeling materials are part of Mr. Keven Schmeling's small private collection obtained by surface collecting plowed fields. Despite three seasons of field walkover and excavation of eight two-by-two meter units, including three bundle burials, no

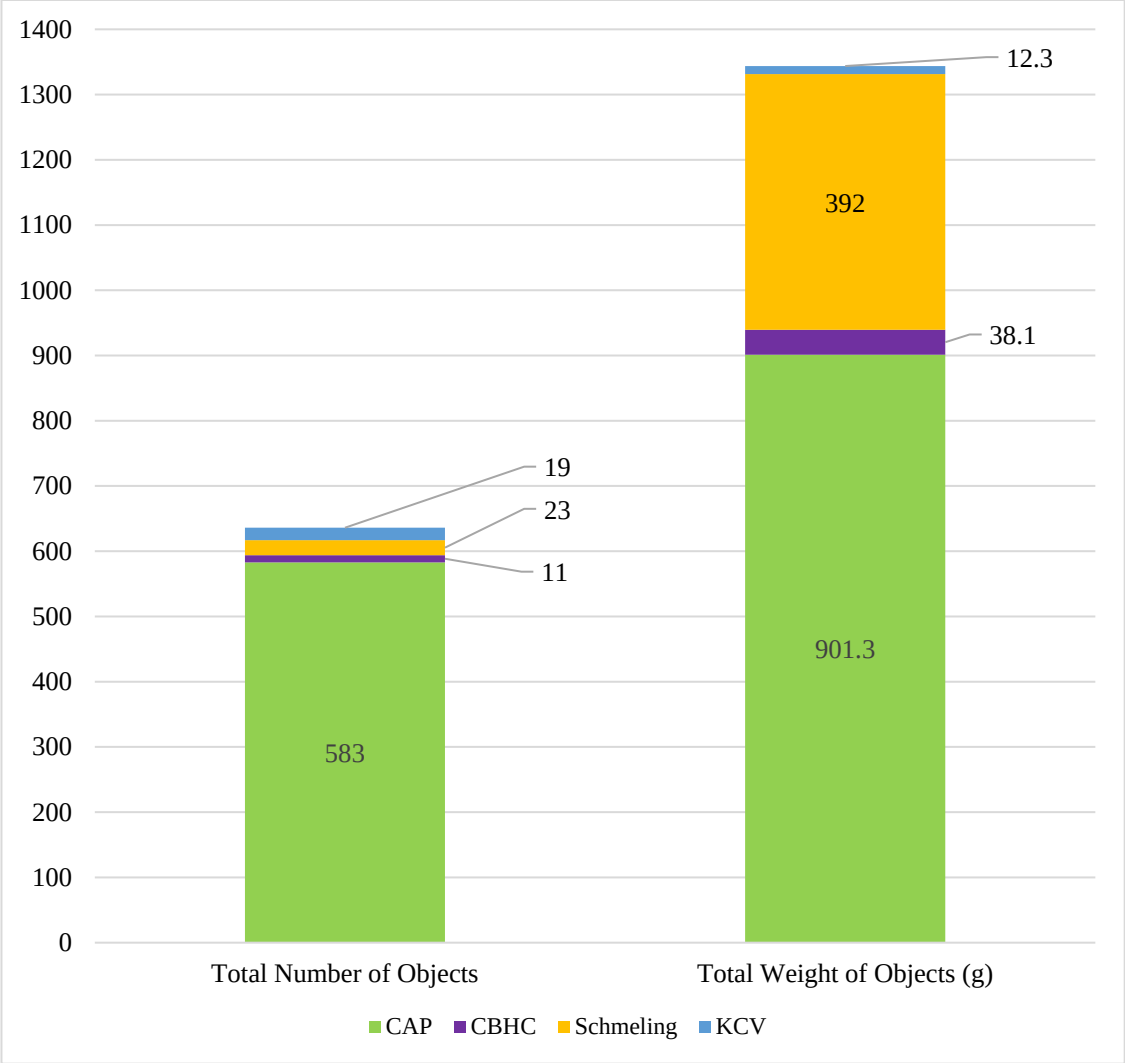
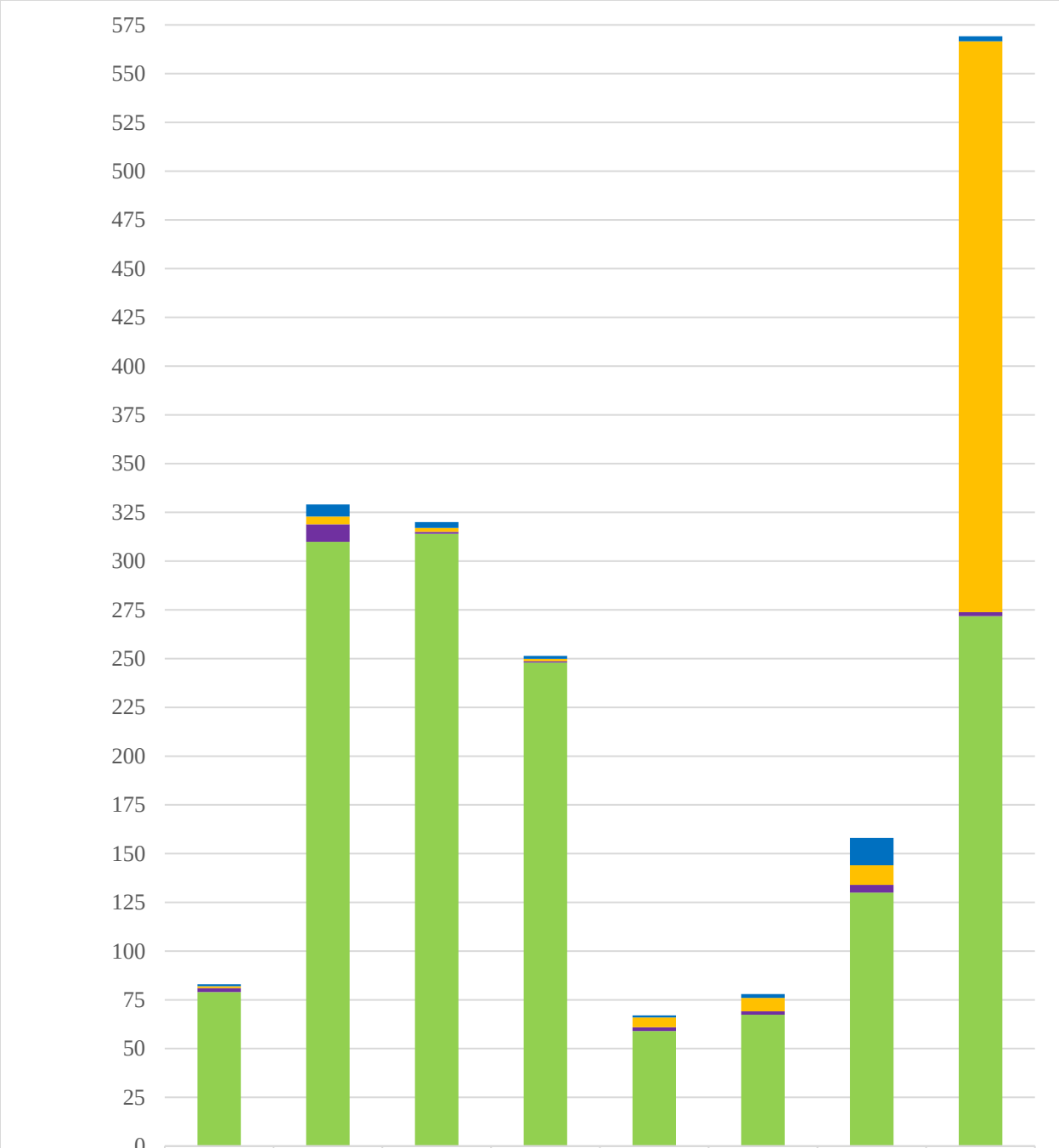


Figure 3. Comparing copper distribution by site.

copper was recovered by UWM field schools at the Schmeling site (Foley Winkler 2006, 2008). Conversely, the CAP copper artifacts are the result of decades of metal detecting by Mr. Jim Bussey. Despite this difference in recovery method, the immense discrepancy in copper density between the sites warrants a closer look.

A significant piece of partially-worked native copper at Schmeling, weighing 275.0 grams, implies that this material was distributed in large, semi-processed segments that were later manufactured into numerous individual objects. Considering the average weight of items in the study collections, 2.1 grams, this flattened, irregular piece could have provided enough



	Number of Awls	Weight of Awls (g)	Number of Beads	Weight of Beads (g)	Number of Pendants	Weight of Pendants (g)	Number of Fragments	Weight of Fragments (g)
KCV	1	6.2	3	1.5	1	2	14	2.6
Schmeling	1	4	2	1.2	5	6.9	10	292.8
CBHC	2	9	1	0.7	2	1.7	4	2
CAP	79	309.9	314	248	59	67.4	130	271.8

Figure 4. Comparing artifact type densities by site.

copper for roughly 131 artifacts of average size, increasing the total number of Schmeling copper artifacts by almost seven times.

The majority of the artifacts in the study collections have very limited provenience. The copper from the Bussey and Schmeling collections originates from private collections and has no contextual information except for a general site location. Conversely, artifacts recovered from CBHC and KCV were excavated by UWM field schools, and their context was fully documented during excavation (Table 1). These objects were primarily found in utilitarian contexts, such as in refuse pits among animal bone and ash. However, some human remains have been found within wild rice threshing pits that were later used for refuse. One of these pits yielded a copper bead recovered in a lower zone and a human maxilla and bear canine in an upper zone. While this pit does not appear to be a formal burial, as only one human bone was placed within this context, the presence of the copper bead, human maxilla, and bear canine in this provenience suggests that these pits may have been more than strictly utilitarian. The possible fish hook from CBHC was found within a hearth, and six fragments were found among the fill of a wild rice threshing pit turned refuse pit at KCV. One fragment was uncovered from a large partially excavated circular feature of unknown function during the 2014 season at KCV. These depositional contexts; refuse pits, a fire hearth, and a post hole; suggest that the associated copper was used for daily tasks within households. Additional excavations at CAP and Schmeling may reveal additional copper in similar domestic contexts. None of the formal human and dog burials found at CBHC, Schmeling, or KCV included copper burial goods (Foley Winkler 2011; R. Jeske 2016, personal communication).

Table 1: Context of copper from CBHC and KCV.

Site, Field Season	Provenience	Interpretation of Context	Copper Recovered
CBHC, 1968	Plow Zone	Plow Zone	1 serpentine pendant 1 fragment
CBHC, 1998	Unit 98-07, Level 00	Semi-conical pit	1 bead
CBHC, 2000	Unit 00-05, Level 01		1 fragment
CBHC, 2002	Feature 02-10	Possible refuse pit	1 adze
	Feature 02-25	Fire Hearth	1 fragment
	T7-P7		1 fragment
	Unit 02-05, Feature 02-32, Heavy fraction	Posthole	1 awl 1 fragment
CBHC, 2004	West block, Feature Trench Fill 04-27, Level 02	Shallow pit feature possibly related to house floor nearby	1 fragment
CBHC, 2010	Feature 10-19, Unit 10-10, Heavy fraction	Pit feature	1 awl
KCV, 2012	Unit 12-01,02,03,04, Feature Fill 12-01, Zone E	Wild rice threshing pit – First fill of feature dense with faunal bone	1 fragment
	Unit 12-01,02,03,04, Feature Fill 12-01, Zone H, Heavy Fraction	Wild rice threshing pit – Rodent Run	2 fragments
	Feature Fill 12-01, Zone I, Heavy Fraction	Wild rice threshing pit – Fill with fish bone	3 fragments
	Unit 12-01,02,03,04, Level 02, Feature Fill 12-01, Level 01, Zone P	Wild rice threshing pit – Plow fill	2 beads 1 pendant 1 fragment
	Unit 12-01,02,03,04,05,06, Feature Fill 12-06, Zone A2	Wild rice threshing pit turned refuse pit	1 fragment
	Feature Fill 12-06, Zone O, Heavy Fraction	Lens with fish bone and scales	2 fragments
KCV, 2014	Unit 14-02, Level 04, Feature Fill 14-02, Zone A	Wild rice threshing pit turned refuse pit. Human maxilla and bear canine found in upper portion of feature	1 bead
	Unit 14-05, Level 01, Area C and G	Plow zone	1 awl
	Unit 14-01, Feature Fill 14-18, Zone C	Ash lens	1 fragment
	Unit 14-01-02, Feature Trench Fill-05	Small circular feature, possibly a refuse pit	1 fragment
	Unit 14-01, Level 02, Feature Trench Fill 14-18	Pit feature that is roughly circular, possibly a refuse pit	2 fragments

Manufacturing

Dolfini (2010) distinguished damage on copper artifacts caused by manufacture from that originating from deposition in her investigation of casted copper-based Italian artifacts of the Copper Age (3600 to 2200 cal. B.C.) (Table 2). This differentiation between manufacturing and use-wear acted as a guideline for observing wear on the surface of the Lake Koshkonong Oneota copper. Strict adherence to Dolfini's (2010) scheme was not possible, since varying manufacturing methods were employed to create casted copper-based artifacts and hammered

Table 2: Designations of wear on Copper Age Italian copper-based artifacts (Dolfini 2011:Table 1).

Traces	Features recorded
Manufacturing traces	
Hammering marks	Hammering facets. *On axes*: thickened or raised flanges
Grinding and polishing marks	Pattern of scratches from butt/heel to cutting edge/point. *On axes:* pattern of scratches parallel to cutting edge
Others	Rough surface; casting seams. *On axes:* shrunk butt; concave sides; bevel near the cutting edge
Wear traces	
Cutting edge bluntness	Blunted, bent or flattened cutting edge
Striations	Scratches and scrapes on the cutting edge. *On axes:* scratches extending less than 2cm back from the cutting edge
Sharpening traces	Tight patterns of short scratches on the cutting edge; crisp cutting edge; size reduction
Asymmetry	Asymmetrical tool or cutting edge
Others	Hafting marks; all other marks covered by the patina
Post-depositional traces	
Post-depositional traces	Any marks going through the patina; any traces of modern inference including cleaning, resharpening, reuse and breakage

native copper objects. However, similar manufacturing and use-wear did occur on the Lake Koshkonong material.

Manufacture and use-wear were discerned in the Koshkonong collections following Dolfini's (2010) guidelines and considering previous studies of prehistoric copper manufacture of Midwestern prehistoric objects. The layered appearance and rough surfaces on the majority of artifacts, especially fragments, indicated that the piece was manufactured using cold hammering during which the native copper was continuously folded upon itself and hammered flat with episodes of annealing (Figure 5). Striations were less defined on the Koshkonong collections than they were in Dolfini's (2010) study.

In addition to cold hammering, the distinct flat and mushroomed edges of some fragments imply that they were formed either by pressing the edges against a hard surface or possibly using a mold. The flattened edges did not have an irregular surface indicating that they were hammered, and one fragment had two adjacent flattened edges with a relatively clean corner, suggesting that the piece was pressed into a mold (Figure 6). Efforts were made to

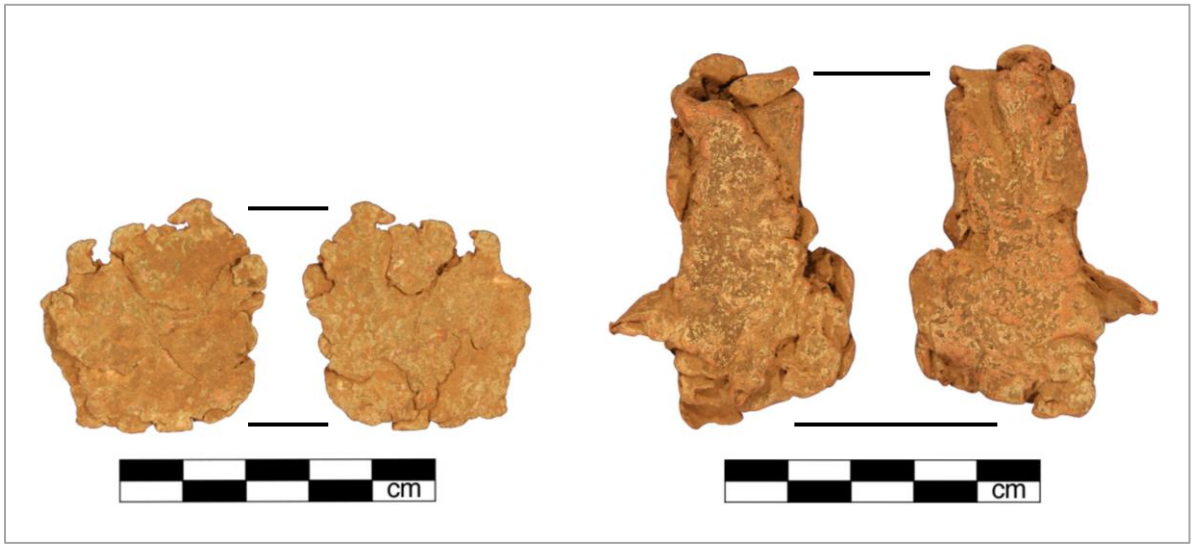


Figure 5. Fragments with layered structure and rough surface from cold hammered manufacturing.

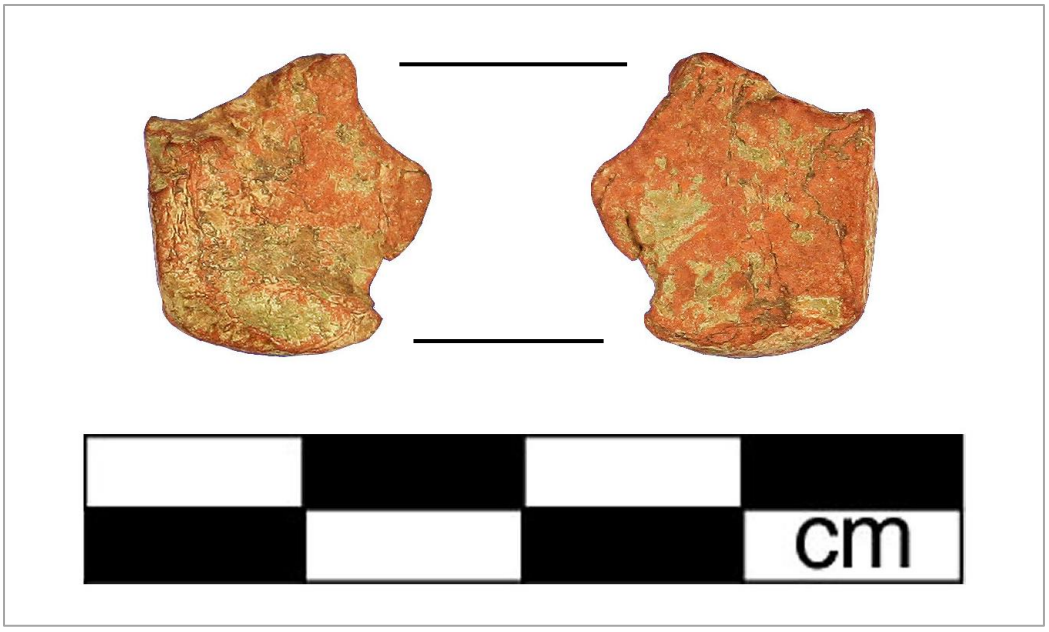


Figure 6. Fragment with possible evidence for use of molds.

discern use striations (deeper scratches occurring near edges or functional elements) versus manufacturing striations (numerous thin striations in the same direction throughout a larger portion of the object). Manufacturing striations often occurred across the entire body of beads, pendants, and the body of awls, indicating that this wear is probably a result of grinding the object into shape during manufacture or may have been unintentional wear from deposition or modern curation.

The "concave sides" that Dolfini (2010:1038) notes were present on the adzes in the collections and on many awls. This deformation may be the result of crushing pressure from cold hammering manufacture or from extensive use in prehistory. However, these concavities were often clearly defined on awls and may have been an intentional feature (Figure 7). Roughly half of the Koshkonong awls (53%, n=44) exhibited these depressions running along the center of one or more faces. The frequency of this *channeling* feature indicates that it either served a function or that it may form from a common use. Channels on copper spuds functioned as a hafting element and were attached to wooden handles in a variety of ways (Martin 1999; Roberts

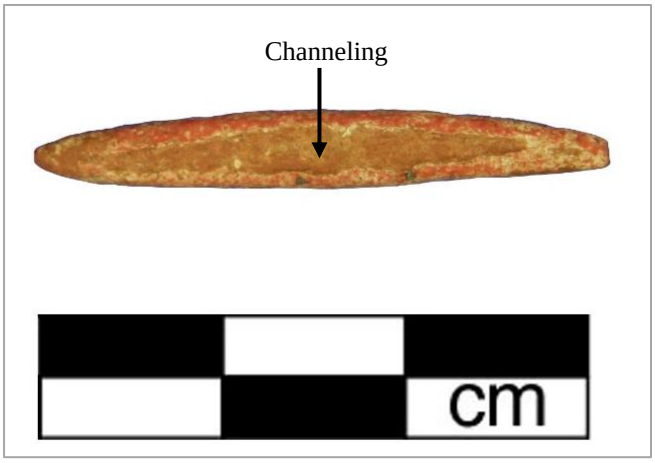


Figure 7. Channeling feature on awl body.

and Ottaway 2003). However, the channels on the Oneota awls are shallow, usually less than a millimeter, and would not have effectively held a haft in place. If this was an intentional characteristic, it may have had a function other than hafting, such as holding string or dye. The channeling could also be a byproduct of manufacture or use. A significant portion of awls, 56.6% (n=47), have square cross sections at their center that were rounded into circular cross sections toward one or both ends. Pressure on the corners of the awl's square cross section either from manufacture or use could form these channels. The frequency of this feature calls for additional experimental studies in order to demonstrate whether it is a functional element or distortion from use.

Lake Koshkonong Manufacturing Techniques

Artifacts within the Lake Koshkonong collections exhibit rough, irregular surfaces and have layered appearances, signatures of cold hammered manufacturing. Almost half of the artifacts (55.2%, n=351) possess striations on their surface from probable grinding. The cleanliness of bead, pendant, and mace edges indicate that these pieces were cut out of a

prepared blank, probably with a stone tool. Some of these cut edges were additionally thinned after cutting, as seen on the outer, convex curves of the KCV serpentine pendant.

The layered appearance of awls and their rough surfaces indicate that they were manufactured by cold hammering the copper into a rectangular or cylindrical shape at their center with each end shaped either by grounding or additional hammering. Twenty-three awls (27.7%) are rounded in cross section, whereas 60 awls (72.2%) are squared or boxy. Squared cross sections became more rounded near one or both ends of the awl, with 40% of squared awls (n=24) having transverse striations across their rounded ends. These transverse striations could indicate that the awl ends were ground into rounded shapes, although they may also be the result of use. The variations in awl shape indicates different functions or manufacturing traditions.

Thirty-nine pendants (58.2%) included features presumably designed to adhering the object onto a piece of clothing or other material. The attachment apparatus of 56.7% of pendants (n=38) involve one to four punches. Only four pendants (6%) have a rolled over, tubular end that served as an attachment feature (Figure 8). Pendants with this feature are all serpentine in shape. A claw-shaped pendant from CAP also differs from the popular punched pendants, as it has an attachment element consisting of a notch on each side of the claw's base (Figure 9). Additional studies could investigate the diagnostic potential for varying attachment elements of the pendants, like those in the Lake Koshkonong collections.

The serpentine form of the blank used to create two beads from Crabapple Point, as well as the presence of distinct punches on these objects, suggest that these artifacts were created from repurposed fragmented pendants (Figure 10). Considering the average thickness of

Figure 8. KCV serpentine pendant with rolled over attachment.

pendants, 0.8 millimeters, and the number of fragmented pendants present in the Lake Koshkonong collections, 46.3% (n=31), pendants were fragile pieces prone to breakage. The ideological and social significance of native copper among the Oneota and the amount of labor

Figure 9. Crabapple Point notched claw/talon pendant with possible notched attachment.

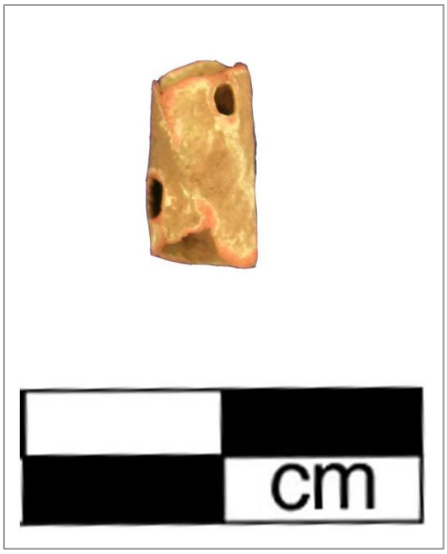


Figure 10. Bead from possibly repurposed pendant fragment.

invested in obtaining and manufacturing copper may have warranted salvage and reuse of broken pendants whenever feasible.

Evidence for Variation in Manufacturing Methods

The similarity of manufacturing marks on the majority of artifact types hindered the ability to discern specific manufacturing traditions. However, within the range of manufacturing styles for beads in the Lake Koshkonong assemblages, there appears to be two clearly variant traditions. At one end of the spectrum, beads appear to be made haphazardly, with amorphous scraps folded into boxy beads, while another subgroup was meticulously crafted with clean cut edges, aligned seams, and rounded cross sections. One characteristic appears to be an indicator of these manufacturing styles. Beads of the haphazard technique have a small, pinched corner of the interior seam that juts into the orifice of the bead, whereas those with smoothed, unpinched interiors fall into the more laborious style (Figure 11).

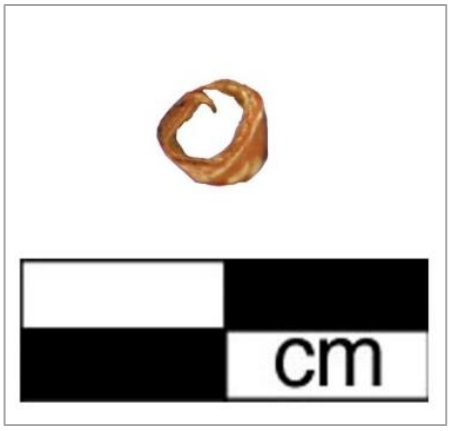


Figure 11. Example of bead with pinched interior seam feature.

Splitting the beads into those with pinched interior seams (n=41) and those with smoothed interiors (n=244) revealed significant differences in the amount of labor invested in each type. Objects were classified subjectively based on their level of manufacture: no manufacture, some modification, crude manufacture, moderately refined manufacture, or refined manufacture. These categories were not intended to reflect an evolutionary development of techniques, rather they denote the amount of time and effort invested in the object. Bead manufacture could have become more refined over time, may have deteriorated as supply increased and mass production techniques were adopted, or could show the difference between novices and talented craftspeople. Comparing beads with pinched and unpinched interiors based on their level of manufacture, it appears that those with smooth interiors are more finely made (28.7%) than those with pinched interiors (4.9%) (Figure 12). Crudely manufactured beads comprised 48.8% of pinched beads compared to 15% of the unpinched assemblage. This resource expenditure is supported with more empirical evidence including the cleanness of the bead's edges, the roundness of its cross section, its physical dimensions, and attempts to hide the outer seam edge. Methods to disguise the seam included striations across the seam, incised

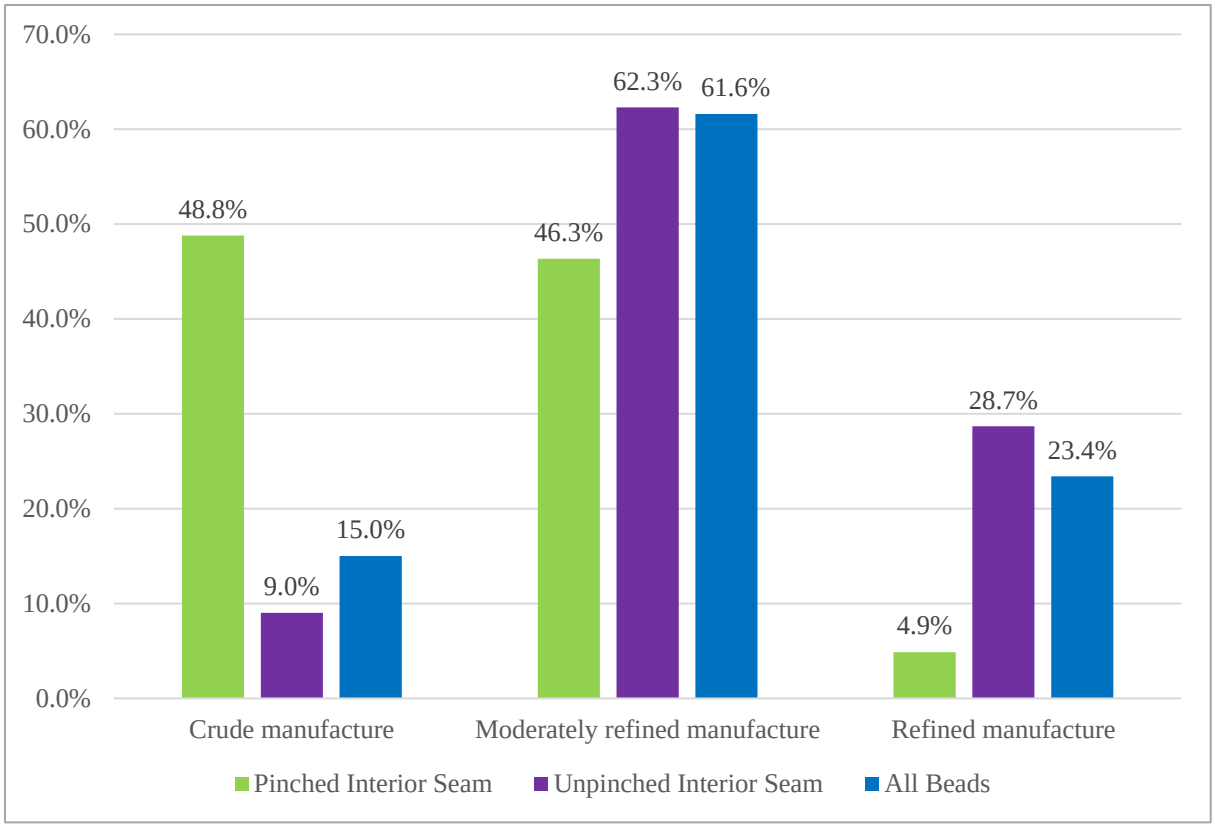


Figure 12. Level of manufacture between beads with pinched and unpinched interiors.

crimps, or adding material, possibly pitch or additional copper, over the seam and smoothing it against the body.

Whether the bead's edges were cut smoothly before or after rolling or if they were left uneven and jagged is one sign of labor investment. The care taken to thoughtfully prepare a blank into an even shape takes more planning and labor than simply flattening an amorphous blank. Pinched beads seem to have been made with less time investment, since only 41.5% of these beads (n=17) had clean edges compared to 73.8% of unpinched (n=180) (Figure 13).

The cross section of the bead is also indicative of the amount of time invested in its manufacture. While some beads are carefully rolled and rounded, others are boxy and, at times, appear to be blanks folded into triangular shapes. Comparing the proportion of rounded to boxy cross sections between the pinched and unpinched beads shows a stark contrast in the

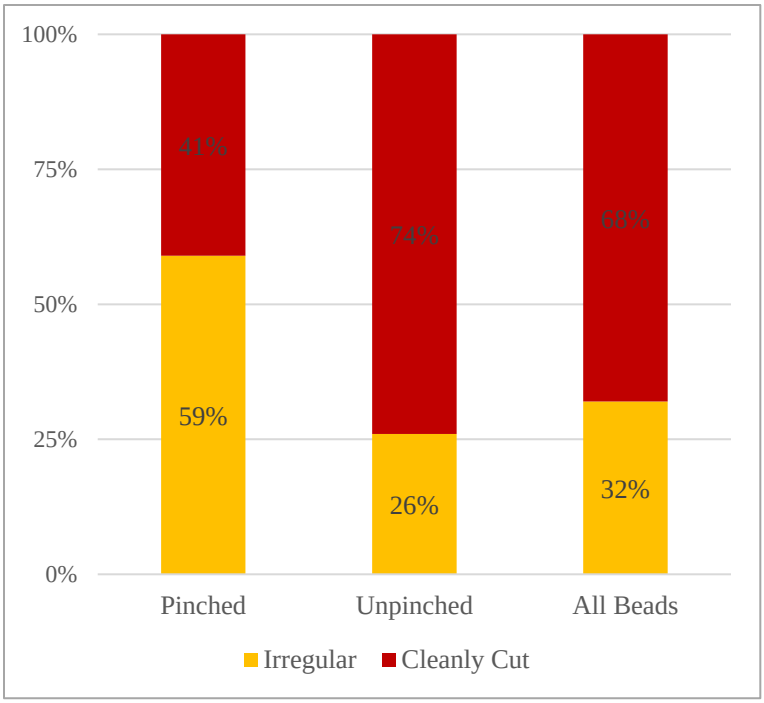


Figure 13. Shape of bead edges on pinched and unpinched beads.

manufacturing techniques used on these two groups (Figure 14). The majority of pinched beads, 70.7% (n=29), have boxy cross sections, whereas most unpinched beads, 68.4% (n=167), are rounded.

Some previous studies have suggested that a bead's size is a diagnostic characteristic (Martin 1999). Applying unpaired t tests to the bead metrics shows that variation in the length, width, and orifice size between pinched and unpinched bead groups are statistically significant. Comparing the mean measurements of these dimensions demonstrates the differences between these groups (Figure 15). Pinched beads average 14.6 millimeters in length, whereas unpinched beads averaged 10.8 millimeters. This characteristic is the most statistically significant between the groups, as it has a P value of less than 0.0001. The average pinched width and orifice diameter are slightly larger than unpinched beads. Pinched beads have an average width of 6.2 millimeters with an average orifice of 3.9 millimeters, whereas unpinched beads average 5.8

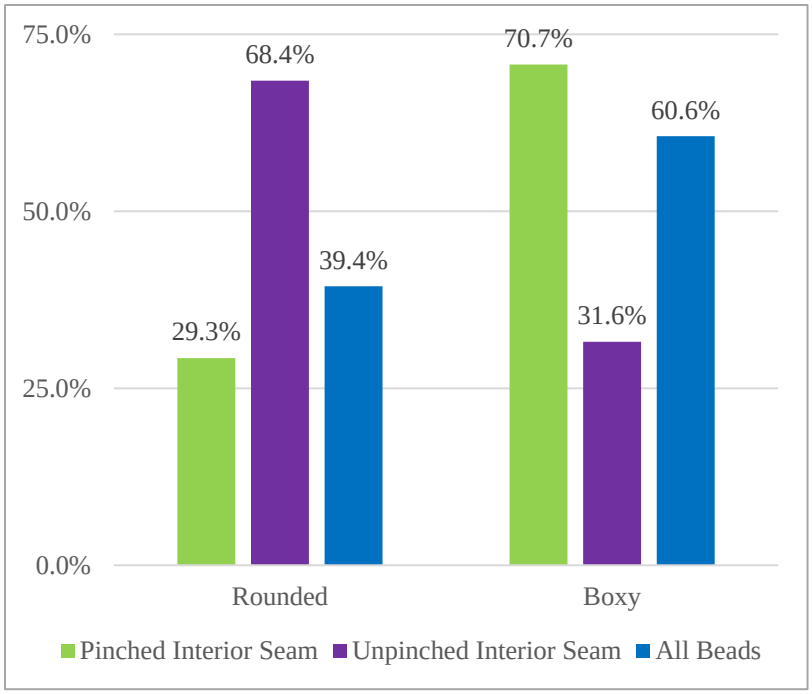


Figure 14. Comparing bead cross sections between pinched and unpinched groups.

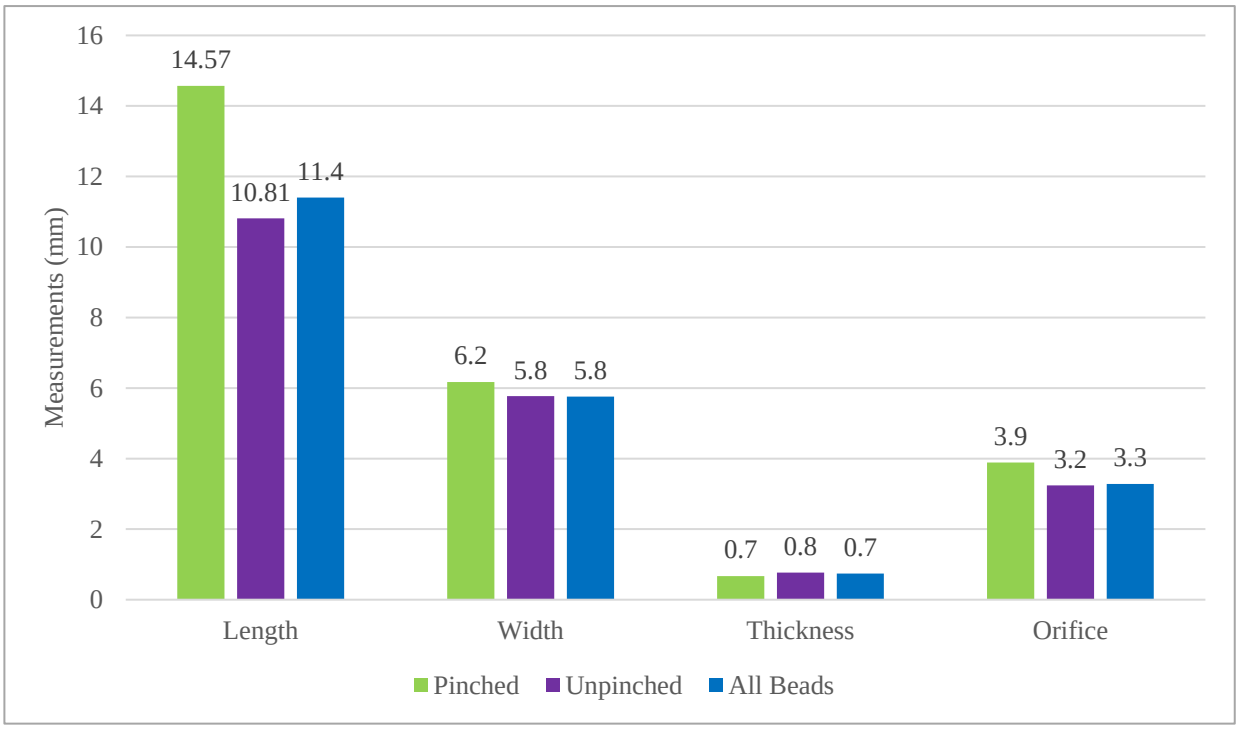


Figure 15. Comparing bead measurement averages between pinched and unpinched beads.

millimeters in width and 3.3 millimeters in orifice, roughly a 2.5 millimeter difference between the styles. These metrics are also statistically significant through unpaired t tests, as width and orifice comparisons between pinched and unpinched groups had a P value of 0.0498 and 0.001 respectively. The variation in this measurement is especially significant since it has the potential to indicate how the bead was formed. While larger, pinched beads could have been rolled by hand, smaller, unpinched beads may have required a mandrel to form tighter orifices (Ehrhardt 2009). Unlike the other measurements collected from beads in this assemblage, differences in the thickness of these objects did not seem to be statistically significant. The average bead thickness is 0.7 millimeters for pinched beads and 0.8 for unpinched, which translated to a P value of 0.0767.

While observing the 320 beads, difference in the treatment of seams became more apparent. Many beads showed that various techniques were implemented in an attempt to disguise the seam (Figure 16). Striations or incised crimps traversing the seam were often employed to tightly close and smooth this element. The most intricate technique observed among the Lake Koshkonong assemblages involved adding unidentifiable material next to the seam edge of the rolled over side and on top of the rolled under side. This material was smoothed into the body of the bead, sometimes hiding the seam entirely. This material ranges in color, and could possibly be black pitch or additional copper that has corroded into a teal color. Observing this technique in pinched and unpinched beads, only 7% (n=3) of the pinched beads have this added material, whereas 28.7% (n=70) of the unpinched beads showed signs of this technique. All pinched beads have intact seams and only two beads among the 320 had separated seams. Therefore, the added care invested in hiding seams through various methods was probably not for functional purposes since beads created with less labor did not frequently break or fall off

Figure 16. Beads with disguised seams.

garments/necklaces. If this laborious practice was not for functional purposes, it could indicate that, at some point in time or to some individuals among these Oneota groups, having a smoothed, apparently seamless bead was aesthetically pleasing and worth the added time investment. The precision of this manufacturing technique could indicate the ideological or social value of these adornments.

These two manufacturing styles indicate a variation in production strategies during the occupation of the Koshkonong sites. Pinched beads commonly exhibit irregular edges and boxy cross sections, are longer, wider, and thinner, and have a larger orifice. Unpinched beads show opposite characteristics. They mostly have clean edges and rounded cross sections, are shorter, less wide, and thicker, have smaller orifices, and about one-third show efforts to hide the seam (Table 3). Martin (1999:233) suggests that "[b]eads were produced from small prepared blanks or strips, which were then squeezed or tapped around a circular form to shape the bead. Others

Table 3: Variation in manufacturing time investment and physical dimensions between pinched and unpinched beads.

Characteristic	Pinched Beads (n=41)	Unpinched Beads (n=244)
Clean-Cut Edges	41.5% (n=17)	73.8% (n=180)
Rounded Cross Section	29.3% (n=12)	68.4% (n=167)
Attempts to Disguise Seam	7% (n=3)	28.7% (n=70)
Average Length (cm)	14.57	10.81
Average Width (cm)	6.17	5.77
Average Thickness (cm)	0.67	0.77
Average Orifice (cm)	3.89	3.24

were probably made round in a freehand method." The pinched beads may have been quickly made by holding one corner of a prepared blank and rolling or folding it by hand, whereas the finer unpinched beads could have been made on a mandrel, which would have allowed for smaller orifices, rounder cross sections, and intricate seam work.

Comparing the interior treatment of beads across the Lake Koshkonong sites is limited due to the small number of beads originating from CBHC (n=1), KCV (n=3), and Schmeling (n=2). The interior seam of 11.25% (n=36) of the entire bead collection could not be observed either because of their form or extensive damage. These indeterminate beads include the only CBHC bead and one of the three KCV beads. Of this limited comparative data, 66.6% of the KCV beads have an observable pinched interior, whereas 76.8% of CAP beads (n=242) and all of beads from Schmeling have smooth interiors. Again, the few recovered beads from three of the four study sites inhibits the ability to draw definitive conclusions about differential manufacturing traditions between the sites. From the data present, it can be hypothesized that KCV subscribed to the more haphazard manufacturing tradition, which may originate from an earlier time or from less skilled craftspeople, whereas most CAP and Schmeling beads required more intensive labor. This discrepancy could suggest that these beads originate from different

points in time or were created by individuals from different households employing varying manufacturing strategies. Similarities between CAP and Schmeling beads also indicate that these sites may have had closer economic ties than they did with KCV, which is expected as KCV is farther inland and somewhat segregated from CAP and Schmeling. While the small sample size limits the reliability of this comparison, future studies of bead manufacturing could determine which manufacturing style was prevalent during specific time periods or at individual sites or regions.

Observations of manufacturing techniques across Oneota bead assemblages indicate differing production strategies across time or between individual producers. Whether the pinched and unpinched groupings are indicative of manufacturing traditions requires additional investigation and cross comparisons. Experimental studies could also reveal the manufacturing techniques used to create Oneota beads, especially those with a pinched interior seam corner.

Function

Determining use-wear on the copper artifacts of the Lake Koshkonong collections was also guided by Dolfini's (2010) distinctions, as well as Sievert Hohol's (1984a, 1984b) study of Old Copper awls. Bluntness, evidence for sharpening, bending, cracks, splaying, and striations probably not from manufacture were noted as use-wear. Following the suggestions of earlier use-wear studies, wear found on top of the artifact's patina was assumed to be from modern curation and handling (Dolfini 2011; Sievert Hohol 1984a, 1984b).

Beads and pendants in the Lake Koshkonong collections show some wear, indicating that they were worn or used. Of 320 beads and 67 pendants, 67.8% of beads (n=217) and 73.1% of pendants (n=49) have edges with nicks or other light wear, and four beads (1.3%) and 36

pendants (53.7%) are broken. The thinness of these objects, an average of 0.7 millimeters for beads and 0.8 millimeters for pendants, also make them prone to damage during use and after deposition.

The mace found at the Schmeling site also shows sign of use (Figure 27). The tip of the tapered end is slightly splayed and one corner of the flared edge is bent. A significant dent in the center of the flared edge and perpendicular striations and incisions indicate that this end may have been used for some light work. Smoothing and patina along the curvilinear sides also suggest that this object was extensively held. The wear on the mace demonstrates that this object was created for some sort of technical purpose and not strictly for political or ritual use.

Two adzes were found at the Lake Koshkonong sites, one from Schmeling and one from CBHC (Figure 17). Both edges of the two adzes show signs of wear. Squared ends bear evidence for battering including cracked and splayed portions and U-shaped dents with accompanying ripples. The ends of these adzes that are slightly thinned to a point exhibit polish. In addition to this end damage, the Schmeling adze has incised decorations on its body along with deep incisions roughly ten millimeters from its thinned edge and running perpendicularly. It is unclear if these incisions are from intense lateral movements or if they are intentional decorative or functional inclusions. Unlike the Schmeling adze, the center of the CBHC adze shows a diagonal impression and polish running across the body of the adze that is mirrored on each side. This wear could indicate that the CBHC adze was diagonally affixed to a haft, though the function of the adze in this position is currently unknown.

Figure 17. The Schmeling adze (left) and the CBHC adze (right).

Awl Use

The assortment of awls exhibits the most observable variation in wear. Previous studies indicate that Archaic awls were used for "prying, drilling, chipping, and punching" (Martin 1999:229). While Archaic awls differ from Oneota by roughly 2,000 years, the majority of use-wear present on Oneota awls indicates that they were possibly used for similar purposes. Sharp bends near the center of 16.9% of awls (n=14) suggest they were used for prying since the center of the awl would have been stressed as the fulcrum if the awl was used as a lever. Transverse striations on 49.4% (n=41) of awl ends indicate a possible drilling function, whereas 45.8% (n=38) with nicks and cracks at their end may indicate chipping, and 12% of the Koshkonong awls (n=10) had s-bends nearer to one end suggesting their use for punching (Figure 18). The

Figure 18. Examples of the range of use-wear on Lake Koshkonong awls.

majority of awls (84.3%, n=70) were probably multifunctional since both ends exhibit use-wear. The range of form and use-wear hint at a possible underlying functional typology that could be developed for Oneota awls through the accumulation of comparative data from other sites and ethnographic accounts.

Twenty-one awls included a thinner, flattened end. Nine of these awl ends (42.9%) exhibited nicks, polish, and perpendicular striations or incisions, which indicate a scraping function where the awl was pushed forward across a surface. Among awls of this type exhibiting this wear was a finely made awl with a clearly defined edge, shaped like a celt (Figure 19). In addition to possible scraping functions, six of these awls (28.6%) had striations or incisions running parallel to its edge implying use in a lateral motion. The specific task requiring lateral

Figure 19. Examples of use-wear on flattened, rounded awl ends.

movement of these flattened edges is currently unknown, but could have involved grinding pigments or scoring ceramics.

While previous studies have relied on the length of awls to distinguish function, the Lake Koshkonong collections do not always support this theory (Martin 1999). Similar forms with like damage are seen in varying sizes. For example, the awls shown in Figure 20 vary considerably in length, but have analogous shapes and use-wear. Large discrepancies in length could point to varying technical utility; however, more intensive use-wear analysis and typographical studies should be conducted to test these presumed functional types.

Figure 20. Awls of varying sizes with similar shape and wear.

Awl Hafting

While copper awls have been found in wooden and bone handles within Midwestern archaeological contexts, the frequency and method of hafting is currently unknown. Brose (1970) previously suggested that awls were driven into the handle. Future experimental studies could specifically identify whether awls were hammered, pushed, or twisted into a handle by the damage that these processes inflict.

Ten awls (12%) within the Koshkonong collections have blunt, cylindrical ends conducive to hafting. Three awl ends with this shape exhibited polish, a possible byproduct from the awl rubbing against the haft during use. Transverse or diagonal striations also occur on four blunted awl ends, which indicate that they may have been twisted into their hafts (Figure 21). In

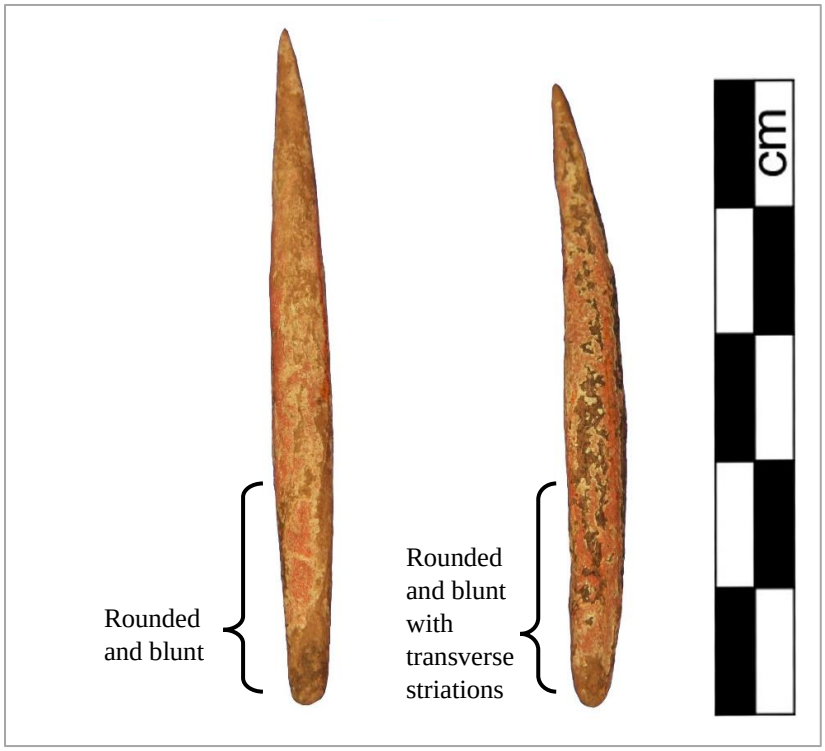


Figure 21. Blunt, rounded awl ends conducive to hafting.

one instance, an awl with a rounded, blunt end included a concretion that appears to be a type of adhesive used to secure the piece within a haft.

Penman (1977) argued that the wide center of numerous awl types could have been intended to hold the awl firmly in the haft. This strategy would leave focused use-wear at the center of the awl's length. The copper awl and beaver tooth composite tool found at the Riverside site (20ME1) during the 1960s, also indicates that a wider center could have been useful in hafting strategies (Hruska 1967; Martin 1999; Figure 22). Martin (1999:233) describes this hafting technique:

> The haft was basically a handle with a cut out slot, with a deeper cut at the end of the slot proximal to the butt of the handle, which accommodated a ninety degree bend in the end of the awl. This hook shape end held the awl in place and prevented it from being

dislodged during use. The awl was pressed or driven into the slot, then the hollowed area was filled with a corresponding block of wood, glued and wrapped with rawhide.

Martin (1999) suggests that the 90-degree bend in the Riverside awl is an intentional feature to hold the awl in place, and that this feature is relatively common on Archaic awls. However, this distortion may also be an unintentional feature created when the awl shifts further into the shaft by a strong downward force, which is common in punching or drilling functions.

While none of the awls in the Koshkonong collection include an end with a 90-degree bend, 32.5% (n=27), almost one-third, showed a concentration of striations or polish at their longitudinal center. If these awls were hafted, these data support Penman's (1977) assertion that the central width of copper awls functioned to hold the tool in place within the handle. The prevalence of this central wear also could indicate a hafting technique similar to that found at Riverside, where a block of wood secured the awl in place. Shifting of the awl against this block during use would have created the concentration of central wear found on these Koshkonong awls. In addition to wear at their center, roughly three-quarters of these awls showed use-wear on both ends (74.1%, n=20), which included transverse striations, cracks, bends, and nicks. The interior end of hafted awls could obtain wear from the hafting process or by slight movements inside of the handle. Additionally, temporary hafting could be achieved with this method if a

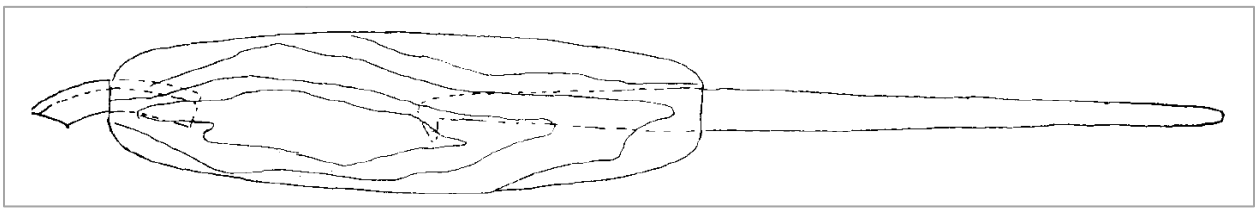


Figure 22. Dual beaver tooth and copper tool from the Riverside site (Hruska 1967: Figure 62).

wooden shim was used without adhesive. This temporary haft would allow the user to rotate the copper insert and utilize both ends.

The use-wear on the copper of the Lake Koshkonong sites affirms many previous assumptions about their function, though more experimental work will be needed to identify the specific activities for which these tools were used. The small number of awls present at CBHC (n=2), KCV (n=1), and Schmeling (n=1) compared to the 79 awls found at CAP may also indicate that, although these artifacts were utilitarian, they were either used for only a specific activity or by certain individuals. The frequency of awls found at CAP could indicate that this special function was performed more frequently at CAP or that more individuals residing there had the ability to participate in this activity. The amount of copper present at CAP may also indicate these awls were used for copper manufacturing.

Ornamentation and Decoration

The profusion of copper personal adornments within the Koshkonong collections, 60.8% of the assemblages or 387 individual pieces, and the mythological symbols incorporated in pendants demonstrates a desire for individuals to personally associate themselves with this material. Considering the significance of symbols to the Oneota and Middle Mississippian world view and ethnographic accounts of leaders identified with copper ornamentation, the personal adornments recovered from the Lake Koshkonong sites probably had ideological and social functions among the Oneota societies of the area (Benn, 1989; Trevelyan 2004). When worn, these decorative pieces would recall powerful mythological entities and associate these beings with its wearer. This function follows the definition of ideological objects previously in this thesis. However, the small amount of copper found in burials questions this ideological function

(Foley Winkler 2011). Since Oneota burials rarely include burial goods, the relative absence of copper is not entirely surprising (Foley Winkler 2011). These items may also have been handed down as heirlooms instead of being interred with the deceased.

Decorations on these pieces consist of incisions created with a tool possibly made of stone, bone, or copper. This incising is often thin and somewhat shallow, but is visibly distinct from the lighter striations occurring on the surface. Ornamental etchings appear on a variety of copper items within the Koshkonong collections. The copper mace, the adze from the Schmeling site, and 21 pendants (32.3%) are decorated with incising. Additionally, 22.5% of beads (n=73) are incised, including one with a clear curvilinear design (Figure 23). A popular design on these copper materials is a crosshatched motif, which appears on seven beads, 16 pendants, one adze, and the Schmeling mace.

Figure 23. Bead with incised swirl design.

The Incised Pendant of Crabapple Point

One circular pendant in the CAP assemblage included elaborate iconographic designs. Fifteen carefully incised crosshatched triangles border the pendant, and more imprecise incisions appear at its center (Figure 24). These central incisions possibly include a horned figure with two eyes, rays radiating out from the triangular border, a more significant triangular shape near the bottom of the pendant, and erratic incisions. Interpretations of these incisions are difficult, especially because of their uniqueness in the currently known Oneota iconographic repertoire. The border of 15 crosshatched triangles may represent specific geographic locations, events in time, or regional tribes, or they may be a symbolic representation of an inanimate object, such as a net (Figure 25; Lothson 1976). Similar incised triangular borders have also been observed on SECC plate rims (Figure 25, Smith et al. 2004). The cleanliness of this border seems disjointed from the inner incisions, possibly indicating that these were inscribed at different times. A portion of the inner designs slightly resembles possible Red Horn depictions found on petroglyphs at the Harvey Rock Shelter in Minnesota and at the Late Prehistoric Indian Cave site (13AM84) in Allamakee County, Iowa (Benn 1995; L. Stanley 1993; Lothson 1976; Winchell 1911; Figure 26). Red Horn, or He-Who-Wears-Human-Heads-As-Earrings, appears in rock art as early as A.D. 900-1000 and persists into historic Native American ideology (Benn 1995). The presence of this shared iconographic symbol across numerous geographic localities suggests that these regional groups possibly shared ideologies or group identities and were in contact with one another during the Late Prehistoric period.

Figure 24. Incised pendant from Crabapple Point and line drawing of incised design visible on one side of the pendant.

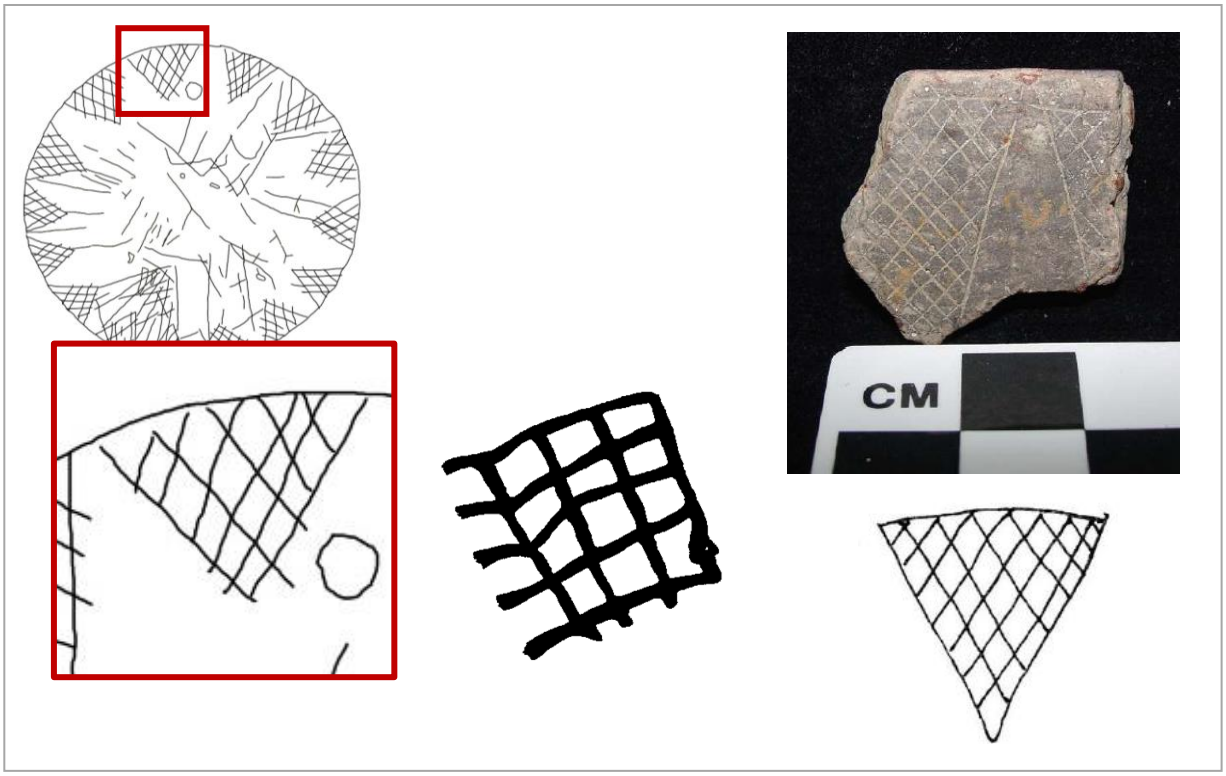


Figure 25. Crabapple Point pendant border element with net figure from the Jeffers Petroglyph site in Minnesota (center) and SECC ceramic decorations from Tennessee (right) (Lothson 1976:Figure 30; Smith et al. 2004:Figures 7 and 8).

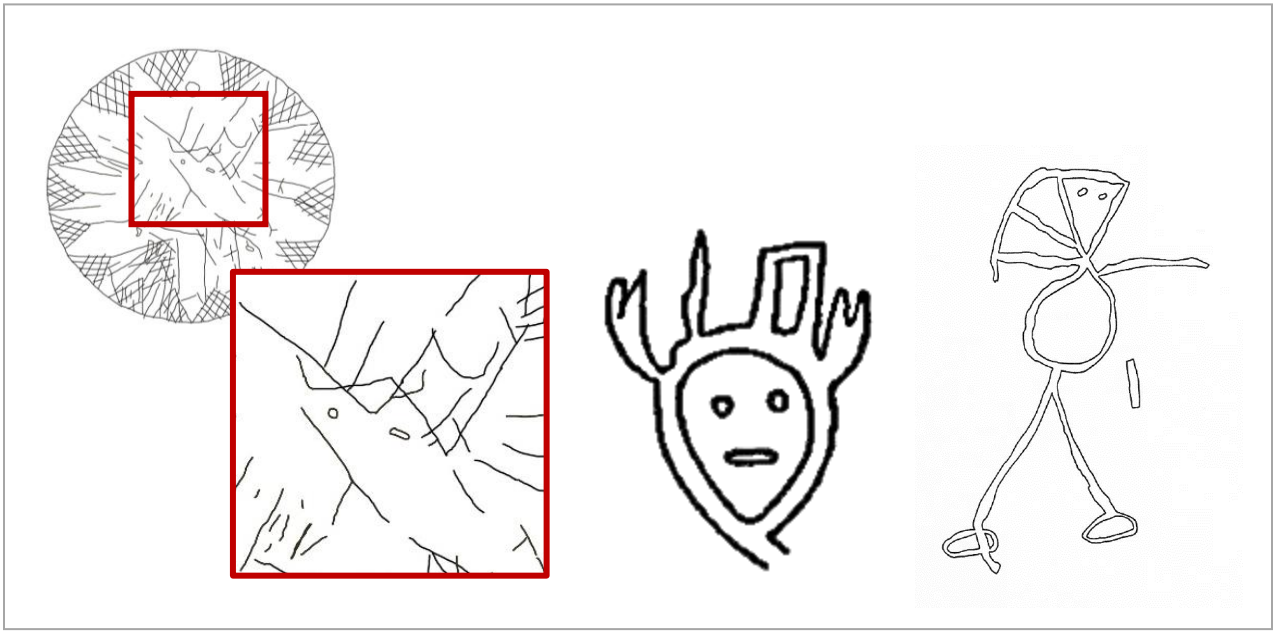


Figure 26. Crabapple Point pendant central incisions and potential Red Horn figures found at Harvey Rock Shelter in Minnesota and Indian Cave in Iowa (Benn 1989, 1999; Lothson 1976:Figure 43; D. Stanley 1993:Figure B20; Winchell 1911: Plate 11).

Maces at Lake Koshkonong

Among the copper recovered from the Schmeling site is an item similar to those classified as maces (Figure 27). It is a sizable copper object measuring 61.5 by 28.8 millimeters and weighing 11.4 grams. The surface of the Schmeling mace has crosshatched designs incised across the body on both sides and could indicate that this piece had an ideological function, though slight damage along its wider edge and thick polish covering the majority of the object may suggest additional technical uses.

The shape of this mace differs from other mace pendants found at the site, as it does not have smaller, clearly defined side points (Giles and Knapp 2015). Mace symbols are common throughout Eastern Woodlands ideology. Hall (1997) describes the reoccurrence of this symbol in prehistoric groups, such as the Oneota, and historic tribes, as well as the power behind this symbol and its links to prestige within a community. He indicates that the mace symbol "was a

Figure 27. The Schmeling mace.

relic of the form of the twin-fingerloop atlatl, and the atlatl itself was a cosmic symbol that symbolized the earth and the path of the sun across the earth" (Hall 1997:112). Additionally, he mentions that the mace symbol was used among female members of "a society of honorary chieftainship" among the Omaha tribe to denote members who have achieved numerous honorary achievements (Hall 1997:111). After a woman completed 100 honorary tasks of charitable and moral deeds, that they were allowed to dance at the meetings of this special chiefly group, which symbolized feminine force and the Night (Hall 1997).

Mace symbols are also one of the definitive icons of Middle Mississippian ideology. This symbol is considered to hold great ideological significance, which some attribute to an affiliation with the sun or the sacred fire and its frequent combination of upper- and lower-world attributes (Cobb and Giles 2009; Giles and Knapp 2015:83; Van Horne 1993). Researchers have also suggested that this symbol was an icon associated with a specific high-ranking military role (Giles and Knapp 2015; Jolly and Scriver 1974).

The Schmeling mace has a form similar to Type I in Brown's (1996) typology of Mississippian maces. This mace type has a wide, semicircular crown, rounded side points, and a long shaft (Figure 28). Giles and Knapp (2015) recently used this typology to classify a chert mace originating from Nichols, New York, and determined that their mace conformed to Brown's (1996) Type I. Utilizing radiocarbon dates from sites providing Type I maces, Giles and Knapp (2015) concluded that the Nichols mace and others of this type were manufactured between A.D. 1200 and 1400. This temporal range provides a reasonable date for the Schmeling mace, since it coincides with the Oneota occupation of the Lake Koshkonong region.

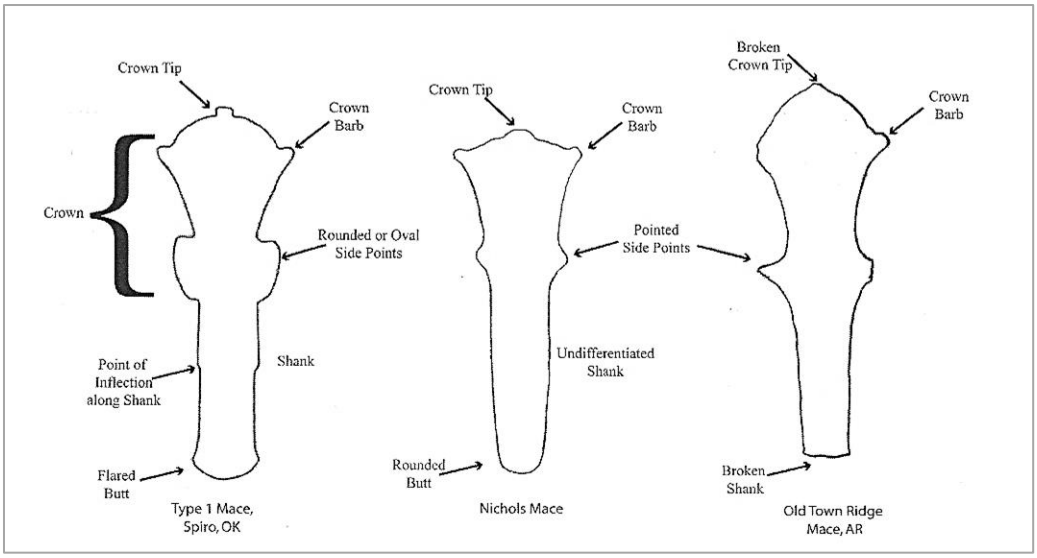


Figure 28. Mace anatomy (Giles and Knapp 2015:Figure 7).

The eight mace pendants recovered from CAP also fit a Type I classification (Figure 29). These pendants match the description of *copper symbol badges* that Waring and Holder (1945) mention in their inventory of artifacts from various Mississippian sites, including Etowah, Moundville, and Spiro. They describe these badges as "small, sheet-copper bangles pierced for suspension" (Waring and Holder 1945:9). Hill (1962:144) mentioned the presence of these mace-shaped ornaments at Oneota sites of Wisconsin, especially those of the Grand River Focus, and dates their presence in Wisconsin to roughly A.D. 1250. The proliferation of mace symbol badges at Moundville led Webb and DeJarnette (1942) to suggest that this site manufactured and traded them throughout the Eastern Woodlands, although their data predates the recovery of numerous badges throughout the eastern United States.

The manner in which these symbols developed in the ideological vernacular of the Koshkonong Oneota is unknown. The presence of the mace symbol at the Schmeling site and additional Type I maces within the pendant assemblage of CAP could demonstrate that Oneota groups living in the Lake Koshkonong region were interacting with Middle Mississippian sites

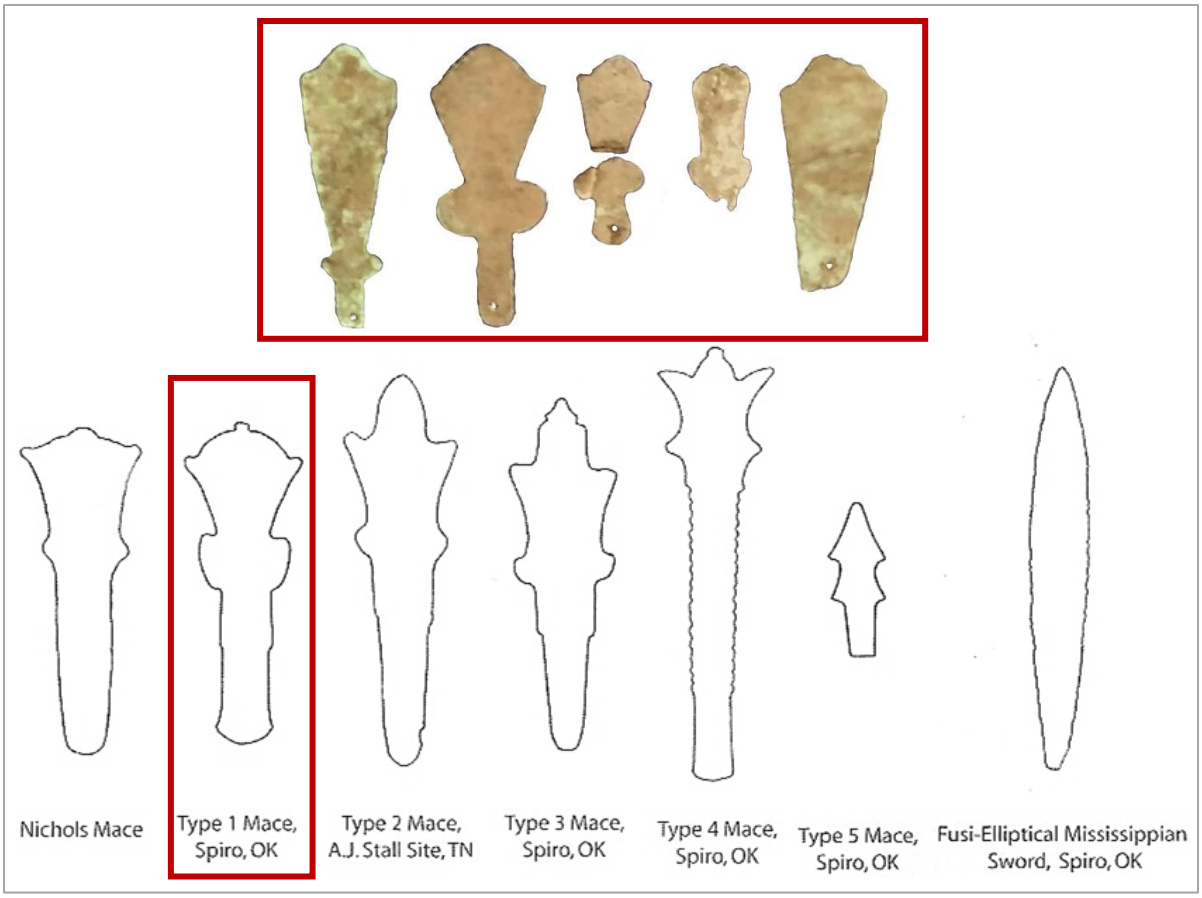


Figure 29. A selection of mace pendants from Crabapple Point with mace types (Giles and Knapp 2015:Figure 6, red box and insert added)

during the time of Type I mace popularity, A.D. 1200 to 1400. It is also likely that this shared symbol indicates common ancestry between the Oneota and Middle Mississippians. These ancestral ties are supported by the belief that mace symbolism is a carryover from earlier atlatl technology, which would explain the independent development of this symbol among various groups who previously utilized atlatls (Hall 1997). It is also possible that the mace originates with either the Oneota or Mississippians and was disseminated to the other via an exchange of ceremonial objects between ethnic groups, since this practice was often part of political interactions (Giles and Knapp 2015). Since the mace has been argued to denote individuals in military position, mace pendants could have been captured during warfare (Giles and Knapp 2015; Jolly and Scriver 1974). Additionally, the mace symbols could support claims in the

ongoing debate of Oneota origins, which argues that the culture is an amalgamation of Middle Mississippian and Woodland cultures. However, these mace objects date to post A.D. 1200, the later portion of the Early Oneota period. Future sourcing studies could illuminate the origins of pendants bearing mace symbols, and indicate whether they these objects were created locally or if they were traded to the Koshkonong area from a Mississippian site.

Adzes

Two copper adzes appear in the Koshkonong collections, one from Schmeling and one from CBHC (Figure 17). The CBHC adze has numerous incisions on its surface. Throughout its body are crosshatched designs, and there are distinct incisions across both sides of the pointed end, roughly ten millimeters from the edge. While the crosshatching on the body of the adze appears to be a deliberate design, the intentionality of the incised end is questionable. If the incisions are a result of use, their depth and distance from the edge are a unique type of use-wear not observed on other artifacts in the collection. To achieve the depth of these incisions, the adze would need to have been intensely used in a lateral motion, which seems unlikely since the polish and asymmetry on this sharpened edge suggests a cutting or axing function. The lack of decoration on the Schmeling adze also raises questions about the specific functions and potential social or ideological roles that this object type may have held.

A Regional Identity

Similar to historic tribes of the Midwest, such as the Ho-Chunk, individual Oneota clans or regional parties may have identified with one of the cosmic realms in their dualistic ideological framework (Benn 1989; Lillie and Schermer 2015; Radin 1970 [1923]). The

pendants of the Lake Koshkonong collection have been described by others as symbol badges either worn on an article of clothing, in an individual's hair, or integrated into a headdress (Giles and Knapp 2015; Hall 1962; Jolly and Scrivner 1974, Waring and Holder 1945; Webb and DeJarnette 1942). When an article is integrated into an individual's regalia, it also becomes a part of the performance of that individual's or group's identity (Earle 1997; Hansen 2004; Inomata and Coben 2006). The frequency of personal adornments within the study collections suggests that copper was an important aspect of the regional identity of the Koshkonong Oneota.

Investigating the distribution of iconographic depictions has not been rigorously applied to Oneota copper artifacts, and the few iconographic pieces present at three of the four sites within this study allow limited local applications of this method here. However, Schneider (2015) argued that the Koshkonong locality may have identified with the upper world due to its location between two lower world localities: Grand River and Waupaca. Serpentine and triangular shapes, as well as crosshatching designs, were previously only observed on ceramics of the Waupaca and Grand River localities; however, these three symbols are present among the Koshkonong copper pendants (Schneider 2015) (Figure 30; Table 4). Claw/talon, mace, lunate, shield-like, and heartline symbols were not observed in Schneider's (2015) study. Adding the copper decorative motifs of this project to Schneider's (2012) observations increases the variation of the symbolic vernacular of the Koshkonong Oneota (Figure 31).

Schneider's (2015:337) argument that Koshkonong groups may have identified with the upper world is supported by the presence of claw/talon symbols related to the Thunderbirds of the upper world. However, the overwhelming majority of serpentine pendants and the presence of this symbol at each Koshkonong site argue for a closer affinity to the lower world, since the serpentine shape has been attributed to lower world snake deities, the copper tail of the water

Figure 30. A selection of pendants from the Jim Bussey Crabapple Point collection.

Table 4: Number of appearances of symbols found among the Lake Koshkonong Collections

Symbol	CAP	CBHC	KCV	Schmeling
Serpentine	26	2	1	2
Serpentine with bumps at end opposite attachment	2	0	0	0
Serpentine with mirrored sides (cloud-like)	4	0	0	0
Mace	8	0	0	1
Heartline	4	0	0	0
Claw/Talon	3	0	0	0
Circular	3	0	0	0
Shield-like	3	0	0	0
Lunate	1	0	0	0
Triangular	0	0	0	1
Crosshatching	23	2	0	1

panther, or could refer generally to the lower world's water spirits (Benn 1989; Ehrhardt 2009; Martin 1999; Radin 1970 [1923]; Trevelyan 2004). Though the Koshkonong groups may have associated their group identity with the lower world, the presence of upper world symbols and motifs shared with Middle Mississippian symbols indicate that their identity was fluid, and that the Oneota of southeastern Wisconsin were not secluded from other Oneota and Mississippian groups. Jeske (1998) and Peregrine (1995) suggest that the Oneota were, in fact, part of the Mississippian World System, and that they interacted with Mississippian groups on a variety of levels. These interactions included trade in utilitarian, ritual, and subsistence goods, as well as exchange of ideas, political interactions, and warfare (Emerson 1999; Gibbon 1995; Jeske 1998; Jeske et al. 2016; Karsten 2015; Peregrine 1995; Schneider 2015; Stoltman 1986; Strezewski 2006). While the Oneota cannot be described as subscribing to the exact culture and religion as Middle Mississippian groups, such as those residing at Cahokia, it is evident through these shared ideological symbols that they were connected to these groups and shared similar world views. Whether this world view originated at a Mississippian site, among Oneota groups, or was developed by earlier cultures is left to future research.

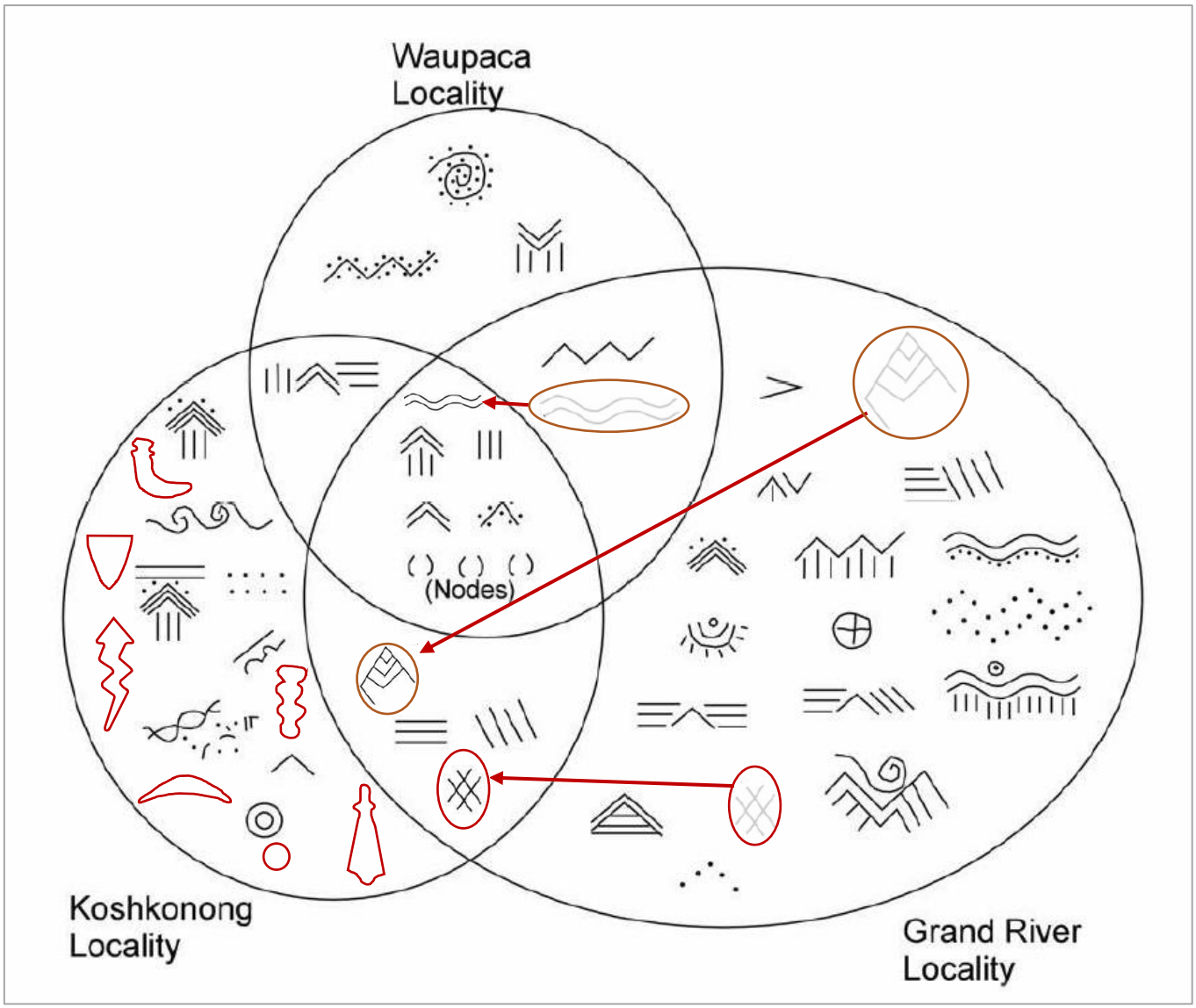


Figure 31. Using symbols present in the Koshkonong Locality copper assemblages to update Schneider's (2015:Figure 5.40, red marking and fading added) ceramic data, which compares iconography at three Oneota regions in Eastern Wisconsin.

CHAPTER 5: DISCUSSION

The analysis of the Lake Koshkonong copper collections provides insight on the four primary questions of this project that were outlined in the introductory chapter. It is worth repeating here that the various recovery methods used to collect this material (professional excavation, surface collecting by a private collector, and metal detecting) creates a sampling bias with the copper recovered from each site. While metal detecting can recover almost 100% of the copper material from the site, professional excavations only reveal a fraction of the site assemblage. A significant portion of CBHC has been surveyed and excavated, which lessens this discrepancy; however, the ability to accurately compare the collections is still hindered. For the sake of this thesis, the representativeness of these collections is compared, but the conclusions drawn from these analyses are more hypotheses than firm conclusions. Additional excavations at CBHC, KCV, and Schmeling may reveal additional copper artifacts, in which case the results of this study will need to be reassessed.

Question 1: Distribution

Are the artifact types equally present at each site? What might this imply about the social relationships between the sites?

The benefit of using copper collections from a cluster of four sites is the ability to investigate differential access to resources and to hypothesize about social interactions among these villages. The variation in copper among the sites point to possible social interactions between the Oneota groups who occupied them. Considering the large discrepancy between the Lake Koshkonong sites and the density of copper found at CAP (91.7% in number and 67.1% in weight of the total copper artifacts found among these four sites), it appears that CBHC, KVC,

and Schmeling had restricted access to copper; whereas copper was more readily available to individuals residing at CAP. Again, the variation in collection techniques must be considered in this difference. Mr. Bussey's extensive collecting with a metal detector at CAP skews this data. Despite this difference in recovery method, the large differences in copper densities between the sites warrants further discussion.

While some copper among the collections could have been obtained and manufactured by local individuals, these artifacts may have been obtained through trade. A lack of excavated data from the Oneota components at CAP hinders interpretations of differential access to copper among the site's residents, but the abundance of copper at this location suggests that this material was an important aspect of the overall group identity. One or more residents of CAP may have held certain social or ideological privileges that gave them the power to accumulate and redistribute copper goods. The small amount of copper material recovered at the other three sites could suggest that those at CAP may have only traded copper to influential individuals or heads of households at nearby sites. Although CAP objects lack detailed provenience information, copper items recovered from CBHC and KCV are known to originate from domestic contexts. Disposal of these items in refuse pits may counter the argument that copper had significant ideological importance to the Lake Koshkonong Oneota; however, one of these pits also included a human maxilla and bear canine. Isolated human remains have been found in Oneota pits, and these depositional contexts do not necessarily denote a ritual function to pit features.

Considering the distribution of ideological symbols more broadly, the shared motifs between Oneota groups of Wisconsin and other Mississippian groups indicate that these cultures were part of the same world system (Jeske 1998; Schneider 2015). The serpentine pendants found at each of the sites could represent regional identity. Adornments depicting this shared

identity may have been reserved for individuals with achieved status in their community (Mann 1982; Peregrine 1995). Conversely, the unique symbols found at the Lake Koshkonong sites speak to the distinct group identity of this Oneota locality. While residents of the area may have encountered and adopted some symbols from other localities or from Middle Mississippians through various types of interactions, their choice to embrace, ignore, or actively dispel certain motifs speaks to the nature of these social relations, their personal and group identity, and their world view.

Placing the dense copper collections from the Oneota component at CAP within the greater history of the area shows a prolonged tradition of metalworking in the area. Along the northwest shore of Lake Koshkonong, it appears that Carcajou Point had a tradition of copper working during the Archaic period and CAP has evidence for copper manufacturing in prehistoric times and lead processing during the historic component (Ahlrichs 2016; Birmingham 2011; Hall 1962; Hill and Jeske 2011; J. Bussey, personal communication; Spector 1975, 1977). The continuity of metalworking at this location indicates a possible ideological connection between this material type and the physical setting of the sites.

The significance of this place, visible through the continuity of a shared specialized activity throughout time, may indicate that the northwestern shores of Lake Koshkonong functioned as a *conceptualized landscape* to its various prehistoric and historic occupants. Knapp and Ashmore (1999:11) define this type of social landscape as being "characterized by powerful religious, artistic or other cultural meanings invested in natural features rather than in material culture of monuments." The natural setting of these sites may have been associated with an ideological concept related to metalworking practices. Since "[l]andscape is often regarded as the materialization of memory, fixing social and individual histories in space" and that this "memory

stresses continuity in the landscape," this conceptualized landscape may have perpetuated throughout time as part of the social memory of various groups who occupied the area (Knapp and Ashmore 1999:13-14). Social memory has been defined as "the selective preservation, construction, and obliteration of ideas about the way things were in the past, in service of some interest in the present" (Van Dyke 2011:237). Establishing and sustaining social memory of landscapes can function to strengthen social identity, which "draw[s] together groups of people with real or imagined common pasts" (Van Dyke 2011:237). If the Lake Koshkonong tradition of metal working in the Archaic was continued by groups who occupied the area because of potential shared oral histories that associated peoples of the past with metal working activities, then the continuity of metal production in this area could be evidence of the importance of this landscape in Native American's shared social memory and group identity. If Oneota and other Late Prehistoric groups personally identified specific locations with their social identity, then this notion could help explain the apparent territoriality of these groups (cf. Emerson 1999; Foley Winkler 2011; Jeske 1990, 2000; Richards and Jeske 2002; Schneider 2015).

Question 2: Manufacturing

What manufacturing techniques were used to create these copper artifacts? Can manufacturing traditions be ascertained among/between the sites?

Evidence of manufacturing on the Koshkonong copper artifacts indicates that these Oneota groups were using cold hammering to flatten pieces of native copper and folding it upon itself during this cold hammering process to create more homogenous pieces. Flattened, layered appearances of numerous copper artifacts and of the fragments in the collection testify to this method. Additionally, striations running throughout the body of numerous artifact types,

including beads, pendants, and awls, could be the result of grinding hammered pieces of copper to create thinner pieces with smoother surfaces. Cleanly cut edges of the pendant collections and the incisions appearing along the edges of fragments indicate that flattened pieces were cut into shapes, probably using a sharp lithic utensil. Some artifact types were rolled, possibly with the assistance of a mandrel, others were punched from one direction, and numerous pieces had decorative incisions engraved onto their surface.

Unworked or partially worked fragments appear at each of the Koshkonong sites, especially at Schmeling, suggesting that some copper artifacts could have been manufactured locally. The large flattened fragment recovered from the Schmeling site could suggest that copper was traded as raw pieces or that large float copper was present among the glacial till surrounding the sites. Conversely, the presence of symbols shared with other Oneota localities and Mississippian groups indicates that the manufacture of these items could have been influenced through social interactions or that these items were being manufactured in the south and traded to the Koshkonong area. It is also possible that these items were created by the local Koshkonong Oneota to be used for trade or political interaction with these foreign groups.

While Spector (1975) indicated that historic metalworking at CAP was a specialized activity and that the site was not primarily used for habitation, Birmingham's (2011) study of the ceramics originating from the Oneota component demonstrates that this was not the case during the prehistoric occupation of the site. Judging by the amount of copper artifacts present at the site, especially fragmented pieces, extensive copper manufacturing was happening within the prehistoric Oneota village. Oneota copper production was probably a domestic activity instead of a specialized communal activity as lead processing was during the historic period (Benn 1989; Spector 1977).

The manufacturing of the beads found at Lake Koshkonong exhibit a range of refinement. At one end of the spectrum are beads that appear to be created with less refined methods. These beads are boxy, have irregular edges, and their seams are often askew. Another set of beads appears to have required intense labor, as they are neatly made with cleanly cut edges, aligned seams, and, sometimes, had their seams carefully disguised. The two subgroups of beads demonstrate varying investment of labor and significance of aesthetics. The cause of this divergence may be differing skills of the individual manufacturer, different production techniques between households, the presence of locally constructed and trade beads, or it could represent a change in the manufacture of these artifacts through time. It is possible that bead manufacture became quicker and less precise through time as demand increased, although the improvement of manufacturing techniques throughout time is a more likely explanation due to the small number of beads at CBHC, KCV, and Schmeling. If beads required little energy to make and, thus, were less valuable, a more even distribution would be expected that mirrors other everyday low value goods, such as scrapers. These refined techniques probably required more time and labor investment, which would have increased their value among Oneota groups.

The limited number of copper artifacts recovered from CBHC, KCV, and Schmeling hinder any definitive conclusions about variation of manufacturing practices between the sites. The data set developed from this study show that KCV had beads of the less-refined style and that the majority of beads from Schmeling and CAP were of the labor-intensive style. However, this conclusion is based on only a handful of artifacts from KCV and Schmeling. Additional studies of beads across time and space may illuminate whether manufacturing variation is significant enough to become a diagnostic feature of copper beads.

Question 3: Use-Wear

What type of use-wear is present in each artifact category? Does this confirm or call into question the previous assumptions of their use?

Use-wear observed in the study collections was mostly as expected. Personal adornments, such as beads and pendants, have light nicks and striations indicating that the objects functioned as personal ornaments and did not have any strenuous technical uses. More utilitarian pieces in the collection, especially awls, exhibit significant wear demonstrating their use as tools.

Small adzes, one from CBHC and one from Schmeling, also show significant signs of wear, but wear patterns appear to vary significantly. Buckling and edge damage on the Schmeling adze suggest it was intended for more extensively. Wear near the center of this piece suggests that the adze was hafted diagonally. This unique hafting angle differs from observed adze hafting techniques and raises questions about the intended use of this tool. The amount of polish on the CBHC adze and the use-wear along each end suggest that the adze was used, but potential incised decorations throughout the body of the adze indicate that its function may have been more than strictly technical. The size of this adze, 62 millimeters in length and 11.6 millimeters in width, is rather small for strenuous work. Additional use-wear and comparative studies may illuminate the tasks for which these adzes were intended and explain their significant variation.

Similar forms and use-wear exhibited by awls from Lake Koshkonong suggest that a functional typology could be created based on additional use-wear investigations and comparative studies with other Oneota copper assemblages. Understanding the function of these tools could explain why 79 awls were recovered from CAP and only four were recovered from the other three sites of this project if this discrepancy is not due to differences in sampling

methods. If copper awls were intended for a common domestic function, such as punching leather or chipping lithics, a more even distribution of these tools would be expected. For example, it currently appears that all individuals punching leather at KCV would have to share the same awl. However, there are numerous bone awls from each of the Koshkonong sites, which may explain the variation in the presence of copper awls (Jeske et al. 2016). The potential variation between bone awl and copper awl functions requires additional experimental and use-wear studies.

Two alternative explanations could account for the discrepancy in copper awl appearance across the four sites: these tools were intended for a specific activity happening more frequently at CAP or the use of these objects were reserved for specific individuals at the site. The abundance of awls and other copper material at CAP could indicate that these tools were used for copper production, and that they may have been utilized to incise designs on the surface of copper artifacts or used to shape beads. Awls were probably not used as mandrels since their average width, 4.5 millimeters, is over a millimeter wider than the average bead width of 3.3 millimeters. These copper tools could also have been used for utilitarian purposes previously described by archaeologists, including punching leather or chipping stone, by an influential individual, possibly the head of a kin group or a religious figure.

While the use-wear observed on the awls and other artifacts in the collections match proposed functions for these artifact types, the specific intended function of these objects requires additional use-wear studies. The uneven distribution of awls among the sites calls into question a strictly utilitarian function often ascribed to these items. Additional studies investigating the distribution and use-wear on Oneota awls may illuminate their technical, social, and ideological functions.

Question 4: Ideology

What types of ideological symbols are present among the pendants? What might these suggest about Oneota ideology and the ideological function of these items?

Numerous symbols appear throughout the Koshkonong collections. Although the specific meanings behind these symbols are not known, they demonstrate possible social interactions among the Koshkonong sites and with outside groups. Symbols present in the collections include curvilinear/serpentine designs, maces, heartlines, circular objects, claws or talons, shield-like shapes, lunate pieces, triangular and pyramidal objects, and crosshatching. Some of these symbols are unique to the Koshkonong sites; however, crosshatched and pyramidal/triangular designs have also been observed on Oneota ceramics from the Grand River locality (Schneider 2015). Each of the study sites yielded curvilinear/serpentine pendants, a symbol also observed at the Grand River and Waupaca localities. The appearance of serpentine symbols on the material culture of Oneota groups of various regions hints at the importance of this symbol for establishing a group identity both among clusters of sites and between regions. The numerous symbols unique to each region indicate that, while these Oneota localities may have interacted and even identified in some aspects with one another, these groups also were autonomous and had distinct local identities.

The presence of many of these symbols suggest possible broader connections with Middle Mississippians, and support Jeske's (1998) claim that Oneota groups were incorporated into the Mississippian world system. The exact nature of contact between these groups within this system is unknown; however, the amount of violence visible in the burials at CBHC may indicate that these copper items were booty from conflict or exchanged during peace treaties (Foley Winkler and Jeske 2003; Jeske et al. 2016; Schneider 2015). The evidence for copper

manufacture at the nearby Mississippian site of Aztalan could suggest economic ties between it and the Lake Koshkonong sites (Kelly 1991). Malnutrition of individuals buried at CBHC and the low quality raw material used for lithic production indicate the limitations of local resources available to the Koshkonong Oneota, and suggest that these groups depended on trade relations in order to obtain resources not in their immediate catchment area (Foley Winkler and Jeske 2003). Symbols shared among Mississippian groups and the Koshkonong sites indicate that the Oneota living in this area were either interacting with these outside groups in some form or, more likely, that the two groups share a common ancestor who had mace-like objects.

Mace symbols and other ideological motifs shared between Mississippian and Koshkonong Oneota material culture could also support the argument that the Oneota culture was a product of Middle Mississippian and Late Woodland interactions. Mr. Bussey's ceramic assemblages also originating from the Oneota component of CAP indicate a breadth of styles spanning the Late Woodland to late prehistory, and include a small number of Mississippian wares and one Allamakee Trailed sherd, possibly dating post A.D. 1400 (Birmingham 2011). The type of mace symbols present at the site; however, have been dated to A.D. 1200 to 1400, postdating the proposed emergence of Oneota lifeways by various researchers (Jeske et al. 2016; Schneider 2015; Overstreet 1997; Theler and Boszhardt 2006). However, the mace symbols observed in the study collections were more likely carried over from earlier prehistoric groups who utilized atlatl technology (Hall 1997).

Being the symbol of a significant social ranking, such as an accomplished warrior, the Schmeling mace could have been utilized by an individual with achieved social status who resided at the Schmeling site. Similarly, the mace pendants found at CAP could have been worn on an individual's clothes, hair, or in a headpiece to display status. Wearing these symbols of

influence would have also increased and reaffirmed an individual's social standing by signifying possible connections with foreign entities (Clark and Blake 1994; Earle 1997; Hansen 2004; Mann 1986; Peregrine 1995). While the meaning of these mace symbols and their specific social roles is not fully understood, additional excavations and research may provide a clearer picture of the implication of their presence.

Over half of the Lake Koshkonong collections consist of personal adornments including beads and pendants. Almost all of these ornaments, 373 artifacts (96.4%), originate from CAP. The amount of copper personal adornments from CAP indicates the social and ideological significance of this material. Wearing this material visually expressed that person's ability to acquire copper and the amount of social influence and relationships needed to obtain these manufactured goods (Mann 1986; Peregrine 1995). Considering the potential ideological significance of the raw material itself in the religious canon of the Oneota, wearing copper may have denoted an individual's relationship with divine figures and influence on the cosmos (Mann 1982; Peregrine 1995). Religious leaders, such as shamans, may have also used and worn copper since it was considered to have significant power.

Copper artifacts found at the Lake Koshkonong sites probably served multiple ideological functions. Regional symbols occurring on these objects may have been used to display one's cultural affiliation and regional alliances. Pieces bearing the symbols present in the study collection may have been gifted between the Koshkonong sites and among groups living within the Waupaca and Grand River localities. In addition to demonstrating a group's cultural identity, these valued items may also have functioned to denote an individual's status or social role. Finally, the ideological significance of copper and the symbols created with it suggests that

at least some of these items were used in ritual settings or by those with religious roles within Oneota societies.

CHAPTER 6: CONCLUSION

This project was designed to investigate how Oneota groups living in the Lake Koshkonong region from A.D. 1100 to 1400 utilized copper. Observing the variation in bead manufacture throughout the Koshkonong collections indicates a variation in labor expenditure in bead types with one group requiring more energy investment, a common identifier for prestige goods within a society (Joyce 1998; Trigger 1990). All artifact types made of this raw material, including awls, appeared to have social significance. The few awls located at KCV, CBHC, and Schmeling compared to CAP's 79 awls indicates that this tool may have been used for a specific significant function or by certain individuals. Comparing the ideological symbols present among the copper collections to other Mississippian groups, indicates that the motifs used on the Koshkonong collections both established regional and possible ethnic identities, as well as functioned to display an individual's personal relationships with outside groups, such as individuals residing at Middle Mississippian sites. Overall, these lines of evidence suggest that copper was used by these groups as a prestige good, which established and continuously recreated social order and legitimized a higher social standing for select individuals residing among the Lake Koshkonong sites.

Theoretical Support for Koshkonong Copper as a Prestige Good

Understanding the sociopolitical significance of prestige goods requires a discussion on the construction of value. Jeske (1992) and Trigger (1990) argue that humans must make conscious decisions about the allotment of their time and energy, since these are two finite resources that greatly impact manufacturing and subsistence activities. Individuals and groups develop strategies and technology to make some everyday tasks as energy efficient as possible.

Jeske (1992) demonstrates this practice through the economizing activities of Langford groups in northeastern Illinois who needed to efficiently construct lithic tools from local materials, since the violent social environment both restricted their access to raw materials and required higher energy investments in political activities, such as warfare and diplomacy. Conversely, other tasks are purposefully imbued with energy expenditure. Trigger (1990:124) describes this activity as *conspicuous consumption,* or "wasteful spending to enhance social prestige and power." He argues that "political power is universally perceived as the ability to control energy," and defines this mechanism further:

> […] if economy of effort is the basic principle governing the production and distribution of those goods which are necessary to sustain human life, the ability to expend energy, especially in the form of other people's labour, in non-utilitarian ways is the most basic and universally understood symbol of power [Trigger 1990:125].

Considering the evidence for varied labor investment in the bead types of the Lake Koshkonong collections, it appears that there was motivation to expend energy on some beads for aesthetic purposes. This observation demonstrates the role in conspicuous consumption of individuals residing among the four sites of this study, especially at CAP. If the copper used to produce these Koshkonong artifacts originates from northeastern Wisconsin or if the pendants that bear symbols shared with other Oneota localities and Mississippian groups were obtained through trade, these artifacts would also have required significant energy expenditure since they had to be obtained through economic or political relations. The amount of time and energy spent

on procuring and manufacturing copper artifacts indicates its value to the Oneota communities of Lake Koshkonong.

According to Joyce (1998), value can also be constructed through a process she refers to as beautification. This process occurs when cultures begin to place more emphasis on the aesthetic beauty of objects. Joyce (1998) argues that this beautification creates and reinforces order. "Order," she says, "originally flowed from persuasion and persuasiveness from beauty" (Joyce 1998:76). This persuasion is embodied in prestige goods that indicate an individual has expendable wealth and social connections. The increasing labor expended on increasing the aesthetics of beads at CAP, especially efforts to hide the seam edge, suggests a "high social significance of comparative evaluation of the appearance of people and their possessions, judgements that would have influenced the success of individuals and their social groups in contracting alliances with others" (Joyce 1998:69). By affiliating themselves with these copper personal adornments, especially those requiring connections with outside groups, individuals residing near Lake Koshkonong at this time could symbolize their control over labor and ability to expend substantial resources in order to obtain these pieces seen as valuable, beautiful prestige goods among Oneota groups.

Martin (1999) and Trevelyan (2004) have also identified the longevity of copper traditions in precontact Eastern Woodland groups. The continuity of copper procurement and usage in the Koshkonong area from Archaic to Historic times could be indicative of copper's role in social memory and identity. Copper as an ideologically significant material was common among cultural groups of the Midwest throughout prehistory, and these longstanding traditions would have required leaders to act within this historical framework by exerting their control over

this symbolic material and displaying this ability through copper personal adornments (Martin 1999; Pauketat 2000; Trevelyan 2004; Van Dyke 2011).

Considering the abundance of copper prestige goods recovered from CAP, a kin group or individual with ascribed status or who was establishing the beginnings of social differentiation could have resided there and utilized copper to support their higher social status. The power to conspicuously consume prestige goods is created by the legitimization of one's power over others in the community. The development of copper as a prestige good probably did not occur instantaneously, but may have occurred gradually throughout time as one group slowly began to dominate copper procurement and manufacturing while others gave up ready access to copper not recognizing its potential role in legitimizing power and social order. Pauketat (2000) describes a similar phenomenon that occurred when mound building groups willingly constructed ideological architecture that would later be utilized to develop and affirm social inequality. As individuals at CAP obtained more control over copper goods, they could have used this ability to strengthen their claims of influence over other groups in the area.

Peregrine (1995:258) combines a World Systems approach with Mann's (1986) *Sources of Social Power* to assert that Oneota and Mississippian societies were "independent sociopolitical entities in constant interaction and reaction one against the other" and that their world system was "founded on and sustained by an economic interdependence." He defends the previous argument made by Brown et al. (1990), in which they demonstrate that this economic interdependence of groups within the Mississippian world system was based on prestige goods (Peregrine 1995). Publicly controlling and consuming a traditional prestige good like copper would have resulted in its user gaining the various types of power that Mann (1986) identified: ideological, economic, military, and political. Copper material culture originating from the

Koshkonong sites suggest that these materials were used to enhance their social power (Mann 1986).

According to Mann (1986) and Peregrine (1995), ideological power originates from the ability to control group ideology including ritual symbols, objects, and practices. Since copper had religious value among Oneota groups, publicly using and wearing this raw material may have demonstrated the ideological power of these individuals. Ritual symbols appearing throughout the Koshkonong pendants also may have demonstrated its wearer's control over group ideology simply through the ability to procure and publicly don these articles. While the serpentine motif is present within the Middle Mississippian canon, the occurrence of this symbol at each Koshkonong site and at both the Waupaca and Grand River localities suggest that this was a significant symbol among these groups, possibly tied to their ethnic identity (Schneider 2015). Symbols shared with Mississippian ideology, such as maces, were not present at each of the Koshkonong sites nor within each locality of Schneider's (2015) ceramic study, and could suggest that social interactions between CAP and these foreign groups were occurring in some capacity. The ability to display connections beyond the local community is often an integral aspect of legitimation of the social order (Clark and Blake 1994; Earle 1997; Hansen 2004; Mann 1986; Peregrine 1995). By restricting the flow of copper among the community and using this ideological material primarily for personal adornments, an individual or group with higher social status may have utilized this prestige good at the Koshkonong sites to legitimize their influence and reaffirm the social differentiation of the group.

Possessing and publicly displaying prestige goods also demonstrates an individual's economic power (Mann 1986; Peregrine 1995). Having the capability to procure raw copper, produce copper items, and exchange these objects locally and with foreign groups indicates an

individual's economic control over these prestige goods. While the exact sources of the copper among the Koshkonong collections require future compositional analyses, the amount of scrap copper found at CAP and Schmeling provide evidence for copper manufacturing among the Oneota groups who resided there. Additionally, the prolonged tradition of metalworking on the northwest shores of Lake Koshkonong throughout both prehistory and history suggest that the physical location of the sites had a tradition of metal economic activities.

The amount of mace symbols present at the Lake Koshkonong sites imply that the individuals who possessed these items may have had special military power. Mann (1986) identifies this power as stemming from a control over the group's military. Some studies have suggested that maces and mace pendants were used to denote individuals of significant military standing. (Giles and Knapp 2015; Jolly and Scrivner 1974). The potential associations between this symbol and this military role indicate that those who wore the mace pendants at CAP and the owner of the Schmeling mace may have held some achieved military power.

Lastly, Mann (1982) identifies political power as controlling the social interactions within a territory, which Peregrine (1995) models the Upper Mississippian political landscape with Theissen polygons. The Koshkonong sites are in close proximity; however, they appear to be secluded on the landscape from other Oneota localities (Jeske et al. 2016). This solitude may have restricted intense social interaction between Koshkonong residents and the Oneota of other localities, and may have only allowed small parties to venture across the landscape in order to interact with other groups. The ability to control these intergroup social interactions would have given political power to those select individuals allowed to participate in these excursions. Since the Koshkonong copper collections share stylistic and manufacturing techniques with the copper material culture of other regional groups, it is possible that some of these pieces were obtained

during these interactions either by trade, political ceremonies, or warfare. Potential redistribution of copper obtained through these interactions would have also reaffirmed the social order of the Koshkonong Oneota.

In sum, the copper artifacts of the Lake Koshkonong sites provide insight into Oneota lifeways. The density of copper at CAP indicates potential social inequality among the inhabitants of the four sites. Copper from CAP also provides evidence for a continued tradition of metal production at this location from prehistory into historic times. A closer look at bead manufacturing techniques shows a stark difference in invested labor between two subgroups of this artifact type. This dissonance in the importance of bead aesthetics demonstrates intensifying social and ideological significance of copper within Oneota groups and could imply the increasing importance of personal adornments. Additionally, observing use-wear on awls both affirms and adds to previous descriptions of how the Oneota used this tool type. However, their rare presence at CBHC, KCV, and Schmeling suggest they were either used for a specific restricted purpose or that they were owned by an influential individual. Finally, the ideological symbols present among the Koshkonong collections contribute to the developing narrative of Oneota identity and their belief system. These motifs show connections with other Oneota groups of the region and Mississippian groups to the south. Results of the study suggest that copper functioned as a prestige good that created and legitimized social order by enhancing the ideological, economic, military, and political power of particular individuals or groups.

Future Research

Besides answering the primary research question of this thesis, the secondary goal of this project was to experiment with prehistoric copper research methods in order to present their utility to the archaeological community. By thoroughly documenting copper assemblages, the resulting data elucidated aspects of Oneota copper manufacturing, utility, and value. Delving deeper, the information collected from these objects revealed aspects of Oneota social order, identity, ideology, economy, and political activities. With additional studies investigating copper distribution, manufacturing marks, use-wear, and the presence of ideological symbols, comparative studies may help to develop a broader picture of Oneota regional interactions.

Distribution Studies

Comparative studies of copper distribution among Oneota sites would identify additional locations of manufacture, trade, and distribution. Future research could also test whether the Koshkonong sites are unique or if they follow a pattern of close-knit sites with a restricted flow of copper goods. Excavations of the Oneota component at CAP could further illuminate the nature of the apparent control of copper material by residents at the site, and whether they traded this material inland or if residents of the KCV, CBHC, and Schmeling sites obtained copper goods directly. These excavations could also explain the popularity of metalworking among both prehistoric and historic groups in the area.

Due to their recovery by amateur collectors, the majority of this study's sample has limited provenience information. This deficiency hinders comparative analyses of depositional contexts; therefore, copper found *in situ* should be a priority in subsequent studies. Despite this lack of provenience, these objects from private collections could be sourced using LA-ICP-MS

analyses in order to reveal the source of the copper of which they are composed. If these deposits are distant from Lake Koshkonong, then the acquisition of copper could have required significant energy expenditure, which would further support the argument that this raw material acted as a prestige good among the four Koshkonong sites. If the raw material appears to originate from sources in the southeastern United States, this information could illuminate previously unknown economic and social connections between Midwestern Oneota groups and Mississippian sites of the Southeast.

Manufacturing and Use-Wear Analyses

Although some North American archaeologists are skeptical of the utility of copper use-wear analysis, this study builds upon earlier research to argue that this method can be effectively applied to copper and that additional research is necessary to improve methods and create comparative data. Newly developed methods that allow us to observe the original surface of the artifacts, such as CT scans, can help to increase the efficiency of use-wear analysis of corroded artifacts. While 10x magnification was used for observing wear in this study, additional comparisons of the utility of higher magnification, such as those in the literature of lithic use-wear analysis, would be beneficial (Newcomer and Keeley 1979; Odell and Odell-Vereecken 1980). Establishing effective methods will require rigorous experimental archaeology in artifact manufacture, use-wear, and depositional damage. The manufacturing and use-wear present on the Lake Koshkonong collections were carefully documented and could be utilized for comparative data in future research efforts. The preliminary conclusions drawn from analysis of the study collection demonstrates the utility of this line of research, and hopefully encourages the utilization of this method in future analyses of North American copper artifacts. Use-wear

analyses may also reveal previously unanticipated functions of artifact types, especially awls. Additional investigations will aid in determining which signs of wear are definitively from manufacture, use, curation, and deposition.

Ideological Studies

Ideological studies of prehistoric cultures are difficult, and therefore are often avoided in archaeological analyses. Despite the challenges posed by this line of study, ideology is an integral aspect to understanding Oneota groups since it was a fundamental aspect of their lives and dictated many of their activities. Lori Stanley (1993:122) argues that:

> […] as cultural anthropologists of the past, archaeologists are obligated to *attempt* to reconstruct ancient belief systems just as they reconstruct settlement patterns and subsistence systems. Perhaps the undertaking is the most complex and challenging one of all, but it is worth the effort if in the long run we are able to breathe some life into the often sterile, impersonal portraits we paint of the past.

Comparing ideological symbols found within various Oneota assemblages could lead to deeper understandings of Oneota identity, social and political interactions, origins, and possible historic connections. Additional studies identifying the spread of mace and claw symbols may shed light on Oneota origins as well as trade and political alliances. Understanding the context of these symbols and their potential uses through additional excavations, comparative analyses, and iconographic studies may further illuminate the Oneota world view and their social interactions.

By building upon previous studies to establish a defined methodology for prehistoric copper analysis, new conclusions and hypotheses can emerge. Not only are the functions of copper within Oneota societies more clearly defined by investigating artifacts of this raw material, but a broader understanding of Oneota identity, social and political interactions, ideological beliefs, and manufacturing traditions can be realized. This project hopes to contribute to the development of these analytical methods, as well as inspire future research focusing on Oneota copper.

BIBLIOGRAPHY

Ahlrichs, Robert
2016 Differential Use of Copper in Northern and Southern Wisconsin Societies. Paper presented at the 81st Annual Meeting of the Society for American Archaeology, Orlando, Florida.

Baines, John and Norman Yoffee
2000 Order, legitimacy, and wealth: setting the terms. In *Archaic States*, edited by G.M. Feinman and J. Marcus, pp. 199-260. School of American Research Press, Sante Fe.

Benn, David W.
1989 Hawks, Serpents, and Bird-Men: Emergence of the Oneota Mode of Production. *Plains Anthropologist* 34(125):233-260.
1995 Woodland *People* and the Roots of the Oneota. In *Oneota Archaeology: Past, Present, Future*, Reports of the Office of the State Archaeologist of Iowa, No. 20, edited by William Green, pp. 91-139. The University of Iowa, Iowa City.

Berres, Thomas Edward
2001 *Power and Gender in Oneota Culture: A Study of a Late Prehistoric People*. Northern Illinois University Press, DeKalb.

Binford, Lewis R.
1962 Archaeology as Anthropology. *American Antiquity* 28(2):217-225.

Birmingham, Robert A.
2011 Oneota Ceramics from the Crabapple Point Site on Lake Koshkonong: The James Bussey Collection. Paper presented at the 57th Annual Meeting of the Midwest Archaeological Conference, La Crosse, Wisconsin.
2014 French Trade Goods from the Crabapple Point Site: A Possibility for a Historic Period Oneota Occupation on Lake Koshkonong. Paper presented at the 58th Annual Meeting of the Midwest Archaeological Conference, Champaign, Illinois.

Blair, Emma H., editor
1911-1912 *The Indian Tribes of the Upper Mississippi Valley and Region of the Great Lakes.* A.H. Clark Co., Cleveland.

Boszhardt, Robert F., Wendy Holtz, and Jeremy Nienow
1995 A Compilation of Oneota Radiocarbon Dates as of 1995. In *Oneota Archaeology: Past, Present, Future*, Reports of the Office of the State Archaeologist of Iowa, No. 20, edited by William Green, pp. 203-227. The University of Iowa, Iowa City.

Brose, David S.
1994 Trade and Exchange in the Midwestern United States. In *Prehistoric Exchange Systems in North America*, edited by Timothy G. Baugh and Jonathon E. Ericson, pp. 215-240. Plenum Press, New York.

Brown, James A.
1982 What Kind of Economy Did the Oneota Have? In *Oneota Studies,* edited by Guy E. Gibbon, pp. 106-112. Publications in Anthropology Vol. 1, University of Minnesota, Minneapolis.
1996 *The Spiro Ceremonial Center: The Archaeology of Arkansas Valley Caddoan Culture in Eastern Oklahoma.* 2 vols. Memoir of the Museum of Anthropology No. 29, University of Michigan, Ann Arbor.

Brown, James, Richard Kerber, and Howard Winters
1990 Trade and the Evolution of Exchange Relations at the Beginning of the Mississippian Period. In *The Mississippian Emergence,* edited by B. Smith, pp. 251-280. Smithsonian Institution Press, Washington D.C.

Byers, A. Martin.
1999 Intentionality, Symbolic Pragmatics, and Material Culture: Revisiting Binford's View of the Old Copper Complex. *American Antiquity* 64(2): 265-287.

Carpiaux, Natalie
2015 Oneota Ceramics from Lake Koshkonong: An Example from the Koshkonong Creek Village Site. Paper presented at the 59th Annual Meeting of the Midwest Archaeological Conference, Milwaukee, Wisconsin.

Carpiaux, Natalie and Rick W. Edwards IV
2014 Koshkonong Creek Ceramics: A Preliminary Pottery Analysis. Paper presented at the 58th Annual Meeting of the Midwest Archaeological Conference, Champaign, Illinois.

Clark, J.E. and M. Blake
1994 The Power of Prestige: Competitive Generosity and the Emergence of Rank Societies in Lowland Mesoamerica. In *Factional Competition and Political Development in the New World,* edited by E. Brumfiel and J. Fox, pp. 17-30. Cambridge University Press, Cambridge.

Cleland, Charles E.
1971 Metallic Artifacts. In *The Lasanen Site: An Historical Burial Locality in the Mackinac County, Michigan,* edited by Charles E. Cleland, pp. 19-34. Publications of the Museum – Michigan State University Anthropological Series, Vol. 1, No. 1., Michigan State University, East Lansing.

Cobb, Charles R. and Bretton Giles
2009 War is Shell: The Embodiment of Mississippian Warfare. In *Warfare in Cultural Context: Practice and Theory and the Archaeology of Violence,* edited by A. Nielsen, and W. Walker, pp. 84-108. University of Arizona Press, Tucson.

Cullen, Kevin M.
2006 Old Copper Culture. Electronic document, http://www.mpm.edu/research-collections/anthropology/online-collections-research/old-copper-culture, accessed 10 April 2014.

Dahlen, Timothy N.
2007 *An Analysis of the Copper-Based Metal Artifacts from the Flynn Site: An Orr Phase Oneota Cemetery in Northeastern Iowa*. MS thesis, Department of Anthropology, University of Wisconsin-Milwaukee, Milwaukee.

Dolfini, Andrea
2011 The function of Chalcolithic metalwork in Italy: An assessment based on use-wear analysis. *Journal of Archeological Science* 38(5):1037-1049.

Dolfini, Andrea and Rachel J. Crellin
2016 Metal wear analysis: The loss of innocence. *Journal of Archaeological Science* 66:78-87.

Earle, Timothy
1997 *How Chiefs Come to Power: The Political Economy in Prehistory.* Stanford University Press, Stanford, California.

Edwards, Richard Wynn IV
2010 *Oneota Settlement Patterns around Lake Koshkonong in Southeast Wisconsin: An Environmental Catchment Analysis using GIS Modeling*. Master of Science thesis, Department of Anthropology, University of Wisconsin-Milwaukee, Milwaukee.

Ehrhardt, Kathleen L.
2009 Copper working technologies, context of use, and social complexity in the Eastern Woodlands of Native North America. *Journal of World Prehistory* 22(3):213-235.

Ehrhardt, Kathleen L., Samuel K. Nash, and Charles P. Swann
2000 Metal-Forming Practices among Seventeenth Century Illinois, 1640-1682. *Materials Characterization* 45(4-5):275-288.

Emerson, Thomas E.
1999 The Langford Tradition and the Process of Tribalization on the Middle Mississippian Borders. *Midcontinental Journal of Archaeology* 24:3-56.

Foley Winkler, Kathleen M.
2004 *Oneota Mortuary Practices in Southeast Wisconsin*. Master of Science thesis, Department of Anthropology, University of Wisconsin-Milwaukee, Milwaukee.
2006 Excavations at the Schmeling Site (47 JE 833). Paper presented at the 50th Annual Meeting of the Midwest Archaeological Conference, Urbana, Illinois.
2008 2008 Investigations at the Schmeling Site (47 JE 833). Paper presented at the 52nd Annual Meeting of the Midwest Archaeological Conference, Milwaukee, Wisconsin.

2011 *Oneota and Langford Mortuary Practices from Eastern Wisconsin and Northeast Illinois*. Ph.D. Dissertation, Department of Anthropology, University of Wisconsin-Milwaukee, Milwaukee.

Foley Winkler, Kathleen M. and Robert J. Jeske
2003 Analysis of the Crescent Bay Hunt Club Burials. In *Lake Koshkonong 2002/2003: Archaeological Investigations at Three Sites in Jefferson County, Wisconsin*, prepared by Robert J. Jeske. Archaeological Research Laboratory, University of Wisconsin-Milwaukee, Milwaukee.

Fogel, Ira L.
1963 The Dispersal of Copper Artifacts in the Late Archaic Period of Prehistoric North America. *Wisconsin Archeologist* 44(3):129-180.

Gibbon, Guy
1973 The Sheffield Site: An Oneota Site on the St. Croix River. *Minnesota Prehistoric Archaeology Series* 10.
1982 Oneota Origins Revisited. In *Oneota Studies,* edited by Guy Gibbon, pp. 85-90. Publications in Anthropology No. 1. University of Minnesota, Minneapolis.
1986 The Mississippian Tradition: Oneota Culture. *Wisconsin Archaeologist* 67(3-4):314-338.
1995 Oneota at the Periphery: Trade, Political Power, and Ethnicity in Northern Minnesota and on the Northeastern Plains in the Late Prehistoric Period. In *Oneota Archaeology: Past, Present, Future*, Reports of the Office of the State Archaeologist of Iowa, No. 20, edited by William Green, pp. 175-199. The University of Iowa, Iowa City.
n.d. Je 244: The Crescent Bay Hunt Club Site. Unpublished Manuscript in possession of author.

Giles, Bretton T. and Timothy D. Knapp
2015 A Mississippian Mace at Iroquoia's Southern Door. *Midcontinental Journal of Archaeology* 40(1):73-95.

Griffin, James B.
1961a Early American Mining in the Upper Peninsula of Michigan and the First Recognition of Prehistoric Mining Activities. In *Lake Superior Copper and the Indians: Miscellaneous Studies of Great Lakes Prehistory,* University of Michigan, Anthropological Papers, No. 17, edited by James B. Griffin, pp. 47-76. University of Michigan, Ann Arbor.
1961b Interpretation of Technology and cultural Level from the Copper Pits and Included Materials. In *Lake Superior Copper and the Indians: Miscellaneous Studies of Great Lakes Prehistory,* University of Michigan, Anthropological Papers, No. 17, edited by James B. Griffin, pp. 127-129. University of Michigan, Ann Arbor.

Griffin, John W.
1946 *Upper Mississippi Occupations of the Fisher Site, Will County, Illinois.* Unpublished Master of Science thesis, Department of Anthropology, University of Chicago, Chicago.

Hall, Robert L.
1962 *The Archeology of Carcajou Point*. 2 vols. The University of Wisconsin Press, Madison.
1995 Relating that Big Fish and the Big Stone: Reconsidering the Archaeological Identity and Habitat of the Winnebago in 1634. In *Oneota Archaeology: Past, Present, Future*, Reports of the Office of the State Archaeologist of Iowa, No. 20, edited by William Green, pp. 19-28. The University of Iowa, Iowa City.
1997 *An Archaeology of the Soul: North American Indian Belief and Ritual*. University of Illinois Press, Urbana.

Hansen, Karen Tranberg
2004 The World in Dress: Anthropological Perspectives on Clothing, Fashion, and Cultures. *Annual Review of Anthropology* 33:369-392.

Hill, Mark A.
2006 The Duck Lake Site and Implications for Late Archaic Copper Procurement and Production in the Southern Lake Superior Basin. *Midcontinental Journal of Archaeology* 31(2): 213-248.
2009 *The Benefit of the Gift: Exchange and Social Interaction in the Late Archaic Western Great Lakes.* Ph.D. Dissertation, Department of Anthropology, Washington State University, Pullman.
2012 Tracing Social Interaction: Perspectives on Archaic Copper Exchange from the Upper Great Lakes. *American Antiquity* 77(2): 279-292.

Hill, Mark A. and Robert J. Jeske
2011 Laser Sourcing of Copper from Late Archaic and Late Prehistoric Sites near Lake Koshkonong, Southeastern Wisconsin. Paper presented at the 58th Annual Meeting of the Midwest Archaeological Conference, La Crosse, Wisconsin.

Hollinger, R. Eric
1995 Residence Patterns and Oneota Cultural Dynamics. In *Oneota Archaeology: Past, Present, Future*, Reports of the Office of the State Archaeologist of Iowa, No. 20, edited by William Green, pp. 141-174. The University of Iowa, Iowa City.

Hollinger, R. Eric and David W. Benn
1998 Oneota Taxonomy: Addressing Considerations of Time, Space and Form. *Wisconsin Archaeologist* 79(2)1-8.

Hruska, Robert
1967 The Riverside Site: A Late Archaic Manifestation in Michigan. *Wisconsin Archeologist* 48(3):145-260.

Hunter, Chrisie L.
2002a *A Comparative Study of Oneota and Langford Traditions.* Master of Science thesis, Department of Anthropology, University of Wisconsin-Milwaukee, Milwaukee.

2002b Understanding Upper Mississippian Subsistence and Settlement Through the Use of Catchment Analysis: An Oneota and Langford Perspective. *The Wisconsin Archeologist* 83(2):76-97.

Inomata, Takeshi and Lawrence S. Coben
2006 Overture: An Invitation to the Archaeological Theater. In *Archaeology of Performance: Theaters of Power, Community, and Politics*, edited by Takeshi Inomata and Lawrence S. Coben, pp. 11-44. AltaMira Press, Lanham, Maryland.

Jeske, Robert J.
1989 Horticultural Technology and Social Interaction at the Edge of the Prairie Peninsula. *Illinois Archaeologist* 1(2):103-120.
1990 Langford Tradition Subsistence, Settlement, and Technology. *Midcontinental Journal Archaeology* 15(2):221-249.
1992 Energetic Efficiency and Lithic Technology: An Upper Mississippian Example. *American Antiquity* 57(3):467-481.
1998 World-Systems Theory, Core-Periphery Interactions, and Elite Economic Exchange in Mississippian Societies. In *World-Systems Theory in Practice: Leadership, Production, and Exchange*, edited by Nick P. Kardulias, pp. 203-222. Rowman & Littlefield Publishers, Inc., Lanham, Maryland.
2000 Continuing Investigations at Crescent Bay Hunt Club Site (47-Je-904). Jefferson County. In *Southeastern Wisconsin Archaeological Program: 1999-2000*, edited by Robert J. Jeske, pp.4-44. Archaeological Research Laboratory Report of Investigations No. 145. University of Wisconsin-Milwaukee, Milwaukee.
2001 Crescent Bay Hunt Club: Radiocarbon Dates and Research Summary. In *Program in Midwestern Archaeology (Southeastern Wisconsin Archaeology Program): 2000-2001*, edited by Robert J. Jeske. Archaeological Research Laboratory Report of Investigations No. 148. University of Wisconsin-Milwaukee, Milwaukee.

Jeske, Robert J. (preparer)
2003 *Lake Koshkonong 2002/2003: Archaeological Investigations at Three Sites in Jefferson County, Wisconsin*. Archaeological Research Laboratory, University of Wisconsin-Milwaukee, Milwaukee.

Jeske, Robert J. and Chrisie L. Hunter
2001 The Crescent Bay Hunt Club Site: Oneota in Southeast Wisconsin. Electronic document, www4.uwm.edu/archlab/Oneota, accessed 15 April 2015.

Jeske, Robert J. and David Winkler
2009 Late Pleistocene Occupations in the Lake Koshkonong Region, Southeastern Wisconsin. *Current Research in the Pleistocene* 26:126-128.

Jeske, Robert J., David Winkler, and Chrisie L. Hunter
2002 Paleoindian and Archaic Occupations of the Kelly North Tract at Carcajou Point in Southeastern Wisconsin. *The Wisconsin Archeologist* 83(2):5-31.

Jeske, Robert J., Seth A. Schneider, Richard W. Edwards, Katherine Sterner, and Rachel McTavish
2016 Strangers in a Strange Land: The Lake Koshkonong Oneota Locality in Context. Paper presented at the 60th Annual Meeting of the Midwest Archaeological Conference, Iowa City, Iowa.

Jolly, Fetcher, III and Jack Scrivner
1974 The Mace and the Mace Motif in the Mississippi Valley. *Central States Archaeological Journal* 21(1):2-21.

Joyce, Rosemary A.
1998 High culture, Mesoamerican civilization, and the classic Maya tradition. In *Archaic States*, edited by G.M. Feinman and J. Marcus, pp. 199-260. School of American Research Press, Sante Fe.

Jury, Wilfrid W.
1965 Copper Artifacts from Western Ontario. *Wisconsin Archaeologist* 46(4):223-246.

Karsten, Jordan
2015 Troubled Times in Late Prehistoric Central Wisconsin: Violent Skeletal Trauma Among the Winnebago Phase Oneota. Paper presented at the 59th Annual Meeting of the Midwest Archaeological Conference, Milwaukee, Wisconsin.

Kelly, John E.
1991 Cahokia and Its Role as a Gateway Center in Interregional Exchange. In *Cahokia and the Hinterlands: Middle Mississippian Cultures of the Midwest*, edited by Thomas E. Emerson and R. Barry Lewis, pp.61-80. University of Illinois Press, Urbana.

Kelly, John E. and James A. Brown
2012 In Search of Cosmic Power: Contextualizing Spiritual Journeys between Cahokia and the St. Francois Mountains. In *Archaeology of Spiritualties*, edited by Kathryn Roundtree, Christine Morris, and Alan A. D. Peatfield, pp. 107-129. Springer, New York.

Keyes, Charles R.
1927 Prehistoric Man in Iowa. *The Palimpest* 8:215-229.

Kienlin, Tobias L. and Barbara S. Ottaway
1998 Flanged Axes of the North-Alpine Region: An Assessment of the Possibilities of Use-Wear Analysis on Metal Artifacts. *In L'Atelier-du bronzier en Europe du XX on VIII siècle avant notre ère*, edited by C. Mordant, M. Perno, and V. Rychner, Vol. 2, pp. 271-286. Comité des travaux historiques et scientifiques, Paris.

Knapp, A. Bernard and Wendy Ashmore
1999 Archaeological Landscapes: Constructed, Conceptualized, Ideational. In *Archaeologies of Landscape: Contemporary Perspectives*, edited by Wendy Ashmore and A. Bernard Knapp, pp. 1-30. Blackwell Publishers, Malden, Massachusetts.

Kocik, Cynthia A.
2012 *Regional Variation in Hopewell Copper Use.* Bachelor of Science thesis, Department of Sociology and Archaeology, University of Wisconsin-La Crosse, La Crosse.

Landon, R.H.
1940 The Mining and Fabrication of Copper by the Aborigines of the Lake Superior Region. *The Minnesota Archaeologist* 6(2):24-34.

Leader, Jonathan Max
1988 *Technological Continuities and Specialization in Prehistoric Metalwork in Eastern United States.* Ph.D. Dissertation, Department of Anthropology, University of Florida, Gainesville.

Levine, Mary Ann
2007 Determining the Provenance of native copper artifacts from Northeastern North America: evidence from instrumental neutron activation analysis. *Journal of Archaeological Science* 34:572-587.

Lillie, Robin M. and Shirley J. Schermer
2015 Design Motifs and Other Modifications of Human Bone from Iowa Late Prehistoric Oneota Sites. In *Transforming the Dead: Culturally Modified Bone in the Prehistoric Midwest*, edited by Eve A. Hargrave, Shirley J. Schermer, Kristin M. Hedman, Robin M. Lillie, Kathleen T. Blue, and Christopher Carr, pp. 235-246. The University of Alabama Press, Tuscaloosa.

Lothson, Gordon Allan
1976 *The Jeffers Petroglyphs Site: A Survey and Analysis of the Carvings,* Minnesota Prehistoric Archaeology Series No. 12, Minnesota Historical Society, St. Paul.

Mann, Michael
1986 *The Sources of Political Power,* Vol. 1. Cambridge University Press, Cambridge.

Martin, Lawrence
1965 *The Physical Geography of Wisconsin.* The University of Wisconsin Press, Madison.

Martin, Susan R.
1999 *Wonderful Power: The Story of Ancient Copper Working in the Lake Superior Basin*. Wayne State University Press, Detroit.

Mason, Ronald J.
1993 Oneota and Winnebago Ethnogenesis: An Overview. *The Wisconsin Archeologist* 74(1-4):400-421.

McKern, Will Carleton
1942 The First Settlers of Wisconsin. *Wisconsin Magazine of History* 26:153-169.

McHugh, William P.
1973 New Archaeology and the Old Copper Culture. *The Wisconsin Archeologist* 54(2)70-83.

Milner, George R., Eve Anderson, and Virginia G. Smith
1991 Warfare in Late Prehistoric West-Central Illinois. *American Antiquity* 56:581-603.

Mississippi Valley Archaeological Center
2004 Early Cultures: Prehistoric Peoples of Wisconsin. Electronic document, accessed 20 April 2014.

Moss, James D.
2010 *Intrasite Feature Analysis of the Crescent Bay Hunt Club Site (47JE904), an Oneota Site in Southeastern Wisconsin.* Master of Science thesis, Department of Anthropology, University of Wisconsin-Milwaukee, Milwaukee.

Motley, Anne E.
1998 Metals. In *Basic Condition Reporting: A Handbook*, edited by Marie Demeroukas, pp. 65-72. 3rd edition. Southeastern Registrars Association and Mallory Alexander, Memphis.

Moyler, Shaun
2007 *Life on the cutting edge: Interpreting patterns of wear on Scottish Early Bronze axes*. Ph.D. Dissertation, School of Social Sciences, University of Southampton.

Newcomer, Michael H. and Lawrence H. Keeley
1979 Testing a Method of Microwear Analysis with Experimental Flint Tools. In *Lithic Use-Wear Analysis*, edited by B. Hayden, pp. 195-205. Academic Press, New York.

O'Gorman, Jodie
1993 *The Tremaine Site Complex: Oneota Occupation in the La Crosse Locality, Wisconsin, Volume I: The OT Site (47-Lc-262).* State Historical Society of Wisconsin Museum Archaeology Program, Archaeology Research Series No. 1. State Historical Society of Wisconsin, Madison.
1996 *Domestic Economics and Mortuary Practices: A Gendered View of Oneota Social Organization*. Ph.D. Dissertation, Department of Anthropology, University of Wisconsin-Milwaukee, Milwaukee.

Odell, George
1979 A New and Improved System for the Retrieval of Functional Information from Microscopic Observation of Chipped Stone Tools. In *Lithic Use-Wear Analysis*, edited by B. Hayden, pp. 329-344. Academic Press, New York.

Odell, George and Frieda Odell-Vereeken
1980 Verifying the Reliability of Lithic Use-Wear Assessments by 'Blind Tests': The Low-Power Approach. *Journal of Field Archaeology* 7:87-12.

Olsen, M. Lee
2003 *Oneota Subsistence in Southern Wisconsin: Agriculture and Plant Domestication at the Crescent Bay Hunt Club Site*. Master of Science thesis, Department of Anthropology, University of Wisconsin-Milwaukee, Milwaukee.

Overstreet, David F.
1981 Investigations at the Pipe Site (47Fd10) and Some Perspectives on Eastern Oneota Prehistory. *The Wisconsin Archeologist* 62(4):365-525.
1993 McCauley, Astor, and Hanson – Candidates for the Provisional Dandy Phase. *The Wisconsin Archaeologist* 74:120-196.
1997 Oneota Prehistory and History. *Wisconsin Archeologist* 78(1/2):250-296.

Parkinson, Melissa
2003 Crescent Bay Hunt Club and Carcajou Point Sites Copper. In *Lake Koshkonong 2002/2003: Archaeological Investigations at Three Sites in Jefferson County, Wisconsin*. Archaeological Research Laboratory, University of Wisconsin-Milwaukee, Milwaukee.

Pauketat, Timothy R.
2000 The tragedy of the commoners. In *Agency in Archaeology*, edited by M. Dobres and J.E. Robb, pp. 113-129. Routledge, London.

Penman, John T.
1977 The Old Copper Culture: An Analysis of Old Copper Artifacts. *The Wisconsin Archeologist* 58(1):3-23.
Peregrine, Peter N.
1995 Networks of Power: The Middle Mississippian World-System. In *Native American Interactions: Multiscalar Analyses and Interpretations in the Eastern Woodlands*, edited by Kenneth E. Sassaman, pp. 132-143. University of Tennessee Press, Knoxville.

Picard, Jennifer L.
2013 Northern Flint, Southern Roots: A Diachronic Analysis of Paleoethnobotanical Remains and Maize Race at Aztalan Site (47-JE-0001). Master of Science thesis, Department of Anthropology, University of Wisconsin-Milwaukee, Milwaukee.

Pleger, Thomas C.
1998 *Social Complexity, Trade, and Subsistence During the Archaic/Woodland Transition in the Western Great Lakes (4000-400 B.C.): A Diachronic Study of Copper Using Cultures at the Oconto and Riverside Cemeteries*. Ph.D. Dissertation, Department of Anthropology, University of Wisconsin, Madison.

Popham, Robert E. and J. Norman Emerson
1954 Manifestations of the Old Copper Industry in Ontario. *Pennsylvania Archaeologist* 24(1):3-18.

Radin, Paul
1970 *The Winnebago Tribe.* University of Nebraska Press, Lincoln. Originally published 1923, Annual Report No. 37, Bureau of American Ethnology, Smithsonian Institution, Washington.

Rapp, George J., James Allert, and Eiler Henrickson
1984 Trace Element Discrimination of Discrete Sources of Native Copper. In *Archaeological Chemistry - III: Based on a symposium sponsored by the Division of the History of Chemistry at the 184th Meeting of the American Chemical Society, Kansas City, Missouri, September 12-17, 1992*, edited by Joseph B. Lambert, pp. 273-293. American Chemical Society: Washington, D.C.

Reilly, F. Kent, III
2004 People of the Early, People of the Sky: Visualizing the Sacred in Native American Art of the Mississippian Period. In *Hero, Hawk, and Open Hand: American Indian Art of the Ancient Midwest and South*, edited by Richard F. Townsend and Robert V. Sharp, pp. 125-137. The Art Institute of Chicago, Chicago.

Richards, John D., Patricia B. Richards, and Brian D. Nicholls
1998 *Archaeological Investigations in the Carcajou Point Locale, Sumner Township, Jefferson County, Wisconsin.* Archaeological Research Laboratory Report of Investigations No. 129. University of Wisconsin-Milwaukee, Milwaukee.

Richards, John D. and Robert J. Jeske
2002 Location, Location, Location: The Temporal and Cultural Context of Late Prehistoric Settlement in Southeast Wisconsin. *The Wisconsin Archeologist* 83(2):32-54.

Richards, Patricia B.
1993 Winnebago Subsistence. *Wisconsin Archaeologist* 74(1-4)272-289.

Roberts, Ben and Barbara S. Ottaway
2003 The Use and Significance of Socketed Axes During the Late Bronze Age. *European Journal of Archaeology* 6(2):119-140.

Rodell, Roland L.
1983 *The Late Prehistory of Eastern Wisconsin: A Survey of the Archaeological Research and Interpretations Pertaining to Oneota Settlement and Subsistence.* Unpublished Master's Thesis, Department of Anthropology, University of Wisconsin-Milwaukee, Milwaukee.

Sampson, Kelvin W. and Duane Esarey
1993 A Survey of Elaborate Mississippian Copper Artifacts from Illinois. *Illinois Archaeology* 5:452-480.

Schneider, Seth A.
2015 *Oneota Ceramic Production and Exchange: Social, Economic, and Political Interactions in Eastern Wisconsin Between A. D. 1050 – 1400*. Ph.D. Dissertation, Department of Anthropology, University of Wisconsin-Milwaukee, Milwaukee.

Schneider, Seth A., Eric J. Schuetz and Robert E. Ahlrichs
2012 Intraregional Social Interaction in Late Prehistory: Paste Compositional Analysis of Oneota Pottery Vessels in the Lake Koshkonong Region. *Field Notes: A Journal of Collegiate Anthropology* 4(1):192-215.

Schroeder, David L. and Katherine C. Ruhl
1968 Metallurgical Characteristics of North American Prehistoric Copper Work. *American Antiquity* 33(2):162-169.

Semenov, S. A.
1964 *Prehistoric Technology.* Translated by M. W. Thompson. Barnes & Noble, New York.

Sievert Hohol, April
1984a *The Old Copper Tradition: Considerations of Use-Wear and Tool Function in the Late Archaic*. Ph.D. Dissertation, Department of Anthropology, Northwestern University.
1984b Old Copper Implements: Assessing the Potential for Use-Wear Analysis. Paper presented at the 28th Annual Meeting of the Midwestern Archaeological Conference, Evanston, Illinois.

Smith, Kevin E., Daniel Brock, and Christopher Hogan
2004 Interior Incised Plates and Bowls from the Nashville Basin of Tennessee. *Tennessee Archaeology* 1(1):49-57.

Smith, Monica L.
2007 Inconspicuous Consumption: Non-Display Goods and Identity Formation. *Journal of Archaeological Method and Theory* 14:412-438.

Spector, Janet D.
1975 Crabapple Point (Je93): An Historic Winnebago Indian Site in Jefferson County, Wisconsin. *The Wisconsin Archeologist* 56(4):270-345.
1977 Winnebago Indians and Lead Mining: A Case Study in the Ethnohistoric Approach in Archaeology. *Midcontinental Journal of Archaeology* 2(1)131-137.

Staeck, John P.
1995 Oneota Archaeology Past, Present, and Future: In the Beginning, Again. In *Oneota Archaeology: Past, Present, Future*, Reports of the Office of the State Archaeologist of Iowa, No. 20, edited by William Green, pp. 3-6. The University of Iowa, Iowa City.

Stanley, David G.
1993 *Archaeological Investigations of the Bear Creek Locality, Allamakee County, Iowa,* Vol. I. Highland Cultural Research Center, Highland, Iowa.

Stanley, Lori A.
1993 Rock Art. In *Archaeological Investigations of the Bear Creek Locality, Allamakee County, Iowa,* Vol. I. Highland Cultural Research Center, Highland, Iowa.

Sterner, Katherine M.
2012 *Oneota Lithics: A Use-Wear Analysis of the Crescent Bay Hunt Club Assemblage from the 2014 Excavations*. Master of Science thesis, Department of Anthropology, University of Wisconsin-Milwaukee, Milwaukee.

Sterner-Miller, Katherine M.
2015 Intraregional Variation in the Oneota Lithic Economy: A Comparison of the La Crosse and Koshkonong Localities. Paper presented at the 59th Annual Meeting of the Midwest Archaeological Conference, Milwaukee, Wisconsin.

Stoltman, James B.
1986 The Appearance of the Mississippian Cultural Tradition in the Upper Mississippi Valley. In *Prehistoric Mound Builders of the Mississippi Valley*, edited by James B. Stoltman, pp. 26-34. Putnam Museum, Davenport, Iowa.

Stout, Arlow Burdette and Halvor L. Skavlem
1906 The Archaeology of the Lake Koshkonong Region. *The Wisconsin Archeologist* 7(2).

Strezewski, Michael
2006 Patterns of Interpersonal Violence at the Fisher Site. *Midcontinental Journal of Archaeology* 31(2):249-280.

Theler, James L. and Robert F. Boszhardt
2006 Collapse of Crucial Resources and Culture Change: A Model for the Woodland to Oneota Transformation in the Upper Midwest. *American Antiquity* 71(3):433-472.

Trevelyan, Amelia M.
2004 *Miskwabik: Metal of Ritual; Metallurgy in Precontact Eastern North America*. The University Press of Kentucky, Lexington.

Trigger, B. G.
1990 Monumental Architecture: A Thermodynamic Explanation of Symbolic Behaviour. *World Archaeology* 22(2):119-132.

Van de Pas, Lucienne, Rachel McTavish, and Amy Klemmer
2015 The Role of Animals in Oneota Subsistence and Agricultural Technology: A Case Study from the Lake Koshkonong Locality. Paper presented at the 59th Annual Meeting of the Midwest Archaeological Conference, Milwaukee, Wisconsin.

Van Dyke, R. M.
2011 Imagined Pasts Imagined: Memory and Ideology in Archaeology. In *Ideologies in Archaeology*, edited by Reinhard Bernbeck and Randall H. McGuire, pp. 233-253. University of Arizona Press, Tucson.

Van Horne, Wayne William
1993 *The Warclub: Weapon and Symbol in Southeastern Indian Societies.* Ph.D. Dissertation, Department of Anthropology, University of Georgia, Athens.

Vasilescu, Angela and Bogden Constantinescu
2011 XRF-Based Compositional Microanalysis for Provenance Studies of Metallic Artifacts. *Romanian Reports in Physics* 63(4):901-911.

Walder, Heather
2015 *"…A Thousand Beads to Each Nation:" Exchange, Interactions, and Technological Practices in the Upper Great Lakes c. 1630-1730*. Ph.D. dissertation, Department of Anthropology, University of Wisconsin, Madison.

Waring, A. J. and Preston Holder
1945 A Prehistoric Ceremonial Complex in the Southeastern United States. *American Anthropological Association* 47(1):1-34.

Webb, William S. and David L. DeJarnette
1942 *An Archaeological Survey of Pickwick Basin in the Adjacent Portions of Alabama, Mississippi, and Tennessee*. Bureau of American Ethnology Bulletin No.129. Washington, D.C.

Wilson, Stephen W.
2016 *Late prehistoric lithic economies in the Prairie Peninsula: A Comparison of Oneota and Langford in Southern Wisconsin and Northern Illinois*. Master of Science thesis, Department of Anthropology, University of Wisconsin-Milwaukee, Milwaukee.

Winters, Howard D.
1981 Excavating in Museums: Notes on Mississippian Hoes and Middle Woodland Copper Gouges and Celts. *Annals of the New York Academy of Sciences* 376(1):17-34.

Wittry, Warren
1950 *A Preliminary Study of the Old Copper Complex.* Bachelor of Arts thesis, Department of Anthropology, University of Wisconsin, Madison.

Winchell, N. H.
1911 *The Aborigines of Minnesota: A Report Based on the Collections of Jacob V. Brower, and on the Field Surveys and Notes of Alfred J. Hill and Theodore H. Lewis*. The Minnesota Historical Society, St. Paul.

Winkler, Daniel
2004 *Transitional Middle to Late Archaic Lithic Technology in Southeastern Wisconsin: The Kelly North Tract at Carcajou Point*. Master of Science thesis, Department of Anthropology, University of Wisconsin-Milwaukee, Milwaukee.
2011 *Plainview Lithic Technology and Late Paleoindian Social Organization in the Western Great Lakes.* Ph.D. dissertation, Department of Anthropology, University of Wisconsin-Milwaukee, Milwaukee.

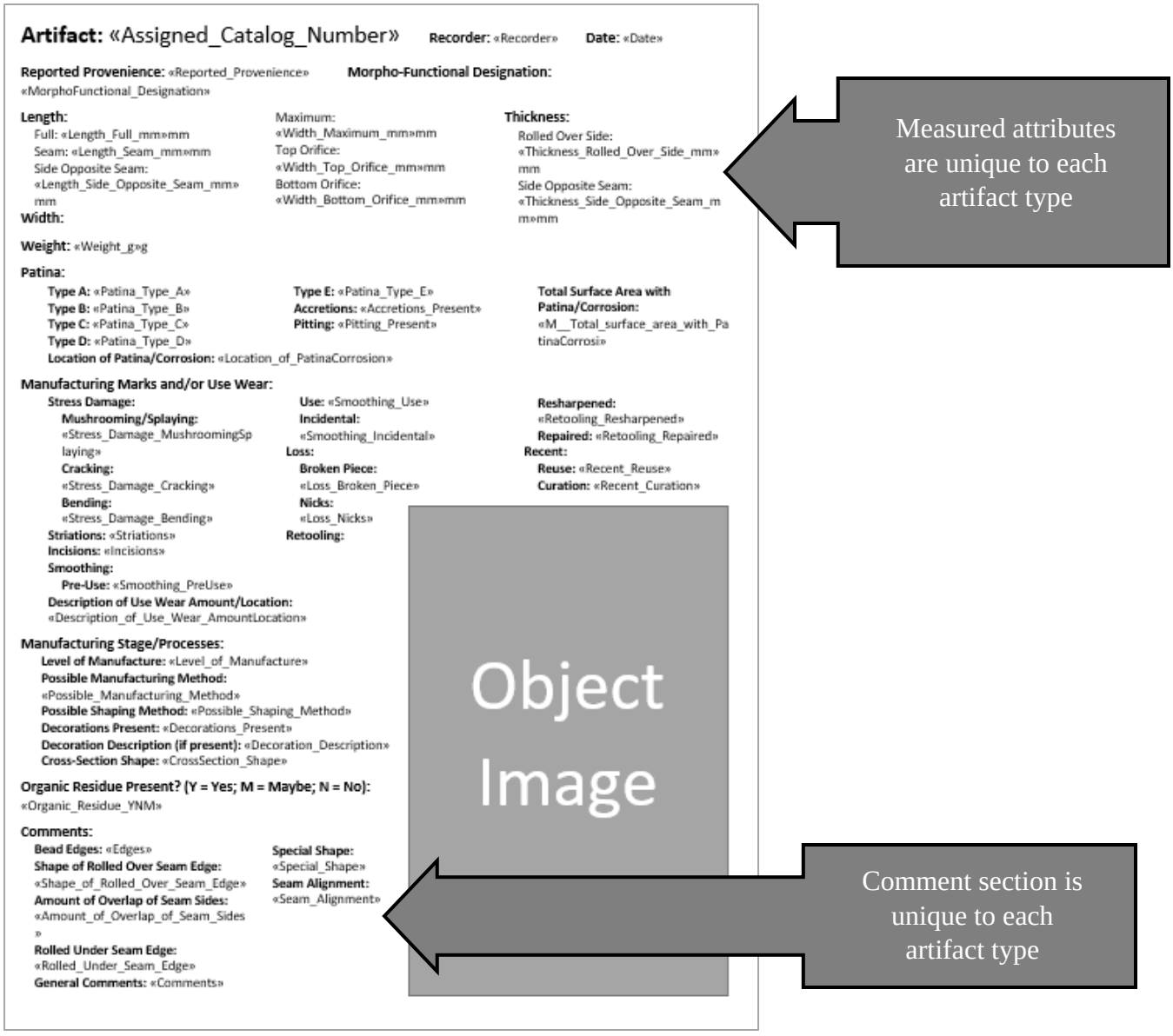
Winkler, Daniel and Robert J. Jeske
2008 The Clovis Occupation of the Schmeling Site (47JE833) in Jefferson County, Wisconsin. *Current Research in the Pleistocene* 25:99-102.

Wolf, Eric
1999 *Envisioning Power: Ideologies of Dominance and Crisis.* University of California Press: Berkeley.

Yerkes, Richard W.
1988 The Woodland and Mississippian Traditions in Prehistory of Midwestern North America. *Journal of Prehistory* 2(3):307-358.

APPENDIX A:
ARTIFACT FORM FOR DATA COLLECTION

The form below was populated from the Excel database using Word's mail merge feature. Forms were customized for each artifact type to reflect the individualized columns created for each type; below is a sample of the bead form. Accompanying catalog data will be an image of one or more of the object's size to scale. This document has information common to other copper studies including Rob Ahlrich's research of Mr. Bussey's Archaic copper collections from the Lake Koshkonong region.



APPENDIX B:
CODING SCHEMA FOR EXCEL DOCUMENTATION

Cell	Information Recorded by Cell	Type of Entry	Description of Code or Narrative	Location of Cell Data on Artifact Form

Assigned Catalog Number	Unique identifying number given to each artifact	Coded	• Alphanumeric designation
			• Letter:
			  ○ C = Crescent Bay
			  ○ K = Koshkonong Creek Village
			  ○ S = Schmeling
			  ○ B = Ladd's Field / Bussey Collection
			• Bussey Collection: Tray number will be noted after letter
			• Entries with multiple parts: Each part will be given a letter suffix and documented separately
			• Sample entry: B72-1A – From Crabapple Point, first object in Bussey's Tray 72, one part of Object #1
				Artifact

Reported Provenience	Site name and specific location (if known)	Narrative	Details of the artifact's provenience will be documented	Reported Provenience
Morphofunctional Designation	Assignment to a broad morphofunctional category	Coded	• 0 = awl • 1 = bead • 2 = pendant • 3 = fragment • 4 = tinkler cone • 5 = other ○ If 5 is used, a description of the object will be included in the comments of the entry	Morphofunctional Designation
Patina/Corrosion Section				
Patina Type A	Seafoam green in color (Munsell 2.5G 9/6, very light yellowish green)	Coded	• 0 = not present • 1 = present on 1-25% of object • 2 = present on 26-50% of object • 3 = present on 51-75% of object • 4 = present on 76-100% of object	Patina
Patina Type B	Vibrant teal in color (Munsell GLEY1 3/5, very dark grayish green), usually thicker, and more lustrous	Coded	• 0 = not present • 1 = present on 1-25% of object • 2 = present on 26-50% of object • 3 = present on 51-75% of object • 4 = present on 76-100% of object	Patina

Cell	Information Recorded by Cell	Type of Entry	Description of Code or Narrative	Location of Cell Data on Artifact Form
Patina Type C	Dark red/brown (Munsell 2.5YR ¾, dark reddish brown)	Coded	• 0 = not present • 1 = present on 1-25% of object • 2 = present on 26-50% of object • 3 = present on 51-75% of object • 4 = present on 76-100% of object	Patina
Patina Type D	Dark brown/black (Munsell 7.5YR 2/5, black), usually thicker	Coded	• 0 = not present • 1 = present on 1-25% of object • 2 = present on 26-50% of object • 3 = present on 51-75% of object • 4 = present on 76-100% of object	Patina
Patina Type E	Rusty yellow color (Munsell 5YR 5/8, yellowish red)	Coded	• 0 = not present • 1 = present on 1-25% of object • 2 = present on 26-50% of object • 3 = present on 51-75% of object • 4 = present on 76-100% of object	Patina
Accretions Present	Accretions are the "accumulation of extraneous materials on the surface [of an object]" (Motley 2010:70)	Coded	• 0 = not present • 1 = present on 1-25% of object • 2 = present on 26-50% of object • 3 = present on 51-75% of object • 4 = present on 76-100% of object	Patina
Pitting Present	"Small, irregular, shallow, pinhole-sized losses scattered over the surface of metal, caused by acidic conditions or resulting from the casting process" (Motley 2010:71)	Coded	• 0 = not present • 1 = present on 1-25% of object • 2 = present on 26-50% of object • 3 = present on 51-75% of object • 4 = present on 76-100% of object	Patina
% of Total Surface Area with Patina/Corrosion	The percent of the total surface area of the object covered by patina and/or corrosion was documented, but appears to be 100% for all objects	Coded	• 0 = not present • 1 = present on 1-25% of object • 2 = present on 26-50% of object • 3 = present on 51-75% of object • 4 = present on 76-100% of object	Patina
Location of Patina/Corrosion	Overview of major patina and corrosion on object	Narrative	Narrative will include most prevalent patina	Patina

Cell	Information Recorded by Cell	Type of Entry	Description of Code or Narrative	Location of Cell Data on Artifact Form
Use-Wear Section				
Stress Damage: Mushrooming / Splaying	"Mushrooming or splaying of edges was taken to be indicative of battering. For example, if a tool was used as a wedge, mushrooming would be expected on both proximal and distal ends. Smashing or bending back of edges could indicate pressure stresses" (Sievert Hohol 1984:18)	Coded	• 0 = not present • 1 = present	Evidences of Use-Wear
Stress Damage: Cracking	"Cracking may occur as a result of stress applied to anneal sutures. Cracking could occur also from environmental, or freeze/thaw stress. Fracture could result from excessive stress during use" (Sievert Hohol 1984:18)	Coded	• 0 = not present • 1 = present	Evidences of Use-Wear
Stress Damage: Bending	"Bending may result from excess pressure being applied to the tool against an unyielding worked material. Bending would occur more often to thin elements or elements held obliquely to the point of pressure. Bending might also occur at junctions of structurally weaker elements […]" (Sievert Hohol 1984:18)	Coded	• 0 = not present • 1 = present	Evidences of Use-Wear
Striations	"The softness of copper makes it prone to striation resulting from use, manufacturing techniques or weathering" (Sievert Hohol 1984:18)	Coded	• 0 = not present • 1 = present	Evidences of Use-Wear

Cell	Information Recorded by Cell	Type of Entry	Description of Code or Narrative	Location of Cell Data on Artifact Form
Incisions	Incisions differ from striations by penetrating deeper into the object's surface, and may be decorative elements. This term also has an implication of intentionality. Where striations are byproducts from manufacture methods or wear, the depth and placement of incisions indicate that the manufacturer intended for them to be seen in the final product	Coded	• 0 = not present • 1 = present	Evidences of Use-Wear
Smoothing: Pre-Use	"Smoothing or polishing of the edges" from "extended use which would buff areas to a polish" (Sievert Hohol 1984:19)	Coded	• 0 = not present • 1 = present	Evidences of Use-Wear
Smoothing: Use	"Smoothing or polishing of the edges" from "intentional pre-use polishing by the manufacturer" (Sievert Hohol 1984:19)	Coded	• 0 = not present • 1 = present	Evidences of Use-Wear
Smoothing: Incidental	"Smoothing or polishing of the edges" that is incidental and "could occur through handling or friction against haft or bindings. Hand held tools might become polished from repeat handling." (Sievert Hohol 1984:19)	Coded	• 0 = not present • 1 = present	Evidences of Use-Wear
Loss: Broken Piece	Fragmented objects, such as those that have previously broken in half	Coded	• 0 = not present • 1 = present	Evidences of Use-Wear
Loss: Nicks	Artifacts with small missing pieces, such as a bead with a portion missing from their edges due to extended use	Coded	• 0 = not present • 1 = present	Evidences of Use-Wear

Cell	Information Recorded by Cell	Type of Entry	Description of Code or Narrative	Location of Cell Data on Artifact Form
Retooling: Resharpened	"Resharpening is indicated if edges are found to have overlapping layers of beveling striation. […] Resharpening is also suggested when, in pieces for which edge striations are absent, the edges show thinning (Penman, 1977). Also, morphological changes such as systematic straightening out of convex edges can result from repeated re-sharpening" (Sievert Hohol 1984:19)	Coded	• 0 = not present • 1 = present	Evidences of Use-Wear
Retooling: Repaired	Sievert Hohol (1984:20) assumes "that the most common would be the hammering straight of bends or twists in the metal that result from use. [She expects] that stress marks of some type would betray the presence of repaired bending	Coded	• 0 = not present • 1 = present	Evidences of Use-Wear
Recent: Cleaned	Damage from contemporary artifact curation. "Cleaning or removal of patination from an artifact by means of abrasives can disrupt traces of striations or polishes resulting from prehistoric use or manufacture" (Sievert Hohol 1984:23)	Coded	• 0 = not present • 1 = present	Evidences of Use-Wear
Recent: Reuse	Damage from recent use. "Due to the similarity of [prehistoric] tools to many kinds of modern tools […] some artifacts may have been utilized post-discovery" (Sievert Hohol 1984:23-24)	Coded	• 0 = not present • 1 = present	Evidences of Use-Wear

Cell	Information Recorded by Cell	Type of Entry	Description of Code or Narrative	Location of Cell Data on Artifact Form
Recent: Curation	Damage from contemporary artifact storage. "Methods of curation could also affect the artifact. For example, two awls show a similar pattern. At approximately 2-3cm from each end there are transverse striations which appear to be recent since they cut deeply into the natural patina. These could only have been caused by thin wires having been used to hold the piece, most likely for display purposes" (Sievert Hohol 1984:24)	Coded	• 0 = not present • 1 = present	Evidences of Use-Wear
Description of Use-wear Amount / Location	Information about the use-wear of objects not covered in other coded columns	Narrative	A description of the amount and location of use-wear.	Evidences of Use-Wear
Manufacture Section				
Level of Manufacture	Based off of observations, this cell evaluates the level manufacturing or the stage of manufacture that this artifact exhibits	Coded	• 0 = unmodified • 1 = some modification • 2 = prepared blank • 3 = roughly manufactured artifact • 4 = moderately refined manufactured artifact • 5 = finely manufactured artifact • 6 = manufactured artifact probably significantly distorted after manufacture	Manufacturing Stage/Process
Possible Manufacturing Method	Based off of observations, this cell suggests the manufacturing technique implemented to create the object or the blank to make the object	Coded	• 0 = indistinguishable or N/A • 1 = folded over and cold hammered • 2 = possibly cut from copper or brass kettle	Manufacturing Stage/Process

Cell	Information Recorded by Cell	Type of Entry	Description of Code or Narrative	Location of Cell Data on Artifact Form
Possible Shaping Method	Based off of observations, this cell suggests the shaping technique implemented to form the final shape of the object	Coded	• 0 = indistinguishable or N/A • 1 = cut from blank and rolled, smooth • 2 = cut from blank and rolled, boxy • 3 = folded • 4 = cut from blank • 5 = cut from blank and punched • 6 = punched • 7 = hammered • 8 = ground • 9 = other ○ If 9 is used, a description of object will be included in the comments section of the entry	Manufacturing Stage/Process
Decorations Present	A note on whether decorations are present	Coded	• 0 = not present • 1 = possibly present • 2 = present	Manufacturing Stage/Process
Decoration Description	If decorations were added to the formed object (e.g. decorative incisions were placed on a bead but not the decorative nature of the bead form/function itself), a description of these decorative elements will be noted here	Narrative	Description of what type of decoration and where it is located on the object.	Manufacturing Stage/Process
Cross Section Shape	A general description of the form of the artifact's cross section	Coded	• 0 = N/A • 1 = flat • 2 = circular • 3 = triangular • 4 = oval • 5 = square • 6 = polygonal	Manufacturing Stage/Process
Other Comments Section				
Weight (g)	Maximum weight of object	Numeral	Measured to nearest tenth of a gram	Weight

Cell	Information Recorded by Cell	Type of Entry	Description of Code or Narrative	Location of Cell Data on Artifact Form
Organic Residue	Whether any organic residue is present	Coded / Narrative	This cell will first give a coded letter describing whether organic residue is present: • Y = Yes, there is organic residue present • M = Maybe there is organic residue present • N = There is no organic residue present This letter will be followed by a narrative (if applicable) describing the location/nature of the organic residue.	Organic Residue
Photo #s	Numbers of digital photographs that were taken of the object	Narrative	The date that the image was taken will first be noted followed by a range of the numbers assigned to the digital images by the digital camera	Photo #s
Comments	Any information not covered in other cells or clarifications about coding	Narrative	Brief comments only including information not covered in other cells or clarifying code designation for an attribute.	Comments
Recorder	Initials of individual recording artifact data in Excel file	Narrative	JMP = Jacqueline Marie Pozza	Recorder
Date	Date of catalog entry	Numeral	Noted in the following format: month/date/year	Date
Awls Only Section				
Pointed	For needle-like ends or ends that were probably intended to be needle-like but show some wear	Coded	• 0 = not present • 1 = present	Comments
Tapered	For ends that are narrowed but not exactly pointed or were probably intended to be tapered but show some wear	Coded	• 0 = not present • 1 = present	Comments
Splayed	A flared out, mushroomed end that may have been from manufacture or is a result from use	Coded	• 0 = not present • 1 = present	Comments
Broken	A term used to describe the fractured end of an awl	Coded	• 0 = not present • 1 = present	Comments
Length: Maximum (mm)	Maximum length of awl	Numeral	Measured to nearest hundredth of a millimeter	Length
Width: Center of Body (mm)	Widest measurement at approximate center of awl body	Numeral	Measured to nearest hundredth of a millimeter	Width

Cell	Information Recorded by Cell	Type of Entry	Description of Code or Narrative	Location of Cell Data on Artifact Form
Width: End 1 (mm)	Maximum width taken two millimeters from end tip in direction of center width measurement	Numeral	Measured to nearest hundredth of a millimeter	Width
Width: End 2 (mm)	Maximum width taken two millimeters from end tip in direction of center width measurement	Numeral	Measured to nearest hundredth of a millimeter	Width
Thickness: Center of Body (mm)	Maximum thickness taken 90 degrees from width measurement	Numeral	Measured to nearest hundredth of a millimeter	Thickness
Thickness: End 1 (mm)	Maximum thickness taken two millimeters from end tip in direction of center thickness measurement	Numeral	Measured to nearest hundredth of a millimeter	Thickness
Thickness: End 2 (mm)	Maximum thickness taken two millimeters from end tip in direction of center thickness measurement	Numeral	Measured to nearest hundredth of a millimeter	Thickness
Angle of Pointed Edge	Measurement taken two millimeters back from edge	Coded	• 0 = N/A • 1 = 0-45 degrees • 2 = 46-75 degrees • 3 = greater than 75 degrees	Comments
Beads Only Section				
Edges	The finish of the bead's edges, whether they were left irregular or were cleanly cut to create more even ends	Coded	• 0 = irregularly cut • 1 = cleanly cut	Comments
Shape of Rolled Over Seam Edge	Form of the rolled over side as it creates the outward seam edge	Coded	• 0 = broken • 1 = squared • 2 = flared • 3 = tapered • 4 = irregular	Comments

Cell	Information Recorded by Cell	Type of Entry	Description of Code or Narrative	Location of Cell Data on Artifact Form
Amount of Overlap of Seam Sides	How much of the two seam edges are overlapped to enclose the bead shape	Coded	• 0 = seam sides not touching • 1 = 1-90 degrees • 2 = 91-180 degrees • 3 = 181-270 degrees • 4 = 271-260 degrees • 5 = 360+ degrees	Comments
Rolled Under Seam Edge	A comment on the state of the rolled under seam edge, whether it was smoothed up against the outer edge, has a slight pinched section extending into the interior of the bead, or if this edge cannot be observed due to the current state of the bead	Coded	• 0 = indeterminate • 1 = smoothed • 2 = pinched	Comments
Special Shape	Any shape that does not fit the predominant cylindrical bead form that is roughly three times as long as its width	Coded	• 0 = no special shape • 1 = globular • 2 = tubular • 3 = other ○ If 3 is used, then a description of the object will be included in the comment section of the entry	Comments
Seam Alignment	Alignment of the rolled under and over side edges to create the seam	Coded	• 0 = flush • 1 = askew	Comments
Length: Full (mm)	Maximum length of bead	Numeral	Measured to nearest hundredth of a millimeter	Length
Length: Seam (mm)	Maximum length of seam side	Numeral	Measured to nearest hundredth of a millimeter	Length
Length: Side Opposite Seam (mm)	Maximum length of side opposite of seam	Numeral	Measured to nearest hundredth of a millimeter	Length
Width: Maximum (mm)	Maximum width of bead with seam facing upward	Numeral	Measured to nearest hundredth of a millimeter	Width
Width: Top Orifice (mm)	Maximum width of top orifice (formed by upper bead edge) measured two millimeters from bead edge	Numeral	Measured to nearest hundredth of a millimeter	Width

Cell	Information Recorded by Cell	Type of Entry	Description of Code or Narrative	Location of Cell Data on Artifact Form
Width: Bottom Orifice (mm)	Maximum width of bottom orifice (formed by lower bead edge) measured two millimeters from bead edge	Numeral	Measured to nearest hundredth of a millimeter	Width
Thickness: Rolled Over Side (mm)	Maximum thickness two millimeters from bead edge of rolled over side	Numeral	Measured to nearest hundredth of a millimeter	Thickness
Thickness: Side Opposite Seam (mm)	Maximum thickness two millimeters from bead edge of side opposite seam	Numeral	Measured to nearest hundredth of a millimeter	Thickness
Tinkler Cones Only Section				
Edges	The finish of the cone's edges, whether they were left irregular or were cleanly cut to create more even ends	Coded	• 0 = irregularly cut • 1 = cleanly cut	Comments
Shape of Rolled Over Seam Edge	Form of the rolled over side as it creates the outward seam edge	Coded	• 0 = broken • 1 = squared • 2 = flared • 3 = tapered • 4 = irregular	Comments
Amount of Overlap of Seam Sides	How much of the two seam edges are overlapped to enclose the cone shape	Coded	• 0 = seam sides not touching • 1 = 1-90 degrees • 2 = 91-180 degrees • 3 = 181-270 degrees • 4 = 271-260 degrees • 5 = 360+ degrees	Comments
Rolled Under Seam Edge	A comment on the state of the rolled under seam edge, whether it was smoothed up against the outer edge, has a slight pinched section extending into the interior of the cone, or if this edge cannot be observed due to the current state of the cone	Coded	• 0 = indeterminate • 1 = smoothed • 2 = punched	Comments
Seam Alignment	Alignment of the rolled under and over side edges to create the seam	Coded	• 0 = flush • 1 = askew	Comments

Cell	Information Recorded by Cell	Type of Entry	Description of Code or Narrative	Location of Cell Data on Artifact Form
Length: Full (mm)	Maximum length of cone	Numeral	Measured to nearest hundredth of a millimeter	Length
Length: Seam (mm)	Maximum length of seam side	Numeral	Measured to nearest hundredth of a millimeter	Length
Length: Side Opposite Seam (mm)	Maximum length of side opposite of seam	Numeral	Measured to nearest hundredth of a millimeter	Length
Width: Top (mm)	Maximum width of the top of the cone with seam facing upward	Numeral	Measured to nearest hundredth of a millimeter	Width
Width: Base (mm)	Maximum width of base of the cone with seam facing upward	Numeral	Measured to nearest hundredth of a millimeter	Width
Width: Top Orifice (mm)	Maximum width of top orifice measured two millimeters from bead edge	Numeral	Measured to nearest hundredth of a millimeter	Width
Width: Base Orifice (mm)	Maximum width of base orifice measured two millimeters from bead edge	Numeral	Measured to nearest hundredth of a millimeter	Width
Thickness: Rolled Over Side (mm)	Maximum thickness two millimeters from base edge of rolled over side	Numeral	Measured to nearest hundredth of a millimeter	Thickness
Thickness: Side Opposite Seam (mm)	Maximum thickness two millimeters from base edge of side opposite seam	Numeral	Measured to nearest hundredth of a millimeter	Thickness
Pendants Only Section				

Attachment Type	Description of feature used to attach the pendant to another object, such as a rope or piece of leather	Coded	• 0 = attachment not present or indistinguishable
			• 1 = rolled over
			• 2 = punched
			  ○ If 2 is used, the amount of punches will be noted in the comments of the entry
			• 3 = other
			  ○ If 3 is used, a description of the object will be included in the comments of the entry
				Comments

Cell	Information Recorded by Cell	Type of Entry	Description of Code or Narrative	Location of Cell Data on Artifact Form
Pendant Shape	Overall shape of the pendant	Coded	• 0 = indeterminate shape • 1 = serpentine • 2 = circular • 3 = mace-shaped • 4 = talon-shaped • 5 = shield-shaped • 6 = teardrop-shaped • 7 = trapezoidal • 8 = triangular • 9 = other	Comments
End Shape	Description of the shape of the pendant's end, which is opposite the head	Coded	• 0 = broken • 1 = pointed • 2 = tapered • 3 = squared/flat • 4 = polygonal • 5 = rounded • 6 = other	Comments
Length: Full (mm)	Maximum length of entire object	Numeral	Measured to nearest hundredth of a millimeter	Length
Length: Head (mm)	Maximum length of head	Numeral	Measured to nearest hundredth of a millimeter	Length
Length: Body (mm)	Maximum length of body	Numeral	Measured to nearest hundredth of a millimeter	Length
Width: Full (mm)	Maximum width of entire object	Numeral	Measured to nearest hundredth of a millimeter	Width
Width: Head (mm)	Maximum head width	Numeral	Measured to nearest hundredth of a millimeter	Width
Width: Body (mm)	Maximum body width	Numeral	Measured to nearest hundredth of a millimeter	Width
Thickness: Head (mm)	Center of rolled over side or punctured head	Numeral	Measured to nearest hundredth of a millimeter	Thickness
Thickness: Body (mm)	Maximum body thickness	Numeral	Measured to nearest hundredth of a millimeter	Thickness

Cell	Information Recorded by Cell	Type of Entry	Description of Code or Narrative	Location of Cell Data on Artifact Form
Fragments Only Section				
General Shape	Descriptive code for the general shape of the fragment.	Coded	• 0 = irregular • 1 = round • 2 = triangular • 3 = oval • 4 = square • 5 = polygonal	Comments
Possible Intended Form	Assumption of intended form based on observations.	Coded	• 0 = indeterminate • 1 = awl • 2 = bead • 3 = pendant • 4 = tinkler cone • 5 = other ○ If 5 is used, a description of the object will be included in the comments of the entry	Comments
Length (mm)	Maximum length (using flat edge to orient object if present)	Numeral	Measured to nearest hundredth of a millimeter	Length
Width (mm)	Maximum width, 90 degrees from length	Numeral	Measured to nearest hundredth of a millimeter	Width
Thickness (mm)	Maximum thickness	Numeral	Measured to nearest hundredth of a millimeter	Thickness

APPENDIX C:
AWLS OF THE CRABAPPLE POINT, CRESCENT BAY HUNT CLUB, SCHMELING, AND KOSHKONONG CREEK VILLAGE SITES

Artifact: BW-1

Recorder: JMP **Date:** 4/27/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 25.33mm

Width:
Center of body: 3.52mm
End 1: 0.78mm
End 2: 1.98mm

Thickness:
Center of body: 3.09mm
End 1: 0.78mm
End 2: 1.98mm

Weight: 0.9g

Patina:

Type A: Present on 1-25% of object
Type B: Not present
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 1-25% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C throughout with areas of Type A and accretions. Type D along recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Description of Use-Wear Amount/Location: Pointed tip slightly bent. Cracks/striations throughout body that appear to be from fold over hammered manufacturing. Tapered end may have an area missing or the recess could be from manufacture. Possibly resharpened? Possible nick near pointed end? Has channeling from center to tapered end on one side.

Smoothing:
Pre-Use: Present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present

Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Circular

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:

Edges:
Pointed: Present
Tapered: Present
Flattened: Not present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 0-45 degrees
General Comments:

Artifact: BW-2

Recorder: JMP **Date:** 4/27/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 77.12mm

Width:
Center of body: 5.24mm
End 1: 2.56mm
End 2: 2.96mm

Thickness:
Center of body: 4.84mm
End 1: 2.56mm
End 2: 2.96mm

Weight: 9.2g

Patina:

Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 26-50% of object
Type E: Present on 1-25% of object
Accretions: Present on 26-50% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C throughout with areas of Type A and accretions. Type D along recesses and Type E near cracked portions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Ends are worn, possibly from use with the slimmer end having a slight bend. Areas around center of body are cracked and slightly separated from body (a signature of fold over hammered manufacturing). Some light striations running parallel to awl's body. Slight worn line across body closer to slimmer end, possibly from hafting? Has channeling in center - from center to one tapered end away from bend (some on bent side) on one side, square to circular cross-section.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:

Edges:
Pointed: Not present
Tapered: Present
Flattened: Not present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: N/A
General Comments: Slimmer end = End 1.

Artifact: BW-3

Recorder: JMP **Date:** 4/27/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 25.02mm

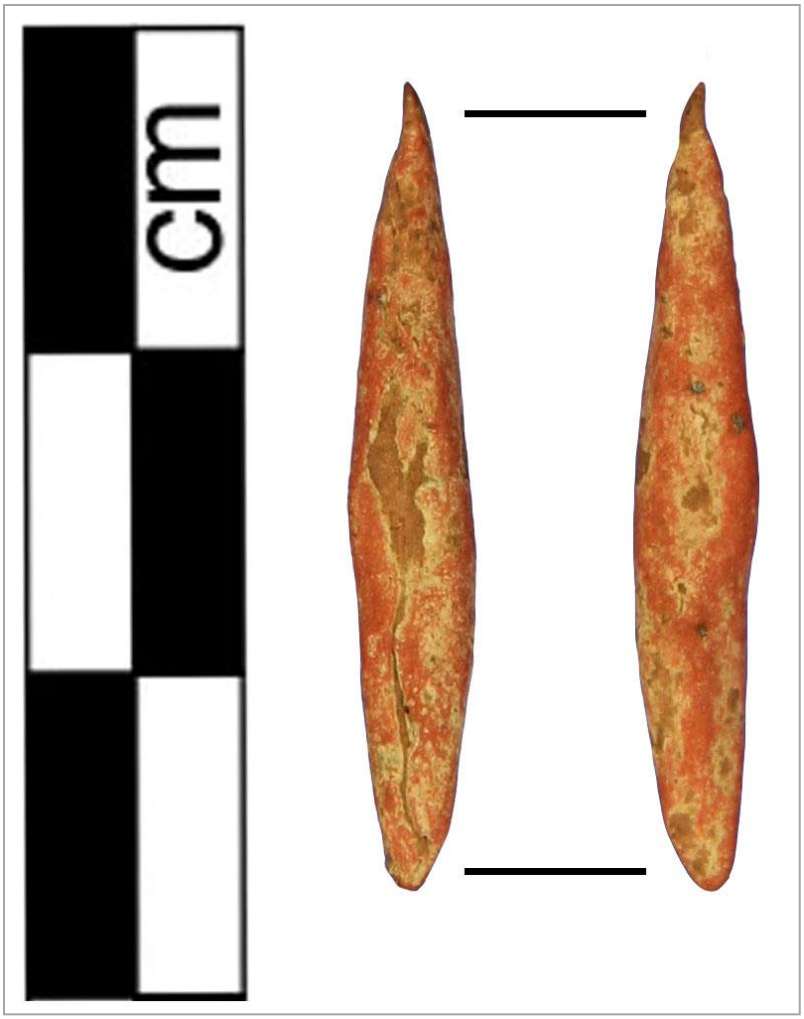
Width:
Center of body: 3.82mm
End 1: 1.8mm
End 2: 0.6mm

Thickness:
Center of body: 3.1mm
End 1: 1.8mm
End 2: 0.6mm

Weight: 1g

Patina:
Type A: Present on 1-25% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 1-25% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C throughout with areas of Type A and accretions. Type D along recesses.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Slight bend near thinner pointed tip. Cracks extending from thicker end and running along body, probably from fold over hammered manufacturing. Thicker end also seems to be smoothed.



Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:
Edges:
Pointed: Present
Tapered: Not present
Flattened: Not present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 0-45 degrees
General Comments: Slimmer end = End 1.

Artifact: BW-4

Recorder: JMP **Date:** 4/27/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 55.22mm

Width:
Center of body: 5.44mm
End 1: 2.21mm
End 2: 2.31mm

Thickness:
Center of body: 5.26mm
End 1: 2.21mm
End 2: 2.31mm

Weight: 6g

Patina:

Type A: Present on 26-50% of object
Type B: Not present
Type C: Present on 1-25% of object
Type D: Not present
Type E: Present on 1-25% of object
Accretions: Present on 1-25% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 26-50% of object
Location of Patina/Corrosion: Areas of Type A throughout with some accretions and Type D. Type C near cracks.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Ends are worn, possibly from use. Crack starting near one end and extending into body, probably from fold over hammering manufacture. Light striations follow body, possibly from shaping. One half of body has a line of smoothed polish, perhaps a sign that the awl was hafted? Has channeling in center - center to one of two tapered ends on one side, square to circular.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No):
N

Comments:

Edges:
Pointed: Not present
Tapered: Present
Flattened: Not present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: N/A
General Comments: Slimmer end nearer to crack = End 1.

Artifact: BW-5

Recorder: JMP **Date:** 4/27/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 62.66mm

Width:
Center of body: 3.22mm
End 1: 0.64mm
End 2: 1.86mm

Thickness:
Center of body: 3.06mm
End 1: 0.64mm
End 2: 1.86mm

Weight: 3.3g

Patina:

Type A: Present on 51-75% of object
Type B: Not present
Type C: Present on 26-50% of object
Type D: Not present
Type E: Not present

Accretions: Present on 51-75% of object
Pitting: Present on 1-25% of object
Total Surface Area with

Patina/Corrosion: Present on 76-100% of object

Location of Patina/Corrosion: Type A throughout, especially along edges. Type D along half closer to tapered edge.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Not present
Incidental: Present
Loss:
Broken Piece: Not present

Nicks: Not present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Bending/smoothing along edges of squared sides possibly from shaping or from hafting. Has channeling in center - running down entire center on both sides.

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:

Edges:
Pointed: Present
Tapered: Present
Flattened: Not present
Splayed: Not present

Broken: Not present
Angle of Pointed Edge: 0-45 degrees

General Comments: Looks like object was hafted. Half with pointed edge is squared, whereas half with tapered edge is smoothed and rounded.

Artifact: B75-1

Recorder: JMP **Date:** 4/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 43.93mm

Width:
Center of body: 3.48mm
End 1: 1.18mm
End 2: 2.5mm

Thickness:
Center of body: 3.22mm
End 1: 1.18mm
End 2: 2.5mm

Weight: 2.4g

Patina:
Type A: Present on 26-50% of object
Type B: Not present
Type C: Not present
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A throughout especially on half closer to pointed end.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Not present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Very end of pointed tip has cracked and splayed. Third of body closest to pointed end is bent. About half of awl with pointed end is square and has incisions running along the body following the edges of the square. The other half of the awl closest to the tapered end has a rounded cross section and there are some striations that run perpendicularly around the awl's body. Possibly hafted. Possibly has channeling in center - from center toward 2/3 of both ends possibly on both sides.

Manufacturing Stage/Processes:
Level of Manufacture: Finely manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:
Edges:
Pointed: Present
Tapered: Present
Flattened: Not present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 0-45 degrees
General Comments: Square and circular cross section. Possible fishhook or needle?

Artifact: B75-2

Recorder: JMP **Date:** 4/29/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 62.14mm

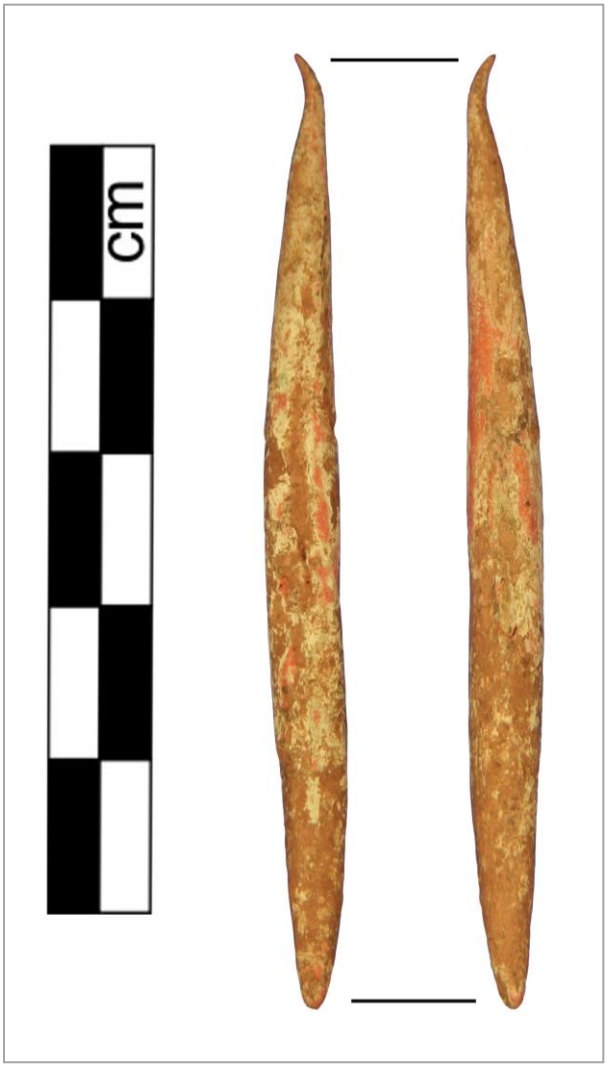
Width:
Center of body: 5.16mm
End 1: 0.72mm
End 2: 1.64mm

Thickness:
Center of body: 4.37mm
End 1: 0.72mm
End 2: 1.64mm

Weight: 5.9g

Patina:
Type A: Present on 76-100% of object
Type B: Not present
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A throughout with some areas of Type C, especially near center.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Roughly a 3.5mm section of pointed tip bent. Very tip also exhibits some polish. Shape of awl indicates that it might have started as having a square cross-section that was then rounded. There are squarer sides and evidence that the corners were smoothed over. Possibly hafted? Has channeling in center - from center toward pointed tip about 2/3 of the way until it is rounded on both sides.



Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y= Yes; M = Maybe; N = No):
N

Comments:
Edges:
Pointed: Present
Tapered: Present
Flattened: Not present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 0-45 degrees
General Comments: Square and circular cross section.

Artifact: B75-3

Recorder: JMP **Date:** 4/30/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 68.49mm

Width:
Center of body: 7.55mm
End 1: 1.08mm
End 2: 3.12mm

Thickness:
Center of body: 7.3mm
End 1: 1.08mm
End 2: 3.12mm

Weight: 13.9g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A throughout with some areas of Type C, especially near center.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Not present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Third of awl closest to pointed end bent into a slight "S" shape. Shape of awl indicates that it might have started as having a square cross-section that was then rounded. There are squarer sides and evidence that the corners were smoothed over. Third of awl near tapered end has light striations that run across awl body/end, which may indicate awl was hafted. Some accretion on third of awl nearest tapered end may be an adhesive? Corners of original square shape appear to be scraped on the third of the awl. At point where awl is bent, there are slight striations that run perpendicular to awl's body.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y= Yes; M = Maybe; N = No):
N

Comments:

Edges:
Pointed: Present
Tapered: Present
Flattened: Not present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 0-45 degrees
General Comments: Possible adhesive attached?

Artifact: B75-4

Recorder: JMP **Date:** 4/30/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 26.23mm

Width:
Center of body: 3.01mm
End 1: 0.97mm
End 2: 2.06mm

Thickness:
Center of body: 2.77mm
End 1: 0.97mm
End 2: 2.06mm

Weight: 0.9g

Patina:
Type A: Present on 1-25% of object
Type B: Not present
Type C: Present on 1-25% of object
Type D: Not present
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with areas of Types A and C along edges of square cross-section.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Not present
Description of Use-Wear Amount/Location: Slightly worn area running transverse to awl's body near center of awl. Possibly wear from hafting? Tip of pointed end is worn with a slight discoloration/polish. Square cross section with tapered end more rounded. Evidence for hafting? Has channeling in center - throughout on one side.

Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Not present

Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Manufacturing Stage/Processes:
Level of Manufacture: Finely manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:
Edges:
Pointed: Present
Tapered: Present
Flattened: Not present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 0-45 degrees
General Comments:

Artifact: B75-5

Recorder: JMP **Date:** 4/30/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 39.93mm

Width:
Center of body: 4.61mm
End 1: 0.75mm
End 2: 3.2mm

Thickness:
Center of body: 3.85mm
End 1: 0.75mm
End 2: 3.2mm

Weight: 2.4g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions. Type D along recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Present
Loss:
Broken Piece: Present
Nicks: Not present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Irregular surface either from manufacture or deterioration. Tapered end may be broken? This end is concave with sharp edges. Slight "S" bend near pointed end. Slight cracks throughout. Slight discoloration at the tip. Has channeling in center - from center to broken edge on one side.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y= Yes; M = Maybe; N = No): M - in broken end?

Comments:

Edges:
Pointed: Present
Tapered: Not present
Flattened: Not present
Splayed: Not present
Broken: Present
Angle of Pointed Edge: 0-45 degrees
General Comments: Broken end?

Artifact: B75-6

Recorder: JMP **Date:** 4/30/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 42.83mm

Width:
Center of body: 3.01mm
End 1: 0.72mm
End 2: 1.33mm

Thickness:
Center of body: 1.85mm
End 1: 0.72mm
End 2: 1.33mm

Weight: 1g

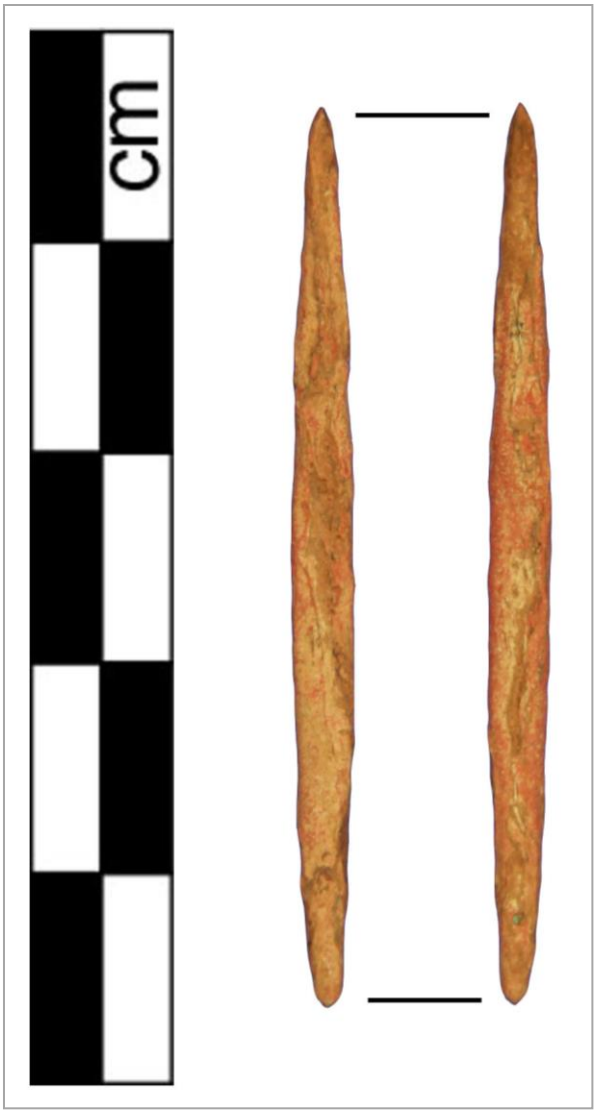
Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions. Type D along recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location:
Striations/cracks run longitudinally along entirety of awl. Pointed end has slight discolor. Center slightly thinner than rest of awl's body, from attachment?. Surface is slightly flakey. Has channeling in center - throughout on both sides.



Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No):
N

Comments:

Edges:
Pointed: Present
Tapered: Present
Flattened: Not present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 0-45 degrees
General Comments:

Artifact: B75-7

Recorder: JMP **Date:** 4/30/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 30.38mm

Width:
Center of body: 3.07mm
End 1: 1.36mm
End 2: 2.55mm

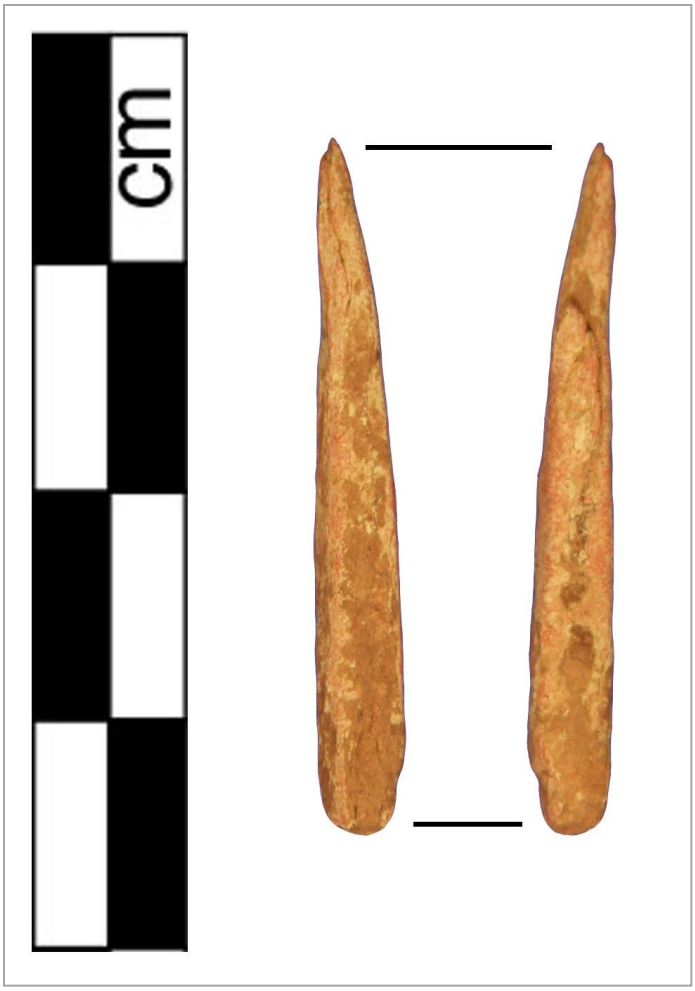
Thickness:
Center of body: 2.91mm
End 1: 1.36mm
End 2: 2.55mm

Weight: 1.6g

Patina:
Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions. Type D along recesses.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Separated section on body of awl tip with cracks stemming down from it. S bend near pointed end. Probably from folded over hammered manufacturing. Flattened end has slight step near it on one side, possibly from manufacturing or could be a loss of material. Pointed tip may have slight nick. Has channeling in center - from center toward stepped flat end on one side.



Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:
Edges:
Pointed: Present
Tapered: Not present
Flattened: Present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 0-45 degrees
General Comments:

Artifact: B75-8

Recorder: JMP **Date:** 4/30/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 25.04mm

Width:
Center of body: 3.01mm
End 1: 0.87mm
End 2: 2.24mm

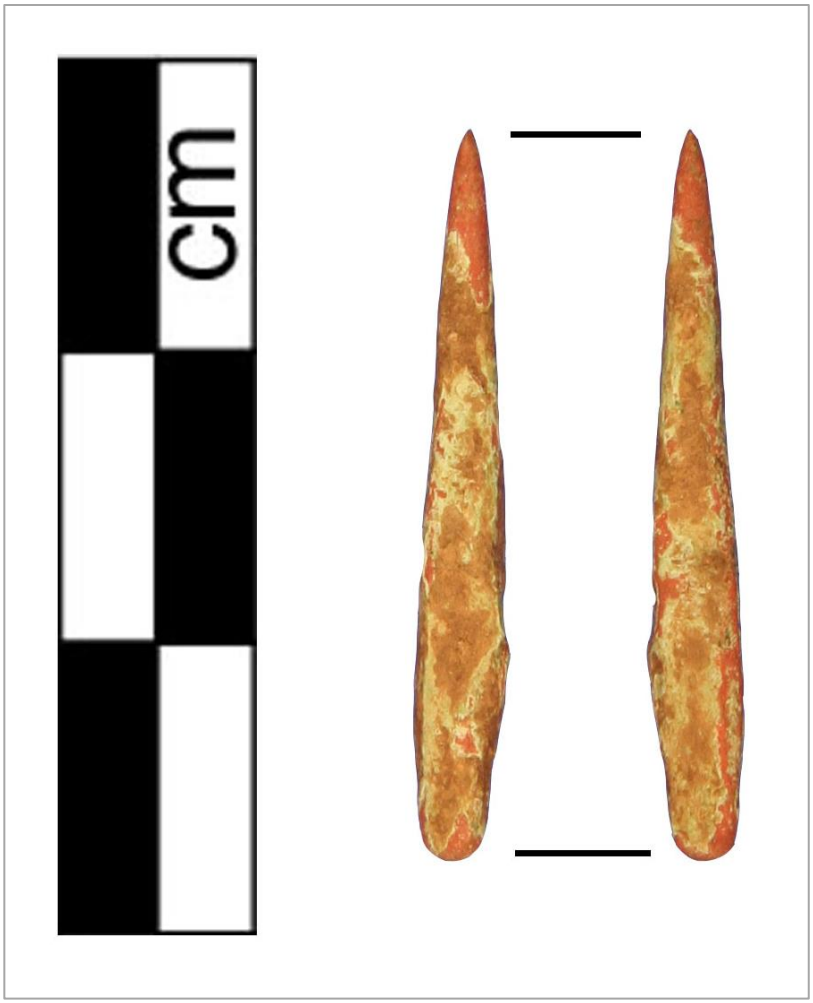
Thickness:
Center of body: 2.89mm
End 1: 0.87mm
End 2: 2.24mm

Weight: 0.9g

Patina:
Type A: Present on 76-100% of object
Type B: Not present
Type C: Present on 51-75% of object
Type D: Not present
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout with areas of Type C.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Flattened end is slightly thinner than rest of awl and has striations running transversely across awl body. Possibly hafted? More rounded than rest of awl. Has channeling in center - from center toward flattened end on both sides.



Manufacturing Stage/Processes:
Level of Manufacture: Finely manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:
Edges:
Pointed: Present
Tapered: Not present
Flattened: Present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 0-45 degrees
General Comments:

Artifact: B75-9

Recorder: JMP **Date:** 4/30/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 39.13mm

Width:
Center of body: 3.86mm
End 1: 0.75mm
End 2: 3.46mm

Thickness:
Center of body: 3.62mm
End 1: 0.75mm
End 2: 3.46mm

Weight: 2.6g

Patina:

Type A: Present on 76-100% of object
Type B: Not present
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions. Type D along recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Present
Loss:
Broken Piece: Present
Nicks: Present
Retooling:
Reharpened: Not present
Repaired:
Not present
Recent:
Cleaned:
Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Broken end? One half of the broken end is slightly splayed outward. Cracks/striations run throughout the awl longitudinally, and may be from fold over hammered manufacturing. Two worn nicks on opposite sides near pointed tip, perhaps used for boring. Has channeling in center - from center to pointed end on one side and from center to broken end on the other.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No):
N

Comments:

Edges:
Pointed: Present
Tapered: Not present
Flattened: Not present
Splayed: Not present
Broken:
Present
Angle of Pointed Edge:
0-45 degrees
General Comments:

Artifact: B75-10

Recorder: JMP **Date:** 4/30/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 50.68mm

Width:
Center of body: 4.82mm
End 1: 1.62mm
End 2: 1.72mm

Thickness:
Center of body: 4.32mm
End 1: 1.62mm
End 2: 1.72mm

Weight: 4.9g

Patina:

Type A: Present on 76-100% of object
Type B: Not present
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions. Type D along recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Shape suggests that cross-section started as a square and was rounded into an oval. Cracks and striations running longitudinally along the body of the entire awl, probably from the fold over hammered manufacturing. Hole near center of awl also looks like an impurity during manufacturing. Pointed end smoothed from use. Has channeling in center - from center toward both tapered ends on one side.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y= Yes; M = Maybe; N = No):
N

Comments:

Edges:
Pointed: Present
Tapered: Present
Flattened: Not present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 46-75 degrees
General Comments:

Artifact: B75-11

Recorder: JMP **Date:** 4/30/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 45.64mm

Width:
Center of body: 4.41mm
End 1: 1.73mm
End 2: 2mm

Thickness:
Center of body: 3.38mm
End 1: 1.73mm
End 2: 2mm

Weight: 3g

Patina:
Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Present on 1-25% of object
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout with areas of Type C.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Polish in center of awl with some deep diagonal incisions on one side spiraling toward pointed end and on the other side incisions run diagonally toward the same pointed end. One end is thinner/flatter and one end is tapered and looks like it may have been pointed at one time and worn down. Slightly worn line running transverse to awl body near more tapered end that may be evidence of boring. Another slightly worn line transverse to awl body near opposite end, which may be from hafting. Slight "S" bend throughout body of awl. Has channeling in center - from center to one pointed end with the incisions on both sides, side with polish also has line extending to other pointed end.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:
Edges:
Pointed: Not present
Tapered: Present
Flattened: Not present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: N/A
General Comments: End two is flattened end.

Artifact: B75-12

Recorder: JMP **Date:** 4/30/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 39.04mm

Width:
Center of body: 4.37mm
End 1: 1.39mm
End 2: 1.02mm

Thickness:
Center of body: 2.36mm
End 1: 1.39mm
End 2: 1.02mm

Weight: 1.6g

Patina:

Type A: Present on 76-100% of object
Type B: Not present
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions. Type D along recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: One end possibly broken with cracks extending from possible missing area. Crack near tapered end stemming down body with some separation. Worn striation running from tapered end toward center of awl. Body's surface and shape is irregular, probably from manufacture.

Manufacturing Stage/Processes:

Level of Manufacture: Roughly manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No):
N

Comments:

Edges:
Pointed: Not present
Tapered: Present
Flattened: Not present
Splayed: Not present
Broken: Present
Angle of Pointed Edge: N/A
General Comments:

Artifact: B75-13

Recorder: JMP **Date:** 4/30/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 45.89mm

Width:
Center of body: 3.71mm
End 1: 1.71mm
End 2: 2.93mm

Thickness:
Center of body: 3.13mm
End 1: 1.71mm
End 2: 2.93mm

Weight: 2.8g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions. Type D along recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Reharpened: Present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Shape suggests that cross-section started as a square and was rounded into an oval. Striations and recessed areas appear to be from fold over hammered manufacturing. Dents near tapered end look to be from manufacturing or could be from reshaping. Bend near 1/3 of tapered end and one possible slight bend at center. Tapered end could have been pointed at one point and worn down from use. Has channeling in center-- at center on one side and throughout on other side and especially deep at center.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y= Yes; M = Maybe; N = No):
N

Comments:

Edges:
Pointed: Not present
Tapered: Present
Flattened: Present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 0-45 degrees
General Comments:

Artifact: B75-14

Recorder: JMP **Date:** 4/30/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 54.69mm

Width:
Center of body: 5.02mm
End 1: 1.93mm
End 2: 2.21mm

Thickness:
Center of body: 4.91mm
End 1: 1.93mm
End 2: 2.21mm

Weight: 4.4g

Patina:

Type A: Present on 26-50% of object
Type B: Not present
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Present on 1-25% of object
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout with areas of Type C.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Not present
Retooling:
Reharpened: Present
Repaired: Present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Possible break from center running longitudinally to broken edge. Could also have been from impurity in copper during manufacture since sides of "broken" area is slightly smoothed over. Or perhaps repaired or resharpened. Cracks and separated layers on tapered edge. Has channeling in center - that break on one end, on one side may just be an impurity though why would they leave it like that.

Manufacturing Stage/Processes:

Level of Manufacture: Roughly manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:

Edges:
Pointed: Not present
Tapered: Present
Flattened: Not present
Splayed: Not present
Broken: Present
Angle of Pointed Edge: N/A
General Comments:

Artifact: B75-15

Recorder: JMP **Date:** 4/30/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 62.55mm

Width:
Center of body: 4.09mm
End 1: 0.72mm
End 2: 2.38mm

Thickness:
Center of body: 3.46mm
End 1: 0.72mm
End 2: 2.38mm

Weight: 3.7g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions. Type D along recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: One end pointed and one end flattened and thinned. Polish near center of awl body closer to tapered end, possibly from hafting. Slight bend near center of awl closer to pointed end. At bend, there is a worn line. Body closer to tapered end. *Has that channeling in center -- from center to 2/3 of both ends on one side and throughout on other side, Shape suggests that cross-section started as a square and was rounded into an oval.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:

Edges:
Pointed: Present
Tapered: Present
Flattened: Not present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 0-45 degrees
General Comments:

Artifact: B75-16

Recorder: JMP **Date:** 4/30/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 53.38mm

Width:
Center of body: 4.96mm
End 1: 1.22mm
End 2: 2.74mm

Thickness:
Center of body: 4.54mm
End 1: 1.22mm
End 2: 2.74mm

Weight: 4.9g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Present on 1-25% of object
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions. Type D along recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Shape suggests that cross-section started as a square and was rounded into an oval. Polish in center of awl body where corners of squares were originally. Slight colors and polish on very tip of pointed end of awl. Tapered end is very rounded. Very slight cracks and striations running longitudinally along awl. Spiraling cracks/incisions toward tapered end on both sides. Slight bend near pointed tip. Has channeling in center - throughout on one side and just on pointed end on the other side.

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Circular

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:

Edges:
Pointed: Present
Tapered: Present
Flattened: Not present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 0-45 degrees
General Comments:

Artifact: B75-17

Recorder: JMP **Date:** 4/30/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 44.07mm

Width:
Center of body: 4.96mm
End 1: 0.66mm
End 2: 2.92mm

Thickness:
Center of body: 4.29mm
End 1: 0.66mm
End 2: 2.92mm

Weight: 3.9g

Patina:
Type A: Present on 51-75% of object
Type B: Not present
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Present on 1-25% of object
Accretions: Present on 51-75% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and accretions throughout with areas of Type C and E.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Shape suggests that cross-section started as a square and ends were rounded. Dents throughout body of awl that appear to be from manufacture. Two large significant dents/wear in center of awl- from attachment? One end is cracked in center and toward center of awl body. One side of crack is splayed out and some area possibly missing. Polish along edges of one side of body closer to pointed edge.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:
Edges:
Pointed: Present
Tapered: Not present
Flattened: Not present
Splayed: Present
Broken: Not present
Angle of Pointed Edge: 0-45 degrees
General Comments:

Artifact: B75-18

Recorder: JMP **Date:** 4/30/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 46.26mm

Width:
Center of body: 6.19mm
End 1: 1.27mm
End 2: 2.97mm

Thickness:
Center of body: 4.61mm
End 1: 1.27mm
End 2: 2.97mm

Weight: 5.5g

Patina:

Type A: Present on 76-100% of object
Type B: Not present
Type C: Present on 1-25% of object
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and accretions throughout with areas of Type C.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Present
Loss:
Broken Piece: Present
Nicks: Not present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: One end appears to be broken or have had impurities when it was manufactured. Cracks and layers throughout awl from fold over hammered manufacturing. Striations across awl body on lower third of awl closer to broken end, possibly from rounding of edges and/or from hafting. Striations running longitudinally along awl body near center of awl.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:

Edges:
Pointed: Present
Tapered: Not present
Flattened: Not present
Splayed: Not present
Broken: Present
Angle of Pointed Edge: 46-75 degrees
General Comments:

Artifact: B75-19

Recorder: JMP **Date:** 4/30/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 36.74mm

Width:
Center of body: 3.61mm
End 1: 0.97mm
End 2: 3.32mm

Thickness:
Center of body: 2.51mm
End 1: 0.97mm
End 2: 3.32mm

Weight: 1.5g

Patina:
Type A: Present on 76-100% of object
Type B: Not present
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and accretions throughout with areas of Type C.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: "S" bend on the third of the awl closest to the pointed end. Surface is irregular with denting, probably from manufacture. Discoloration at very tip of awl. Possible striations transversely running across half of awl near pointed end. Flatter end is rounded in cross section while rest of awl is boxy.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Polygonal

Organic Residue Present? (Y= Yes; M = Maybe; N = No):
N

Comments:
Edges:
Pointed: Present
Tapered: Not present
Flattened: Present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 0-45 degrees
General Comments: Trapezoidal.

Artifact: B75-20

Recorder: JMP **Date:** 4/30/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 33.84mm

Width:
Center of body: 3.3mm
End 1: 1.23mm
End 2: 1.69mm

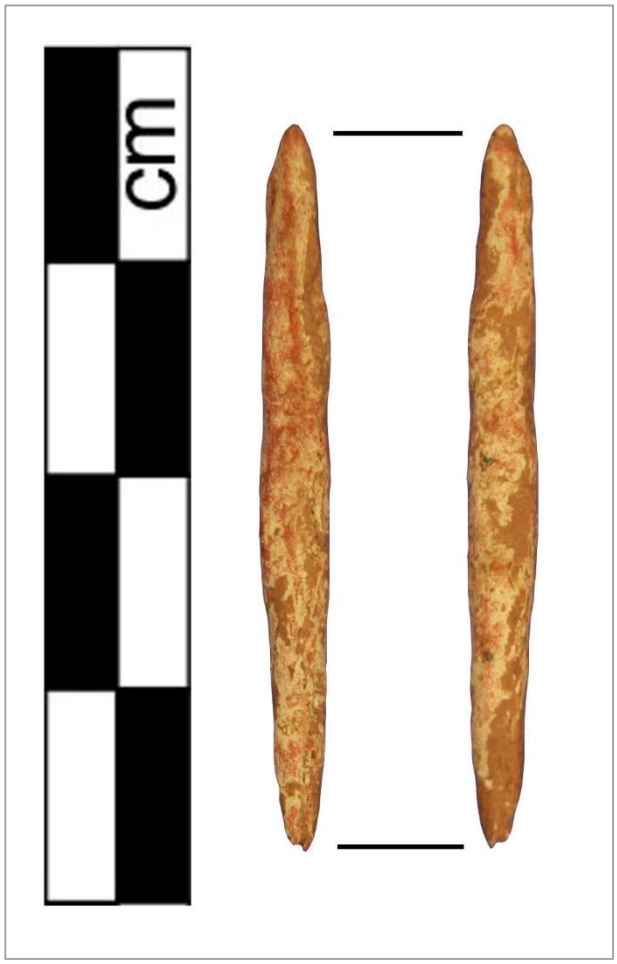
Thickness:
Center of body: 3.12mm
End 1: 1.23mm
End 2: 1.69mm

Weight: 1.4g

Patina:
Type A: Present on 76-100% of object
Type B: Not present
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions. Type D along recesses.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: One end has small crack running longitudinally along body, including on both ends, and may have some material missing. Shape suggests that cross-section started as a square and ends were rounded. Cracks and striations running probably from fold over hammering manufacturing, possible striations/incisions running diagonally across center of awl on one side. Irregular shaping and dents throughout awl body, probably from manufacturing.



Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:
Edges:
Pointed: Not present
Tapered: Present
Flattened: Not present
Splayed: Not present
Broken: Present
Angle of Pointed Edge: N/A
General Comments:

Artifact: B75-21

Recorder: JMP **Date:** 4/30/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 31.46mm

Width:
Center of body: 4.57mm
End 1: 2.31mm
End 2: 2.23mm

Thickness:
Center of body: 3.18mm
End 1: 2.31mm
End 2: 2.23mm

Weight: 2g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions. Type B along recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Appears that awl was formed into a square and then the ends were rounded. Transverse striations running on across end that is flatter. Very slight "S" curve near tapered edge. Tip of tapered edge could have been pointed at one time and then worn down. Has channeling in center - throughout on both sides.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:

Edges:
Pointed: Not present
Tapered: Present
Flattened: Not present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: N/A

General Comments: End 1 is the more pointed end and End 2 is the end that is flatter.

Artifact: B75-22

Recorder: JMP **Date:** 4/30/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 41.74mm

Width:
Center of body: 4.15mm
End 1: 1.99mm
End 2: 3.92mm

Thickness:
Center of body: 4.11mm
End 1: 1.99mm
End 2: 3.92mm

Weight: 3.7g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 26-50% of object
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Areas of Types A, B, and C and accretions throughout

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Flattened end is rounded. Striations running longitudinally down awl's body, probably from manufacture. Striations running transversely across awl body near flatter edge. Hafted? Tapered tip could have been pointed at one time and then worn down.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:
Edges:
Pointed: Not present
Tapered: Present
Flattened: Present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: N/A
General Comments:

Artifact: B75-23

Recorder: JMP **Date:** 4/30/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 53.72mm

Width:
Center of body: 4.78mm
End 1: 0.93mm
End 2: 2.92mm

Thickness:
Center of body: 2.76mm
End 1: 0.93mm
End 2: 2.92mm

Weight: 3.1g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions. Type D along recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Shifting of the corners of square shape closer to pointed edge indicates that tip of awl was slightly twisted. Perhaps used for boring? Slight bend on one side of awl near center. Crack on flatter edge with a possible nick missing. Possible line of incisions/worn area running diagonally in center toward tapered end where it stops in a small loop. Has center channeling - center to pointed tip on one side.

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:

Edges:
Pointed: Present
Tapered: Present
Flattened: Not present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 0-45 degrees
General Comments:

Artifact: B75-24

Recorder: JMP **Date:** 4/30/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 45.51mm

Width:
Center of body: 4.61mm
End 1: 1.11mm
End 2: 2.27mm

Thickness:
Center of body: 3.79mm
End 1: 1.11mm
End 2: 2.27mm

Weight: 2.9g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Reharpened: Not present
Repaired:
Not present
Recent:
Cleaned:
Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Crack in side of awl body between the pointed edge and the center of the awl with cracks stemming from it and this section being slightly separated from body. Crack running perpendicular to awl edge on more tapered end, possible nick missing from end. Shape indicates that object started with a square cross-section that was then rounded into an oval. Incisions/striations running transversely across full awl body. Pointed end has slight "S" bend.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y= Yes; M = Maybe; N = No):
N

Comments:
Edges:
Pointed: Present
Tapered: Not present
Flattened: Not present
Splayed: Not present
Broken:
Present
Angle of Pointed Edge:
0-45 degrees
General Comments:

Artifact: B75-25

Recorder: JMP **Date:** 4/30/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 50.56mm

Width:
Center of body: 6.07mm
End 1: 2.06mm
End 2: 2.59mm

Thickness:
Center of body: 5.01mm
End 1: 2.06mm
End 2: 2.59mm

Weight: 6.4g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions. Type D along recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Cracks and layers in awl surface probably from folded over hammered manufacturing. Two larger dents on adjacent sides near center. Striations running transversely to awl's body. Corners of squares of awl's cross-section are slightly twisted near the thinner end (width-wise). Possibly has center channeling on both sides throughout but surface is too irregular.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:

Edges:
Pointed: Not present
Tapered: Present
Flattened: Not present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: N/A

General Comments: Thinner side (width-wise) is End 1.

Artifact: B75-26

Recorder: JMP **Date:** 4/30/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 30.82mm

Width:
Center of body: 4.46mm
End 1: 0.76mm
End 2: 1.98mm

Thickness:
Center of body: 4.35mm
End 1: 0.76mm
End 2: 1.98mm

Weight: 1.6g

Patina:
Type A: Present on 51-75% of object
Type B: Present on 26-50% of object
Type C: Not present
Type D: Not present
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and B throughout with accretions.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Cross-section shape is a rounded triangular. Thick crack runs from tapered edge to pointed edge, which appears to be from rolled over hammered manufacture, possibly with grinding? Nick near pointed end. Slight dents in sides near tapered edge.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Triangular

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:
Edges:
Pointed: Present
Tapered: Present
Flattened: Not present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 0-45 degrees
General Comments:

Artifact: B75-27

Recorder: JMP **Date:** 4/30/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 47.15mm

Width:
Center of body: 4.48mm
End 1: 1.38mm
End 2: 2.85mm

Thickness:
Center of body: 4.21mm
End 1: 1.38mm
End 2: 2.85mm

Weight: 3.8g

Patina:

Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and accretions throughout with areas of Type C.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Very thin and numerous striations running transversely across pointed end, and indicates awl may have been used for boring. Polish on one side of pointed tip that runs perpendicularly to edge of tip where tip is slightly splayed out. Half of awl with tapered end was slightly rounded, possibly for hafting? Cracks and striations running longitudinally to awl body and are probably from fold over hammered manufacture.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:

Edges:
Pointed: Present
Tapered: Present
Flattened: Not present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 46-75 degrees
General Comments:

Artifact: B75-28

Recorder: JMP **Date:** 4/30/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 66.62mm

Width:
Center of body: 4.88mm
End 1: 1.28mm
End 2: 4.96mm

Thickness:
Center of body: 4.13mm
End 1: 1.28mm
End 2: 4.96mm

Weight: 7.2g

Patina:

Type A: Present on 1-25% of object
Type B: Not present
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with areas of Types A and C.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Finely made. One end is pointed and one end is precisely flattened and rounded. Small nick taken out of pointed end. Thinned and rounded edge has polish from wear with what looks like a small chip taken out of one side. Flattened rounded edge has a flatter side and a more humped side. Two opposite sides of portion of awl with flattened rounded edge is pinched or worn slightly. Striations run transversely throughout awl body and mostly near portion closest to the pointed end. Darker accretions near center of awl. Square cross-section shape is rounded toward pointed end of awl.

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:

Edges:
Pointed: Present
Tapered: Not present
Flattened: Present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 0-45 degrees

General Comments: Wear along flattened/rounded edge.

Artifact: B75-29

Recorder: JMP **Date:** 4/30/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 53.33mm

Width:
Center of body: 3.51mm
End 1: 1.23mm
End 2: 1.78mm

Thickness:
Center of body: 3.19mm
End 1: 1.23mm
End 2: 1.78mm

Weight: 2.2g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Present
Loss:
Broken Piece: Present
Nicks: Not present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Nick taken out of one end which also has a crack. Shape suggests that cross-section started as a square and was rounded into an oval. Cracks running longitudinally along body from folded over hammered manufacturing. Striations transversely across center of awl.

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y= Yes; M = Maybe; N = No):
N

Comments:

Edges:
Pointed: Not present
Tapered: Present
Flattened: Not present
Splayed: Not present
Broken: Present
Angle of Pointed Edge: N/A
General Comments:

Artifact: B75-30

Recorder: JMP **Date:** 4/30/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 39.03mm

Width:
Center of body: 4.11mm
End 1: 1.17mm
End 2: 4.62mm

Thickness:
Center of body: 3.41mm
End 1: 1.17mm
End 2: 4.62mm

Weight: 2.8g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Present on 1-25% of object
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: One end flattened and rounded. One corner of square cross-section smoothed toward flattened end. Cracks/striations running longitudinally along awl. Some slight striations running transversely across awl body near pointed end. Some polish along smoothed square corner and opposite side. Has center channeling throughout on one side and from center to pointed end on the other side.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No):
N

Comments:

Edges:
Pointed: Present
Tapered: Present
Flattened: Not present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 0-45 degrees
General Comments:

Artifact: B75-31

Recorder: JMP **Date:** 5/1/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 46.29mm

Width:
Center of body: 5.05mm
End 1: 2.75mm
End 2: 2.8mm

Thickness:
Center of body: 3.96mm
End 1: 2.75mm
End 2: 2.8mm

Weight: 4g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Not present
Type E: Present on 1-25% of object
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Types A and C mostly along corners of square cross-section.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Awl has significant bend near center of body. Near this bend on one side, there is a large crack where a layer has slightly splayed out from the rest of the awl. Striation/incision/groove running transversely across tip of thinner end that also makes a bit of a step on this edge, indicates that this could have been used as a flaker? Tip of opposite edge is irregular but comes to a point. Striations running perpendicularly to awl's body near center.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:

Edges:
Pointed: Not present
Tapered: Present
Flattened: Not present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: N/A
General Comments: End 1 is thinner end.

Artifact: B75-32

Recorder: JMP **Date:** 5/1/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 73.4mm

Width:
Center of body: 6.59mm
End 1: 2.89mm
End 2: 1.62mm

Thickness:
Center of body: 5.97mm
End 1: 2.89mm
End 2: 1.62mm

Weight: 15.4g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Present

Description of Use-Wear Amount/Location: One end has large crack and possible portion missing. Two halves made from this crack are splayed apart from one another. Significant dent on one side in the center of the awl's body where crack ends. Lines of polish near center of awl body near this dent. One of these areas of polish, running transversely across body of awl, has significant incision. Perhaps this wear at center of awl is from edge of hafting element or perhaps was curated on a three-pointed mount previously by Mr. Bussey? Some slight dents and transverse striations along tapered edge. Tip of tapered edge is smooth. Channeling on both sides.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No): Y - between crack's sides at one end

Comments:
Edges:
Pointed: Not present
Tapered: Present
Flattened: Not present
Splayed: Not present
Broken: Present
Angle of Pointed Edge: N/A
General Comments:

Artifact: B75-33

Recorder: JMP **Date:** 5/1/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 41.17mm

Width:
Center of body: 3.54mm
End 1: 1.21mm
End 2: 2.9mm

Thickness:
Center of body: 3.32mm
End 1: 1.21mm
End 2: 2.9mm

Weight: 2.5g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Types A and C mostly along corners of square cross-section.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Cross-section is square at center and ends were rounded. Slight bend near pointed end. Polish around body near tapered end where cross-section becomes rounder. Tapered edge is rounded and appears to have wear on the tip with one side splayed a bit down toward the body of the awl but was flattened against it. One corner of square cross-section on half of awl near tapered edge was scraped to flatten. Half with tapered edge is also slightly bent.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:

Edges:
Pointed: Present
Tapered: Present
Flattened: Not present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 0-45 degrees
General Comments:

Artifact: B75-34

Recorder: JMP **Date:** 5/1/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 63.06mm

Width:
Center of body: 5.18mm
End 1: 1.26mm
End 2: 5.07mm

Thickness:
Center of body: 4.71mm
End 1: 1.26mm
End 2: 5.07mm

Weight: 7.4g

Patina:

Type A: Present on 1-25% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Types A and C mostly along corners of square cross-section.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Awl has significant bend near center of body. At this bend, there is a significant crack that runs across the awl transversely and a layer has slightly splayed from the body of this awl at this crack. Crack near tapered edge that also runs transversely and has a layer that is slightly splayed. Striations/incisions running transversely across awl's body at center of awl where cross-section is square. One edge is flattened/thinned and rounded with one adjacent side more humped and the other side flatter. Polish along humped edge and along one edge of square cross-section. Edge of this flattened end also has small worn nicks in it, especially in one corner where the edge meets the thinner adjacent side. Used to scrape a material?

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Ground
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No):
N

Comments:

Edges:
Pointed: Present
Tapered: Not present
Flattened: Present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 0-45 degrees
General Comments: Rounded flattened edge has polish.

Artifact: B75-35

Recorder: JMP **Date:** 5/1/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 23.85mm

Width:
Center of body: 2.76mm
End 1: 0.79mm
End 2: 2.35mm

Thickness:
Center of body: 1.96mm
End 1: 0.79mm
End 2: 2.35mm

Weight: 0.5g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Thinned/flattened end is rounded and has small chip out of its center. Striations/incisions stemming from this edge run perpendicular to edge. Some possible polish along the widest sides adjacent to this edge. Pointed end may have small nick at end and is slightly bent. Two worn areas running transverse to awl's body near flattened edge that runs across the widest side and following to one of the adjacent thinner sides. Appears that cross-section started as square and then pointed end was rounded and flatter end was rounded and flattened.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:

Edges:
Pointed: Present
Tapered: Not present
Flattened: Present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 0-45 degrees
General Comments:

Artifact: B75-36

Recorder: JMP **Date:** 5/1/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 53.79mm

Width:
Center of body: 4.37mm
End 1: 2.27mm
End 2: 3.84mm

Thickness:
Center of body: 3.3mm
End 1: 2.27mm
End 2: 3.84mm

Weight: 4.4g

Patina:
Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Broken end? Could also be irregular end left during manufacture. Near this end is a large crack that runs longitudinally down body of awl. Layer separated by this crack is slightly splayed from rest of body. Striations running transversely across body of wider sides. Slight bend near tapered edge. Both tips are rounded, possibly from wear. Some polish running transversely cross center of awl. Slight cracks/striations running longitudinally along awl body possibly from fold over hammered manufacturing. Has channeling at center of one side.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No):
M - in broken end?

Comments:
Edges:
Pointed: Not present
Tapered: Present
Flattened: Not present
Splayed: Not present
Broken: Present
Angle of Pointed Edge: N/A
General Comments:

Artifact: B75-37

Recorder: JMP **Date:** 5/1/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 48.01mm

Width:
Center of body: 4.44mm
End 1: 0.83mm
End 2: 2.62mm

Thickness:
Center of body: 3.64mm
End 1: 0.83mm
End 2: 2.62mm

Weight: 3.7g

Patina:
Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Present

Description of Use-Wear Amount/Location: Cross-section square with two ends rounded. Striations running transversely across body nearer to tapered edge and pointed edge. Possibly hafted? Tapered edge is rounded. Crack in body nearer to tapered edge. Polish down one side from pointed tip to center of awl body, possibly from use or curation. Cracks/striations running longitudinally down awl body probably from fold over hammering manufacturing. Has channeling from center to tapered end on one side and throughout on other side.

Manufacturing Stage/Processes:
Level of Manufacture: Finely manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:
Edges:
Pointed: Present
Tapered: Present
Flattened: Not present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 0-45 degrees
General Comments:

Artifact: B75-38

Recorder: JMP **Date:** 5/1/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 45.92mm

Width:
Center of body: 4.89mm
End 1: 1.85mm
End 2: 4.48mm

Thickness:
Center of body: 3.78mm
End 1: 1.85mm
End 2: 4.48mm

Weight: 4.5g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Present on 76-100% of object
Accretions: Present on 51-75% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object

Location of Patina/Corrosion: Accretions throughout with Types A and C mostly along corners of square cross-section.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Present

Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Reharpened: Not present
Repaired:
Not present
Recent:
Cleaned:
Not present

Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Slight "S" bend near tapered end. Tapered end has a small nick and crack stemming from it. This tapered edge may have been pointed at one time. Opposite end is flattened and rounded. Striations/incisions running transversely across awl body near ends, possibly to round the shape of the cross-section more. Flattened end smoothed, possibly from use.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No):
N

Comments:

Edges:
Pointed: Not present
Tapered: Present
Flattened: Present
Splayed: Not present
General Comments:

Broken: Not present
Angle of Pointed Edge:
N/A

Artifact: B75-39

Recorder: JMP **Date:** 5/1/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 56.78mm

Width:
Center of body: 6.12mm
End 1: 1.04mm
End 2: 1.96mm

Thickness:
Center of body: 5.28mm
End 1: 1.04mm
End 2: 1.96mm

Weight: 6.3g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Types A and C.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Irregular surface probably from less refined fold over hammered manufacturing. Cracks near pointed end with layers that are slightly splayed from rest of awl body. Polish and discoloration on pointed end with sharper point. Shape indicates that awl started with a square cross-section that was later rounded. Many transverse striations appear nearer to awl ends. Pointed edge with larger angle has some very small nicks in it.

Manufacturing Stage/Processes:

Level of Manufacture: Roughly manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Circular

Organic Residue Present? (Y= Yes; M = Maybe; N = No):
N

Comments:

Edges:
Pointed: Present
Tapered: Not present
Flattened: Not present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 0-45 degrees

General Comments: End 1 is one nearest crack.

Artifact: B75-40

Recorder: JMP **Date:** 5/1/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 63.07mm

Width:
Center of body: 6.68mm
End 1: 1.14mm
End 2: 1.4mm

Thickness:
Center of body: 6.36mm
End 1: 1.14mm
End 2: 1.4mm

Weight: 8.3g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Cracks on pointed edge with larger angle that run longitudinally along awl's body. Crack also near pointed edge with smaller angle on side with a layer that is slightly splayed. Slight bend near this crack on body closer to pointed end with sharper angle. Shape indicates that cross-section started as a square and was then rounded into a circular cross-section. Polish on tip of pointed edge with larger angle. Polish from top of cracked layer near pointed edge with sharper angle that runs longitudinally to center of awl body.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Circular

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:

Edges:
Pointed: Present
Tapered: Not present
Flattened: Not present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 46-75 degrees
General Comments: End 1 is one nearest crack.

Artifact: B75-41

Recorder: JMP **Date:** 5/1/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 40.02mm

Width:
Center of body: 3.82mm
End 1: 1.36mm
End 2: 3.36mm

Thickness:
Center of body: 3.77mm
End 1: 1.36mm
End 2: 3.36mm

Weight: 3g

Patina:
Type A: Present on 1-25% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Types A and C.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Not present
Description of Use-Wear Amount/Location: Square cross-section is rounded near tapered edge. Surface here indicates that this could have been achieved by grinding (slight striations present) or hammering (small dents exist). Tapered edge is smoothed. Tip of pointed edge slightly bent/splayed. Striations running transversely across entire awl body.

Retooling:
Reharpened: Not present
Repaired: Not present
Recent:

Cleaned: Not present
Reuse: Not present
Curation: Not present

Manufacturing Stage/Processes:
Level of Manufacture: Finely manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:
Edges:
Pointed: Present
Tapered: Present
Flattened: Not present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 46-75 degrees
General Comments:

Artifact: B75-42

Recorder: JMP **Date:** 5/1/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 39.78mm

Width:
Center of body: 5.67mm
End 1: 1.37mm
End 2: 1.64mm

Thickness:
Center of body: 5.16mm
End 1: 1.37mm
End 2: 1.64mm

Weight: 3.9g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Types A and C along corners of square cross-section and on half of awl that is more rounded and has end with steeper angle.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Reharpened: Present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Shape indicates that cross-section started as a square and was rounded, especially on one half with pointed end that has larger angle. Cracks running longitudinally along body from sharper pointed end and recess near this tip are probably from fold over hammered manufacturing. Possible nicks on the tip of this sharper end. Polish on end with less sharp point, which also has cracks and either a nick or an impurity from manufacture. Sharper point could have been resharpened. Has channeling from enter to pointed end on both sides.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:

Edges:
Pointed: Present
Tapered: Not present
Flattened: Not present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 46-75 degrees
General Comments: End 1 is end with sharper angle.

Artifact: B75-43

Recorder: JMP **Date:** 5/1/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 24.64mm

Width:
Center of body: 3.29mm
End 1: 1.52mm
End 2: 1.91mm

Thickness:
Center of body: 3.07mm
End 1: 1.52mm
End 2: 1.91mm

Weight: 1.2g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Present on 1-25% of object
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Not present
Description of Use-Wear Amount/Location: Shape indicates that cross-section started as a square and was rounded into oval. Possible polish on both ends. Both ends are smoothed. Irregular surface from fold over hammered manufacture.

Smoothing:
Pre-Use: Present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Not present

Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Manufacturing Stage/Processes:
Level of Manufacture: Finely manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:

Edges:
Pointed: Present
Tapered: Present
Flattened: Not present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 46-75 degrees
General Comments:

Artifact: B75-44

Recorder: JMP **Date:** 5/1/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 40.37mm

Width:
Center of body: 4.66mm
End 1: 1.48mm
End 2: 2.18mm

Thickness:
Center of body: 2.92mm
End 1: 1.48mm
End 2: 2.18mm

Weight: 2.6g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Crack on tapered edge that runs perpendicular to edge. One half of side is slightly splayed and other half possibly has nick missing. Crack near pointed end with layer smoothed into body, possible portion missing. Striations running longitudinally along awl body. Both ends slightly worn with some polish on adjacent sides. Has possible channeling from enter to tapered end possibly on both sides.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:
Edges:
Pointed: Present
Tapered: Not present
Flattened: Not present
Splayed: Not present
Broken: Present
Angle of Pointed Edge: 46-75 degrees
General Comments:

Artifact: B75-45

Recorder: JMP **Date:** 5/1/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 37.37mm

Width:
Center of body: 4.56mm
End 1: 1.34mm
End 2: 3.28mm

Thickness:
Center of body: 3.79mm
End 1: 1.34mm
End 2: 3.28mm

Weight: 2.8g

Patina:

Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C:
Type D: Present on 26-50% of object
Type E: Present on 1-25% of object
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions with Types A and D throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Description of Use-Wear Amount/Location: Shape indicates that cross-section started as a square and was somewhat rounded. Some possible polish on adjacent sides of both ends.

Retooling:
Reharpened: Not present
Repaired: Not present
Recent:

Cleaned: Not present
Reuse: Not present
Curation: Not present

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:

Edges:
Pointed: Present
Tapered: Present
Flattened: Not present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 0-45 degrees
General Comments:

Artifact: B75-46

Recorder: JMP **Date:** 5/1/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 43.81mm

Width:
Center of body: 5.19mm
End 1: 1.24mm
End 2: 4.12mm

Thickness:
Center of body: 2.76mm
End 1: 1.24mm
End 2: 4.12mm

Weight: 3.1g

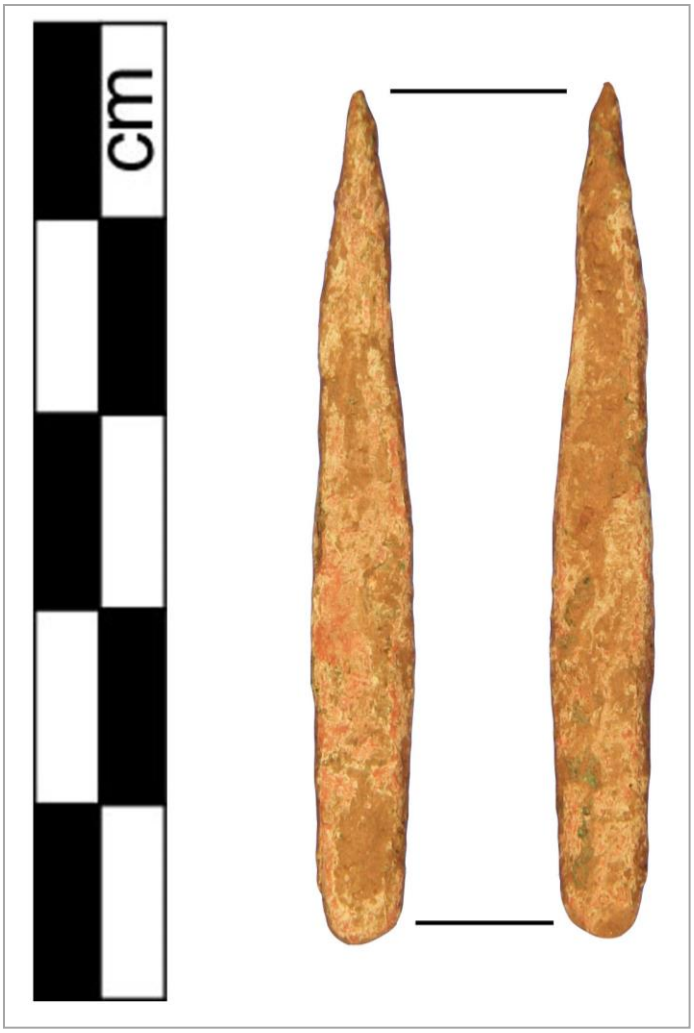
Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions with Types A and C throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Slight "S" bend near pointed end. Rounded flattened end with some possible striations running perpendicularly to edge. Irregular surface shape and light striations throughout body, mostly longitudinally, probably from manufacturing.



Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:

Edges:
Pointed: Present
Tapered: Not present
Flattened: Present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 0-45 degrees
General Comments:

Artifact: B75-47

Recorder: JMP **Date:** 5/1/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 75.18mm

Width:
Center of body: 5.1mm
End 1: 1.25mm
End 2: 2.1mm

Thickness:
Center of body: 4.9mm
End 1: 1.25mm
End 2: 2.1mm

Weight: 10.1g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Present on 1-25% of object
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Cracks on body by pointed edge. Square cross-section body with rounded cross-sections near ends. Slight transverse striations near edges. Polish along entirety of one corner of square cross-section. Has channeling at center on both sides.

Manufacturing Stage/Processes:
Level of Manufacture: Finely manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:

Edges:
Pointed: Present
Tapered: Present
Flattened: Not present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 46-75 degrees
General Comments: End 1 is more pointed, End 2 is more rounded.

Artifact: B75-48

Recorder: JMP **Date:** 5/1/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 55.3mm

Width:
Center of body: 5.74mm
End 1: 0.66mm
End 2: 2.28mm

Thickness:
Center of body: 4.8mm
End 1: 0.66mm
End 2: 2.28mm

Weight: 6.6g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Present

Description of Use-Wear Amount/Location: Cracks on body nearer pointed edge with layer that smoothed against awl body. Striations running transversely across body near the end of this crack, and there is also a small area of polish in this area that may be from curation. Small hole near center of awl body and another hole near tapered end. Wear on ends, especially on more tapered edge where there is a slight polish. Has possible channeling at center on one side.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No):
N

Comments:

Edges:
Pointed: Present
Tapered: Present
Flattened: Not present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 46-75 degrees
General Comments: End 1 is more pointed, End 2 is more rounded.

Artifact: B75-49

Recorder: JMP **Date:** 5/1/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 71.28mm

Width:
Center of body: 4.02mm
End 1: 1.2mm
End 2: 2.19mm

Thickness:
Center of body: 3.8mm
End 1: 1.2mm
End 2: 2.19mm

Weight: 5.4g

Patina:

Type A: Present on 51-75% of object
Type B: Not present
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions with Types A throughout with some Type C.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Thinner pointed edge slightly splayed at tip. Striations running transversely near both ends. Thinner pointed end has some light striations running longitudinally from end, possibly from use. Possible channeling throughout on both sides.

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:

Edges:
Pointed: Present
Tapered: Not present
Flattened: Not present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 46-75 degrees

General Comments: End 1 is thinner end.

Artifact: B75-50

Recorder: JMP **Date:** 5/1/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 36.52mm

Width:
Center of body: 4.99mm
End 1: 1.73mm
End 2: 2.03mm

Thickness:
Center of body: 4.41mm
End 1: 1.73mm
End 2: 2.03mm

Weight: 3.2g

Patina:

Type A: Present on 76-100% of object
Type B: Not present
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions with Types A throughout with some Type C.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Pointed tip is slightly bent and splayed. Cracks running from pointed tip running perpendicular to tip, probably from manufacturing. Hole near pointed tip, but appears to be an impurity where layers of copper are smoothed over but left a recess. Tapered edge is rounded and possibly has some polish. Cross-section of object appears to have started as a square and then rounded into oval shape.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:

Edges:
Pointed: Present
Tapered: Present
Flattened: Not present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 46-75 degrees
General Comments:

Artifact: B75-51

Recorder: JMP **Date:** 5/1/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 42.97mm

Width:
Center of body: 3.75mm
End 1: 1.51mm
End 2: 1.75mm

Thickness:
Center of body: 3.65mm
End 1: 1.51mm
End 2: 1.75mm

Weight: 2.7g

Patina:

Type A: Present on 51-75% of object
Type B: Not present
Type C: Present on 51-75% of object
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions with Types A throughout with some Type C.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Cross-section is square at center and ends were rounded. Large nick taken out of one end that may have once been pointed. Scrape/polish stemming from pointed end and along one corner of the rounded-square cross-section. Recesses along one side of awl body looks like impurity from manufacturing. Striations running perpendicularly from broken end on side opposite of nick.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No):
N

Comments:

Edges:
Pointed: Present
Tapered: Not present
Flattened: Not present
Splayed: Not present
Broken: Present
Angle of Pointed Edge: 0-45 degrees
General Comments:

Artifact: B75-52

Recorder: JMP **Date:** 5/1/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 47.69mm

Width:
Center of body: 4.58mm
End 1: 2.19mm
End 2: 2.43mm

Thickness:
Center of body: 3.8mm
End 1: 2.19mm
End 2: 2.43mm

Weight: 4g

Patina:

Type A: Present on 26-50% of object
Type B: Present on 51-75% of object
Type C: Present on 76-100% of object
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Very thick accretions cover awl. Type B and C throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Description of Use-Wear Amount/Location: Nick and polish on pointed end. Other wear is difficult to make out due to very thick accretions.

Retooling:
Reharpened: Not present
Repaired: Not present
Recent:

Cleaned: Not present
Reuse: Not present
Curation: Not present

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:

Edges:
Pointed: Present
Tapered: Present
Flattened: Not present
Splayed: Not present
Broken: Not present
General Comments:

Angle of Pointed Edge: 46-75 degrees

Artifact: B75-53

Recorder: JMP **Date:** 5/1/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 27.85mm

Width:
Center of body: 3.41mm
End 1: 1.36mm
End 2: 1.68mm

Thickness:
Center of body: 2.82mm
End 1: 1.36mm
End 2: 1.68mm

Weight: 1.1g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and accretions throughout with some Type C.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Cracks on one end run longitudinally to awl body with possibly half of one side missing, or this was an impurity that was present during initial manufacture. Remaining area of broken pointed end is worn and slightly polished. Tapered edge is smoothed with some light striations running perpendicular to edge. Shape indicates that cross-section started in square shape and then was rounded into oval.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:

Edges:
Pointed: Not present
Tapered: Present
Flattened: Not present
Splayed: Not present
Broken: Present
Angle of Pointed Edge: N/A
General Comments:

Artifact: B75-54

Recorder: JMP **Date:** 5/1/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 36.56mm

Width:
Center of body: 4.59mm
End 1: 0.97mm
End 2: 2.57mm

Thickness:
Center of body: 3.44mm
End 1: 0.97mm
End 2: 2.57mm

Weight: 2.5g

Patina:

Type A: Present on 26-50% of object
Type B: Not present
Type C: Present on 1-25% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Types A and D nearest to pointed end and along corners of square cross-section.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Pointed tip is slightly flattened and this end is slightly bent. Transverse striations and some possible polish on this bent area. Cross-section is square with rounded section on third of awl with pointed tip. Tapered end is worn and rounded with one side slightly splayed. Some transverse striations where tapered end become tapered.

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:

Edges:
Pointed: Present
Tapered: Present
Flattened: Not present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 0-45 degrees
General Comments:

Artifact: B75-55

Recorder: JMP **Date:** 5/1/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 49.6mm

Width:
Center of body: 4.07mm
End 1: 0.89mm
End 2: 3.12mm

Thickness:
Center of body: 3.45mm
End 1: 0.89mm
End 2: 3.12mm

Weight: 3.9g

Patina:

Type A: Present on 1-25% of object
Type B: Present on 26-50% of object
Type C: Present on 26-50% of object
Type D: Present on 51-75% of object
Type E: Not present

Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object

Total Surface Area with Patina/Corrosion: Present on 76-100% of object

Location of Patina/Corrosion: Thick accretions throughout with areas of Types B and C, mostly along edges of square cross-section.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present

Nicks: Not present
Retooling:
Reharpened: Not present
Repaired:
Not present
Recent:
Cleaned:
Not present
Reuse: Not present
Curation:
Not present

Description of Use-Wear Amount/Location: Thick accretion makes observing use-wear difficult. Cross-section of body and tapered edge is squared with pointed end having more of a rounded cross-section. Tapered end possibly smoothed/rounded from use. Pointed end intact.

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No):
N

Comments:

Edges:
Pointed: Present
Tapered: Present
Flattened: Not present
Splayed: Not present

Broken: Not present
Angle of Pointed Edge:
0-45 degrees

General Comments: End 1 is sharper pointed end.

Artifact: B75-56

Recorder: JMP **Date:** 5/1/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 34.32mm

Width:
Center of body: 3.17mm
End 1: 0.54mm
End 2: 1.52mm

Thickness:
Center of body: 2.65mm
End 1: 0.54mm
End 2: 1.52mm

Weight: 0.9g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions and pitting throughout with areas of Types A and C.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Irregular surface and striations running longitudinally to awl body probably from fold over hammered manufacturing. Possible polish near both ends. One end is extremely pointed and intact. Some light striations also run transversely, possibly from shaping? Appears that cross-section started off more polygonal and was rounded.

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Circular

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:

Edges:
Pointed: Present
Tapered: Not present
Flattened: Not present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 0-45 degrees
General Comments:

Artifact: B75-57

Recorder: JMP **Date:** 5/1/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 59.6mm

Width:
Center of body: 3.95mm
End 1: 0.94mm
End 2: 3.5mm

Thickness:
Center of body: 1.93mm
End 1: 0.94mm
End 2: 3.5mm

Weight: 2.7g

Patina:

Type A: Present on 76-100% of object
Type B: Not present
Type C: Present on 1-25% of object
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with areas of Types A and C.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Slight bend at center of awl body where there is a large worn crevasse that starts on wide side and wraps around to adjacent thin side. Discoloration and wear on pointed end, flattened end also worn. Striations, dents, and recesses on half of awl with flattened end. Striations running transversely across awl body near center of body. Has channeling throughout on both sides.

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:

Edges:
Pointed: Present
Tapered: Not present
Flattened: Present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 0-45 degrees
General Comments:

Artifact: B75-58

Recorder: JMP **Date:** 5/1/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 58.53mm

Width:
Center of body: 6.08mm
End 1: 3.64mm
End 2: 0.94mm

Thickness:
Center of body: 5.52mm
End 1: 3.64mm
End 2: 0.94mm

Weight: 8.7g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout with areas of Type C.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: One end has significant nick with cracks stemming from it and running down awl body longitudinally, possibly from impurities during fold over hammered manufacturing. Cross-section shape is mostly squared with rounded ends. Broken end has some wear and striations running perpendicular to edge. Significant incision running across center of awl body on three sides which is accompanied with some polish. Tapered edge is smoothed and has some light striations stemming from its tip longitudinally to awl's body. Channeling at tapered end on one side.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:

Edges:
Pointed: Not present
Tapered: Present
Flattened: Not present
Splayed: Not present
Broken: Present
Angle of Pointed Edge: N/A
General Comments:

Artifact: B75-59

Recorder: JMP **Date:** 5/1/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 57.68mm

Width:
Center of body: 5.44mm
End 1: 2.72mm
End 2: 2.33mm

Thickness:
Center of body: 4.34mm
End 1: 2.72mm
End 2: 2.33mm

Weight: 5g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout with areas of Type C.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Flatter end has sizeable crack and nick. Opposite end is rounded and worn and possibly has some polish. Striations run longitudinally to awl's body and slight dents appear throughout, both probably from fold over hammered manufacturing. Striations running perpendicularly to flattened edge. Small hole near tapered edge, probably from impurity of copper. Striations running transversely across awl body on half nearest flatter edge. Center of awl cross-section is squared with one end flattened and one end more rounded (tapered edge). Channeling throughout on one side and possibly on the other.

Manufacturing Stage/Processes:

Level of Manufacture: Roughly manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:

Edges:
Pointed: Not present
Tapered: Present
Flattened: Not present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: N/A

General Comments: End 1 is flatter end.

Artifact: B75-60

Recorder: JMP **Date:** 5/1/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 37.96mm

Width:
Center of body: 3.73mm
End 1: 1.15mm
End 2: 2.9mm

Thickness:
Center of body: 3.47mm
End 1: 1.15mm
End 2: 2.9mm

Weight: 1.8g

Patina:

Type A: Present on 26-50% of object
Type B: Present on 26-50% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Present on 1-25% of object
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Tapered edge worn with one side splayed over and two small dents on very tip. Crack near tapered edge that runs around awl and down toward center. Flaked section made from this crack slightly separated from body. Polish near center of body. Cross-section is hexagon with both ends having more of a rounded cross-section. Pointed tip slightly bent. *possibly channeling on both sides throughout

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Polygonal

Organic Residue Present? (Y= Yes; M = Maybe; N = No):
N

Comments:

Edges:
Pointed: Present
Tapered: Not present
Flattened: Present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 0-45 degrees
General Comments:

Artifact: B75-61

Recorder: JMP **Date:** 5/1/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 37.81mm

Width:
Center of body: 4.55mm
End 1: 1.02mm
End 2: 4.46mm

Thickness:
Center of body: 4.33mm
End 1: 1.02mm
End 2: 4.46mm

Weight: 3.9g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with areas of Type A.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: One end broken or just left irregular during manufacture? Many "steps" sprouting off this end. Cross-section appears to have been square at first that was then scraped and ground into a more rounded pentagon shape. Transverse striations near more pointed end.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Polygonal

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:
Edges:
Pointed: Present
Tapered: Not present
Flattened: Not present
Splayed: Not present
Broken: Present
Angle of Pointed Edge: 0-45 degrees
General Comments:

Artifact: B75-62

Recorder: JMP **Date:** 5/1/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 22.62mm

Width:
Center of body: 3.18mm
End 1: 0.73mm
End 2: 2.57mm

Thickness:
Center of body: 2.37mm
End 1: 0.73mm
End 2: 2.57mm

Weight: 0.6g

Patina:
Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C and accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Tip of pointed end is slightly flattened and has a crack running perpendicularly at tip's center. Crack could be from use or from impurity in copper. Slight "S" bend on half with pointed tip. Possible polish at center of awl. Tapered edge has large nick in it from use or from impurity left unfinished during manufacture. Tapered edge is worn and may have some slight polish. Cross-section is square at center with one end flattened and one end rounded (pointed end). One corner of tapered edge slightly splayed. Channeling on both sides from lower center towards point to tapered end on both sides.

Manufacturing Stage/Processes:
Level of Manufacture: Finely manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No): M - in broken end?

Comments:
Edges:
Pointed: Present
Tapered: Not present
Flattened: Present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 0-45 degrees
General Comments:

Artifact: B75-63

Recorder: JMP **Date:** 5/1/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 49.65mm

Width:
Center of body: 4.7mm
End 1: 2.07mm
End 2: 2.65mm

Thickness:
Center of body: 3.4mm
End 1: 2.07mm
End 2: 2.65mm

Weight: 4.8g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 51-75% of object
Type E: Present on 1-25% of object
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C and accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Slight bend near center of awl body. Wear and polish at pointed end with some striations running parallel to awl's body. Striations running transverse to awl body on tapered end, possibly from shaping or from use as a borer. Cross-section is square at center and is rounded toward both ends. Some striations running transversely to awl body throughout awl's sides. Channeling on both sides throughout.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No):
N

Comments:

Edges:
Pointed: Present
Tapered: Present
Flattened: Not present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: Greater than 75 degrees
General Comments:

Artifact: B75-64

Recorder: JMP **Date:** 5/1/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 41.66mm

Width:
Center of body: 5.55mm
End 1: 1.41mm
End 2: 2.49mm

Thickness:
Center of body: 4.54mm
End 1: 1.41mm
End 2: 2.49mm

Weight: 4.4g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout with areas of Type C.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Deep striations running from tapered edge longitudinally to center of awl's body. Tapered edge is worn and has polish. Flattened end is also slightly tapered and has incision and striations running across tip parallel to widest side. Some possible polish on the sides adjacent to this end. Flattened end slightly bent. Transverse striations near tapered end and all down thinner sides. Crack near flattened end with flaked layer that is pressed up against awl body. Cross-section is square at center and corners of squares are rounded on both ends. Channeling at both ends on one side.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:

Edges:
Pointed: Not present
Tapered: Present
Flattened: Present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: N/A
General Comments:

Artifact: B75-65

Recorder: JMP **Date:** 5/1/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 28.86mm

Width:
Center of body: 3.16mm
End 1: 0.59mm
End 2: 3.96mm

Thickness:
Center of body: 2.94mm
End 1: 0.59mm
End 2: 3.96mm

Weight: 1.4g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with areas of Type A.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Present
Description of Use-Wear Amount/Location: One broken end. Cross-section is square near broken end and steadily becomes rounded near pointed end. Light striations running transversely across body throughout awl.

Nicks: Not present
Retooling:
Reharpened: Not present
Repaired: Not present

Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:

Edges:
Pointed: Present
Tapered: Not present
Flattened: Not present
Splayed: Not present
Broken: Present
Angle of Pointed Edge: 0-45 degrees
General Comments:

Artifact: B75-66

Recorder: JMP **Date:** 5/1/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 51.18mm

Width:
Center of body: 4.42mm
End 1: 1.31mm
End 2: 2.63mm

Thickness:
Center of body: 4.26mm
End 1: 1.31mm
End 2: 2.63mm

Weight: 5.2g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions and Type A throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Bend at center of awl and one near pointed end. Crack starting at tip of pointed end and running longitudinally down body of awl, possibly from use or manufacture. Deep incision perpendicular to awl body near pointed tip. Cross-section is square with both ends having more of a circular cross-section. Polish on areas of awl from pointed tip to bend at center of body. Tapered edge is rounded and may have polish, though accretions are thick on this half of awl. Channeling from center toward tapered end on both sides.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:

Edges:
Pointed: Present
Tapered: Present
Flattened: Not present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 0-45 degrees
General Comments:

Artifact: B75-67

Recorder: JMP **Date:** 5/1/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 40.59mm

Width:
Center of body: 5.51mm
End 1: 0.91mm
End 2: 4.36mm

Thickness:
Center of body: 2.51mm
End 1: 0.91mm
End 2: 4.36mm

Weight: 1.6g

Patina:
Type A: Present on 76-100% of object
Type B: Not present
Type C: Present on 1-25% of object
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions and Type A throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Possibly an object that split in half longitudinally? Could have been a projectile point or rolled awl. Flattened edge is very thin and appears to have some slight nicks along its edge. Cracks and striations stem down the awl from pointed end to flattened end, but appear to be more from manufacture. Accretions, form, and pitting make other use-wear difficult to observe. *deep channeling through 2/3 of one side from lower center to flat end

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Other
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:
Edges:
Pointed: Present
Tapered: Not present
Flattened: Present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 0-45 degrees
General Comments: Pressed onto wood to make projectile? Seems to have been split in half longitudinally. Possibly a copper projectile point that split in half? Noted as an awl in the following section since that is the closest category this object resembles.

Artifact: B75-68

Recorder: JMP **Date:** 5/1/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 36.9mm

Width:
Center of body: 2.58mm
End 1: 0.98mm
End 2: 1.19mm

Thickness:
Center of body: 2.11mm
End 1: 0.98mm
End 2: 1.19mm

Weight: 0.7g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C, accretions, and pitting throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Awl bent twice near center in different directions. At the apex of one bend is a crack where a layer of copper has splayed outward. Surface is irregular and has thick accretions and much pitting. Striations running transversely throughout. Polish on tip of End 1. Deeper striations/incisions running transversely near End 2. Channeling throughout on one side.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y= Yes; M = Maybe; N = No):
N

Comments:
Edges:
Pointed: Present
Tapered: Not present
Flattened: Not present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 0-45 degrees
General Comments: End 1 is sharper point near crack.

Artifact: B75-69

Recorder: JMP **Date:** 5/1/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 74.46mm

Width:
Center of body: 5.08mm
End 1: 1.37mm
End 2: 2.25mm

Thickness:
Center of body: 4.32mm
End 1: 1.37mm
End 2: 2.25mm

Weight: 7.3g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 51-75% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C and accretions throughout with Type D along recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Significant bend near broken end. Broken end appears to have been flattened and tapered/thinned. Large crack running longitudinally from broken tip down body of awl toward center. Large section on thinner side of broken end is significantly splayed from awl's body. Broken end is worn with possible polish and striations running both parallel and perpendicular to edge. Longitudinal striations near center of awl and transverse striations along corners of square cross-section throughout. Tip of pointed end is slightly splayed and surrounding sides have possible polish. Slight channeling throughout on both sides.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:

Edges:
Pointed: Present
Tapered: Not present
Flattened: Not present
Splayed: Not present
Broken: Present
Angle of Pointed Edge: 0-45 degrees
General Comments:

Artifact: B75-70

Recorder: JMP **Date:** 5/1/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 49.35mm

Width:
Center of body: 3.66mm
End 1: 1.17mm
End 2: 1.38mm

Thickness:
Center of body: 3.61mm
End 1: 1.17mm
End 2: 1.38mm

Weight: 3g

Patina:

Type A: Present on 76-100% of object
Type B: Not present
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions and Type A throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Not present
Description of Use-Wear Amount/Location: One end was pointed at one time but had nick taken out of it. Significant bend near end with nick. Wear on both tip with possible polish. Striations, some deep, running transversely across entire awl, especially on corners of square cross-section. Light striations running longitudinally along awl's center probably from manufacturing.

Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present

Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:

Edges:
Pointed: Present
Tapered: Not present
Flattened: Not present
Splayed: Not present
Broken: Present
Angle of Pointed Edge: 0-45 degrees
General Comments:

Artifact: B75-71

Recorder: JMP **Date:** 5/1/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 49.08mm

Width:
Center of body: 4.55mm
End 1: 1.15mm
End 2: 2.29mm

Thickness:
Center of body: 4.24mm
End 1: 1.15mm
End 2: 2.29mm

Weight: 4.6g

Patina:

Type A: Present on 26-50% of object
Type B: Not present
Type C: Present on 51-75% of object
Type D: Present on 76-100% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type D and accretions throughout with Types A and C mostly along corners of square cross-section.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Reharpened: Present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Bend near center of awl and another closer to pointed end in opposite direction. Scrape along corner of square cross-section near pointed tip and running down toward awl center and then across one side. Striations running transversely across corners of square cross-section along awl's entirety. Cross-section is square at center and rounded at each end. Pointed tip possibly resharpened. Channeling throughout on both sides.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:

Edges:
Pointed: Present
Tapered: Present
Flattened: Not present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 0-45 degrees
General Comments:

Artifact: B75-72

Recorder: JMP **Date:** 5/1/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 81.58mm

Width:
Center of body: 5.39mm
End 1: 1.13mm
End 2: 2.19mm

Thickness:
Center of body: 5.23mm
End 1: 1.13mm
End 2: 2.19mm

Weight: 10.7g

Patina:

Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with areas of Types A and C, especially along corners of square cross-section and on half with tapered edge.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Crack near pointed tip that runs longitudinally along awl's body with layer made from this crack worn and flattened against awl's body. Possible nick near pointed tip. Cross-section is square along body with one end rounded to tip and another end tapered and flattened. Deeper striations and polish running across of tapered edge. Incision running longitudinally from flattened side with these striations to center of awl. Channeling from lower center toward more tapered end on both sides.

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:

Edges:
Pointed: Present
Tapered: Present
Flattened: Not present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 0-45 degrees
General Comments: Significant use-wear on tapered/flattened end.

Artifact: B75-73

Recorder: JMP **Date:** 5/1/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 46.77mm

Width:
Center of body: 4.02mm
End 1: 1.66mm
End 2: 4.23mm

Thickness:
Center of body: 3.72mm
End 1: 1.66mm
End 2: 4.23mm

Weight: 3g

Patina:
Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with areas of Types A C, especially near center of awl.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Not present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: One end appears to be broken. Despite break, broken end is slightly worn with striations running perpendicular to edge and may have some signs of polish. Significant dent on end with break, square cross-section is flattened. At center, top layer of awl breaks off on one side and corners are slightly flared. Near this layer edge on an adjacent size is a deep incision running transversely. Cross section is square with one end flattened and broken and the other rounded and slightly flattened. Transverse striations across tapered edge and possible polish. Possible channeling throughout on both sides.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No):
N

Comments:
Edges:
Pointed: Not present
Tapered: Present
Flattened: Not present
Splayed: Not present
Broken: Present
Angle of Pointed Edge: N/A
General Comments:

Artifact: BSB-1

Recorder: JMP **Date:** 6/13/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 19.17mm

Width:
Center of body: 4.38mm
End 1: 3.89mm
End 2: 4.02mm

Thickness:
Center of body: 2.4mm
End 1: 3.89mm
End 2: 4.02mm

Weight: 1.2g

Patina:
Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 1-25% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout.

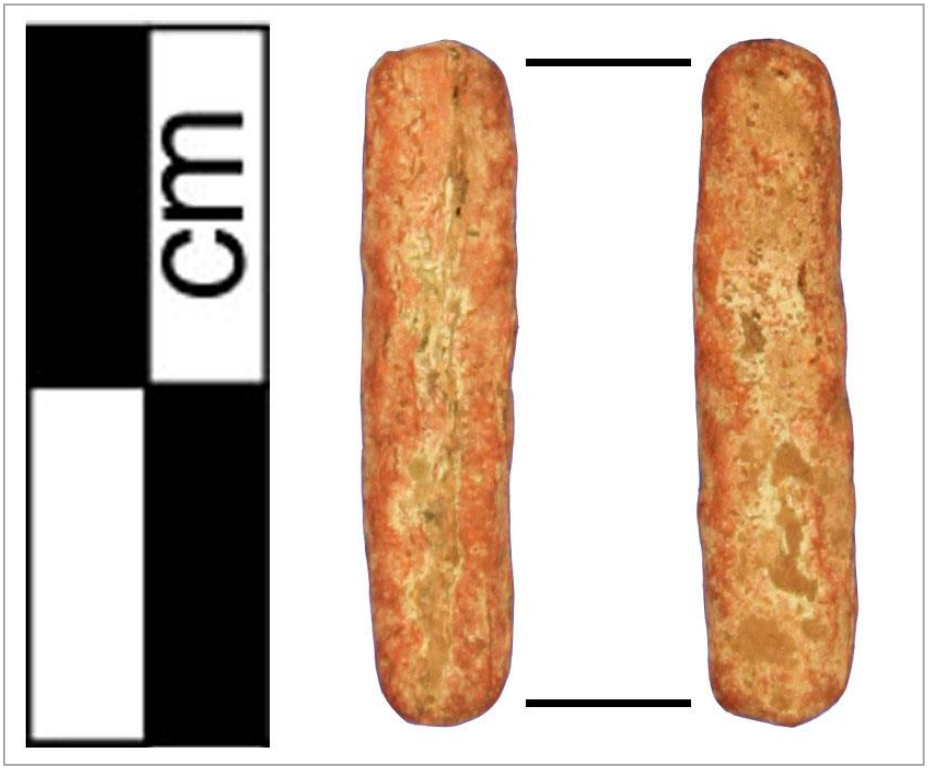
Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Each end rounded. Wider end has two indents, one on the right side and left side, and some polish. Incisions running longitudinally at center of thinner sides and thicker sides, with one incision on thicker side being slightly gouged out starting at wider end and running toward center. Possible striations running transversely across awl body.

Manufacturing Stage/Processes:
Level of Manufacture: Finely manufactured object **Cross-Section Shape:** Square
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:
Edges:
Pointed: Not present
Tapered: Not present
Flattened: Present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: N/A
General Comments: End one is end that is less wide. Thin rectangular cross section.



Artifact: C02-4

Recorder: JMP **Date:** 5/3/2016

Reported Provenience: Crescent Bay Hunt Club, 2002 Field Season, Unit 02-05, Feature 02-32, Heavy Fraction, >6.3mm

Morphofunctional Designation: Awl

Length:
Maximum: 31.06mm

Width:
Center of body: 5.05mm
End 1: 1.44mm
End 2: 2.09mm

Thickness:
Center of body: 2.96mm
End 1: 1.44mm
End 2: 2.09mm

Weight: 2.3g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A throughout with Type C along edges and accretions on body.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Polish on End 2 with some dark striations spidering off from one point. Slight bend near center of awl. Striations/incisions running transversely across entire awl. End 1 possibly broken with large layer coming off of tip and one side. Tip of End 1 is stepped, with a small nick missing. Two deep incisions run diagonally from this nick.

Manufacturing Stage/Processes:
Level of Manufacture: Roughly manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:
Edges:
Pointed: Not present
Tapered: Present
Flattened: Not present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: N/A
General Comments: End 1 is flatter.

Artifact: C10-1

Recorder: JMP **Date:** 9/29/2016

Reported Provenience: Crescent Bay Hunt Club, F10-29, Unit 10-10, Heavy Fraction, Flot >6.3mm

Morphofunctional Designation: Awl

Length:
Maximum: 50.22mm

Width:
Center of body: 5.78mm
End 1: 2.3mm
End 2: 2.47mm

Thickness:
Center of body: 5.39mm
End 1: 2.3mm
End 2: 2.47mm

Weight: 6.7g

Patina:
Type A: Present on 51-75% of object
Type B: Present on 26-50% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions with Type A throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: More pointed end has nick and a crack running longitudinally down awl. Other, more tapered end is blunt or worn. Cross section appears to have started as slightly square and was slightly rounded, especially near more pointed end. Accretions cover most of surface so striations, if they are present, are indistinguishable.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No):
N

Comments:
Edges:
Pointed: Present
Tapered: Present
Flattened: Not present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 46-75 degrees
General Comments:

Artifact: K14-2

Recorder: JMP **Date:** 5/3/2016

Reported Provenience: Koshkonong Creek Village, 2014 Field Season, Unit 14-05, Level 01, Area C and G

Morphofunctional Designation: Awl

Length:
Maximum: 43.55mm

Width:
Center of body: 5.36mm
End 1: 3.1mm
End 2: 6.24mm

Thickness:
Center of body: 5.09mm
End 1: 3.1mm
End 2: 6.24mm

Weight: 6.2g

Patina:
Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with some Type A.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Nick/ridge/step in side of tapered edge as if worn by boring holes. Tapered edge is slightly splayed. Opposite end is very splayed and may be a broken end. One half of this side may have been pressed into a mold. Sides of object have many dents, probably from fold over hammered manufacturing.

Manufacturing Stage/Processes:
Level of Manufacture: Roughly manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No): Y - in broken end

Comments:
Edges:
Pointed: Not present
Tapered: Present
Flattened: Not present
Splayed: Present
Broken: Not present
Angle of Pointed Edge: N/A
General Comments: Object closest resembles an awl, so it was documented in the awl section that follows. This object is very hefty and may have had other functions.

Artifact: S-10

Recorder: JMP **Date:** 7/3/2015

Reported Provenience: Schmeling, Schmeling Collection **Morphofunctional Designation:** Awl

Length:
Maximum: 32.28mm

Width:
Center of body: 6.25mm
End 1: 3.02mm
End 2: 5.58mm

Thickness:
Center of body: 4.85mm
End 1: 3.02mm
End 2: 5.58mm

Weight: 4g

Patina:

Type A: Present on 26-50% of object
Type B: Not present
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 1-25% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C throughout with some areas of Type A. Type D along cracks and recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Pointed tip is slightly splayed with small nick in tip. Quarter section of body closest to pointed tip is slightly bent following direction of tip splaying. Both could possibly be a result from stress of use. Indentations along center of body. Section of body has slightly pulled away from rest of body, though this looks to be a layer from manufacture that was not fully worked into the rest of the body. Cracks running along body probably from layers of manufacture. Slight recess in blunt edge that appears to be left over from imperfect manufacturing. Blunt end slightly smoothed, probably from use by holding in hand or by being hafted onto a handle?

Manufacturing Stage/Processes:

Level of Manufacture: Roughly manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No): M - in recess of thicker edge? In pockets of roughed up point?

Comments:

Edges:
Pointed: Present
Tapered: Not present
Flattened: Present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 46-75 degrees
General Comments: Appears to have been hammered and rolled into an awl.

APPENDIX D:
BEADS OF THE CRABAPPLE POINT, CRESCENT BAY HUNT CLUB, SCHMELING, AND KOSHKONONG CREEK VILLAGE SITES

Artifact: B72-1 Recorder: JMP Date: 7/3/2015

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 12.09mm
Seam: 5.67mm
Side Opposite Seam: 11.78mm

Width:
Maximum: 5.17mm
Top Orifice: 3.26mm
Bottom Orifice: 3.92mm

Thickness:
Rolled Over Side: 0.68mm
Side Opposite Seam: 0.78mm

Weight: 0.4g

Patina:

Type A: Present on 1-25% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present

Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object

Total Surface Area with Patina/Corrosion: Present on 76-100% of object

Location of Patina/Corrosion: Types A and C along edges and crease on right side.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Present

Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present

Loss:
Broken Piece: Not present
Nicks: Not present

Retooling:
Resharpened: Not present
Repaired: Not present

Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Possible slight rounding along bead edges. One scrape on right side where rolled over side bends to meet side opposite bead about 2.47 mm away from top bead edge.

Manufacturing Stage/Processes:

Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Pinched
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-2

Recorder: JMP **Date:** 7/3/2015

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 13.55mm
Seam: 12.6mm
Side Opposite Seam: 12.61mm

Width:
Maximum: 5.8mm
Top Orifice: 3.52mm
Bottom Orifice: 2.71mm

Thickness:
Rolled Over Side: 0.71mm
Side Opposite Seam: 0.69mm

Weight: 0.9g

Patina:

Type A: Present on 1-25% of object
Type B: Not present
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 1-25% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 1-25% of object
Location of Patina/Corrosion: Type A on top half of rolled over side and along rolled under edge where it meets rolled over side. Thin layer of Type C throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Lower edge of rolled over seam is bent slightly upwards; either bead was made in a flatter shape or was flattened through use or after deposition.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Indistinguishable or N/A
Possible Shaping Method: Folded

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - between folded edges?

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments: Cut from kettle? Very Clean. Intended to be a tinkler cone?

Artifact: B72-3

Recorder: JMP **Date:** 7/3/2015

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 8.34mm
Seam: 7.13mm
Side Opposite Seam: 8.2mm

Width:
Maximum: 6.91mm
Top Orifice: 3.18mm
Bottom Orifice: 3.27mm

Thickness:
Rolled Over Side: 0.68mm
Side Opposite Seam: 0.74mm

Weight: 1.1g

Patina:
Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A scattered throughout with accretions and pitting. Type C along upper and lower edges and Type D along possible incisions.

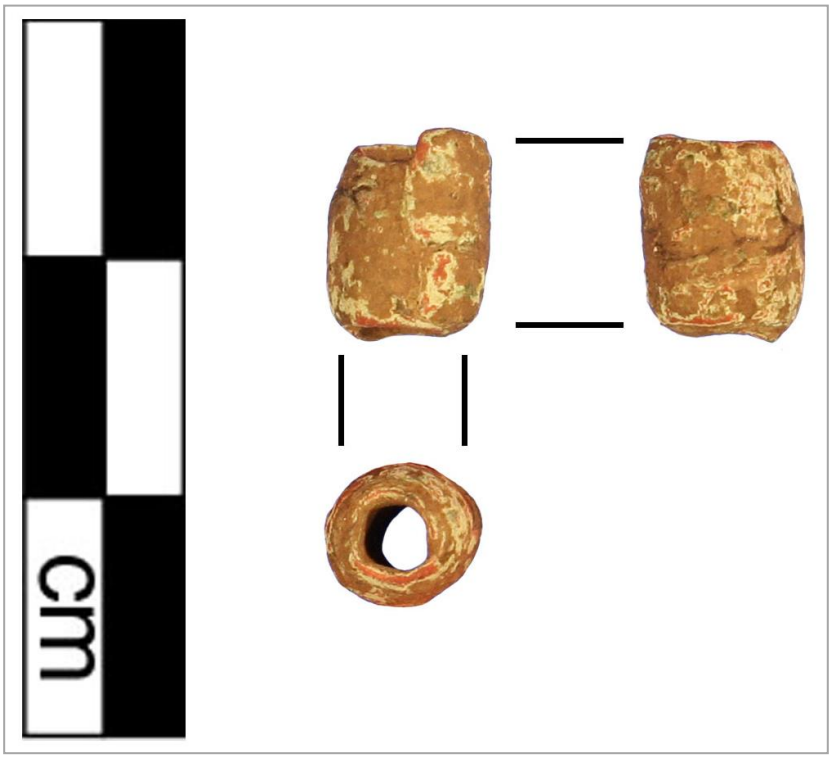
Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Rounding of bead's edges. Deep striations running longitudinally across rolled under side toward reverse side. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth

Decorations Present: Present
Decoration Description (if present): Incisions running longitudinally in center of bead stemming from rolled over side and continuing to left side.
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 271-260 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments: Decorated?



Artifact: B72-4

Recorder: JMP **Date:** 7/3/2015

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 5.58mm
Seam: 4.65mm
Side Opposite Seam: 5.2mm

Width:
Maximum: 7.28mm
Top Orifice: 3.92mm
Bottom Orifice: 4.15mm

Thickness:
Rolled Over Side: 0.81mm
Side Opposite Seam: 0.63mm

Weight: 0.5g

Patina:
Type A: Present on 51-75% of object
Type B: Not present
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A throughout and Type C along edges.

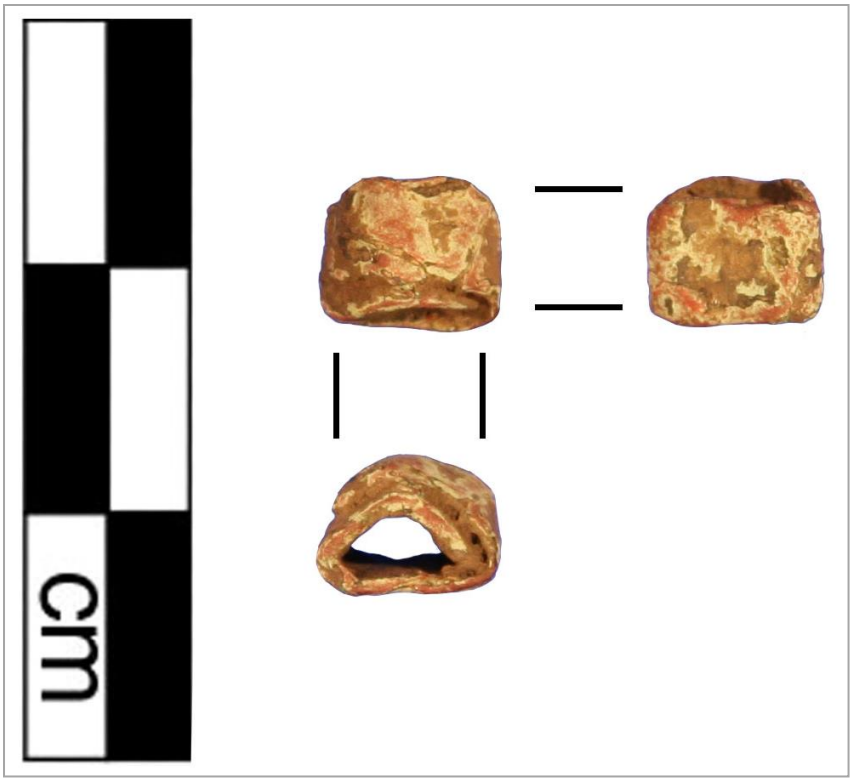
Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Small bend inward on lower left bead edge. Deep striation running diagonally from folded over side edge to bead edge; looks intentional like sharp object was dragged or chiseled to make a line, either a byproduct of manufacture, use, or a design. Some small nicks along upper bead edge and larger nick in center of bead edge of rolled over side.

Manufacturing Stage/Processes:
Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - between folded edges?

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:



Artifact: B72-5

Recorder: JMP **Date:** 7/3/2015

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 11.59mm
Seam: 7.4mm
Side Opposite Seam: 9.64mm

Width:
Maximum: 5.53mm
Top Orifice: 3.43mm
Bottom Orifice: 4.19mm

Thickness:
Rolled Over Side: 0.64mm
Side Opposite Seam: 0.93mm

Weight: 0.7g

Patina:

Type A: Present on 1-25% of object
Type B: Not present
Type C: Not present
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A along edges and thick accretions/pitting throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Accretion makes structure and surface of bead difficult to determine. Interior of bottom of rolled over side with some cracks and bends inward. It appears that there are some significant nicks on lower edge of bead. Upper edge appears to have two tabs bent inward on both the right and left sides.

Manufacturing Stage/Processes:

Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - within encrusted material?

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Pinched
Special Shape: No special shape
Seam Alignment: Askew
General Comments: Cannot fully observe bead surface due to encrusted substance.

Artifact: B72-6

Recorder: JMP **Date:** 7/3/2015

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 12.53mm
Seam: 8.15mm
Side Opposite Seam: 10.88mm

Width:
Maximum: 5.7mm
Top Orifice: 4.86mm
Bottom Orifice: 4.76mm

Thickness:
Rolled Over Side: 0.56mm
Side Opposite Seam: 0.57mm

Weight: 0.5g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 1-25% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C covering most of bead. Type A in center of sides. Accretions on rolled over side and side opposite seam.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Crack, 0.63mm long on bead edge where left side and side opposite seam meet. Small bend inward in center of top bead edge of rolled under side. Small nicks along edges with one larger nick on top bead edge of side opposite seam and two larger nicks on bottom bead edge of rolled under side.

Manufacturing Stage/Processes:
Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - interior seems to be slightly encrusted with material?

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-7

Recorder: JMP **Date:** 7/3/2015

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 10.92mm
Seam: 7.8mm
Side Opposite Seam: 10.59mm

Width:
Maximum: 5.75mm
Top Orifice: 3.31mm
Bottom Orifice: 3.75mm

Thickness:
Rolled Over Side: 0.49mm
Side Opposite Seam: 0.72mm

Weight: 0.6g

Patina:

Type A: Present on 76-100% of object
Type B: Not present
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions, pitting, and Type A throughout. Type C along edges and on side opposite seam.

Manufacturing Marks and/or Use-Wear:

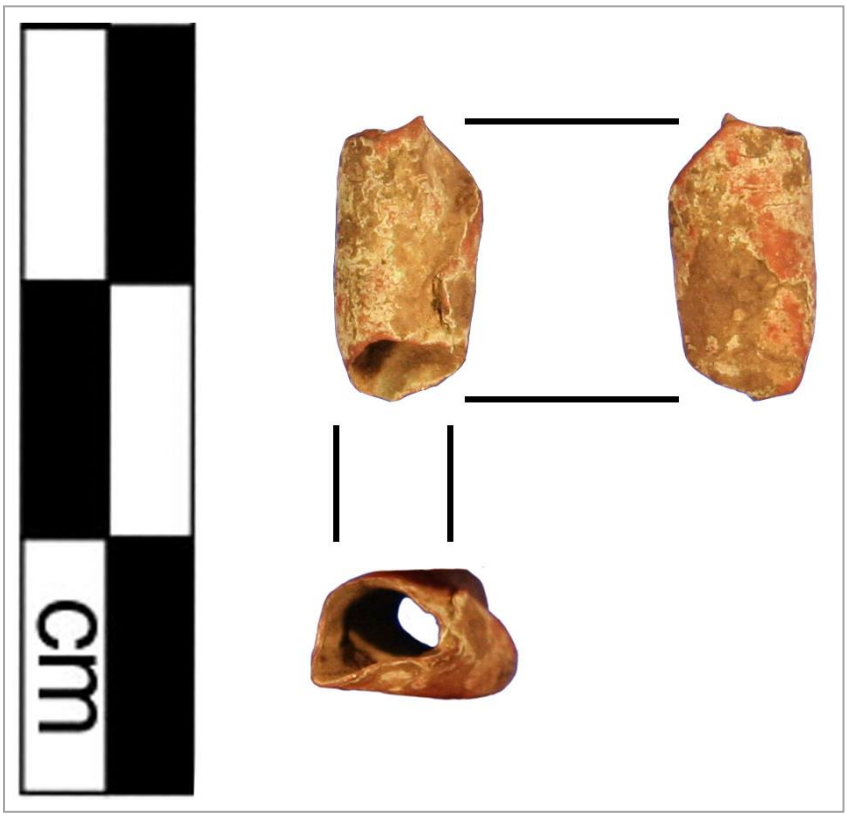
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Slight bend inward on upper bead edge of rolled under side. Two small bends inward on lower bead edge of side opposite seam, which almost makes it looked like this edge was pinched.

Manufacturing Stage/Processes:

Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): Y - fiber, hair? and material between folded over edge



Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-8

Recorder: JMP **Date:** 7/3/2015

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 7.06mm
Seam: 5.39mm
Side Opposite Seam: 6.45mm

Width:
Maximum: 6.35mm
Top Orifice: 4.52mm
Bottom Orifice: 5.17mm

Thickness:
Rolled Over Side: 0.72mm
Side Opposite Seam: 0.49mm

Weight: 0.5g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions, pitting, and Type A throughout. Type B in specks on side opposite seam.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Rounding on bead's edges. Seems to be some polish on rolled under side that extends to half of side opposite of seam; since this polish is on areas of heavy Type A patina, it may have occurred after deposition. Seam of rolled over edge smoothed against rest of bead body with some possible material placed between this edge and the rolled under side in order to disguise the seam.

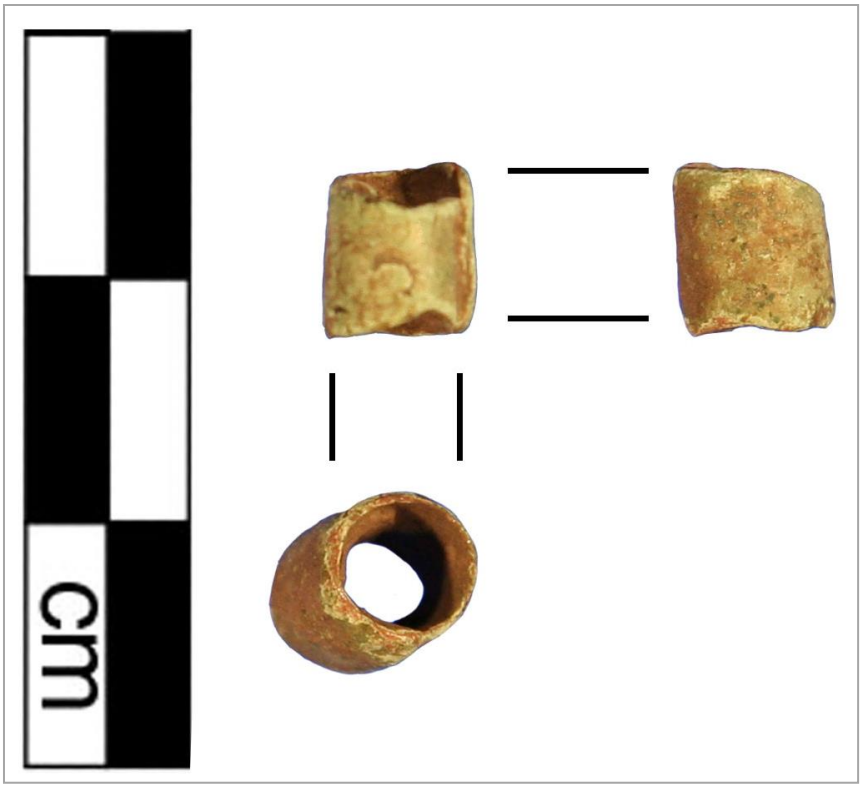
Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - some accretions on interior

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Flared
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Pinched
Special Shape: No special shape
Seam Alignment: Flush
General Comments:



Artifact: B72-9

Recorder: JMP **Date:** 7/3/2015

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 12.1mm
Seam: 8.5mm
Side Opposite Seam: 8.69mm

Width:
Maximum: 5.72mm
Top Orifice: 3.04mm
Bottom Orifice: 3.56mm

Thickness:
Rolled Over Side: 0.71mm
Side Opposite Seam: 0.7mm

Weight: 0.4g

Patina:

Type A: Present on 76-100% of object
Type B: Not present
Type C: Present on 1-25% of object
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout with some pitting.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Rounding/bending inward on bead's lower edge. Some small losses along lower edge, though it is unclear if this is from use or just is the irregular shape of the bead's edge created during manufacture.

Manufacturing Stage/Processes:

Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - some accretions on interior

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-10

Recorder: JMP **Date:** 7/3/2015

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 14mm
Seam: 11.55mm
Side Opposite Seam: 13.73mm

Width:
Maximum: 7.95mm
Top Orifice: 5.74mm
Bottom Orifice: 6.38mm

Thickness:
Rolled Over Side: 0.4mm
Side Opposite Seam: 0.53mm

Weight: 1.2g

Patina:

Type A: Present on 1-25% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Not present
Type E: Not present

Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object

Total Surface Area with Patina/Corrosion: Present on 76-100% of object

Location of Patina/Corrosion: Type A and accretions throughout with some pitting. Type B on side opposite seam.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present

Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present

Loss:
Broken Piece: Not present
Nicks: Present

Retooling:
Resharpened: Not present
Repaired: Not present

Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Crack roughly 2mm in size starting on lower edge of bead near seam and extending upward and to the right. Significant bend inward along lower edge of bead on left side. Shallow striations throughout bead with some deeper striations making a cross on the side opposite the seam. It appears that many of these striations are through the bead's surface deterioration, so these marks may be from recent curation.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Possibly cut from copper or brass kettle
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Polygonal

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments: cut from kettle?

Artifact: B72-11

Recorder: JMP **Date:** 7/3/2015

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 20.28mm
Seam: 15.02mm
Side Opposite Seam: 17.68mm

Width:
Maximum: 7.06mm
Top Orifice: 4.6mm
Bottom Orifice: 4.75mm

Thickness:
Rolled Over Side: 0.25mm
Side Opposite Seam: 0.41mm

Weight: 0.9g

Patina:

Type A: Present on 51-75% of object
Type B: Not present
Type C: Present on 51-75% of object
Type D: Not present
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C mostly on rolled over and under sides with areas of Type A, and Type A mostly on side opposite seam with areas of Type C.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Bead was either made in an flatter, oval shape or was flattened during manufacture, through use, or after deposition. A few small cracks on upper bead edge of rolled over side. Center of lower bead edge of side opposite seam has a crack that was then bent inward. Sizeable impression near top bead edge of side opposite seam (possibly decoration?). Four raised lines running from rolled over seam edge longitudinally across rolled over side following its lower bead edge; decoration?

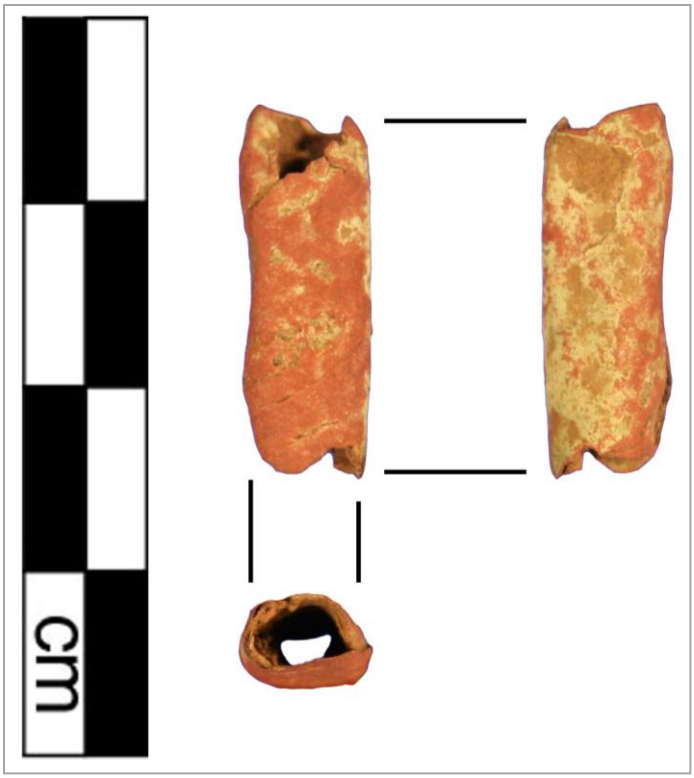
Manufacturing Stage/Processes:

Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Present
Decoration Description (if present): Striations stemming from rolled over edge
Cross-Section Shape: Square

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Pinched
Special Shape: No special shape
Seam Alignment: Askew
General Comments: Possibly decorated with embossed lines on rolled over side and impression on top of side opposite seam.



Artifact: B72-12

Recorder: JMP **Date:** 7/3/2015

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 11.97mm
Seam: 9.73mm
Side Opposite Seam: 11.21mm

Width:
Maximum: 8.54mm
Top Orifice: 5.65mm
Bottom Orifice: 4.4mm

Thickness:
Rolled Over Side: 1.01mm
Side Opposite Seam: 0.97mm

Weight: 2.1g

Patina:

Type A: Present on 76-100% of object
Type B: Not present
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A throughout with some Type C. Thin accretions throughout with some pitting. Type D along incisions/striations.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Rounded bead edges. Somewhat deep striations running from lower rolled over seam edge running longitudinally to side opposite of seam (possible from manufacture or use). Nick about 1.3 mm deep on lower bead edge of rolled over side. Seam of rolled over edge smoothed against rest of bead body with some possible material placed between this edge and the rolled under side in order to disguise the seam.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Cross-Section Shape: Square
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy

Decorations Present: Present
Decoration Description (if present): Striations running from longitudinally

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - in between rolled over and under sides?

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 271-260 degrees
Rolled Under Seam Edge: Pinched
Special Shape: No special shape
Seam Alignment: Flush
General Comments: Possibly decorated?

Artifact: B72-13

Recorder: JMP **Date:** 1/7/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 15.96mm
Seam: 11.48mm
Side Opposite Seam: 15.74mm

Width:
Maximum: 8.27mm
Top Orifice: 3.85mm
Bottom Orifice: 5.57mm

Thickness:
Rolled Over Side: 0.76mm
Side Opposite Seam: 0.58mm

Weight: 0.9g

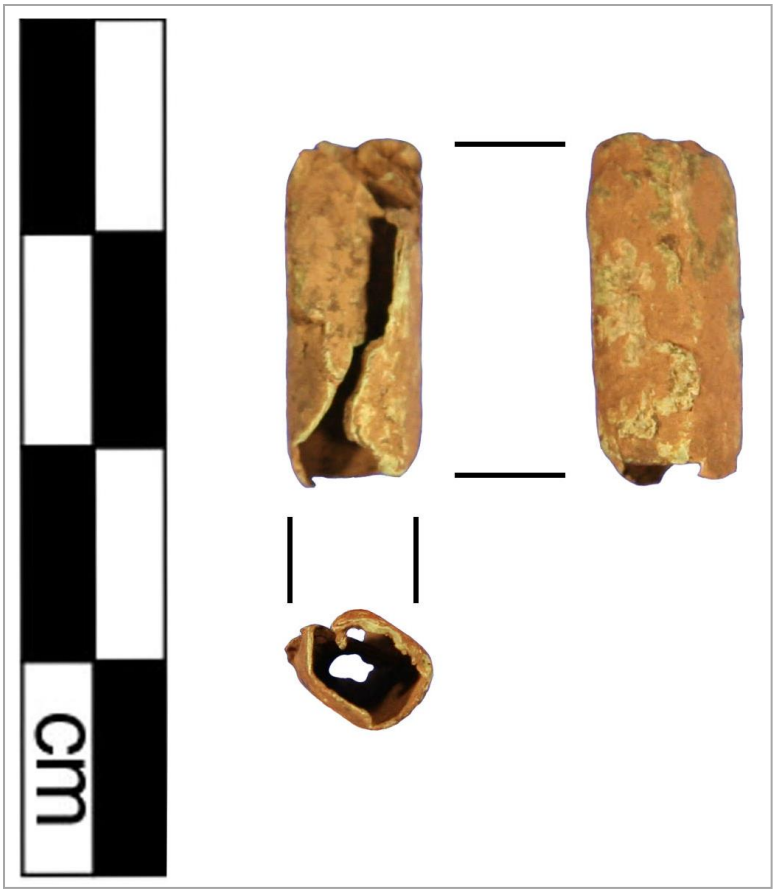
Patina:

Type A: Present on 26-50% of object
Type B: Not present
Type C: Not present
Type D: Not present
Type E: Not present
Accretions: Present on 1-25% of object
Pitting: Not present
Total Surface Area with Patina/Corrosion: Present on 26-50% of object
Location of Patina/Corrosion: Sporadically throughout bead, especially on rolled over side

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Rolled under side is bent inward and broken at the original manufacturing bend. Cracks along side bends. On upper bead edge of rolled over side, a section had been broken and bent inward. Bottom bead edge has many nicks and is slightly bent inward. Wear could be from use or from post deposition.



Manufacturing Stage/Processes:

Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Broken
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Pinched
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-14

Recorder: JMP **Date:** 1/7/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 10.59mm
Seam: 10.59mm
Side Opposite Seam: 7.94mm

Width:
Maximum: 8.34mm
Top Orifice: 3.18mm
Bottom Orifice: 3.97mm

Thickness:
Rolled Over Side: 1.45mm
Side Opposite Seam: 2.03mm

Weight: 2.1g

Patina:

Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 1-25% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Patina throughout, Type D especially along recesses/embossed striations. Patina actually decoration? Type C is over Type A, so it makes me think it's not

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Deep striations/incisions following seamline that extend around entire bead. These striations and what is thought of as patina could possibly be decorations? Seam of rolled over edge smoothed against rest of bead body with some possible black material placed between this edge and the rolled under side in order to disguise the seam.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Cross-Section Shape: Circular
Possible Manufacturing Method: Indistinguishable or N/A
Possible Shaping Method: Cut from blank and rolled, smooth

Decorations Present: Present
Decoration Description (if present): Striations/incisions and coloration actually decoration?

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments: Possibly decorated? Looks like it is formed differently than other beads. Swirled?

Artifact: B72-15

Recorder: JMP **Date:** 1/7/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 18.42mm
Seam: 11.59mm
Side Opposite Seam: 18.14mm

Width:
Maximum: 6.3mm
Top Orifice: 4.06mm
Bottom Orifice: 2.19mm

Thickness:
Rolled Over Side: 0.75mm
Side Opposite Seam: 0.63mm

Weight: 1.8g

Patina:
Type A: Present on 26-50% of object
Type B: Present on 76-100% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Present on 1-25% of object
Accretions: Present on 1-25% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Patina throughout, especially Type C

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Nick on top bead edge on left side, Nick on lower bead edge on side opposite seam. Slight bending inward on each end. Smoothing during manufacture and rounded edges from use. Some moderately deep striations throughout bead that run longitudinally along bead, though this could be from flakiness of structure from manufacture. Seam of rolled over edge smoothed against rest of bead body with some possible black material placed between this edge and the rolled under side in order to disguise the seam.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 271-260 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments: Looks like two beads set inside of one another, but could be from an irregular blank.

Artifact: B72-16

Recorder: JMP **Date:** 1/7/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 11.02mm
Seam: 9.34mm
Side Opposite Seam: 11.11mm

Width:
Maximum: 6.33mm
Top Orifice: 3.57mm
Bottom Orifice: 3.35mm

Thickness:
Rolled Over Side: 1.72mm
Side Opposite Seam: 1.6mm

Weight: 1g

Patina:
Type A: Present on 1-25% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Not present
Type E: Present on 1-25% of object
Accretions: Present on 26-50% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Patina throughout, especially Type C. Accretions on rolled over side.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Rounded bead edges. Seam of rolled over edge smoothed against rest of bead body with some possible material placed between this edge and the rolled under side in order to disguise the seam.

Manufacturing Stage/Processes:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Indistinguishable or N/A
Possible Shaping Method: Cut from blank and rolled, smooth

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - accretions on interior of bead

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-17

Recorder: JMP **Date:** 1/7/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 5.88mm
Seam: 3.76mm
Side Opposite Seam: 5.36mm

Width:
Maximum: 5.28mm
Top Orifice: 3.27mm
Bottom Orifice: 3.08mm

Thickness:
Rolled Over Side: 0.37mm
Side Opposite Seam: 1.49mm

Weight: 0.2g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 26-50% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 1-25% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Patina throughout, especially Type A. Type C mostly along edges and major bends in bead body.

Manufacturing Marks and/or Use-Wear:

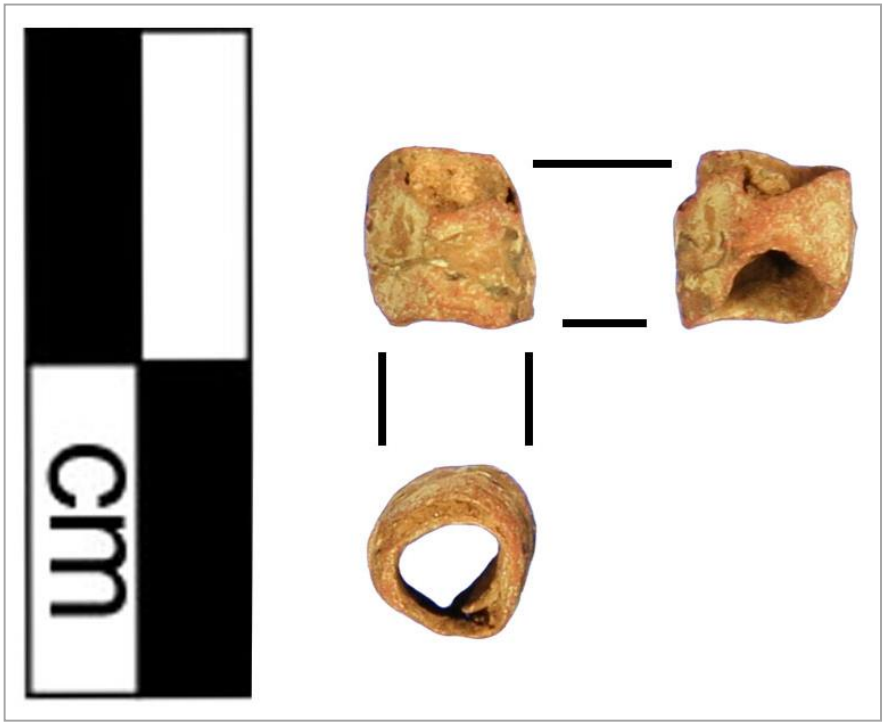
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Rounded lower bead edge. Striations running longitudinally along rolled over side. Seam of rolled over edge smoothed against rest of bead body with some possible black material placed between this edge and the rolled under side in order to disguise the seam.

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 271-260 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments: Very small and seam is very overlapped.



Artifact: B72-18

Recorder: JMP **Date:** 1/7/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 9.31mm
Seam: 9.1mm
Side Opposite Seam: 7.21mm

Width:
Maximum: 4.09mm
Top Orifice: 2.81mm
Bottom Orifice: 1.48mm

Thickness:
Rolled Over Side: 0.47mm
Side Opposite Seam: 0.46mm

Weight: 0.2g

Patina:

Type A: Present on 76-100% of object
Type B: Not present
Type C: Not present
Type D: Not present
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Not present
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Patina throughout, especially Type A. Corrosion sporadically throughout, but especially on rolled under side.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Crack on upper half of rolled under side lead to this area being bent inward. Left side also had two cracks in upper bead edge with area between these cracks folded outward and against the bead body. Side opposite seam is rather polished. Seems that bead may have been polished prior to use, because of use, and/or after deposition. Deep incisions on top of rolled under and rolled over sides as well as on lower bead edge of side opposite seam could be from wear or are decorated. Seam of rolled over edge smoothed against rest of bead body.

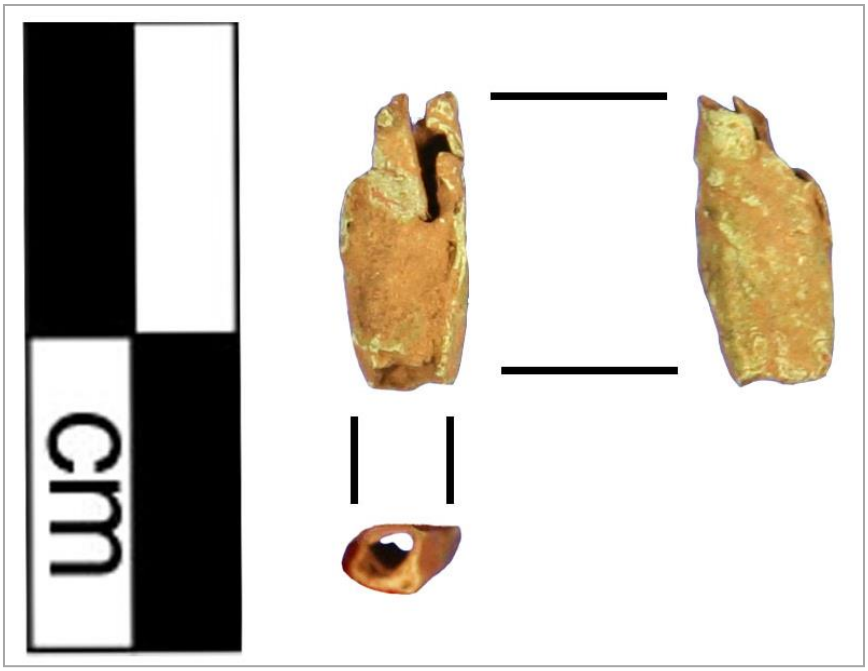
Manufacturing Stage/Processes:

Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present
Decoration Description (if present): Incisions on top half of top portion of rolled under and rolled under sides and on lower bead edge of side opposite seam - Decorative?
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Pinched
Special Shape: No special shape
Seam Alignment: Flush
General Comments:



Artifact: B72-19

Recorder: JMP **Date:** 1/7/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 7.04mm
Seam: 6.58mm
Side Opposite Seam: 7.04mm

Width:
Maximum: 4.06mm
Top Orifice: 2.6mm
Bottom Orifice: 2.52mm

Thickness:
Rolled Over Side: 0.65mm
Side Opposite Seam: 0.38mm

Weight: 0.3g

Patina:

Type A: Present on 1-25% of object
Type B: Not present
Type C: Not present
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 1-25% of object
Pitting: Not present
Total Surface Area with Patina/Corrosion: Present on 51-75% of object
Location of Patina/Corrosion: Patina on edges and on rolled over and rolled under sides.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Slight use-wear along bead edges. Some striations along seam edges. Seam of rolled over edge smoothed against rest of bead body.

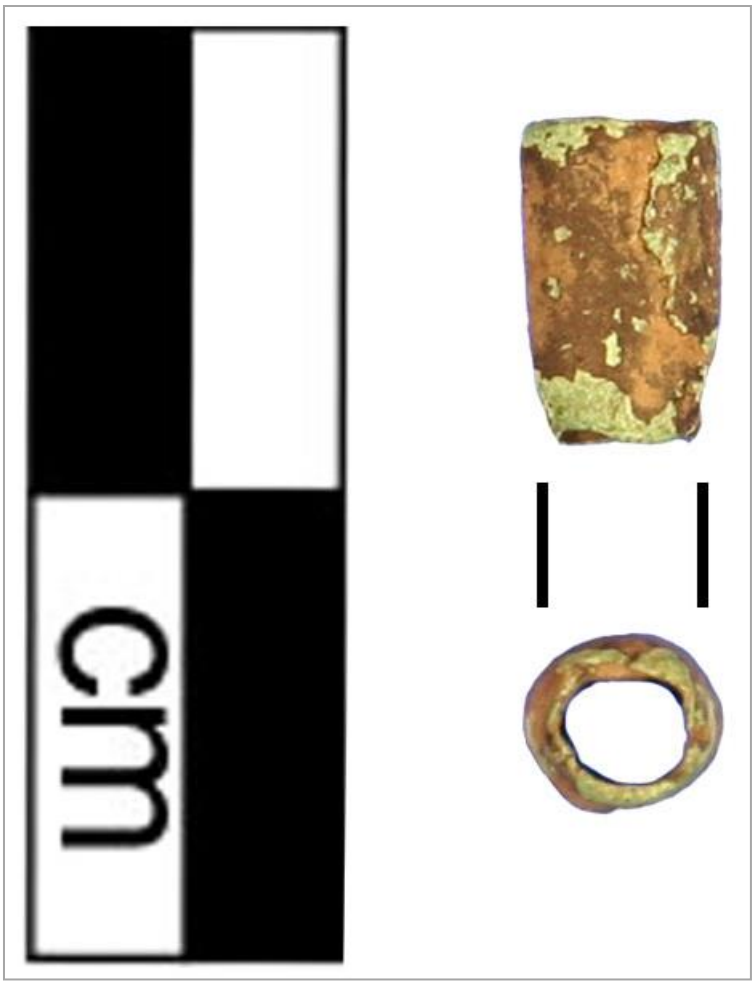
Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Indistinguishable or N/A
Possible Shaping Method: Cut from blank and rolled, smooth
Decorations Present: Present
Decoration Description (if present): Striations possibly decoration?
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:



Artifact: B72-20

Recorder: JMP **Date:** 1/7/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 10.72mm
Seam: 10.07mm
Side Opposite Seam: 9.14mm

Width:
Maximum: 5.66mm
Top Orifice: 3.13mm
Bottom Orifice: 2.74mm

Thickness:
Rolled Over Side: 0.76mm
Side Opposite Seam: 0.55mm

Weight: 0.5g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 26-50% of object
Type C: Not present
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Not present
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A over most of bead. Type B and D in areas where Type A is not.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Bend inward on lower bead edge of side opposite seam. Many striations stemming from rolled under side edge and well as some running longitudinally throughout bead body. Manufacturing marks? Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments: Best evidence of manufacturing striations I have seen yet.

Artifact: B72-21

Recorder: JMP **Date:** 1/9/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 9.19mm
Seam: 8.23mm
Side Opposite Seam: 7.77mm

Width:
Maximum: 5.63mm
Top Orifice: 2.1mm
Bottom Orifice: 2.14mm

Thickness:
Rolled Over Side: 0.57mm
Side Opposite Seam: 0.71mm

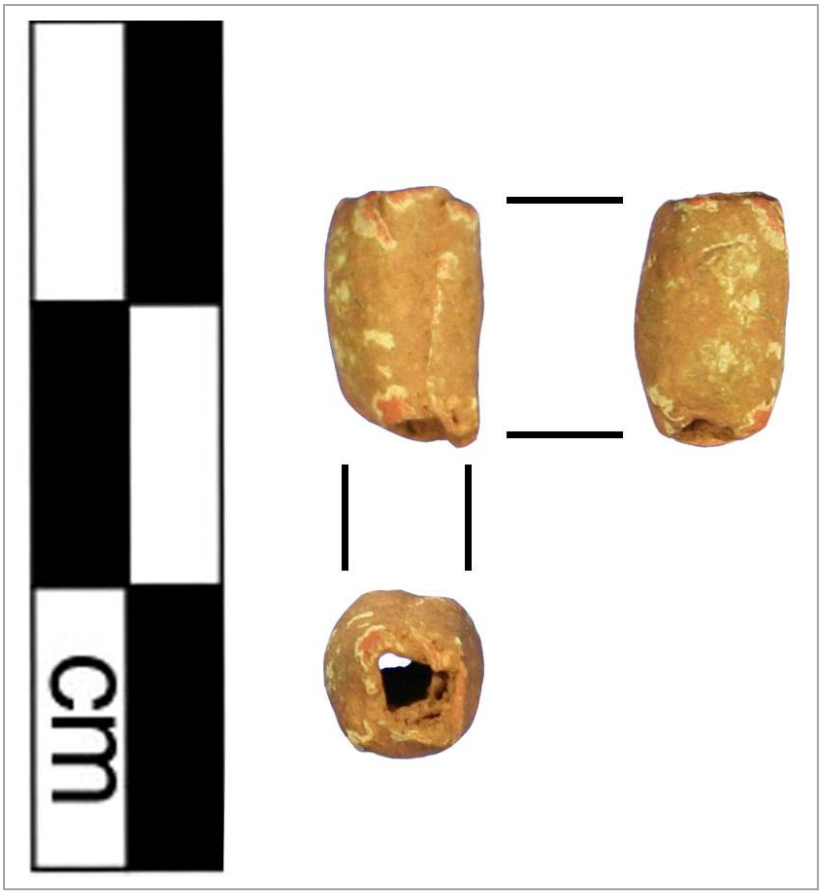
Weight: 0.4g

Patina:

Type A: Present on 1-25% of object
Type B: Not present
Type C: Present on 1-25% of object
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thin layers of accretion throughout with some spots of Type A.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Bead edges bent inward, especially lower bead edge. Two incisions on upper half of left side that appear to be from manufacture, use, or deposition. Seam of rolled over edge slightly smoothed against rest of bead body and has a rippled appearance.



Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - inside of bead

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Indeterminate
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-22

Recorder: JMP **Date:** 1/9/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 7.67mm
Seam: 7.33mm
Side Opposite Seam: 6.65mm

Width:
Maximum: 5.86mm
Top Orifice: 3.44mm
Bottom Orifice: 3.33mm

Thickness:
Rolled Over Side: 0.98mm
Side Opposite Seam: 1.15mm

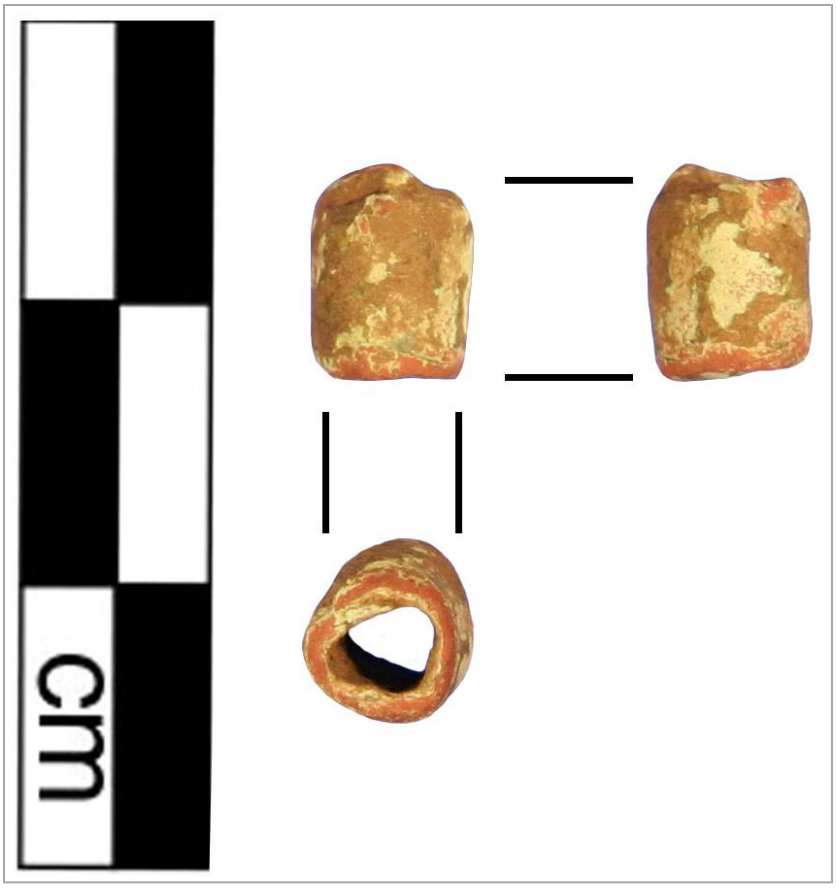
Weight: 0.6g

Patina:

Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thin layers of accretion throughout. Type A mostly on body of bead and Type C mostly along edges. Type C along striations on folded edges and lower bead edge of side opposite seam.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: A couple of small incisions running longitudinally on bead's body probably from use or post deposition. Bead's edges are both rounded from use. Striations with dark patina from manufacture?



Manufacturing Stage/Processes:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-23

Recorder: JMP **Date:** 1/9/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 5.94mm
Seam: 5.54mm
Side Opposite Seam: 5.04mm

Width:
Maximum: 5.02mm
Top Orifice: 3.19mm
Bottom Orifice: 3.28mm

Thickness:
Rolled Over Side: 0.84mm
Side Opposite Seam: 0.72mm

Weight: 0.3g

Patina:

Type A: Present on 26-50% of object
Type B: Not present
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 1-25% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type D along striation running longitudinally in center of bead. Type C throughout with areas of Type A.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Bend inward on upper bead edge at seam. Incision running longitudinally in the center of bead, appears to be decorative. Both of bead's edges are smoothed from use. Possibly slightly squished from deposition or use. Seam of rolled over edge smoothed against rest of bead body with some possible black material placed between this edge and the rolled under side in order to disguise the seam.

Manufacturing Stage/Processes:

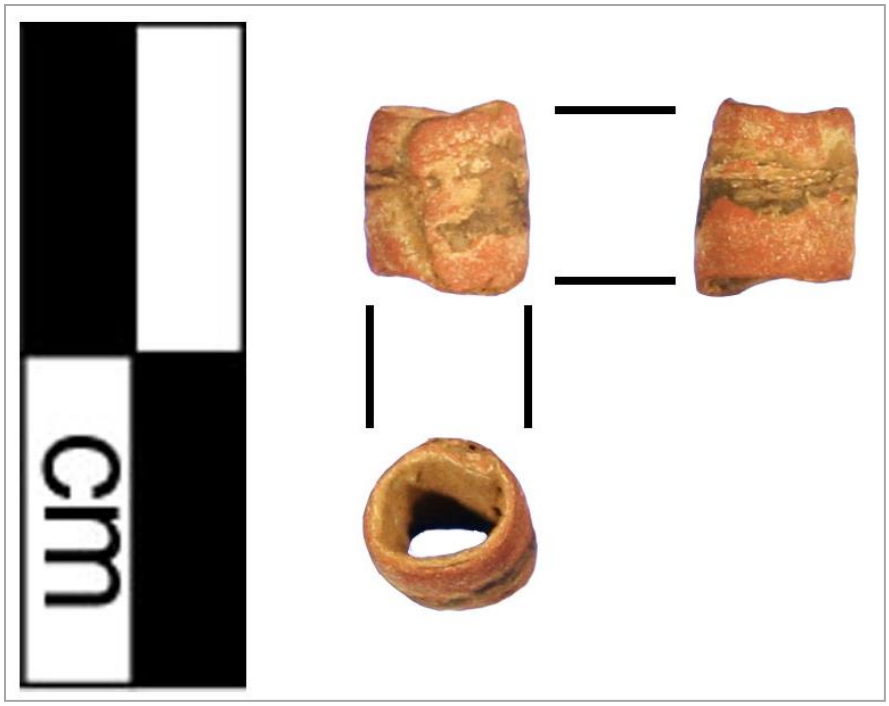
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Possibly cut from copper or brass kettle
Possible Shaping Method: Cut from blank and rolled, smooth

Decorations Present: Present
Decoration Description (if present): Line of incisions roughly running along bead's longitudinal center.
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - black is patina or other decorative material?

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments: Almost definitely decorated.



Artifact: B72-24

Recorder: JMP **Date:** 1/9/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 5.62mm
Seam: 4.35mm
Side Opposite Seam: 4.78mm

Width:
Maximum: 5.47mm
Top Orifice: 2.91mm
Bottom Orifice: 2.93mm

Thickness:
Rolled Over Side: 1.25mm
Side Opposite Seam: 1.05mm

Weight: 0.4g

Patina:

Type A: Present on 1-25% of object
Type B: Not present
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type D along all edges with some Type A. Accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Possible striations/incisions running longitudinally from rolled over seam edge towards right side. Both of bead's edges are rounded from use. Seam of rolled over edge smoothed against rest of bead body with some possible black material placed between this edge and the rolled under side in order to disguise the seam.

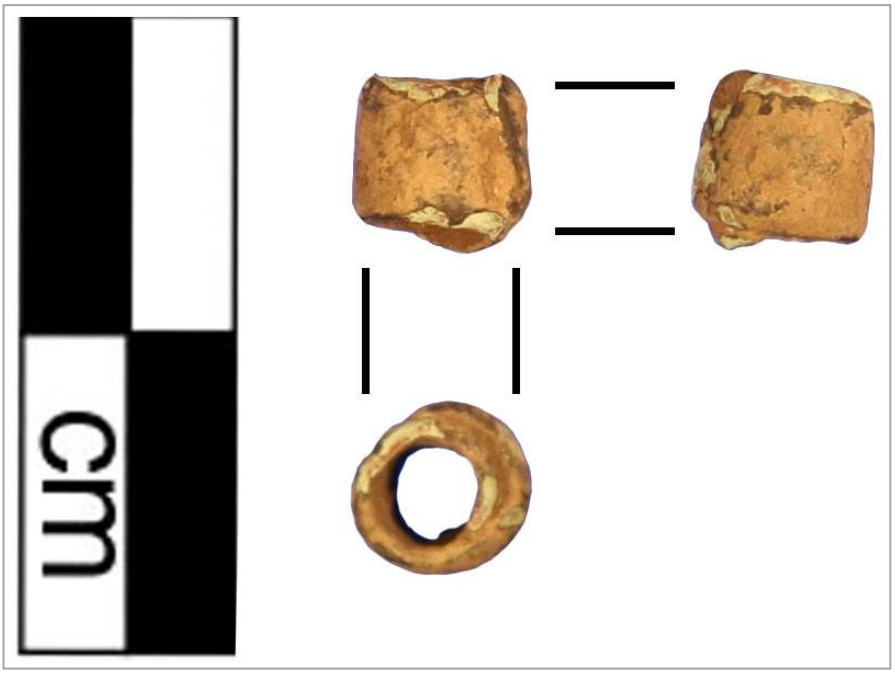
Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Possibly cut from copper or brass kettle
Possible Shaping Method: Cut from blank and rolled, smooth
Decorations Present: Present
Decoration Description (if present): Striations possibly decoration?
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments: Since striations are visible without loupe, they may probably be decorations.



Artifact: B72-25

Recorder: JMP **Date:** 1/9/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 8.66mm
Seam: 7.41mm
Side Opposite Seam: 7.35mm

Width:
Maximum: 5.02mm
Top Orifice: 2.65mm
Bottom Orifice: 2.77mm

Thickness:
Rolled Over Side: 0.59mm
Side Opposite Seam: 0.61mm

Weight: 0.4g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 51-75% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 1-25% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and B throughout. Thicker accretions on top of rolled under side and on right side.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Smooth bead sides probably from manufacture and smoothed bead edges probably from use. Seam of rolled over edge smoothed against rest of bead body with some possible black material placed between this edge and the rolled under side in order to disguise the seam.

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured artifact **Cross-Section Shape:** Circular

Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth

Decorations Present: Not present
Decoration Description (if present):

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-26

Recorder: JMP **Date:** 1/9/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 6.95mm
Seam: 6.12mm
Side Opposite Seam: 6.06mm

Width:
Maximum: 5.82mm
Top Orifice: 2.36mm
Bottom Orifice: 2.4mm

Thickness:
Rolled Over Side: 1.28mm
Side Opposite Seam: 1.1mm

Weight: 0.6g

Patina:

Type A: Present on 1-25% of object
Type B: Not present
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 1-25% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C throughout with areas of Type A. Type D follows striations and recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Small nicks around bead's edges, especially upper edge. Striations/incisions run throughout bead mostly at longitudinal center and appear to be decorative. Seam of rolled over edge smoothed against rest of bead body with some possible black material placed between this edge and the rolled under side in order to disguise the seam.

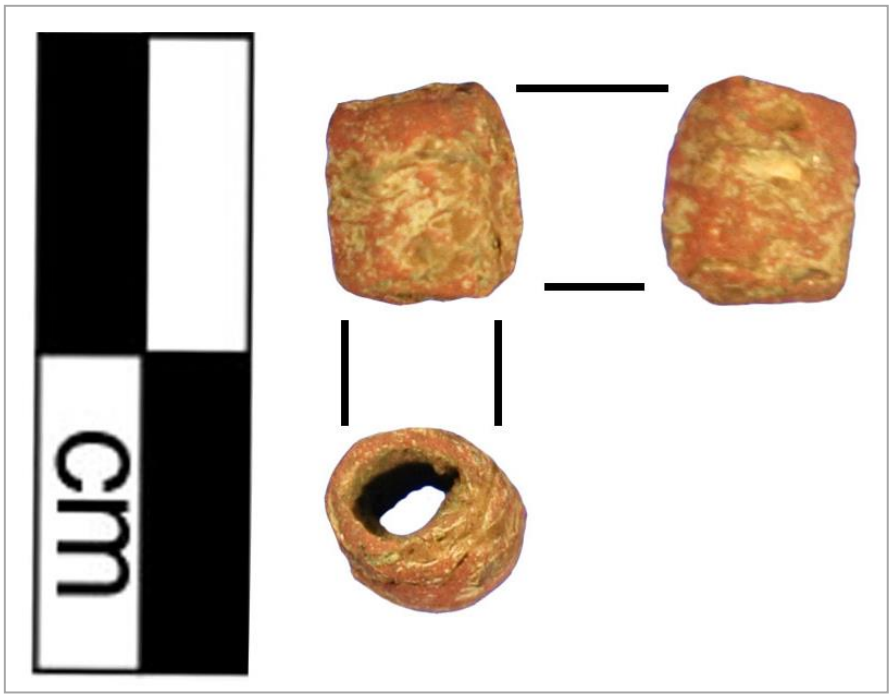
Manufacturing Stage/Processes:

Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Indistinguishable or N/A
Possible Shaping Method: Cut from blank and rolled, smooth
Decorations Present: Present
Decoration Description (if present): Striations/incisions that run longitudinally around center of bead are probably decorative. Also appears to be punctated on lower portion of side opposite seam.
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - adhered to inside?

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: Globular
Seam Alignment: Flush
General Comments: Probably decorated. Slightly globular.



Artifact: B72-27

Recorder: JMP **Date:** 1/9/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 6.85mm
Seam: 6.12mm
Side Opposite Seam: 6.84mm

Width:
Maximum: 6mm
Top Orifice: 3.13mm
Bottom Orifice: 1.96mm

Thickness:
Rolled Over Side: 1.53mm
Side Opposite Seam: 0.79mm

Weight: 0.8g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 1-25% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A throughout, especially on side opposite of seam. Side opposite of seam also has some thicker accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Seam is very smoothed over, probably done during manufacture. Bead edges are rounded from use and have some areas where the smoothing is so significant that there are losses to the edge (top edge left side and bottom edge side opposite of seam). Seam of rolled over edge smoothed against rest of bead body with some possible black material placed between this edge and the rolled under side in order to disguise the seam.

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth

Decorations Present: Not present

Decoration Description (if present):
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 271-260 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments: Really smoothed seam.

Artifact: B72-28

Recorder: JMP **Date:** 1/9/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 6.66mm
Seam: 6.35mm
Side Opposite Seam: 6.26mm

Width:
Maximum: 5.78mm
Top Orifice: 3.29mm
Bottom Orifice: 2.36mm

Thickness:
Rolled Over Side: 1.12mm
Side Opposite Seam: 1.11mm

Weight: 0.6g

Patina:

Type A: Present on 1-25% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Not present
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A mostly along edges. Thick layer of accretion on surface.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Rounded edges of bead. Accretions on surface make other use-wear difficult to discern. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: Globular
Seam Alignment: Flush
General Comments: Slightly globular.

Artifact: B72-29

Recorder: JMP **Date:** 1/9/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 11.91mm
Seam: 9.33mm
Side Opposite Seam: 11.11mm

Width:
Maximum: 6.89mm
Top Orifice: 3.57mm
Bottom Orifice: 4.4mm

Thickness:
Rolled Over Side: 1.31mm
Side Opposite Seam: 0.64mm

Weight: 1g

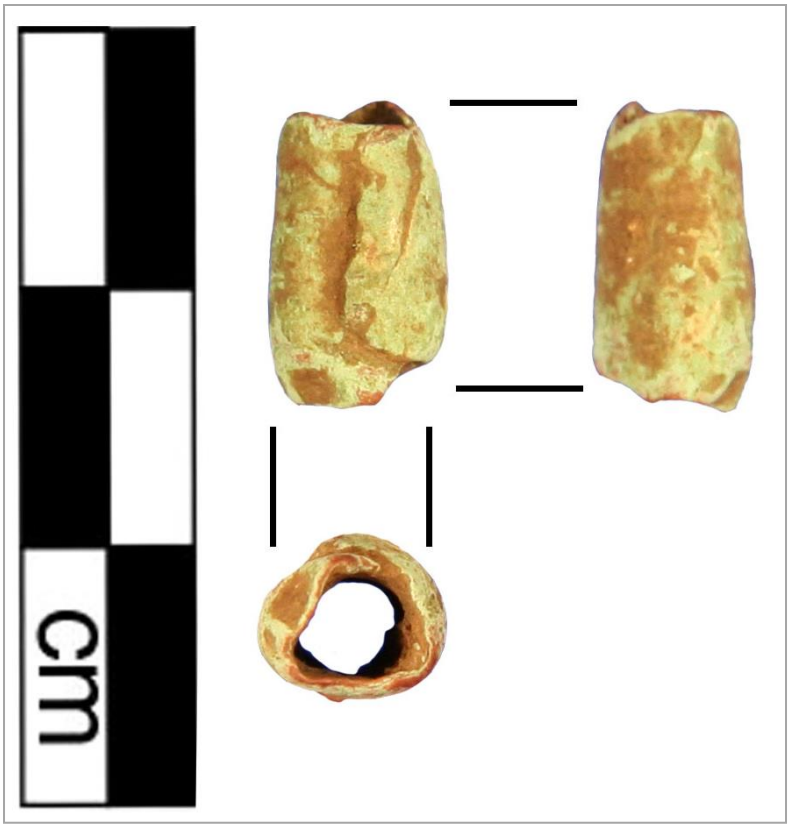
Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Not present
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Mostly covered in Type A patina. Accretions mostly on side opposite seam.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Two incisions on left side and one on right near longitudinal center running parallel to bead's edge, since these are on bends of the bead they probably are scratches from use. Smoothed bead's edges. Sizeable bend on lower edge of rolled under side. Two nicks on upper bead edge (one on rolled under side, one on side opposite seam) and one on lower bead edge on side opposite seam that are probably from extensive use. Upper half of seam of rolled over edge smoothed against rest of bead body.



Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - on interior?

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments: From top edge, looks boxily rolled; from bottom edge, looks folded.

Artifact: B72-30

Recorder: JMP **Date:** 1/9/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 11.19mm
Seam: 9.61mm
Side Opposite Seam: 8.94mm

Width:
Maximum: 5.21mm
Top Orifice: 2.26mm
Bottom Orifice: 3.22mm

Thickness:
Rolled Over Side: 0.87mm
Side Opposite Seam: 0.76mm

Weight: 0.5g

Patina:

Type A: Present on 76-100% of object
Type B: Not present
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Body of bead mostly covered with Type A and accretions. Bead's edges are mostly covered in Type C.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Bead surface smoothed probably during manufacture. Bead edges worn from use with worn-down nicks on center of top edge on side opposite seam and on bottom edge center of rolled under side and on center of side opposite of seam. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-31

Recorder: JMP **Date:** 1/9/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 11.86mm
Seam: 10.8mm
Side Opposite Seam: 11.4mm

Width:
Maximum: 4.98mm
Top Orifice: 2.52mm
Bottom Orifice: 2.61mm

Thickness:
Rolled Over Side: 0.88mm
Side Opposite Seam: 0.64mm

Weight: 0.6g

Patina:

Type A: Present on 1-25% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Body of bead mostly covered in accretions with Type D patina. Type A along edges and rolled over side.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Bead's edges are smoothed from use. Rolled over side appears to have multiple cracks stemming from seam. Accretions on surface make it difficult to discern wear. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-32

Recorder: JMP **Date:** 1/9/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 12.6mm
Seam: 12.33mm
Side Opposite Seam: 11.75mm

Width:
Maximum: 5.04mm
Top Orifice: 3.57mm
Bottom Orifice: 3.55mm

Thickness:
Rolled Over Side: 0.46mm
Side Opposite Seam: 0.49mm

Weight: 0.5g

Patina:

Type A: Present on 1-25% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Not present
Type E: Not present

Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object

Total Surface Area with Patina/Corrosion: Present on 76-100% of object

Location of Patina/Corrosion: Body of bead mostly covered in accretions. Type A along edges and rolled over side.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present

Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present

Loss:
Broken Piece: Not present
Nicks: Present

Retooling:
Resharpened: Not present
Repaired: Not present

Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Smoothing on bead's edges. Two striations along seam edge on rolled over side and some stemming from top bead edge on side opposite of seam; appear to be from use as they are not very deep. Nick in lower bead edge on rolled under side near seam and another nick on seam edge of rolled over side in center.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Flared
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-33

Recorder: JMP **Date:** 1/9/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 7.91mm
Seam: 7.63mm
Side Opposite Seam: 7.52mm

Width:
Maximum: 6.69mm
Top Orifice: 3.2mm
Bottom Orifice: 3.32mm

Thickness:
Rolled Over Side: 1.75mm
Side Opposite Seam: 1.64mm

Weight: 1.2g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 1-25% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Bead mostly covered in Type A and C, as well as some accretions and pitting.

Manufacturing Marks and/or Use-Wear:

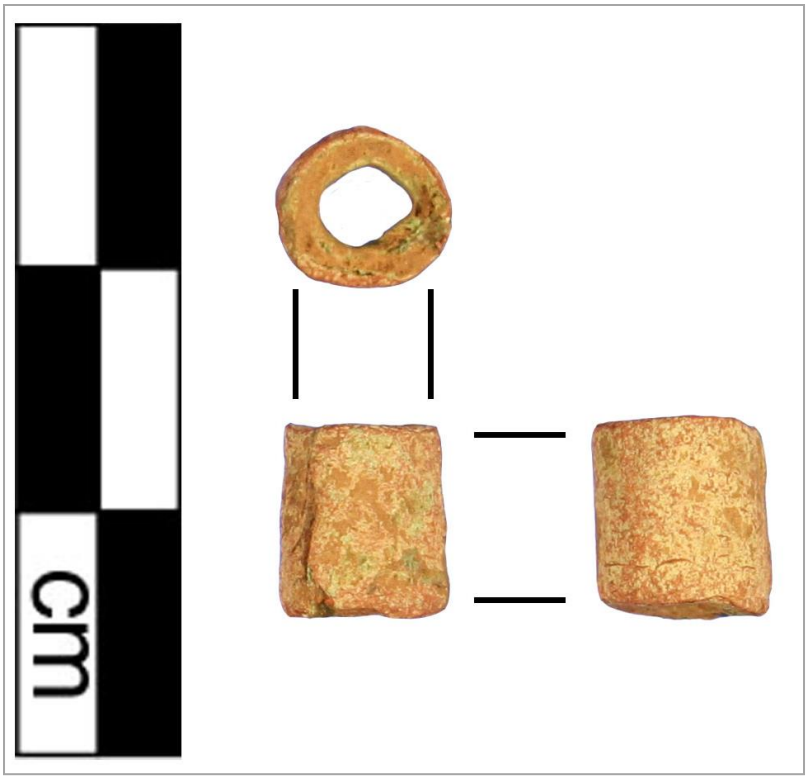
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Striations running transversely on bead's body, especially on rolled over side. Some striations/incisions running relatively perpendicular to seam edge on rolled under side. These striations and striations/incisions appear to be manufacturing marks that were efforts to smooth out the bead to create a uniform surface. Seam of rolled over edge smoothed against rest of bead body with some possible green/dark brown/reddish brown material placed between this edge and the rolled under side in order to disguise the seam.

Manufacturing Stage/Processes:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:



Artifact: B72-34

Recorder: JMP **Date:** 1/9/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 10.69mm
Seam: 9.37mm
Side Opposite Seam: 9.95mm

Width:
Maximum: 7.51mm
Top Orifice: 2.78mm
Bottom Orifice: 2.98mm

Thickness:
Rolled Over Side: 2.36mm
Side Opposite Seam: 1.37mm

Weight: 1.9g

Patina:

Type A: Present on 26-50% of object
Type B: Present on 26-50% of object
Type C: Not present
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Not present
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Bead has thick accretions on surface. Some Type A and Type B patina scattered throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Present
Description of Use-Wear Amount/Location: Rounded bead edges from use. Small striation/impression on interior of rolled under side at seam could be from string Mr. Bussey used to string together his finds. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured artifact
Cross-Section Shape: Circular
Possible Manufacturing Method: Indistinguishable or N/A
Possible Shaping Method: Cut from blank and rolled, smooth

Decorations Present: Not present
Decoration Description (if present):

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - organic material or impression of organic material on surface within accretions of rolled over side?

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-35

Recorder: JMP **Date:** 1/9/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 7.88mm
Seam: 7.07mm
Side Opposite Seam: 7.11mm

Width:
Maximum: 7.22mm
Top Orifice: 3.18mm
Bottom Orifice: 2.94mm

Thickness:
Rolled Over Side: 1.74mm
Side Opposite Seam: 1.66mm

Weight: 1.2g

Patina:

Type A: Present on 76-100% of object
Type B: Not present
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Not present
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and Type B patina cover entire bead's surface. Type D along incisions/striations.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Rounded edges of beads. Edges are layered from manufacturing. Striations/incisions run in center of bead longitudinally and are probably decorative. Seam of rolled over edge smoothed against rest of bead body with some possible black material placed between this edge and the rolled under side in order to disguise the seam.

Manufacturing Stage/Processes:

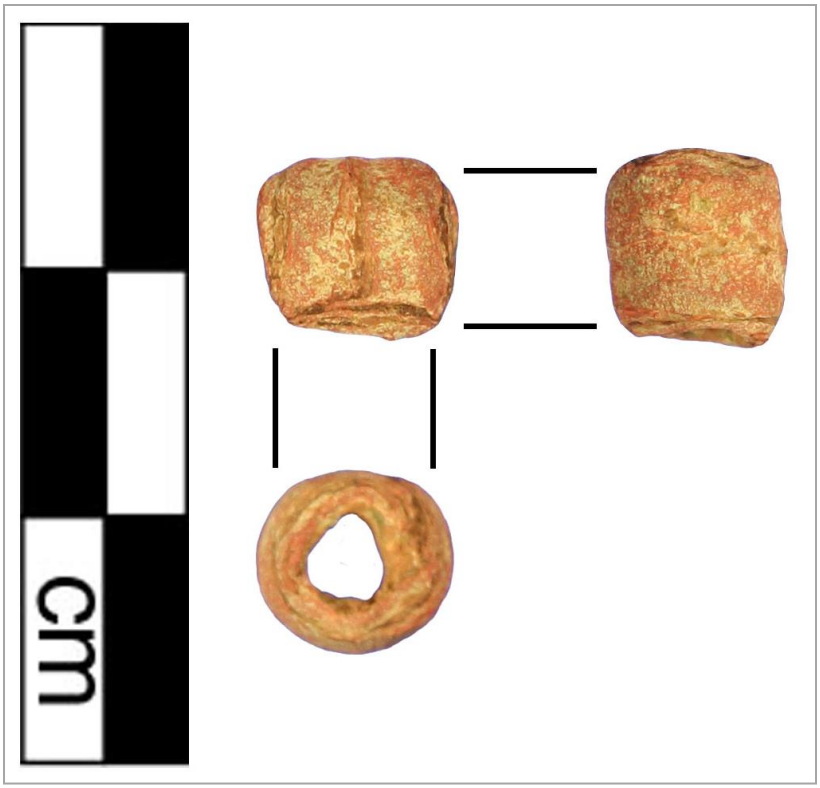
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth

Decorations Present: Present
Decoration Description (if present): Striations/incisions along longitudinal center of bead may be decorative.
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: Globular
Seam Alignment: Flush
General Comments:



Artifact: B72-36

Recorder: JMP **Date:** 1/9/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 10.58mm
Seam: 9.99mm
Side Opposite Seam: 9.79mm

Width:
Maximum: 7.04mm
Top Orifice: 5.1mm
Bottom Orifice: 4.87mm

Thickness:
Rolled Over Side: 0.38mm
Side Opposite Seam: 0.39mm

Weight: 0.9g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 1-25% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A covers most of bead's surface. Accretions cover most of side opposite of seam.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: A couple of sizeable striations running perpendicularly from lower bead edge of rolled over side, probably from use-wear or manufacture. Top half of rolled under side mushrooms out slightly, possibly from use or deposition. Two worn nicks on top bead edge of rolled under side and one on top bead edge of side opposite of seam. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:

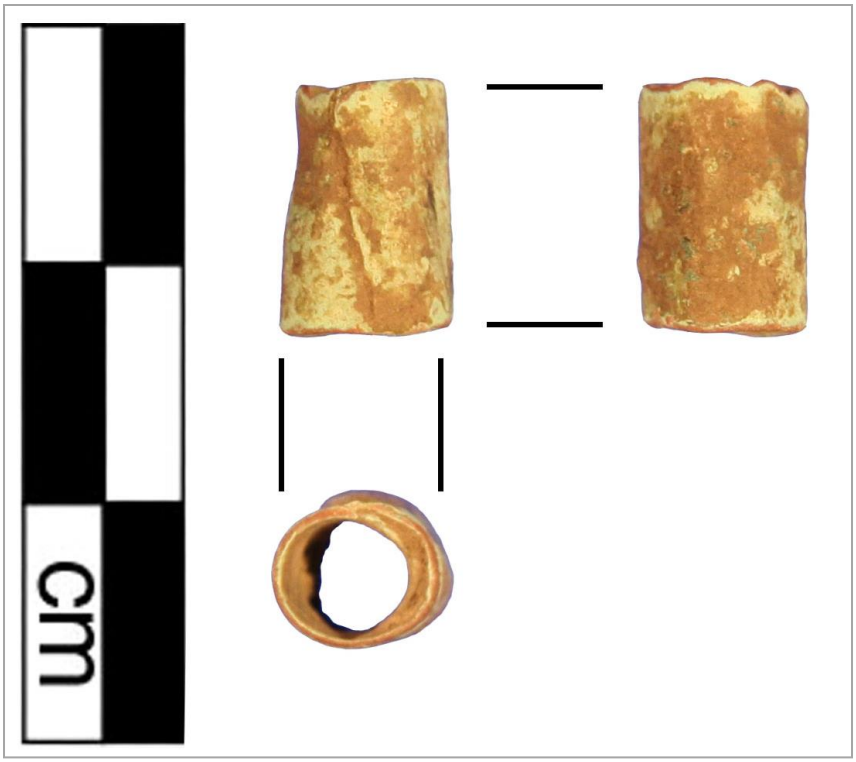
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Possibly cut from copper or brass kettle
Possible Shaping Method: Cut from blank and rolled, smooth

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:



Artifact: B72-37

Recorder: JMP **Date:** 1/9/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 10.65mm
Seam: 9.33mm
Side Opposite Seam: 10.16mm

Width:
Maximum: 7.46mm
Top Orifice: 2.04mm
Bottom Orifice: 2.29mm

Thickness:
Rolled Over Side: 1.55mm
Side Opposite Seam: 1.53mm

Weight: 2.4g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 76-100% of object
Type C: Not present
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and Type B patina cover entire bead's surface. Accretions on rolled under side.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Very smooth and has a lot of luster - smoothing from manufacture, but mostly use and post depositional wear? Some small striations across bead's surface that appear to be from deposition or curation. Possible cross-hatch shallow incisions on right and left side and side opposite of seam. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured artifact
Cross-Section Shape: Circular
Possible Manufacturing Method: Possibly cut from copper or brass kettle
Possible Shaping Method: Cut from blank and rolled, smooth

Decorations Present: Present
Decoration Description (if present): Cross-hatched shallow incisions across body of bead opposite of seam?

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - on interior?

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments: Possibly cross-hatched?

Artifact: B72-38

Recorder: JMP **Date:** 1/9/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 9.48mm
Seam: 8.88mm
Side Opposite Seam: 9.47mm

Width:
Maximum: 8.63mm
Top Orifice: 3.94mm
Bottom Orifice: 3.13mm

Thickness:
Rolled Over Side: 1.83mm
Side Opposite Seam: 2.02mm

Weight: 2.4g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 26-50% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 1-25% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A covers most of bead's surface. Accretions on left side of bead.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Very smooth and has some luster - smoothing from manufacture, but mostly use and post depositional wear? Cracks/striations/incisions running longitudinally throughout bead body, especially in center; decorative? Part of manufacture/use/deposition? Seam of rolled over edge smoothed against rest of bead body with some possible dark brown material placed between this edge and the rolled under side in order to disguise the seam.

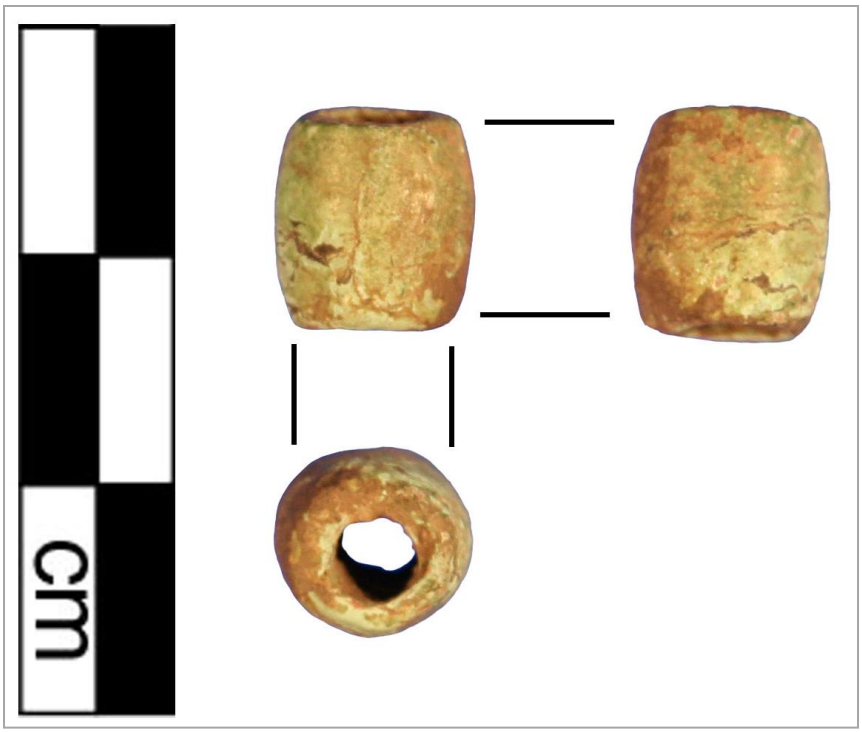
Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Indistinguishable or N/A
Possible Shaping Method: Cut from blank and rolled, smooth
Decorations Present: Present
Decoration Description (if present): Cracks/striations/incisions running longitudinally across bead, especially in center. Decorative? Manufacture or use/depositional wear?
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - on interior?

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: Globular
Seam Alignment: Flush
General Comments:



Artifact: B72-39

Recorder: JMP **Date:** 1/9/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 14.23mm
Seam: 13.46mm
Side Opposite Seam: 14.04mm

Width:
Maximum: 6.51mm
Top Orifice: 3.46mm
Bottom Orifice: 3.51mm

Thickness:
Rolled Over Side: 0.97mm
Side Opposite Seam: 1.01mm

Weight: 1.4g

Patina:

Type A: Present on 1-25% of object
Type B: Not present
Type C: Not present
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Not present
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions cover majority of bead surface. Type A along bead's edges.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Use-wear hard to decipher because of accretions on surface. Rounding on bead's edges. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-40

Recorder: JMP **Date:** 1/9/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 15.82mm
Seam: 12.93mm
Side Opposite Seam: 11.62mm

Width:
Maximum: 6.48mm
Top Orifice: 3.47mm
Bottom Orifice: 3.12mm

Thickness:
Rolled Over Side: 0.63mm
Side Opposite Seam: 0.57mm

Weight: 1g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 51-75% of object
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A mostly on side opposite seam, the rest of the bead mostly covered in accretions and Type D.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Not present

Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present

Loss:
Broken Piece: Not present
Nicks: Present

Retooling:
Resharpened: Not present
Repaired: Not present

Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Large nicks on bottom edge of rolled under side and side opposite of seam, and one on top edge. Seam of rolled over edge slightly smoothed against rest of bead body.

Manufacturing Stage/Processes:

Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-41

Recorder: JMP **Date:** 1/9/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 14.72mm
Seam: 12.1mm
Side Opposite Seam: 13.69mm

Width:
Maximum: 6.59mm
Top Orifice: 2.75mm
Bottom Orifice: 3.68mm

Thickness:
Rolled Over Side: 1.13mm
Side Opposite Seam: 0.84mm

Weight: 1.5g

Patina:
Type A: Present on 51-75% of object
Type B: Not present
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A mostly on body of bead. Type C mostly along edges. Type D mostly along recesses.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Nick on upper bead edge on side opposite of seam. A couple of deep striations and incisions on bead's body - one on each side of the seam running parallel to seam and a very deep incision on side opposite of seam running transversely along center on this side. Bead's edges are slightly worn from use.

Manufacturing Stage/Processes:
Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present

Decoration Description (if present): Deep incisions are decorations? The incision on the side opposite the seam definitely looks to be intentional.
Cross-Section Shape: Square

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - on interior?

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments: Also has more vibrant red patina, 10R 4/12.

Artifact: B72-42

Recorder: JMP **Date:** 1/9/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 11.54mm
Seam: 10.06mm
Side Opposite Seam: 10.75mm

Width:
Maximum: 5.65mm
Top Orifice: 2.65mm
Bottom Orifice: 2.92mm

Thickness:
Rolled Over Side: 1.15mm
Side Opposite Seam: 0.79mm

Weight: 1g

Patina:

Type A: Present on 1-25% of object
Type B: Not present
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 1-25% of object
Pitting: Not present
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C covers most of bead with some Type A scattered throughout on body and some on interior.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Rounding on bead's edges. Shallow striations running transversely on bead's body, especially on side opposite of seam; manufacturing marks? Seam of rolled over edge smoothed against rest of bead body with some possible black material placed between this edge and the rolled under side in order to disguise the seam.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-43

Recorder: JMP **Date:** 1/9/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 12.93mm
Seam: 10.15mm
Side Opposite Seam: 12.67mm

Width:
Maximum: 6.19mm
Top Orifice: 4.39mm
Bottom Orifice: 3.01mm

Thickness:
Rolled Over Side: 0.56mm
Side Opposite Seam: 0.47mm

Weight: 0.7g

Patina:

Type A: Present on 1-25% of object
Type B: Not present
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C covers most of left side as well as side opposite of seam. Rolled over side and right side mostly covered with a layer of accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Small nicks on upper and lower bead edge of rolled under side. Upper right side and lower left side are slightly bent inward.

Manufacturing Stage/Processes:

Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Polygonal

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-44

Recorder: JMP **Date:** 1/9/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 10.72mm
Seam: 9.95mm
Side Opposite Seam: 9.35mm

Width:
Maximum: 6.16mm
Top Orifice: 3.11mm
Bottom Orifice: 3.28mm

Thickness:
Rolled Over Side: 0.63mm
Side Opposite Seam: 0.88mm

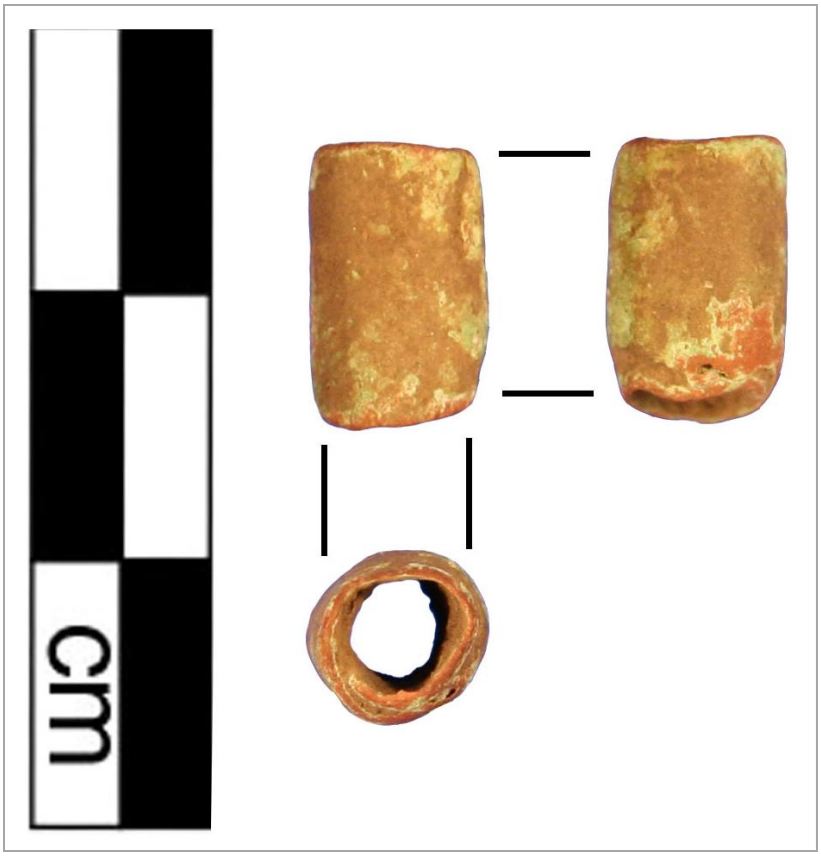
Weight: 1.2g

Patina:

Type A: Present on 26-50% of object
Type B: Not present
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A mostly along edges and rolled over side. Type C mostly along edges. Accretions on all areas except rolled over side.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Shallow striations and one deep incision running perpendicular from bead's upper edge throughout bead, but especially on rolled over side where deeper incision is located. Bead's edges are worn from use and worn nick on center of bottom edge of rolled under side. Seam of rolled over edge smoothed against rest of bead body.



Manufacturing Stage/Processes:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 271-260 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-45

Recorder: JMP **Date:** 1/9/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 13.4mm
Seam: 11.21mm
Side Opposite Seam: 12.88mm

Width:
Maximum: 5.57mm
Top Orifice: 3.71mm
Bottom Orifice: 4.05mm

Thickness:
Rolled Over Side: 0.62mm
Side Opposite Seam: 0.68mm

Weight: 0.8g

Patina:
Type A: Present on 51-75% of object
Type B: Not present
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C and accretion throughout. Edges mostly have Type C.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Bead's edges worn. Worn down nicks on center of both the top and bottom edges of the rolled under side. Seam of rolled over edge smoothed against rest of bead body with some possible brown material placed between this edge and the rolled under side in order to disguise the seam.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-46

Recorder: JMP **Date:** 1/9/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 13.01mm
Seam: 12.25mm
Side Opposite Seam: 12.84mm

Width:
Maximum: 4.93mm
Top Orifice: 3.06mm
Bottom Orifice: 2.87mm

Thickness:
Rolled Over Side: 0.62mm
Side Opposite Seam: 0.53mm

Weight: 0.4g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Not present
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A throughout, especially on edges and rolled over side. Accretions also present throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Large nick on bottom bead edge in center. Another nick on top edge of right side. Bead's edges show slight wear.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments: Appears that the rolled over seam edge is pinched.

Artifact: B72-47

Recorder: JMP **Date:** 1/9/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 16.36mm
Seam: 15.79mm
Side Opposite Seam: 15.88mm

Width:
Maximum: 4.98mm
Top Orifice: 3.41mm
Bottom Orifice: 3.14mm

Thickness:
Rolled Over Side: 0.45mm
Side Opposite Seam: 0.38mm

Weight: 0.7g

Patina:

Type A: Present on 26-50% of object
Type B: Not present
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 1-25% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout. Type D mostly on lower portion of rolled under side and left side, as well as along recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Very large nick on upper half of rolled under side. Bead's edges are worn. Striations stemming from rolled over seam edge and running longitudinally along upper half of bead, probably manufacture marks and not decoration/wear? Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth

Decorations Present: Present
Decoration Description (if present): Striations possibly decoration?
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments: Almost tubular

Artifact: B72-48

Recorder: JMP **Date:** 1/11/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 14.05mm
Seam: 13.3mm
Side Opposite Seam: 13.19mm

Width:
Maximum: 5.24mm
Top Orifice: 2.84mm
Bottom Orifice: 3.51mm

Thickness:
Rolled Over Side: 0.52mm
Side Opposite Seam: 0.59mm

Weight: 1g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 1-25% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and C throughout, as well as pitting. Type D along recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Striations running longitudinally on bead's body. Incisions also running longitudinally along bead's center starting on right side and extending all the way to rolled under side where it is covered by the rolled over side; probably a decorative feature. Wear on bead's edges, especially on lower edge of rolled under side where there appears to be a worn nick from use. Seam of rolled over edge smoothed against rest of bead body with some possible green and brown material placed between this edge and the rolled under side in order to disguise the seam.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth

Decorations Present: Present
Decoration Description (if present): Incisions starting on right side and running longitudinally to rolled under side where it is covered by rolled over side.
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 271-260 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-49

Recorder: JMP **Date:** 1/11/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 11.69mm
Seam: 11.62mm
Side Opposite Seam: 8.82mm

Width:
Maximum: 6.78mm
Top Orifice: 4.41mm
Bottom Orifice: 5.04mm

Thickness:
Rolled Over Side: 0.32mm
Side Opposite Seam: 0.46mm

Weight: 0.7g

Patina:

Type A: Present on 51-75% of object
Type B: Not present
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 1-25% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and C throughout, as well as pitting. Type D on side opposite of seam.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Crack along the full transverse length of the bead on the side opposite the seam. A nick on the top edge of the rolled under side and one on the bottom edge of the side opposite the seam. Slight bend inward on the top edge of the rolled over side.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Flared
Amount of Overlap of Seam Sides: 271-260 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-50

Recorder: JMP **Date:** 1/11/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 15.54mm
Seam: 12.89mm
Side Opposite Seam: 12.73mm

Width:
Maximum: 6.52mm
Top Orifice: 2.46mm
Bottom Orifice: 5.85mm

Thickness:
Rolled Over Side: 0.43mm
Side Opposite Seam: 0.35mm

Weight: 0.7g

Patina:

Type A: Present on 26-50% of object
Type B: Present on 26-50% of object
Type C: Not present
Type D: Not present
Type E: Not present
Accretions: Present on 1-25% of object
Pitting: Not present
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and B throughout with some thicker polish.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Present

Description of Use-Wear Amount/Location: Bead bent inward at various spots along body and on upper bead edge of the rolled over side and the lower half of the side opposite of seam. An incision runs from the upper seam edge of the rolled over side down to the lower portion of the right side, continues across a bent break to extend across the side opposite the seam, and extends to the lower seam edge of the rolled under side; decorative? Polish on the higher areas of the bead's crushed surface. Crack running transversely on side opposite of seam. Rope that Bussey used to string together beads was stuck inside of this one and needed some force to remove. Could have caused wear on interior.

Manufacturing Stage/Processes:

Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present
Decoration Description (if present): Incision running throughout bead is decorative?

Cross-Section Shape: Polygonal

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - in interior?

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Indeterminate
Special Shape: Other
Seam Alignment: Askew
General Comments: This bead almost looks like it was made of two pieces. It is so deformed that it is difficult to decipher how it was manufactured. May possibly not even be a bead, but a highly damaged object. Shape could be a Z or W shape where inside is in between to pinched rolled sides?

Artifact: B72-51

Recorder: JMP **Date:** 1/11/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 20.21mm
Seam: 18.98mm
Side Opposite Seam: 14.94mm

Width:
Maximum: 7.54mm
Top Orifice: 2.65mm
Bottom Orifice: 4.47mm

Thickness:
Rolled Over Side: 1.06mm
Side Opposite Seam: 1.14mm

Weight: 1.4g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 1-25% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and C throughout. Type D on the lower layer of where the upper layer is missing on the rolled over side.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Two cracked layers splayed out: one on bottom bead edge of rolled over side and one on top bead edge of side opposite of seam. Layers of bead's surface are starting to exfoliate. Nicks/losses from wear on the majority of the upper bead edge of the side opposite the seam, as well as the bottom bead edge of the left side.

Manufacturing Stage/Processes:

Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - in interior?

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Pinched
Special Shape: No special shape
Seam Alignment: Askew
General Comments: Very fragile.

Artifact: B72-52

Recorder: JMP **Date:** 1/11/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 16.87mm
Seam: 13.4mm
Side Opposite Seam: 14.21mm

Width:
Maximum: 6.57mm
Top Orifice: 4.31mm
Bottom Orifice: 3.76mm

Thickness:
Rolled Over Side: 0.47mm
Side Opposite Seam: 0.5mm

Weight: 0.7g

Patina:

Type A: Present on 76-100% of object
Type B: Not present
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 1-25% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A throughout, especially on rolled over side. Spots of Type C on rolled under side and around seam edge. Type D along recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Nicks from use on top bead edge on left and right sides, as well as on most of bottom bead edge except for right side which is flared outward. Striation starts on right side in lengthwise center of bead. At lengthwise center of bead on the side opposite the seam are two deeper incisions, which are possibly decorations. All edges and parts of body are layered/flakey, probably signs of manufacture.

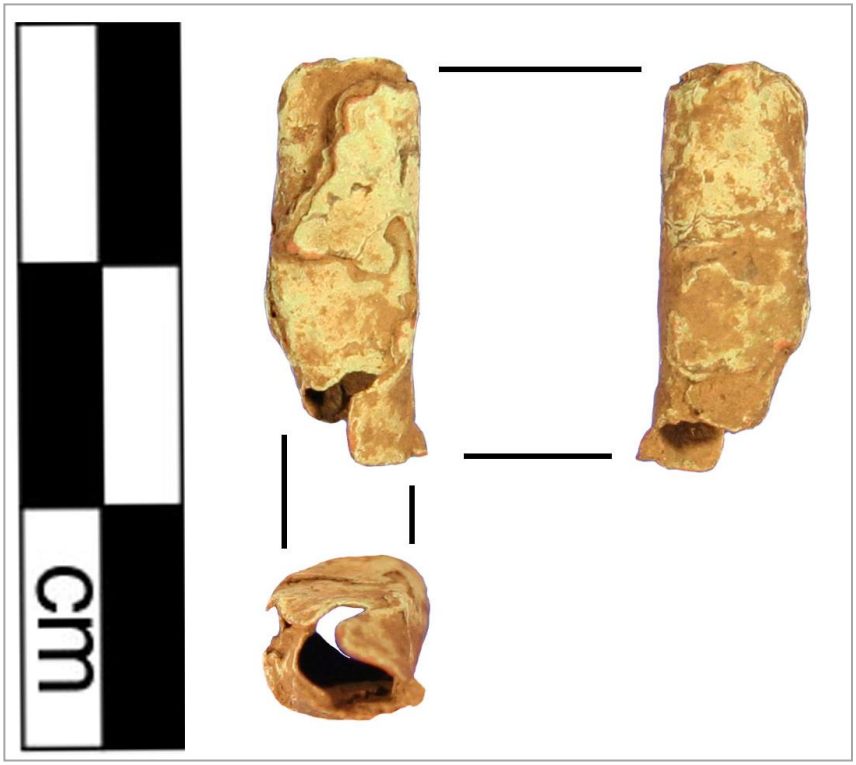
Manufacturing Stage/Processes:

Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Present
Decoration Description (if present): Incisions on side opposite of seam?
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Pinched
Special Shape: No special shape
Seam Alignment: Askew
General Comments:



Artifact: B72-53

Recorder: JMP **Date:** 1/11/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 12.99mm
Seam: 11.74mm
Side Opposite Seam: 11.43mm

Width:
Maximum: 6.36mm
Top Orifice: 3.55mm
Bottom Orifice: 3.53mm

Thickness:
Rolled Over Side: 0.47mm
Side Opposite Seam: 2mm

Weight: 0.8g

Patina:

Type A: Present on 1-25% of object
Type B: Not present
Type C: Present on 1-25% of object
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and D along bends and edges. Thin layers of accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Light smoothed wear on bead edges. Nick on lower bead edge of side opposite of seam. Numerous cracks on left side of bead and side opposite of seam that transverse the bead.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - caught between layers of bead's upper edge?

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 360+ degrees
Rolled Under Seam Edge: Pinched
Special Shape: No special shape
Seam Alignment: Flush
General Comments: Blank rolled numerous times to get bead shape. Thickness of side across from seam is the full thickness of all of these rolled layers.

Artifact: B72-54

Recorder: JMP **Date:** 1/11/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 9.11mm
Seam: 8.26mm
Side Opposite Seam: 9.03mm

Width:
Maximum: 6.17mm
Top Orifice: 1.58mm
Bottom Orifice: 3.14mm

Thickness:
Rolled Over Side: 0.94mm
Side Opposite Seam: 1.01mm

Weight: 0.7g

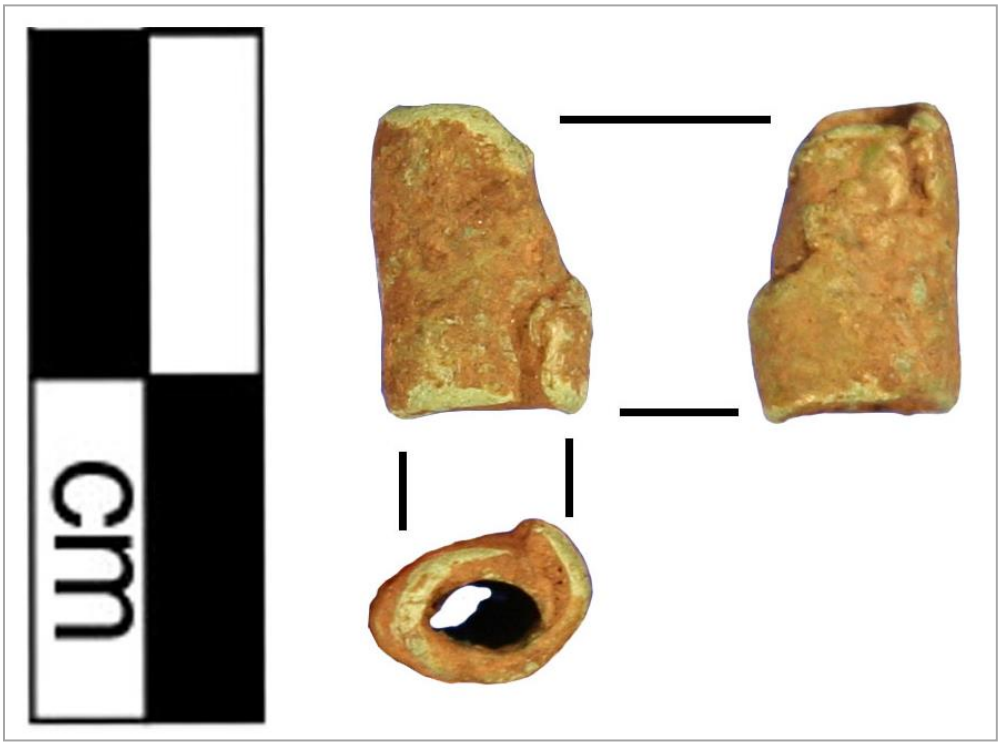
Patina:
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Not present
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A along edges and accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Sizeable cracks along upper bead edges: one on rolled over side and two on rolled under side. Smoothed top and bottom bead edges. Nick on upper edge of left side.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Indistinguishable or N/A
Possible Shaping Method: Folded
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:



Artifact: B72-55

Recorder: JMP **Date:** 1/11/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 14.58mm
Seam: 13.66mm
Side Opposite Seam: 14.36mm

Width:
Maximum: 5.13mm
Top Orifice: 1.99mm
Bottom Orifice: 2.7mm

Thickness:
Rolled Over Side: 0.65mm
Side Opposite Seam: 0.52mm

Weight: 1g

Patina:

Type A: Present on 76-100% of object
Type B: Not present
Type C: Present on 26-50% of object
Type D: Not present
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Not present
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A throughout with Type C on bends and ends, except for side opposite of seam where Type C is most prevalent.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Not present

Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present

Loss:
Broken Piece: Not present
Nicks: Present

Retooling:
Resharpened: Not present
Repaired: Not present

Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Striations traversing bead on side opposite seam and along seam edge on rolled under side. Bead's edges are worn. Upper bead edge of left side is slightly bent inward and a small nick is worn into the edge. Two nicks worn into bottom bead edge: on rolled under side and on side opposite of seam. Seam of rolled over edge smoothed against rest of bead body with some possible green and brown material placed between this edge and the rolled under side in order to disguise the seam.

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Indistinguishable or N/A
Possible Shaping Method: Cut from blank and rolled, smooth
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-56

Recorder: JMP **Date:** 1/11/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 12.69mm
Seam: 11.53mm
Side Opposite Seam: 11.13mm

Width:
Maximum: 5.53mm
Top Orifice: 3.16mm
Bottom Orifice: 3.48mm

Thickness:
Rolled Over Side: 0.62mm
Side Opposite Seam: 0.73mm

Weight: 0.7g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions/pitting present throughout bead with Type C patina. Right and left sides have mostly Type D.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Damage to surface of bead would obscure most use-wear; original surface may have had striations/incisions. Nicks worn into top bead edge of right side and a small nick on lower bead edge of rolled under side. Tiny nicks/slight wear along edges. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-57

Recorder: JMP **Date:** 1/11/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 14.01mm
Seam: 12.02mm
Side Opposite Seam: 13.79mm

Width:
Maximum: 5.23mm
Top Orifice: 3.11mm
Bottom Orifice: 3.03mm

Thickness:
Rolled Over Side: 0.68mm
Side Opposite Seam: 0.72mm

Weight: 0.9g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout. Type A along edges and bends and side opposite of seam.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Smoothing along bead's edges. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-58

Recorder: JMP **Date:** 1/11/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 13.67mm
Seam: 11.79mm
Side Opposite Seam: 13.21mm

Width:
Maximum: 6.02mm
Top Orifice: 3.42mm
Bottom Orifice: 3.47mm

Thickness:
Rolled Over Side: 0.67mm
Side Opposite Seam: 0.48mm

Weight: 1.1g

Patina:

Type A: Present on 26-50% of object
Type B: Present on 26-50% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C along bead's edges and on left side extending slightly onto side opposite seam. Accretions most of rolled over side, right side, and side opposite of seam.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Smoothing along bead's edges. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-59

Recorder: JMP **Date:** 1/11/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 13.42mm
Seam: 11.75mm
Side Opposite Seam: 13.32mm

Width:
Maximum: 6.58mm
Top Orifice: 3.79mm
Bottom Orifice: 3.6mm

Thickness:
Rolled Over Side: 1.09mm
Side Opposite Seam: 0.69mm

Weight: 1g

Patina:

Type A: Present on 76-100% of object
Type B: Not present
Type C: Present on 51-75% of object
Type D: Not present
Type E: Present on 1-25% of object
Accretions: Present on 51-75% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout, except on side opposite of seam where accretions cover most of side and Type A is along the bead edges. Some Type E along seam edge on rolled under side.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Striations running longitudinally throughout rolled under side extending to side opposite of seam. Seam smoothed probably during manufacture. Bead's edges are smoothed from use. Seam of rolled over edge smoothed against rest of bead body with some possible black and light green material placed between this edge and the rolled under side in order to disguise the seam.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Indeterminate
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-60

Recorder: JMP **Date:** 1/11/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 16.3mm
Seam: 14.32mm
Side Opposite Seam: 15.98mm

Width:
Maximum: 7.47mm
Top Orifice: 5.55mm
Bottom Orifice: 6.62mm

Thickness:
Rolled Over Side: 0.52mm
Side Opposite Seam: 0.4mm

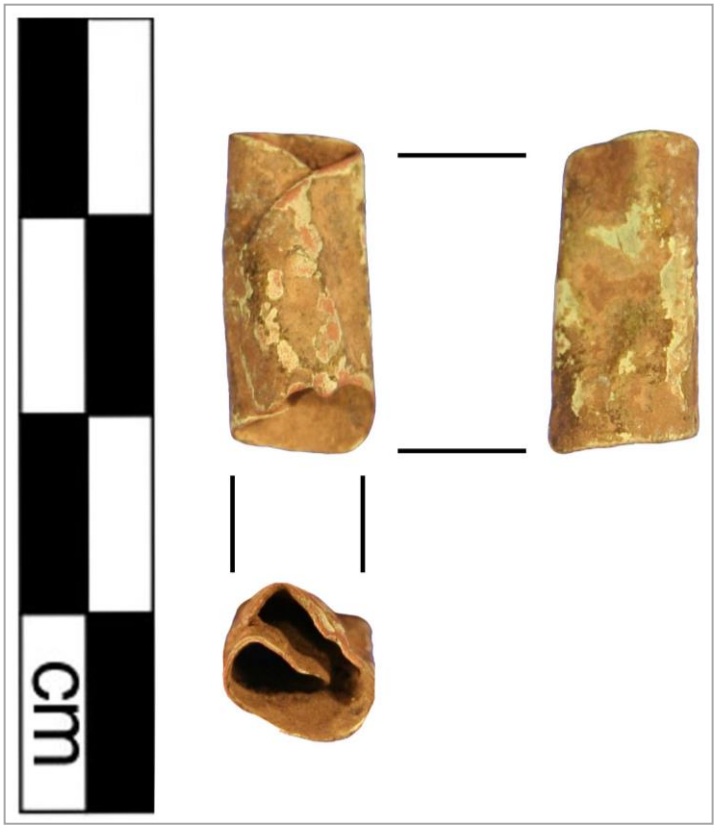
Weight: 0.8g

Patina:

Type A: Present on 26-50% of object
Type B: Not present
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Not present
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A mostly on rolled over side and along edges and bends. Accretions throughout, especially on side opposite of seam. Some Type C mixed with the Type A on rolled over side.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Bead is deformed, possibly from use or is post deposition damage. Possible decorative etchings on side opposite of seam. Some striations throughout, especially on lower portion of rolled over side seam, which look like possible manufacturing marks from bending the blank or smoothing out the seam. Bead's edges are smoothed from use and two nicks are worn into lower bead edge of rolled over side.



Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Possibly cut from copper or brass kettle
Possible Shaping Method: Folded

Decorations Present: Present
Decoration Description (if present): Striations on side opposite of seam possibly decoration?
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Pinched
Special Shape: No special shape
Seam Alignment: Askew
General Comments: Maybe brass? Etchings on side opposite seam? More cross-hatches?

Artifact: B72-61

Recorder: JMP **Date:** 1/11/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 38.42mm
Seam: 33.25mm
Side Opposite Seam: 33.05mm

Width:
Maximum: 6.66mm
Top Orifice: 3.97mm
Bottom Orifice: 5mm

Thickness:
Rolled Over Side: 0.42mm
Side Opposite Seam: 0.34mm

Weight: 1.4g

Patina:

Type A: Present on 76-100% of object
Type B: Not present
Type C: Present on 1-25% of object
Type D: Not present
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Not present
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A throughout bead with some specks of Type C. Type C prevalent on rolled over side.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Cracks and slight bends inward along bead's edges. Worn nicks throughout top and bottom bead edges. Striations/incisions running longitudinally throughout bead - possible manufacture marks to help facilitate bending of blank?

Manufacturing Stage/Processes:

Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Pinched
Special Shape: Tubular
Seam Alignment: Askew
General Comments: Evidence of manufacturing method - striations running longitudinally on entire bead - to help with bending?

Artifact: B72-62

Recorder: JMP **Date:** 1/11/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 21.4mm
Seam: 21.4mm
Side Opposite Seam: 17.22mm

Width:
Maximum: 7.35mm
Top Orifice: 5.53mm
Bottom Orifice: 4.14mm

Thickness:
Rolled Over Side: 0.6mm
Side Opposite Seam: 0.68mm

Weight: 1.5g

Patina:

Type A: Present on 76-100% of object
Type B: Not present
Type C: Present on 51-75% of object
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A throughout bead with some specks of Type C. Accretions scattered throughout and cover most of rolled over side.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Small bend running along seam edge on rolled over side. Slight smoothing along bead's edges. Corners of rolled over side are slightly flared outward.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Possibly cut from copper or brass kettle
Possible Shaping Method: Folded
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Pinched
Special Shape: No special shape
Seam Alignment: Askew
General Comments: Brass?

Artifact: B72-63

Recorder: JMP **Date:** 1/11/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 32.31mm
Seam: 28.2mm
Side Opposite Seam: 31.42mm

Width:
Maximum: 6.14mm
Top Orifice: 2.93mm
Bottom Orifice: 3.92mm

Thickness:
Rolled Over Side: 0.47mm
Side Opposite Seam: 0.4mm

Weight: 1.3g

Patina:

Type A: Present on 1-25% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout. Type A along edges and bends and side opposite of seam.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: A few cracks on each bead edge. Cracked and bent in section of bead edge on both the top edge of the left side and the bottom edge of the side opposite the seam. Ends of bead are both slightly bent inward and edges are slightly worn with a few worn nicks on each edge. Seam of rolled over edge smoothed at center against rest of bead body.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - in interior?

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Indeterminate
General Comments: Brass?
Special Shape: Tubular
Seam Alignment: Flush

Artifact: B72-64

Recorder: JMP **Date:** 1/11/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 22.64mm
Seam: 20.24mm
Side Opposite Seam: 20.43mm

Width:
Maximum: 7.37mm
Top Orifice: 4.42mm
Bottom Orifice: 5.12mm

Thickness:
Rolled Over Side: 0.47mm
Side Opposite Seam: 0.67mm

Weight: 2.2g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout, with Type A being more prevalent on side opposite of seam and Type C most prevalent on right side. Accretions also throughout, especially on rolled under side and side opposite of seam.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Striations/incisions stemming from seam on rolled under edge, possibly manufacturing marks from trying to smooth out seam? Bead's ends are slightly bent inward. Some wear on both of bead's edges with worn nicks on both edges. Seam of rolled over edge slightly smoothed against rest of bead body.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - in interior?

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-65

Recorder: JMP **Date:** 1/11/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 14.34mm
Seam: 12.59mm
Side Opposite Seam: 13.35mm

Width:
Maximum: 8.33mm
Top Orifice: 6.07mm
Bottom Orifice: 6.1mm

Thickness:
Rolled Over Side: 0.32mm
Side Opposite Seam: 0.35mm

Weight: 0.9g

Patina:

Type A: Present on 51-75% of object
Type B: Not present
Type C: Present on 1-25% of object
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Striations/incisions stemming from upper bead edge of the rolled over side. Smoothing and nicks along bead edges, especially on side opposite of seam Crack along bend of bottom right side.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Possibly cut from copper or brass kettle
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Polygonal

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-66

Recorder: JMP **Date:** 1/11/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 11.05mm
Seam: 8.62mm
Side Opposite Seam: 10.74mm

Width:
Maximum: 9.31mm
Top Orifice: 6.74mm
Bottom Orifice: 5.35mm

Thickness:
Rolled Over Side: 0.94mm
Side Opposite Seam: 1.14mm

Weight: 1.9g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout with Type C along edges and bends.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Crack running from lower bead edge of right side around to center of rolled under side where it is covered by rolled over side. Bead's edges are smoothed from use.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present

Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - fiber caught on lower edge of rolled over side (contemporary?)

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 271-260 degrees
Rolled Under Seam Edge: Pinched
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-67

Recorder: JMP **Date:** 1/11/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 13.75mm
Seam: 12.31mm
Side Opposite Seam: 11.16mm

Width:
Maximum: 7.07mm
Top Orifice: 2.88mm
Bottom Orifice: 4.03mm

Thickness:
Rolled Over Side: 1.69mm
Side Opposite Seam: 1.43mm

Weight: 1.8g

Patina:

Type A: Present on 76-100% of object
Type B: Not present
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C with some Type A throughout along with accretions and pitting.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Possible incision running along seam edge of upper half of rolled under side. Smoothed bead's edges from use. Some striations running transversely on right side from upper edge. Worn nick on upper bead edge of right side. Seam of rolled over edge smoothed against rest of bead body with some possible black material placed between this edge and the rolled under side in order to disguise the seam.

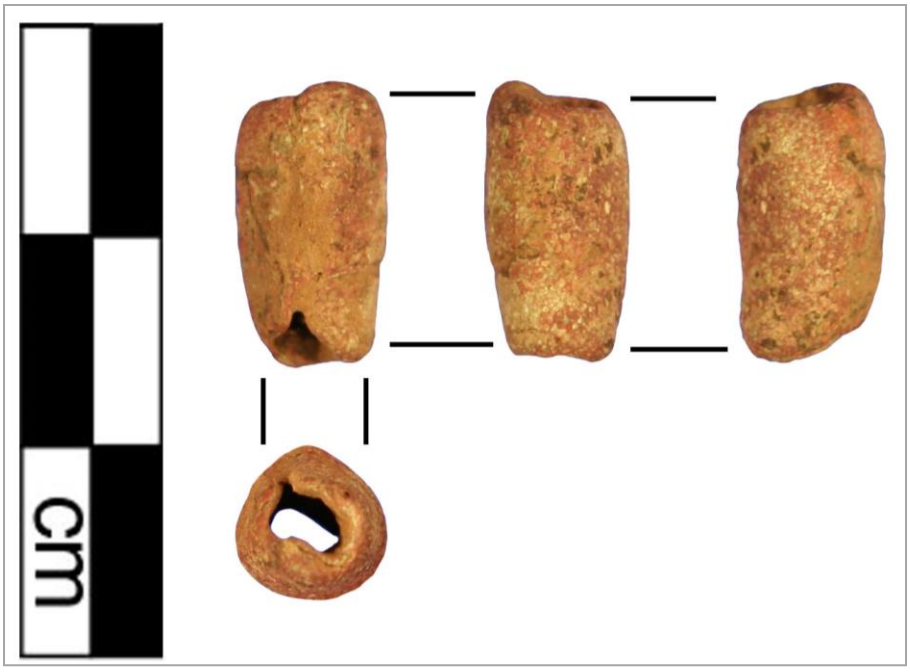
Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y = Yes; M = Maybe; N = No):
N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:



Artifact: B72-68

Recorder: JMP **Date:** 1/11/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 16.79mm
Seam: 15.77mm
Side Opposite Seam: 14.85mm

Width:
Maximum: 5.7mm
Top Orifice: 3.35mm
Bottom Orifice: 3.87mm

Thickness:
Rolled Over Side: 0.43mm
Side Opposite Seam: 0.54mm

Weight: 1.3g

Patina:

Type A: Present on 26-50% of object
Type B: Not present
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and some Type C along bends and edges, as well as left side. Accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Smoothing of bead's edges from use. Striations running transversely across entire bead on rolled under side and extending to side opposite of bead.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-69

Recorder: JMP **Date:** 1/11/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 10.42mm
Seam: 9.02mm
Side Opposite Seam: 10.13mm

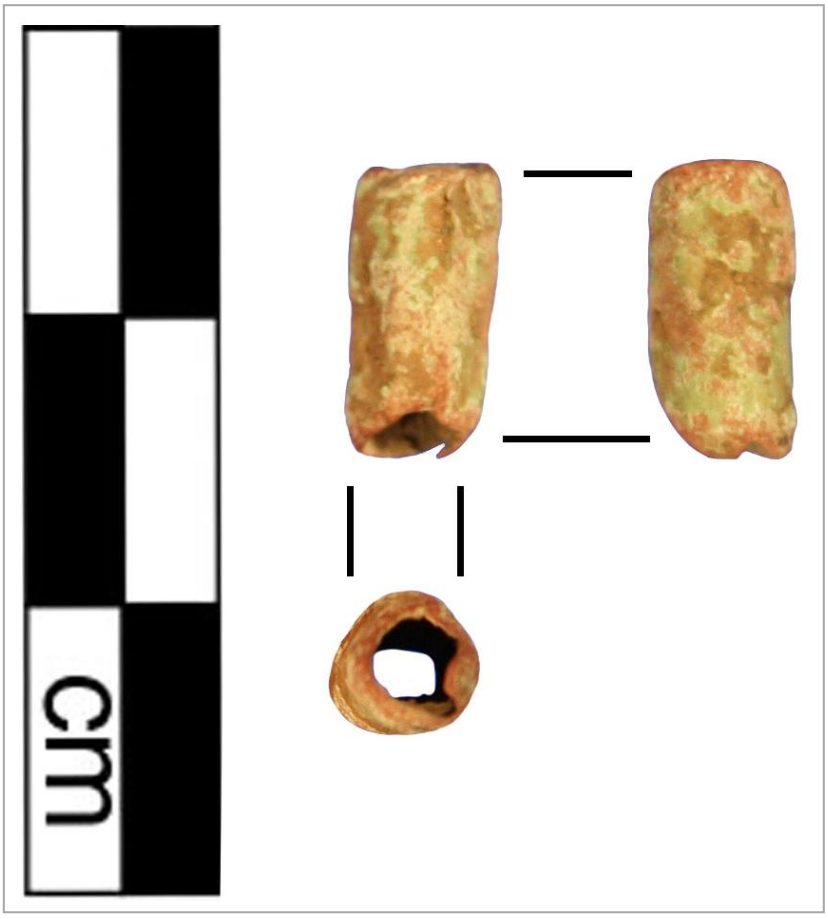
Width:
Maximum: 5.21mm
Top Orifice: 2.96mm
Bottom Orifice: 2.53mm

Thickness:
Rolled Over Side: 0.94mm
Side Opposite Seam: 0.8mm

Weight: 0.6g

Patina:
Type A: Present on 76-100% of object
Type B: Not present
Type C: Present on 1-25% of object
Type D: Not present
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A throughout and Type C along bead's edges.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Irregular seam edges and rolled under side. Smoothed bead's edges. Two worn nicks on bottom edge of bead: one on right side and one on side opposite of seam. Seam of rolled over edge smoothed against rest of bead body.



Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-70

Recorder: JMP **Date:** 1/11/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 5.69mm
Seam: 3.85mm
Side Opposite Seam: 5.5mm

Width:
Maximum: 4.28mm
Top Orifice: 1.99mm
Bottom Orifice: 1.91mm

Thickness:
Rolled Over Side: 0.64mm
Side Opposite Seam: 1.05mm

Weight: 0.2g

Patina:

Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Present on 1-25% of object
Accretions: Present on 1-25% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C throughout with areas of Type A. Type D follows striations and recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: A couple of possible incisions stemming from edge on bottom half of rolled under side. Smoothed bead edges from use. Seam of rolled over edge smoothed against rest of bead body with some possible black material placed between this edge and the rolled under side in order to disguise the seam.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - in interior?

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-71

Recorder: JMP **Date:** 1/11/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 5.95mm
Seam: 5.21mm
Side Opposite Seam: 5.78mm

Width:
Maximum: 5.07mm
Top Orifice: 2.56mm
Bottom Orifice: 3.09mm

Thickness:
Rolled Over Side: 0.54mm
Side Opposite Seam: 0.51mm

Weight: 0.3g

Patina:

Type A: Present on 1-25% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Not present
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout except for rolled under side, which has Type C. Type A along edges of bead and accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Smoothing along bead's edges. Worn nick in lower bead edge of rolled under side and right side. Bottom edge of rolled over side and right side are bent inwards. Seam of rolled over edge smoothed against rest of bead body with some possible brown material placed between this edge and the rolled under side in order to disguise the seam.

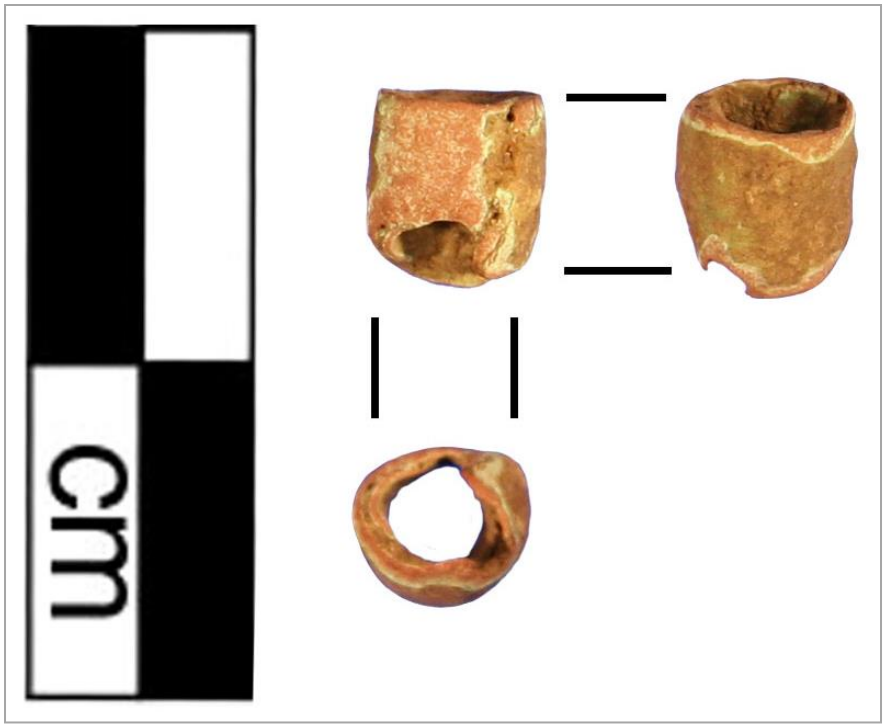
Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured artifact **Cross-Section Shape:** Circular

Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth

Decorations Present: Not present
Decoration Description (if present):

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N



Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 271-260 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-72

Recorder: JMP **Date:** 1/11/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 11.33mm
Seam: 11.32mm
Side Opposite Seam: 11.06mm

Width:
Maximum: 4.65mm
Top Orifice: 2.46mm
Bottom Orifice: 2.32mm

Thickness:
Rolled Over Side: 1.1mm
Side Opposite Seam: 0.94mm

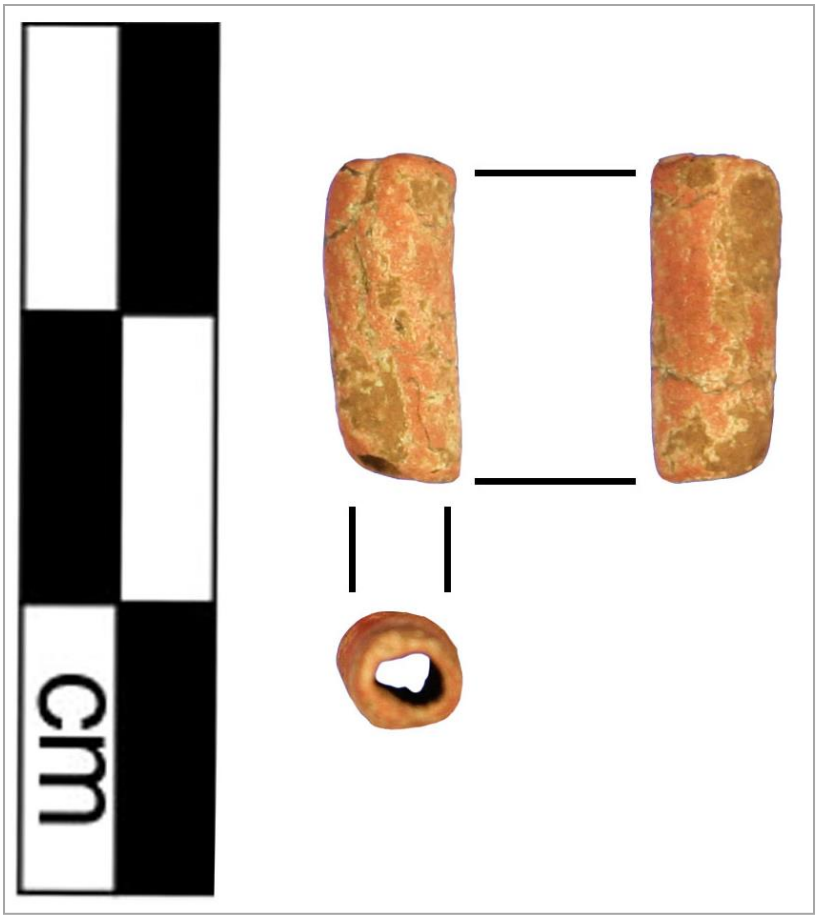
Weight: 0.6g

Patina:

Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C throughout with areas of Type A. Type D follows striations and recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Smoothing on bead's edges. Worn nick on bottom edge of rolled under side. Seam of rolled over edge smoothed against rest of bead body with some possible black material placed between this edge and the rolled under side in order to disguise the seam.



Manufacturing Stage/Processes:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-73

Recorder: JMP **Date:** 1/11/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 6.02mm
Seam: 5.47mm
Side Opposite Seam: 5.11mm

Width:
Maximum: 4.63mm
Top Orifice: 2.86mm
Bottom Orifice: 2.48mm

Thickness:
Rolled Over Side: 0.7mm
Side Opposite Seam: 0.66mm

Weight: 0.3g

Patina:

Type A: Present on 1-25% of object
Type B: Not present
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C and accretions throughout. Type A mostly on rolled over and right sides.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Two incisions following seam: one along seam on rolled under side and one a millimeter away from the seam sprouting from bottom edge of bead. Bead's edges are smoothed from use. Seam of rolled over edge smoothed against rest of bead body with some possible black material placed between this edge and the rolled under side in order to disguise the seam.

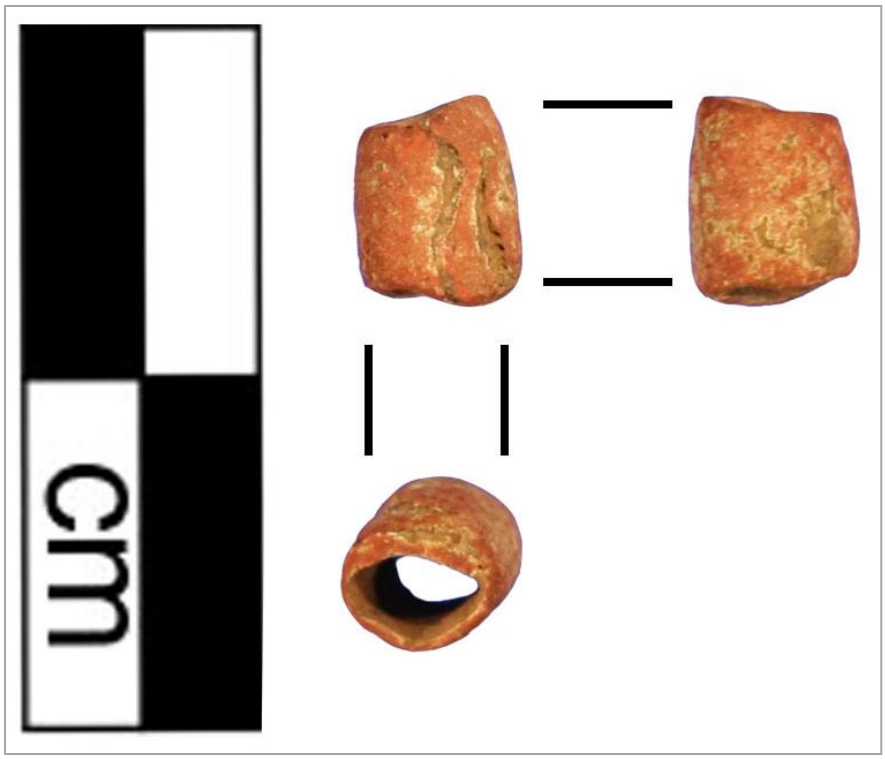
Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured artifact **Cross-Section Shape:** Circular

Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth

Decorations Present: Not present
Decoration Description (if present):

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - in interior?



Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: Globular
Seam Alignment: Flush
General Comments:

Artifact: B72-74

Recorder: JMP **Date:** 1/11/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 8.02mm
Seam: 7.56mm
Side Opposite Seam: 7.02mm

Width:
Maximum: 3.17mm
Top Orifice: 1.91mm
Bottom Orifice: 2.49mm

Thickness:
Rolled Over Side: 0.31mm
Side Opposite Seam: 0.47mm

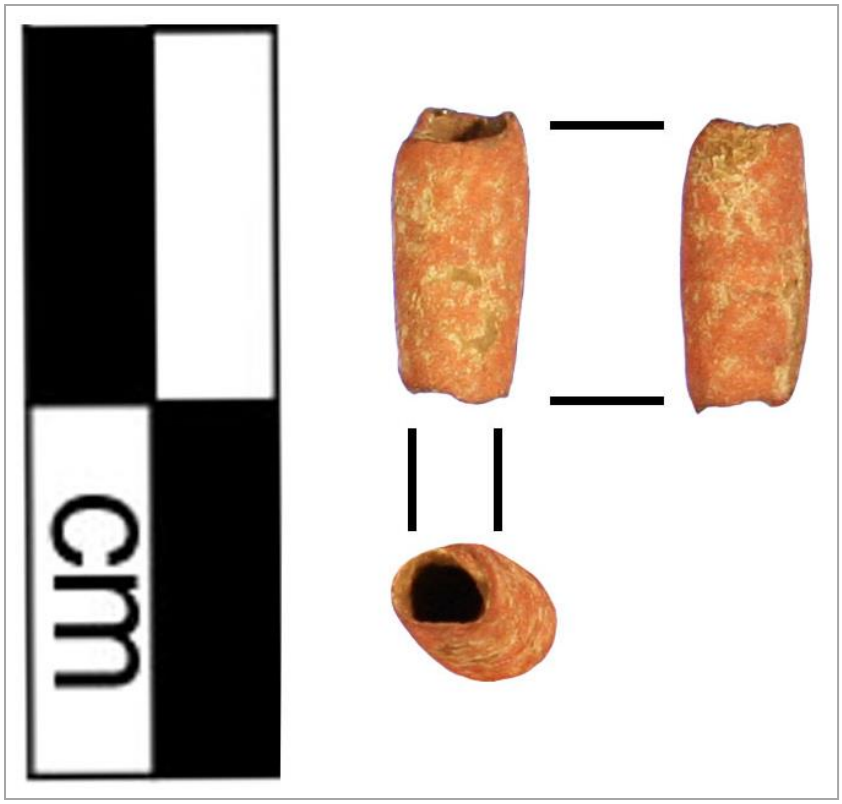
Weight: 0.2g

Patina:

Type A: Present on 51-75% of object
Type B: Not present
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C throughout with areas of Type A and accretions. Type D follows striations and recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Smoothing on bead's edges, probably from use. Possible light striations running longitudinally on bead on rolled over side and side opposite of seam. Seam of rolled over edge smoothed against rest of bead body with some possible dark brown material placed between this edge and the rolled under side in order to disguise the seam.



Manufacturing Stage/Processes:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-75

Recorder: JMP **Date:** 1/11/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 5.96mm
Seam: 5.62mm
Side Opposite Seam: 5.74mm

Width:
Maximum: 4.05mm
Top Orifice: 2.17mm
Bottom Orifice: 2.12mm

Thickness:
Rolled Over Side: 0.89mm
Side Opposite Seam: 0.39mm

Weight: 0.2g

Patina:

Type A: Present on 76-100% of object
Type B: Not present
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A throughout with Type C on bends and ends. Type D on top edge of left side.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Possible striations running longitudinally throughout bead. Both of bead's edges are rounded from use. Worn nick in top edge of rolled under side. Seam of rolled over edge smoothed against rest of bead body with some possible dark brown material placed between this edge and the rolled under side in order to disguise the seam.

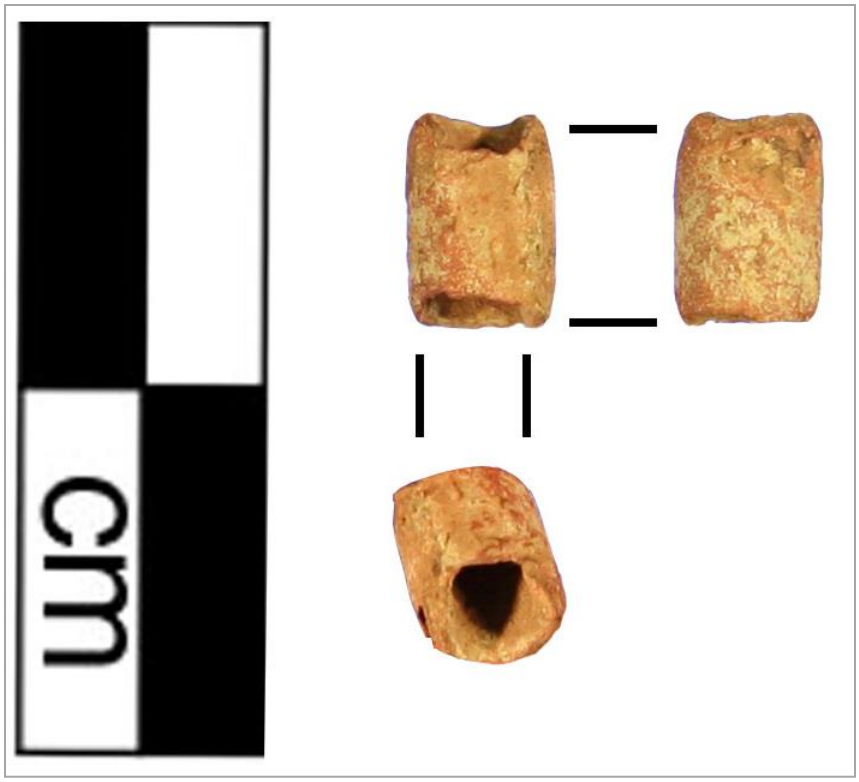
Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: Globular
Seam Alignment: Askew
General Comments:



Artifact: B72-76

Recorder: JMP **Date:** 1/11/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 20.18mm
Seam: 17.55mm
Side Opposite Seam: 19.18mm

Width:
Maximum: 4.14mm
Top Orifice: 2.61mm
Bottom Orifice: 2.44mm

Thickness:
Rolled Over Side: 0.62mm
Side Opposite Seam: 0.61mm

Weight: 0.9g

Patina:

Type A: Present on 26-50% of object
Type B: Not present
Type C: Present on 51-75% of object
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C and accretions throughout. Type A along edges of Type C patina.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Smoothed bead's edges. Smoothed nick in lower edge of rolled over side and side opposite of seam. Seam of rolled over edge smoothed against rest of bead body with some possible golden dark brown material placed between this edge and the rolled under side in order to disguise the seam.

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: Tubular
Seam Alignment: Flush
General Comments:

Artifact: B72-77

Recorder: JMP **Date:** 1/22/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 11.06mm
Seam: 10.67mm
Side Opposite Seam: 9.47mm

Width:
Maximum: 5.71mm
Top Orifice: 2.28mm
Bottom Orifice: 3.78mm

Thickness:
Rolled Over Side: 0.59mm
Side Opposite Seam: 0.49mm

Weight: 0.6g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Not present
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A along bends and edges and accretions throughout. Type C along lower bead edge.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Top bead edge of rolled over side has large nick from pressed down section of edge. Top bead edge has many small nicks. Top bead edge of rolled under side is bent inward. Lower bead edge is smoothed from wear.

Manufacturing Stage/Processes:

Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Indistinguishable or N/A
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Polygonal

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Flared
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Pinched
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-78

Recorder: JMP **Date:** 1/22/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 8.67mm
Seam: 5.76mm
Side Opposite Seam: 7.5mm

Width:
Maximum: 6.51mm
Top Orifice: 3.86mm
Bottom Orifice: 4.01mm

Thickness:
Rolled Over Side: 0.58mm
Side Opposite Seam: 0.73mm

Weight: 0.4g

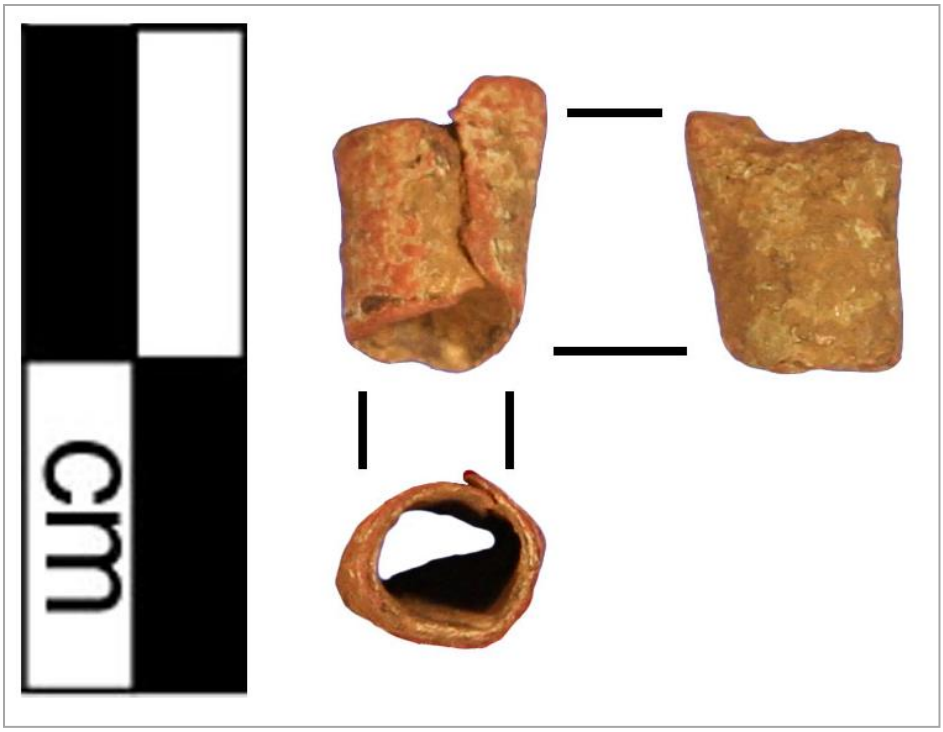
Patina:
Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions and Type A throughout. Type C on rolled over and rolled under sides and edges.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Top portion of side opposite of seam is bent inward and there is a crack where the bend meets the edge of the top bead edge of the right side. Bottom edge seam of side opposite of seam has a nick worn into the edge.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Indeterminate
Special Shape: No special shape
Seam Alignment: Askew
General Comments:



Artifact: B72-79

Recorder: JMP **Date:** 1/22/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 12.71mm
Seam: 10.34mm
Side Opposite Seam: 12.53mm

Width:
Maximum: 5.53mm
Top Orifice: 3.18mm
Bottom Orifice: 3.56mm

Thickness:
Rolled Over Side: 0.64mm
Side Opposite Seam: 0.55mm

Weight: 0.7g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions and Type A throughout. Some Type B on side opposite of seam.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Bead's edges are smoothed from use. Lower bead edge has worn nick on side opposite seam. Lower bead edge is also slightly bent inward. Incisions/striations running perpendicularly from top bead edge on right side and extending onto side opposite of seam. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - in interior?

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-80

Recorder: JMP **Date:** 1/22/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 6.87mm
Seam: 5.97mm
Side Opposite Seam: 6.6mm

Width:
Maximum: 4.57mm
Top Orifice: 2.7mm
Bottom Orifice: 2.98mm

Thickness:
Rolled Over Side: 0.59mm
Side Opposite Seam: 0.48mm

Weight: 0.3g

Patina:

Type A: Present on 1-25% of object
Type B: Not present
Type C: Present on 76-100% of object
Type D: Not present
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C throughout with some Type A and accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Seam is very smoothed over, probably done during manufacture. Bead edges are rounded from use and have some areas where the smoothing is so significant that there are nicks to the edge (top and bottom edges of the rolled under side and top edge of side opposite seam). Seam of rolled over edge smoothed against rest of bead body with some possible dark brown material placed between this edge and the rolled under side in order to disguise the seam.

Manufacturing Stage/Processes:

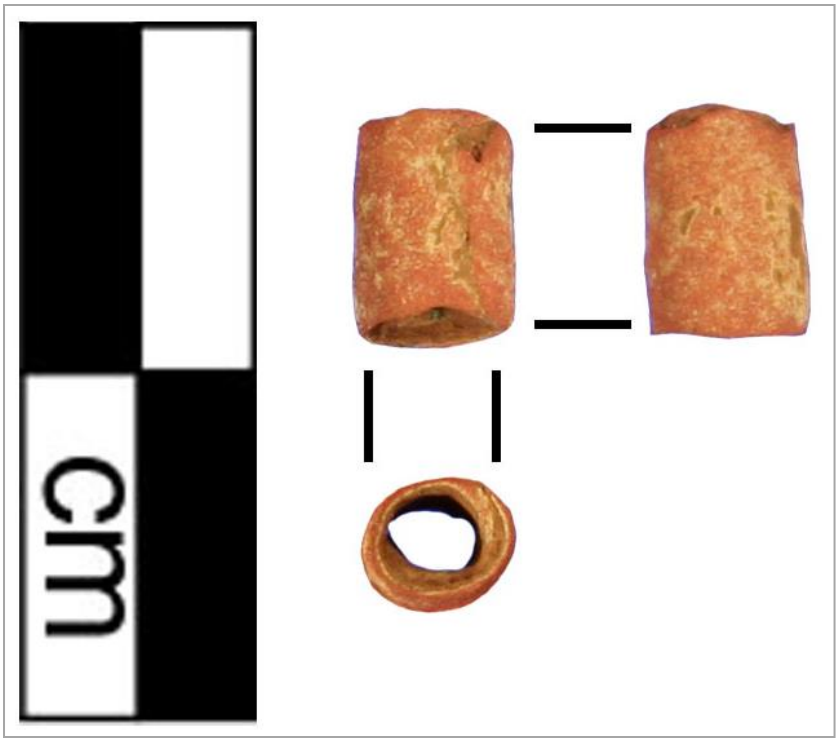
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - between rolled edges?

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:



Artifact: B72-81

Recorder: JMP **Date:** 1/22/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 9.44mm
Seam: 8.84mm
Side Opposite Seam: 8.47mm

Width:
Maximum: 4.56mm
Top Orifice: 3.07mm
Bottom Orifice: 3.15mm

Thickness:
Rolled Over Side: 0.51mm
Side Opposite Seam: 0.45mm

Weight: 0.4g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Not present
Type E: Not present
Accretions: Present on 1-25% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A throughout with some Type C. Accretions mostly on rolled over side and side opposite of seam.

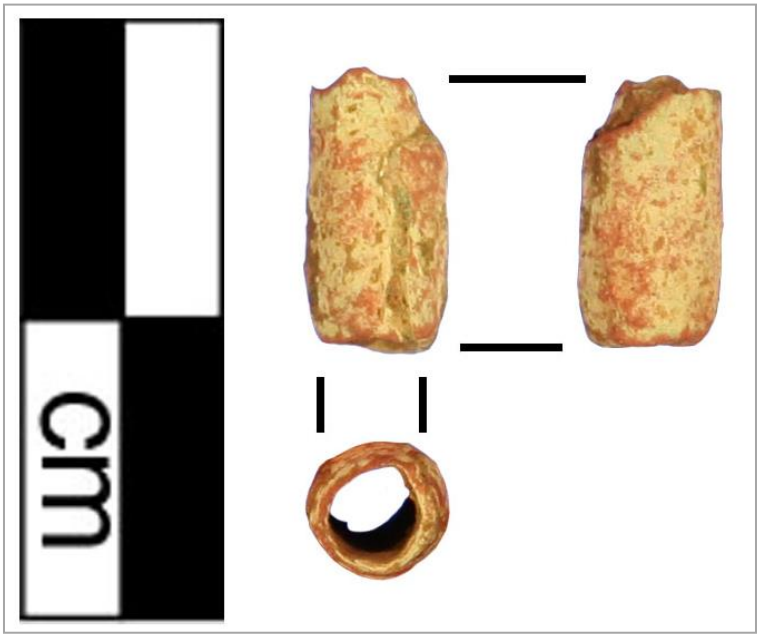
Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Striations/incisions sprouting from seam on rolled over side and running transversely across bead throughout. Possible incisions/striations running longitudinally along bead in center. Seam is smoothed over and has some incisions/striations along edges, probably done during manufacture. Bead edges are rounded from use and have all of upper bead edge except for left side has smoothing that is so significant that there are worn nicks. Top portion of rolled under side is slightly bent inward. Seam of rolled over edge smoothed against rest of bead body with some possible brown and teal material placed between this edge and the rolled under side in order to disguise the seam.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth

Cross-Section Shape: Circular



Decorations Present: Present
Decoration Description (if present): Striations/incisions decorative?

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - between rolled edges?

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-82

Recorder: JMP **Date:** 1/22/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 10.79mm
Seam: 10.71mm
Side Opposite Seam: 9.92mm

Width:
Maximum: 5.8mm
Top Orifice: 3.28mm
Bottom Orifice: 3.51mm

Thickness:
Rolled Over Side: 0.69mm
Side Opposite Seam: 0.49mm

Weight: 0.7g

Patina:

Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 1-25% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C throughout with some Type A and accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Striations/incisions running transversely across bead throughout, especially on side opposite of seam. Bead's edges are worn with some edges worn so much there are nicks in the edges (top left bead edge and bottom bead edge throughout except for rolled over and under sides).

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy

Decorations Present: Present
Decoration Description (if present): Striations/incisions decorative?
Cross-Section Shape: Square

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: Globular
Seam Alignment: Askew
General Comments: Somewhat globular even though the bead is a little longer than usual globular beads.

Artifact: B72-83

Recorder: JMP **Date:** 1/22/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 7.92mm
Seam: 6.4mm
Side Opposite Seam: 7.71mm

Width:
Maximum: 5.29mm
Top Orifice: 2mm
Bottom Orifice: 4.17mm

Thickness:
Rolled Over Side: 0.4mm
Side Opposite Seam: 0.48mm

Weight: 0.2g

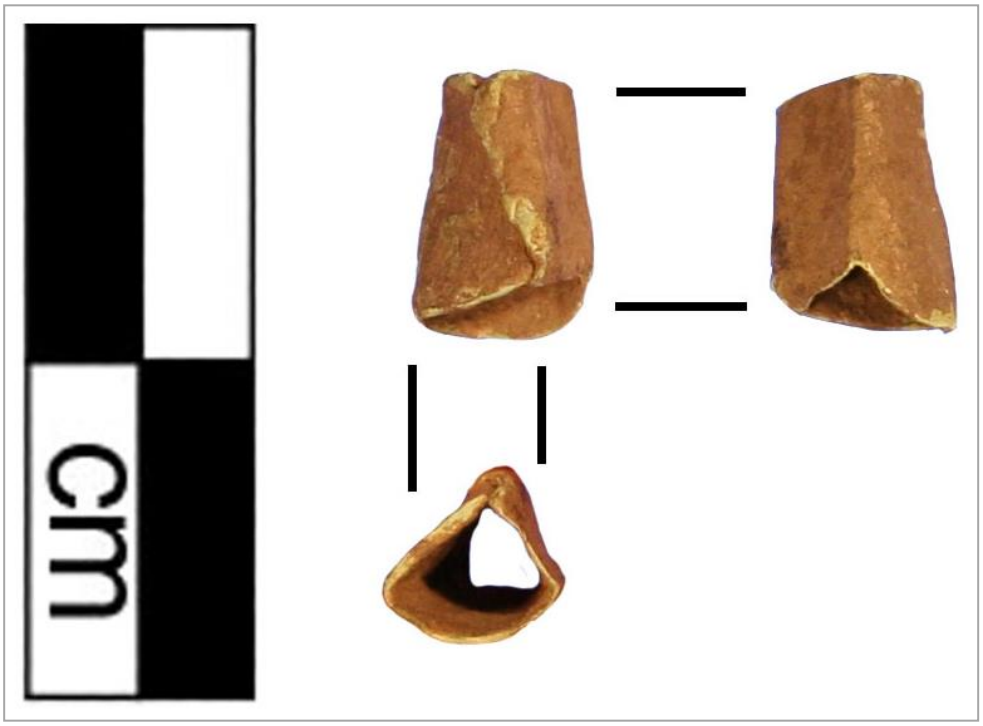
Patina:
Type A: Present on 1-25% of object
Type B: Not present
Type C: Not present
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A along edges and accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Striations/incisions across seam edge and possibly running diagonally across rolled under side. Bead's edges are worn. Small crack along top bead edge of right side. Worn nicks on top bead edge at seam and on lower bead edge on right side and rolled over side. Right side is bent inward.

Manufacturing Stage/Processes:
Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Possibly cut from copper or brass kettle
Possible Shaping Method: Folded
Decorations Present: Present
Decoration Description (if present): Striations/incisions decorative?
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:



Artifact: B72-84

Recorder: JMP **Date:** 1/22/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 10.9mm
Seam: 7.29mm
Side Opposite Seam: 8.99mm

Width:
Maximum: 6.93mm
Top Orifice: 5.39mm
Bottom Orifice: 5.32mm

Thickness:
Rolled Over Side: 0.6mm
Side Opposite Seam: 0.47mm

Weight: 0.6g

Patina:
Type A: Present on 1-25% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Present on 1-25% of object
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout and Type A along edges and on rolled over side.

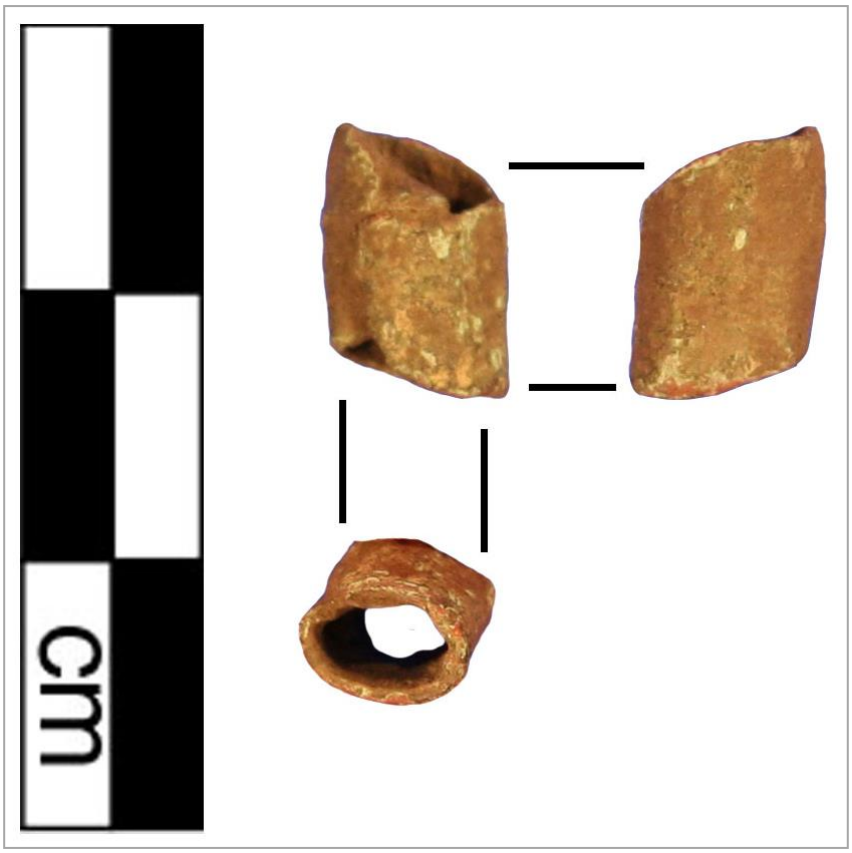
Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Striations/incisions running transversely on rolled over side, possibly from use or post-deposition. Top portion of rolled under edge is bent inward and crack stems longitudinally along bead to left side from this bend. Bend possibly "pinched" interior seam edge? Bead's edges are smoothed from use.

Manufacturing Stage/Processes:
Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - in interior?

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Indeterminate
Special Shape: No special shape
Seam Alignment: Askew
General Comments:



Artifact: B72-85

Recorder: JMP **Date:** 1/22/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 12.07mm
Seam: 11.8mm
Side Opposite Seam: 11.04mm

Width:
Maximum: 6.33mm
Top Orifice: 3.56mm
Bottom Orifice: 3.17mm

Thickness:
Rolled Over Side: 0.39mm
Side Opposite Seam: 0.45mm

Weight: 1.2g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Present

Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present

Loss:
Broken Piece: Not present
Nicks: Present

Retooling:
Resharpened: Not present
Repaired: Not present

Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Cracks running perpendicular to lower bead edge and bead edge is bent inward throughout. Upper bead edge is also slightly bent inward. Bead's edges are worn and there is a worn nick in the top bead edge of the right side. Some cracks along seam edge of rolled over side and incision running longitudinally along right side.

Manufacturing Stage/Processes:

Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Polygonal

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 360+ degrees
Rolled Under Seam Edge: Pinched
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-86

Recorder: JMP **Date:** 1/22/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 7.49mm
Seam: 5.8mm
Side Opposite Seam: 7.21mm

Width:
Maximum: 6.82mm
Top Orifice: 3.71mm
Bottom Orifice: 4.11mm

Thickness:
Rolled Over Side: 1.02mm
Side Opposite Seam: 0.84mm

Weight: 0.8g

Patina:

Type A: Present on 26-50% of object
Type B: Not present
Type C: Present on 26-50% of object
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout. Type A along edges and rolled over and under sides.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Bends inward and outward along entire upper bead edge. Striations on rolled under side. Smoothed upper and lower bead edge and worn nick in upper bead edge of rolled under side.

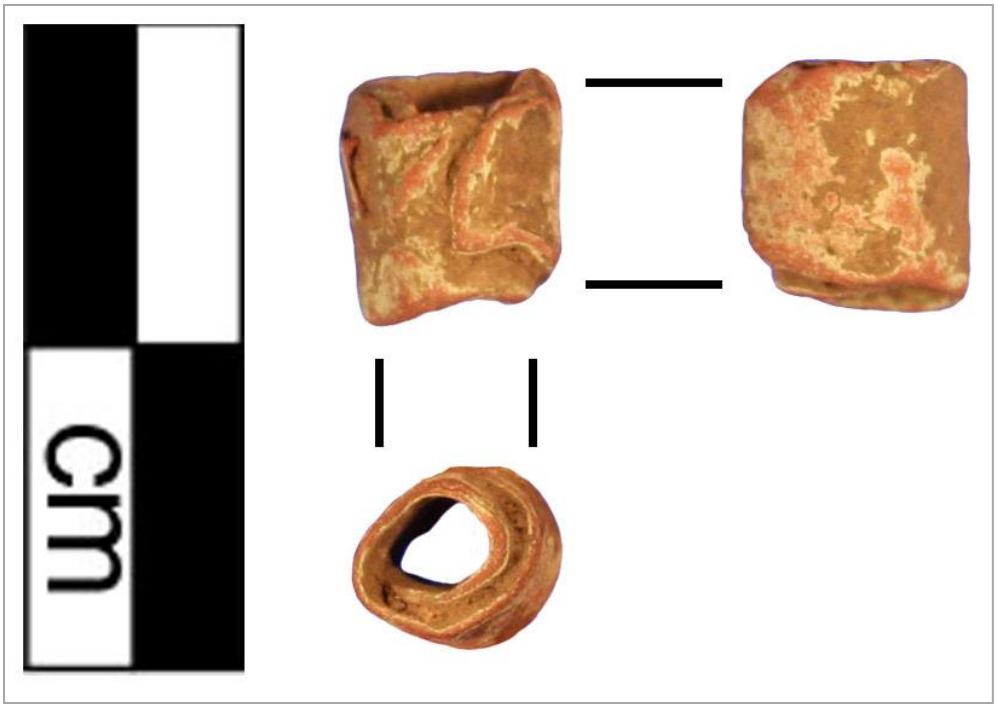
Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:



Artifact: B72-87

Recorder: JMP **Date:** 1/22/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 10.26mm
Seam: 9.57mm
Side Opposite Seam: 7.99mm

Width:
Maximum: 6.14mm
Top Orifice: 3.5mm
Bottom Orifice: 3.62mm

Thickness:
Rolled Over Side: 1.04mm
Side Opposite Seam: 1.13mm

Weight: 0.7g

Patina:

Type A: Present on 76-100% of object
Type B: Not present
Type C: Not present
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Bulged-out lower half from manufacture? Striations/incisions running transversely throughout bead, especially on rolled over side and side across from seam. Incision running longitudinally at center of rolled under side. Crack on lower bead edge near the seam. Worn top and bottom bead edges. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Other

Decorations Present: Present
Decoration Description (if present): Striations/incisions decorative?
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Flared
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: Other
Seam Alignment: Askew
General Comments: Possibly a smoothed over coil? Bulged out lower half of bead.

Artifact: B72-88

Recorder: JMP **Date:** 1/22/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 7.62mm
Seam: 6.17mm
Side Opposite Seam: 7.13mm

Width:
Maximum: 6.56mm
Top Orifice: 2.85mm
Bottom Orifice: 3.35mm

Thickness:
Rolled Over Side: 1.48mm
Side Opposite Seam: 1.55mm

Weight: 1.2g

Patina:

Type A: Present on 76-100% of object
Type B: Not present
Type C: Not present
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: 2
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Bead's edges are worn and worn nick in lower bead edge of rolled under side. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - in interior?

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-89

Recorder: JMP **Date:** 1/22/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 9.99mm
Seam: 8.82mm
Side Opposite Seam: 8.9mm

Width:
Maximum: 7.53mm
Top Orifice: 4.02mm
Bottom Orifice: 3.79mm

Thickness:
Rolled Over Side: 0.92mm
Side Opposite Seam: 0.91mm

Weight: 1.6g

Patina:

Type A: Present on 26-50% of object
Type B: Not present
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C throughout with areas of Type A, especially on rolled over side. Type D along accretions mostly on side opposite of seam.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Striations or lines of accretions running longitudinally across side opposite of seam. Bead's edges are worn, and a nick is worn into the upper bead edge of the rolled under side. Seam of rolled over edge smoothed against rest of bead body with some possible black material placed between this edge and the rolled under side in order to disguise the seam.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-90

Recorder: JMP **Date:** 1/22/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 10.39mm
Seam: 9.71mm
Side Opposite Seam: 9.63mm

Width:
Maximum: 6.58mm
Top Orifice: 2.55mm
Bottom Orifice: 2.93mm

Thickness:
Rolled Over Side: 1.28mm
Side Opposite Seam: 1.17mm

Weight: 1.3g

Patina:

Type A: Present on 51-75% of object
Type B: Not present
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A with some areas of Type C on rolled under side. Type C with some areas of Type A on rolled over side. Type A and C with accretions on side opposite of seam.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges are smoothed and slightly bent inward (though this bend could be from manufacture).

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: Globular
Seam Alignment: Askew
General Comments: Somewhat globular even though the bead is a little longer than usual globular beads.

Artifact: B72-91

Recorder: JMP **Date:** 1/22/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 5.93mm
Seam: 5.53mm
Side Opposite Seam: 5.52mm

Width:
Maximum: 5.3mm
Top Orifice: 1.72mm
Bottom Orifice: 1.71mm

Thickness:
Rolled Over Side: 1.67mm
Side Opposite Seam: 1.53mm

Weight: 0.5g

Patina:

Type A: Present on 1-25% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Type A along edges. Some of Types B and D on right side and side opposite of seam.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Two incisions running longitudinally across bead on side opposite of seam. Bead edges are smoothed from use.

Manufacturing Stage/Processes:

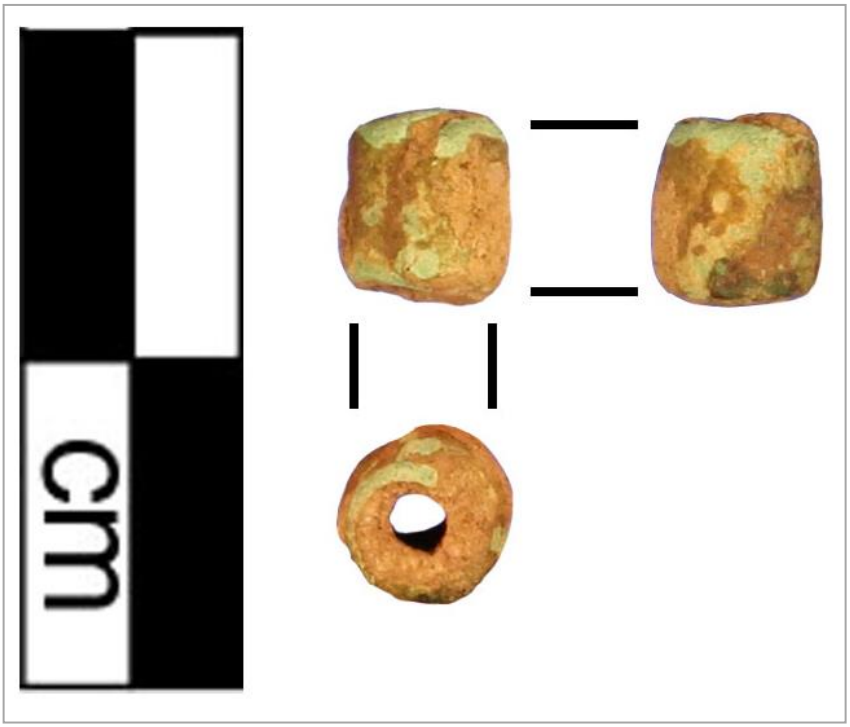
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth

Decorations Present: Present
Decoration Description (if present): Incisions on side opposite of seam?
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - in interior?

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments: Thick accretions on interior of bead - perhaps some organic material was preserved? Thickness is probably closer to 0.8, but was difficult to measure due to amount of interior accretions.



Artifact: B72-92

Recorder: JMP **Date:** 1/22/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 6.94mm
Seam: 6.74mm
Side Opposite Seam: 6.34mm

Width:
Maximum: 4.93mm
Top Orifice: 3.11mm
Bottom Orifice: 3.15mm

Thickness:
Rolled Over Side: 0.65mm
Side Opposite Seam: 0.74mm

Weight: 0.4g

Patina:

Type A: Present on 26-50% of object
Type B: Not present
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and C throughout, except for on side opposite of seam which has mostly accretions. Type D along recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Incisions appear to be decorative. Two incisions run parallel to each other sprouting perpendicularly from seam of rolled over side and extend to side opposite of seam where they converge and form a swirl on left side and rolled under side. Smoothing on bead's edges. Seam of rolled over edge smoothed against rest of bead body with some possible black material placed between this edge and the rolled under side in order to disguise the seam.

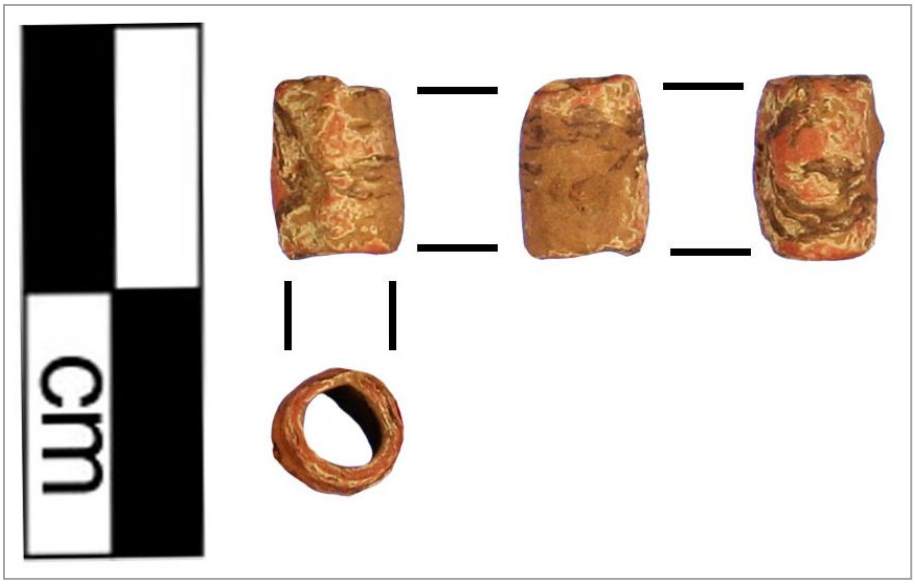
Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present
Decoration Description (if present): Two incisions run parallel to each other sprouting perpendicularly from seam of rolled over side and extend to side opposite of seam where they converge and form a swirl on left side and rolled under side.
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments: Pretty definitive decoration.



Artifact: B72-93

Recorder: JMP **Date:** 2/8/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 7.07mm
Seam: 5.64mm
Side Opposite Seam: 7.1mm

Width:
Maximum: 5.21mm
Top Orifice: 3.01mm
Bottom Orifice: 2.9mm

Thickness:
Rolled Over Side: 0.7mm
Side Opposite Seam: 0.71mm

Weight: 0.5g

Patina:

Type A: Present on 26-50% of object
Type B: Not present
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C throughout with Type A and accretions sporadically on body of bead.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

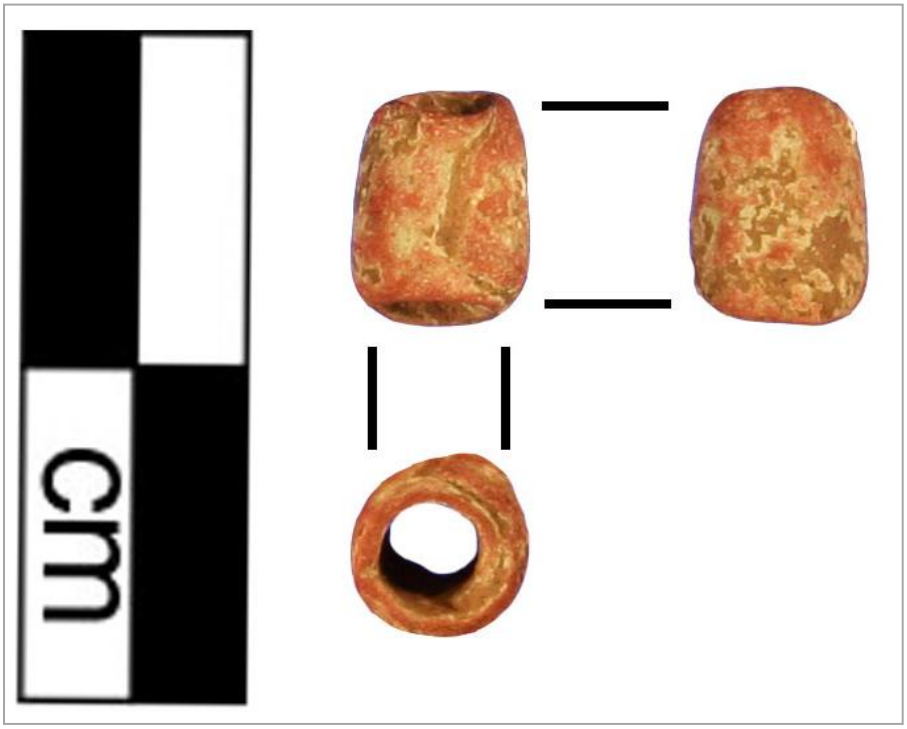
Description of Use-Wear Amount/Location: Appears to be smoothed prior to use (rolled over seam edge is smoothed against rolled under side. Bead edges are smoothed from use with a recessed area (nick) on the top bead edge of the rolled under side. Seam of rolled over edge smoothed against rest of bead body with some possible dark brown material placed between this edge and the rolled under side in order to disguise the seam.

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth

Decorations Present: Not present

Decoration Description (if present):
Cross-Section Shape: Circular



Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-94

Recorder: JMP **Date:** 4/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 4.47mm
Seam: 3.89mm
Side Opposite Seam: 4.32mm

Width:
Maximum: 4.63mm
Top Orifice: 3.38mm
Bottom Orifice: 3.6mm

Thickness:
Rolled Over Side: 0.62mm
Side Opposite Seam: 0.48mm

Weight: 0.2g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Not present
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A throughout center of bead with border of Type C along edges. Type B and accretions primarily on left side.

Manufacturing Marks and/or Use-Wear:

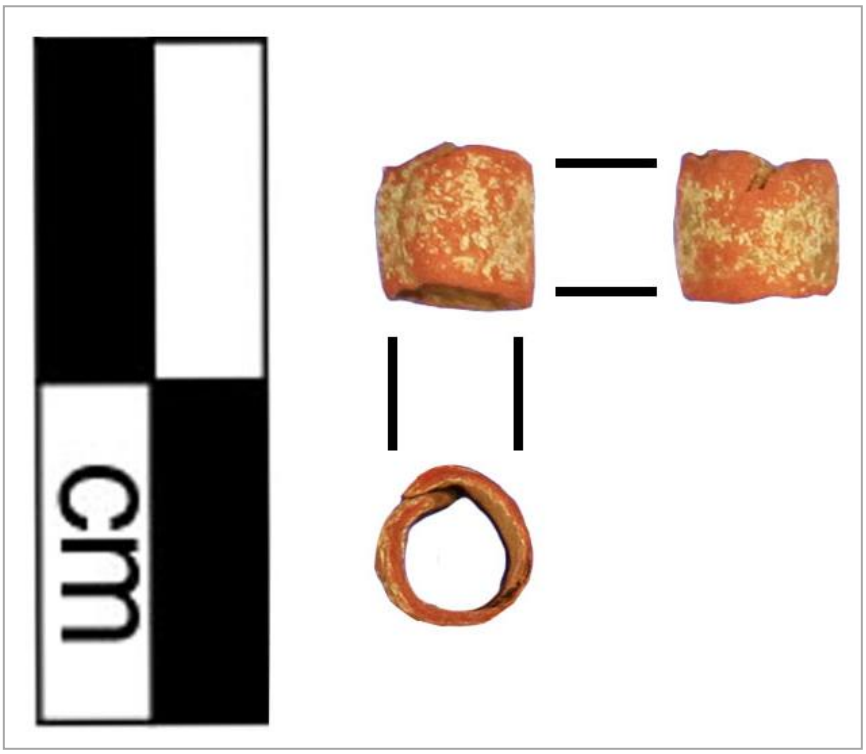
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Crack and nick on top edge of side opposite of seam. Bead's edges are smoothed from wear. Slight loss on top edge of rolled under side from wear. Seam of rolled over edge smoothed slightly against rest of bead body.

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured artifact
Cross-Section Shape: Circular
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth
Decorations Present: Not present
Decoration Description (if present):

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:



Artifact: B72-95

Recorder: JMP **Date:** 4/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 13.36mm
Seam: 12.81mm
Side Opposite Seam: 12.87mm

Width:
Maximum: 6.23mm
Top Orifice: 3.83mm
Bottom Orifice: 3.93mm

Thickness:
Rolled Over Side: 0.49mm
Side Opposite Seam: 0.48mm

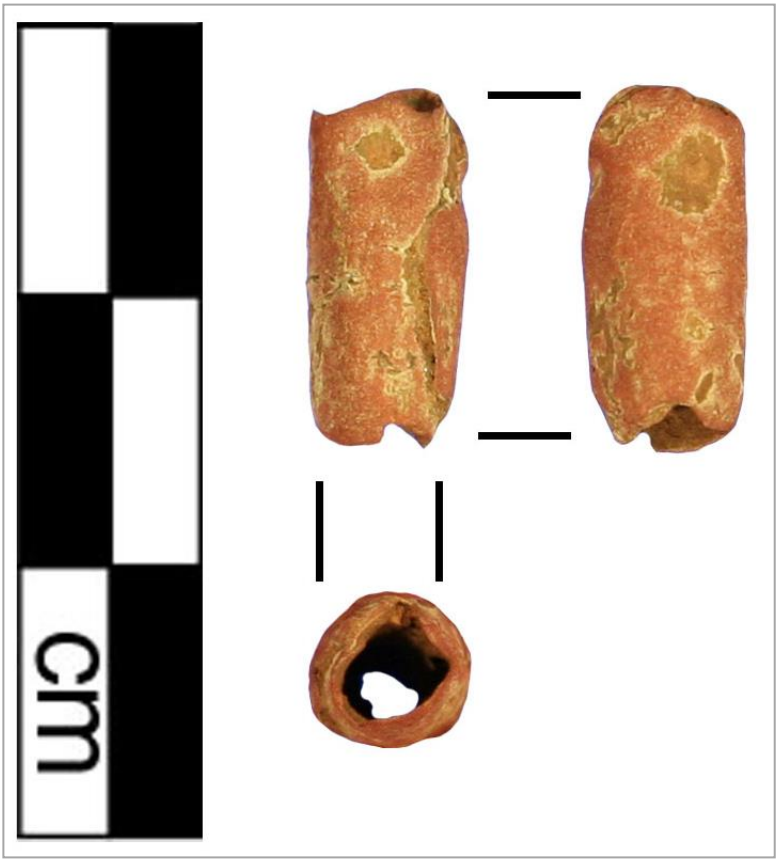
Weight: 0.9g

Patina:

Type A: Present on 26-50% of object
Type B: Not present
Type C: Present on 76-100% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C throughout with Type A and accretions sporadically on body of bead. Type D along some areas of pitting and accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Very faint striations running transversely on rolled under side and side across seam? Nicks along top and bottom bead edges from wear, some are significant losses. Both bead edges bent inward, probably from use. One indentation on upper portion of rolled under side and three on upper portion of rolled over side.



Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - in between rolled over and under sides?

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Pinched
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-96

Recorder: JMP **Date:** 4/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 8.28mm
Seam: 8.26mm
Side Opposite Seam: 8.33mm

Width:
Maximum: 6.57mm
Top Orifice: 4.69mm
Bottom Orifice: 4.36mm

Thickness:
Rolled Over Side: 0.83mm
Side Opposite Seam: 0.98mm

Weight: 0.5g

Patina:

Type A: Present on 1-25% of object
Type B: Not present
Type C: Not present
Type D: Not present
Type E: Not present

Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object

Total Surface Area with Patina/Corrosion: Present on 76-100% of object

Location of Patina/Corrosion: Accretions throughout with Type A along edges.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present

Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Not present

Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Possible missing piece on rolled over side. Appears that seam was smoothed over and portion of right side is missing or rolled under side was bent inward and cracked along the left edge. Thick accretions on bead make it difficult to determine. Possible indentations on rolled under side? Manufacturing marks?

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy

Cross-Section Shape: Circular

Decorations Present: Present
Decoration Description (if present): Possible indentations on rolled under side? Manufacturing marks?

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments: Possible indentations on rolled under side? Manufacturing marks?

Artifact: B72-97

Recorder: JMP **Date:** 4/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 8.19mm
Seam: 6.34mm
Side Opposite Seam: 7.15mm

Width:
Maximum: 5.43mm
Top Orifice: 3.61mm
Bottom Orifice: 3.24mm

Thickness:
Rolled Over Side: 0.93mm
Side Opposite Seam: 0.48mm

Weight: 0.5g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout. Type C mostly along edges. Type D along striations/incisions.

Manufacturing Marks and/or Use-Wear:

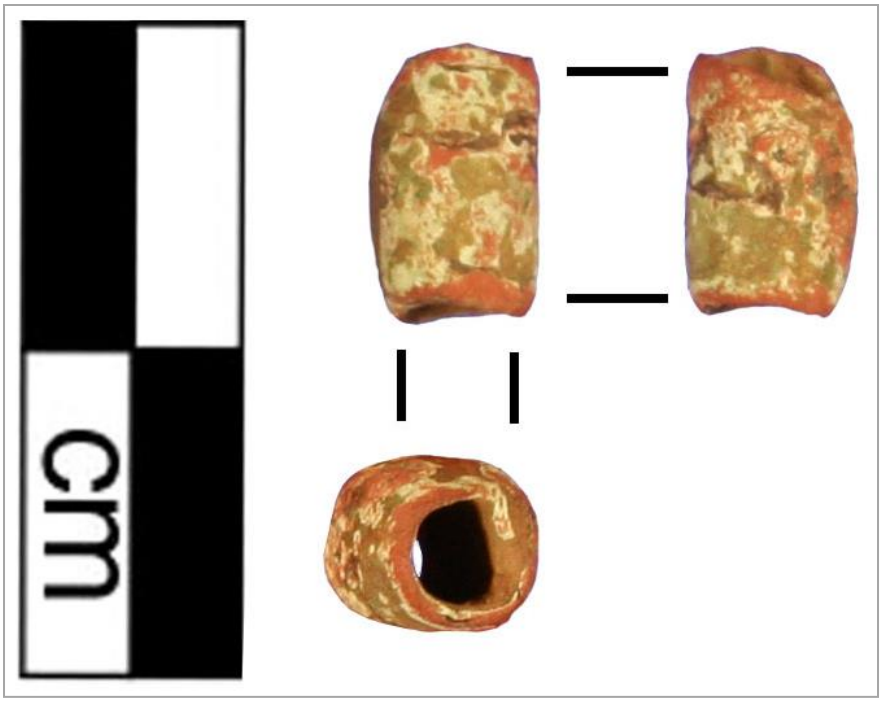
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Deep striation/incision running longitudinally along bead from upper half of rolled over side to center of side opposite seam. Possible decoration? Bead edges worn with use with some loss on upper edge of rolled under side. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present
Decoration Description (if present): Striations/incisions from upper half of rolled over side to center of side opposite seam
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - in between rolled over and under sides?

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Flared
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Pinched
Special Shape: No special shape
Seam Alignment: Flush
General Comments: Possible decoration?



Artifact: B72-98

Recorder: JMP **Date:** 4/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 7.04mm
Seam: 6.09mm
Side Opposite Seam: 6.99mm

Width:
Maximum: 6.06mm
Top Orifice: 2.99mm
Bottom Orifice: 2.72mm

Thickness:
Rolled Over Side: 1.14mm
Side Opposite Seam: 1.04mm

Weight: 0.8g

Patina:

Type A: Present on 1-25% of object
Type B: Not present
Type C: Present on 1-25% of object
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with some pitting. Type A along edges and on side opposite of seam. Type C on top edge of rolled under side and bottom edge of right side.

Manufacturing Marks and/or Use-Wear:

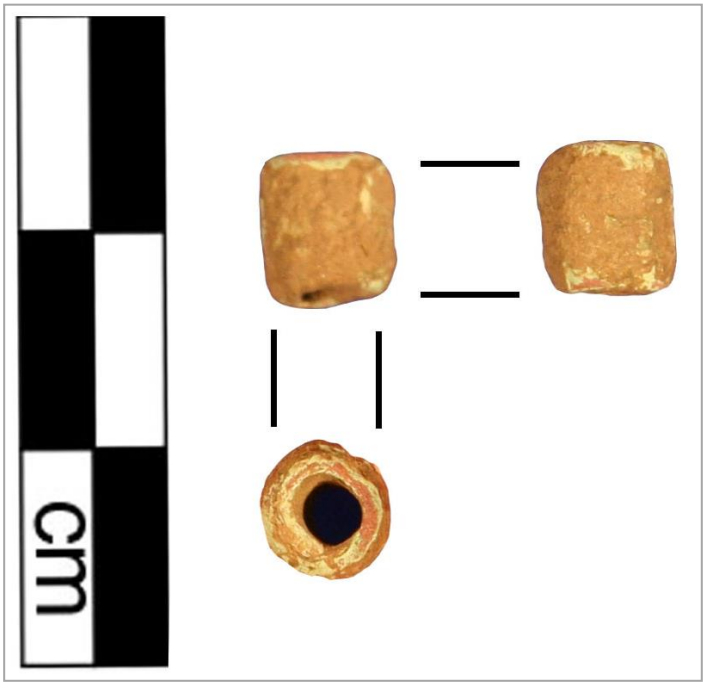
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Two incisions in center of rolled over side running longitudinally. Two incisions running from lower edge of rolled under side to top bead edge of left side. Decorations? Created post deposition? Hard to determine with thick accretions. Bead edges worn with use. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present

Decoration Description (if present): Two incisions in center of rolled over side running longitudinally. Two incisions running from lower edge of rolled under side to top bead edge of left side.
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N



Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-99

Recorder: JMP **Date:** 4/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 8.03mm
Seam: 7.75mm
Side Opposite Seam: 7.47mm

Width:
Maximum: 4.94mm
Top Orifice: 3.24mm
Bottom Orifice: 3.72mm

Thickness:
Rolled Over Side: 0.55mm
Side Opposite Seam: 0.49mm

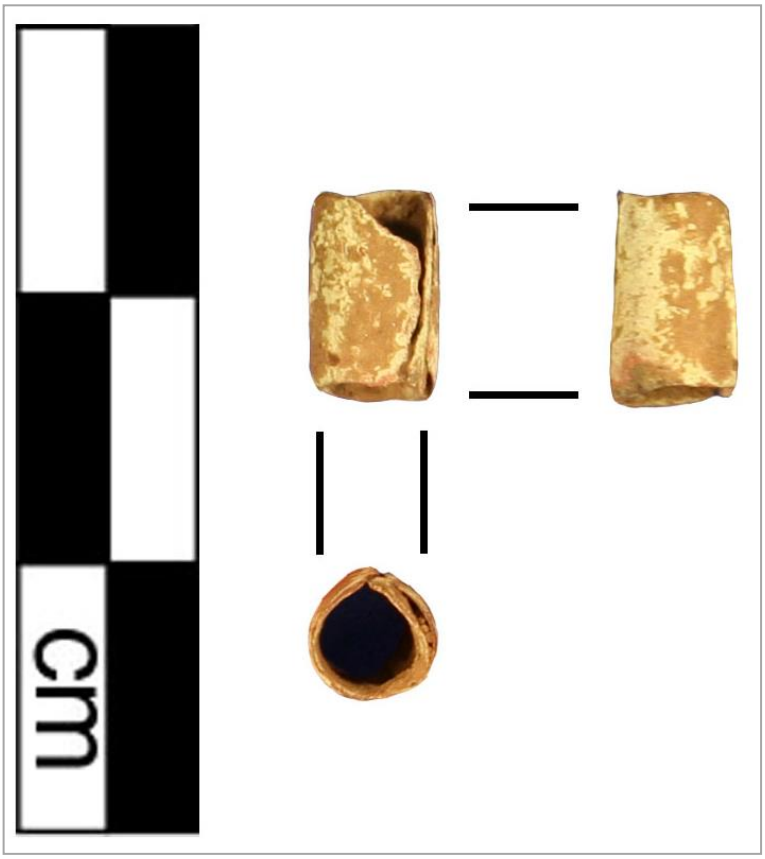
Weight: 0.3g

Patina:

Type A: Present on 51-75% of object
Type B: Not present
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A throughout with accretions. Type C sporadically on bead, mostly on lower edge and rolled over seam edge.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Rolled under side is cracked transversely near seam edge of rolled over side. Bead edges are worn from use with significant loss on upper edge of rolled under side. Light striations appear to run transversely and longitudinally on side opposite of seam.



Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present
Decoration Description (if present): Light striations appear to run transversely and longitudinally on side opposite of seam.
Cross-Section Shape: Square

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments: Possible decoration?

Artifact: B72-100

Recorder: JMP **Date:** 4/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 7.02mm
Seam: 5.76mm
Side Opposite Seam: 6.54mm

Width:
Maximum: 5.39mm
Top Orifice: 2.78mm
Bottom Orifice: 2.68mm

Thickness:
Rolled Over Side: 1.3mm
Side Opposite Seam: 1.1mm

Weight: 0.6g

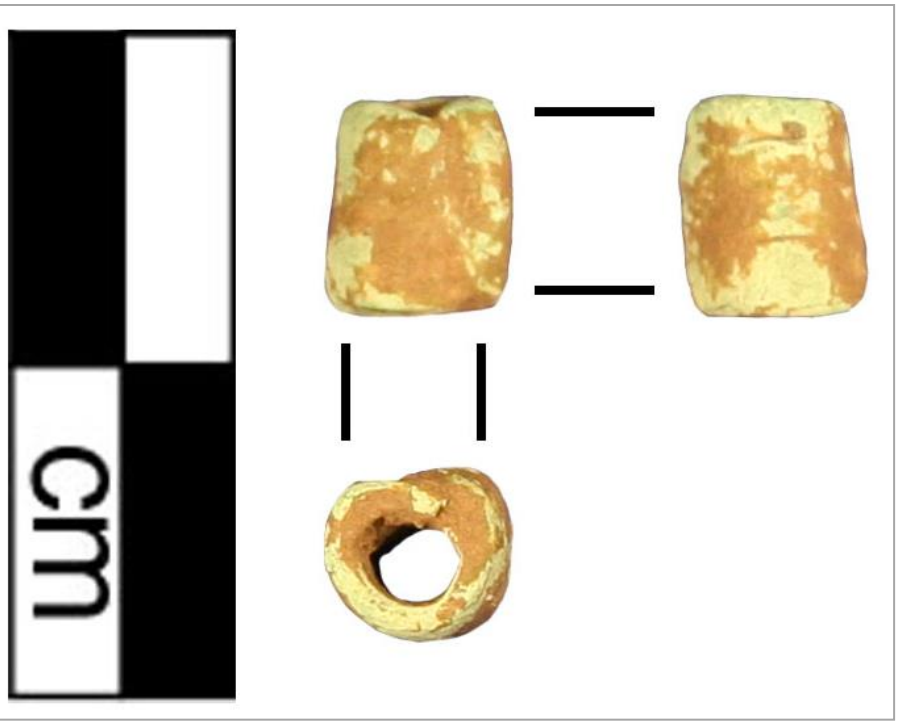
Patina:
Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Smoothed bead edges from use. Striations/incisions run longitudinally along entire bead body. Deeper incisions run perpendicularly along rolled over side's edge and are roughly 2mm long. Two deeper striations running longitudinally on side opposite seam. Decorations? Manufacturing marks?

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Present
Decoration Description (if present): Striations/incisions running throughout, especially along rolled over side edge and side opposite seam
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments: Possible decoration?



Artifact: B72-101

Recorder: JMP **Date:** 4/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 6.59mm
Seam: 5.74mm
Side Opposite Seam: 6.11mm

Width:
Maximum: 6.41mm
Top Orifice: 2.56mm
Bottom Orifice: 2.67mm

Thickness:
Rolled Over Side: 1.15mm
Side Opposite Seam: 0.94mm

Weight: 0.8g

Patina:

Type A: Present on 1-25% of object
Type B: Not present
Type C: Not present
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Type A along edges.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Smoothed bead edges from use. Some loss on upper edge of rolled under side. Light striations running transversely on bead, especially on rolled under side. Marks along rolled over side's seam edge appear to be manufacturing marks to smooth seam. Possible slight cracks on upper half of rolled under side, but accretions make the surface difficult to examine. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:

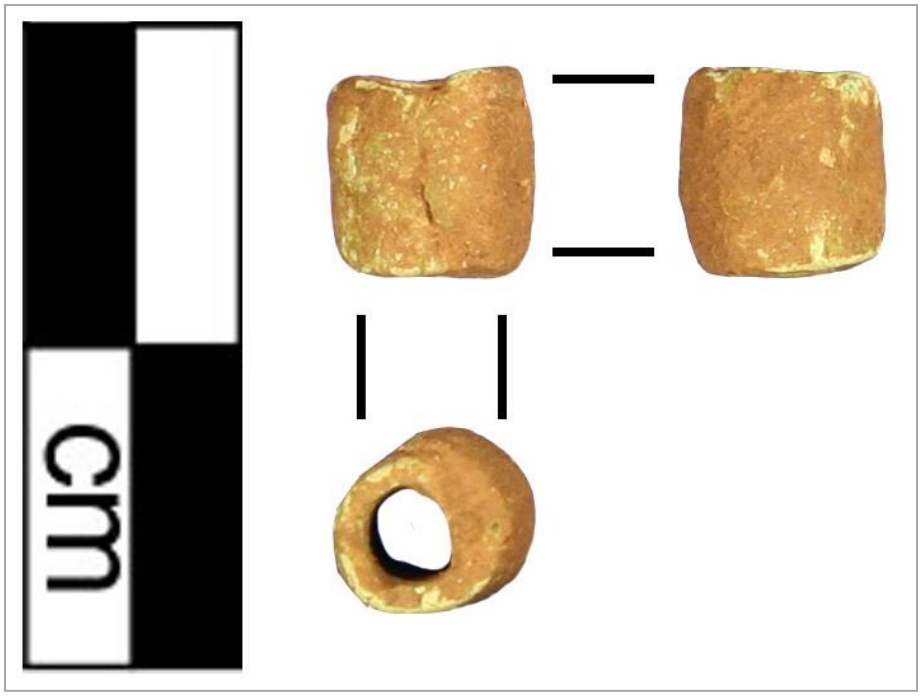
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded

Decorations Present: Present
Decoration Description (if present): Striations running longitudinally throughout
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - in between rolled over and under sides?

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Flared
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments: Possible decoration?



Artifact: B72-102

Recorder: JMP **Date:** 4/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 12.17mm
Seam: 10.05mm
Side Opposite Seam: 10.2mm

Width:
Maximum: 6.33mm
Top Orifice: 4.05mm
Bottom Orifice: 4.45mm

Thickness:
Rolled Over Side: 0.94mm
Side Opposite Seam: 0.52mm

Weight: 0.8g

Patina:

Type A: Present on 1-25% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 1-25% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C throughout with areas of Type A. Type D follows recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Smoothed bead edges with areas of loss on upper edge of left side and lower edge of right side. Light striations on rolled over side, especially on seam edge. Seam of rolled over edge smoothed against rest of bead body with some possible black material placed between this edge and the rolled under side in order to disguise the seam.

Manufacturing Stage/Processes:
Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present
Decoration Description (if present): Striations on rolled over side
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments: Possible decoration?

Artifact: B72-103

Recorder: JMP **Date:** 4/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 14.62mm
Seam: 11.45mm
Side Opposite Seam: 13.96mm

Width:
Maximum: 4.41mm
Top Orifice: 1.37mm
Bottom Orifice: 2.4mm

Thickness:
Rolled Over Side: 0.34mm
Side Opposite Seam: 0.6mm

Weight: 0.4g

Patina:

Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C throughout with areas of Type A and accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Cracks and losses along bead's edges, especially on right and left side of top edge. Right side of lower edge is bent inward slightly. Striations/incisions running perpendicularly from rolled over side's seam edge and two stemming perpendicularly from top edge of rolled over side. Striations running transversely throughout. Decorations or manufacturing marks? A portion of the top edge of the right side was cracked and bent toward the front of the bead leaving a pinched tab. Seam of rolled over edge smoothed against rest of bead body with some possible black material placed between this edge and the rolled under side in order to disguise the seam.

Manufacturing Stage/Processes:

Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present
Decoration Description (if present): Transverse striations throughout
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - in between rolled over and under sides?

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Indeterminate
General Comments: Possible decoration?
Special Shape: Tubular
Seam Alignment: Flush

Artifact: B72-104

Recorder: JMP **Date:** 4/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 25.43mm
Seam: 23.72mm
Side Opposite Seam: 24.75mm

Width:
Maximum: 3.65mm
Top Orifice: 2.43mm
Bottom Orifice: 1.96mm

Thickness:
Rolled Over Side: 0.4mm
Side Opposite Seam: 0.55mm

Weight: 0.6g

Patina:

Type A: Not present
Type B: Not present
Type C: Not present
Type D: Not present
Type E: Present on 1-25% of object
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thin accretions and pitting throughout with some spots of Type E, especially along seam's edge of rolled under side.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Description of Use-Wear Amount/Location: Slight flaring of upper orifice. Striations stemming perpendicularly from seam's edge of rolled under side. Bead's edges are smoothed from use and body of bead is smoothed possibly from manufacture. Slight inward bend of lower edge of right side.

Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Possibly cut from copper or brass kettle
Possible Shaping Method: Folded
Decorations Present: Present
Decoration Description (if present): Striations on rolled under side stemming from seam edge
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
General Comments: Brass? Decorated?
Special Shape: Tubular
Seam Alignment: Flush

Artifact: B72-105

Recorder: JMP **Date:** 4/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 22.87mm
Seam: 22.67mm
Side Opposite Seam: 22.46mm

Width:
Maximum: 2.82mm
Top Orifice: 1.53mm
Bottom Orifice: 1.34mm

Thickness:
Rolled Over Side: 0.36mm
Side Opposite Seam: 0.96mm

Weight: 0.7g

Patina:

Type A: Not present
Type B: Not present
Type C: Not present
Type D: Present on 51-75% of object
Type E: Present on 1-25% of object
Accretions: Present on 26-50% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thin accretions and pitting throughout with some spots of Type E, especially side opposite seam.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Description of Use-Wear Amount/Location: Slight splaying of upper edge of right side. Striations throughout side opposite of seam perpendicular to bead's edges.

Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present

Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Possibly cut from copper or brass kettle
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present
Decoration Description (if present): Transverse striations on side opposite of seam
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): Y

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: Tubular
Seam Alignment: Flush
General Comments: Brass? Decorated?

Artifact: B72-106

Recorder: JMP **Date:** 4/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 17.53mm
Seam: 10.54mm
Side Opposite Seam: 16.99mm

Width:
Maximum: 4.01mm
Top Orifice: 2.02mm
Bottom Orifice: 2.26mm

Thickness:
Rolled Over Side: 0.56mm
Side Opposite Seam: 0.35mm

Weight: 0.3g

Patina:

Type A: Present on 76-100% of object
Type B: Not present
Type C: Present on 1-25% of object
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Not present
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout. Type A covers visible areas, including interior.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Significant loss of lower half of rolled under side and left side and crack along this loss. Bead's edges smoothed with use. Possible transverse striations throughout bead, but hard to determine with thick accretions on surface. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy

Decorations Present: Present
Decoration Description (if present): Transverse striations throughout?
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: Tubular
Seam Alignment: Flush
General Comments: Possible decoration?

Artifact: B72-107

Recorder: JMP **Date:** 4/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 14.11mm
Seam: 13.86mm
Side Opposite Seam: 11.86mm

Width:
Maximum: 4.08mm
Top Orifice: 1.85mm
Bottom Orifice: 2.41mm

Thickness:
Rolled Over Side: 0.41mm
Side Opposite Seam: 0.55mm

Weight: 0.4g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions and Type A throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Slight splaying on lower edge of side opposite of seam. Worn nicks on upper edge of right side and side opposite of seam. Slight bend on center of side opposite of seam and center of upper edge of side opposite of seam. Striations running transversely on rolled under side and deep incision in lower corner of rolled over side. Both striations and incisions appear to be irregular and probable manufacturing marks. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - in between rolled over and under sides?

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Pinched
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-108

Recorder: JMP **Date:** 4/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 14.68mm
Seam: 11.92mm
Side Opposite Seam: 14.25mm

Width:
Maximum: 3.89mm
Top Orifice: 2.58mm
Bottom Orifice: 2.29mm

Thickness:
Rolled Over Side: 0.72mm
Side Opposite Seam: 0.64mm

Weight: 0.5g

Patina:

Type A: Present on 1-25% of object
Type B: Not present
Type C: Not present
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Type A lower edge, upper right edge, and upper half of rolled over side's seam edge.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Sides of upper half of bead is bent inward. Upper bead's edge has small nicks throughout. Small nick on lower bead edge of left side. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:
Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): Y

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Indeterminate
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-109

Recorder: JMP **Date:** 4/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 8.54mm
Seam: 5.9mm
Side Opposite Seam: 7.92mm

Width:
Maximum: 3.97mm
Top Orifice: 2.38mm
Bottom Orifice: 2.46mm

Thickness:
Rolled Over Side: 0.39mm
Side Opposite Seam: 0.5mm

Weight: 0.2g

Patina:
Type A: Present on 51-75% of object
Type B: Not present
Type C: Not present
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Type A, especially along edges.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Lower edge of rolled under side bent inward with crack on its left side. Lower half of bead slightly splayed outward. Crack in center of seam edge of rolled over side. Inward bend on top edge of side opposite of seam. Worn nicks on right and left side of upper bead edge. Inward bend in center of right side. Light striations running transversely on rolled under side and longitudinal striations along left side.

Manufacturing Stage/Processes:
Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present
Decoration Description (if present): Light striations running transversely on rolled under side and longitudinal striations along left side.
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 271-260 degrees
Rolled Under Seam Edge: Pinched
Special Shape: No special shape
Seam Alignment: Flush
General Comments: Possible decoration?

Artifact: B72-110

Recorder: JMP **Date:** 4/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 14.78mm
Seam: 14.43mm
Side Opposite Seam: 13.93mm

Width:
Maximum: 4.73mm
Top Orifice: 1.76mm
Bottom Orifice: 2.73mm

Thickness:
Rolled Over Side: 0.35mm
Side Opposite Seam: 0.51mm

Weight: 0.3g

Patina:

Type A: Not present
Type B: Not present
Type C: Not present
Type D: Present on 76-100% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type D throughout with some accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Worn loss in lower edge of right side. Crack/loss in lower seam edge of rolled over side. Incisions on lower corner of rolled over side near seam. Inward bend in upper half of side opposite of seam. Upper right bead edge is bent inward. Lower edge of rolled under side is splayed outward. Seam of rolled over edge slightly smoothed against rest of bead body.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Possibly cut from copper or brass kettle
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Indeterminate
Special Shape: No special shape
Seam Alignment: Flush
General Comments: Brass or iron?

Artifact: B72-111

Recorder: JMP **Date:** 4/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 14.15mm
Seam: 13.84mm
Side Opposite Seam: 13.61mm

Width:
Maximum: 3.17mm
Top Orifice: 0.79mm
Bottom Orifice: 1.73mm

Thickness:
Rolled Over Side: 0.41mm
Side Opposite Seam: 0.51mm

Weight: 0.4g

Patina:

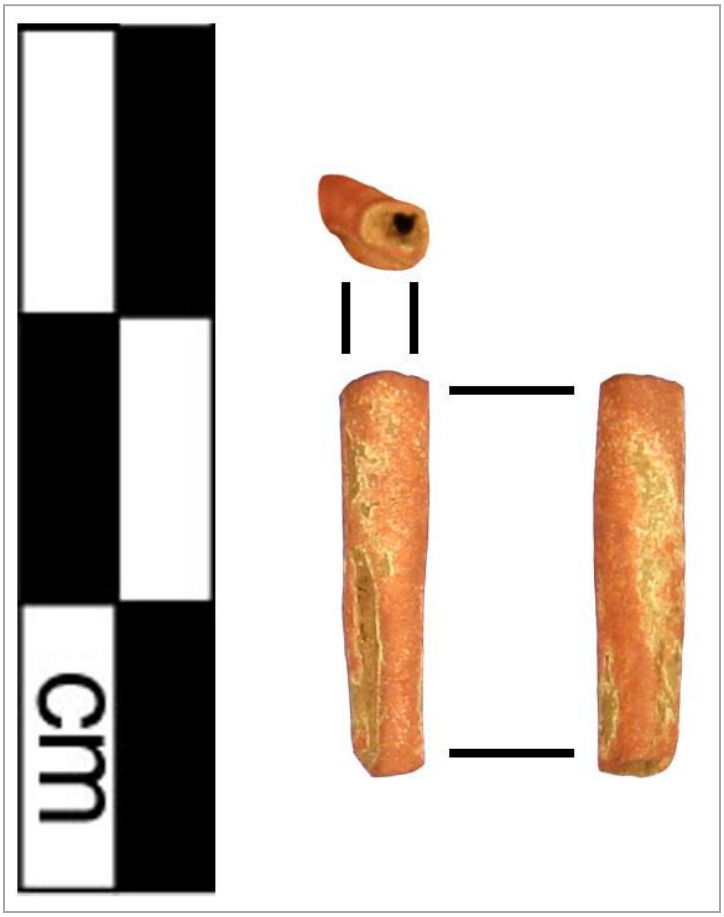
Type A: Present on 1-25% of object
Type B: Not present
Type C: Present on 76-100% of object
Type D: Not present
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C throughout with Type A and accretions, especially on rolled under side and side opposite of seam.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Not present
Description of Use-Wear Amount/Location: Smoothed edges of bead from use. Seam of rolled over edge smoothed against rest of bead body with some possible black material placed between this edge and the rolled under side in order to disguise the seam.

Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present

Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present



Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: Tubular
Seam Alignment: Flush
General Comments:

Artifact: B72-112

Recorder: JMP **Date:** 4/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 8.89mm
Seam: 7.24mm
Side Opposite Seam: 8.62mm

Width:
Maximum: 3.28mm
Top Orifice: 1.83mm
Bottom Orifice: 1.91mm

Thickness:
Rolled Over Side: 0.65mm
Side Opposite Seam: 0.34mm

Weight: 0.2g

Patina:

Type A: Present on 51-75% of object
Type B: Not present
Type C: Present on 1-25% of object
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions and Type A throughout, especially on right side. Some Type C on rolled over side.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present

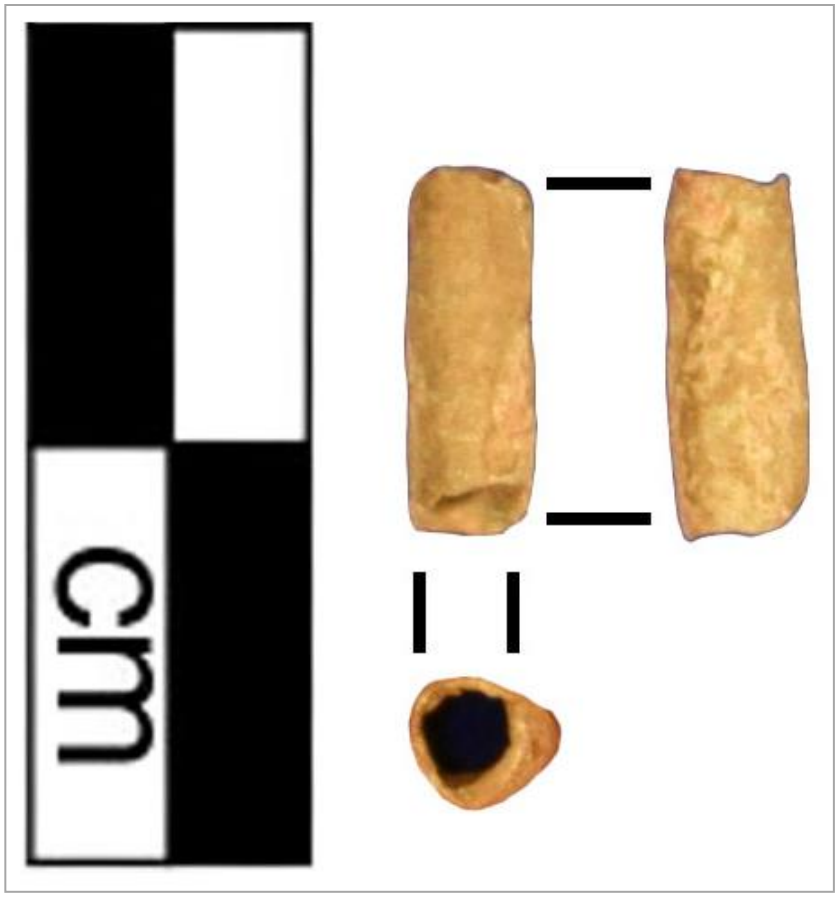
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present

Loss:
Broken Piece: Not present
Nicks: Present

Retooling:
Resharpened: Not present
Repaired: Not present

Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Smoothed edges of bead from use with small worn nicks on upper edges of rolled under side and side opposite of seam as well as lower left side. Bead's edges are slightly bent inward. Seam of rolled over edge smoothed against rest of bead body.



Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-113

Recorder: JMP **Date:** 4/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 13.27mm
Seam: 11.48mm
Side Opposite Seam: 12.49mm

Width:
Maximum: 5.77mm
Top Orifice: 3.22mm
Bottom Orifice: 3.36mm

Thickness:
Rolled Over Side: 0.57mm
Side Opposite Seam: 0.9mm

Weight: 1g

Patina:

Type A: Present on 51-75% of object
Type B: Not present
Type C: Not present
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Type A along edges. Type D in center of seam edge of rolled over side.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Loss on upper edge of left side. Top edge of rolled over side is splayed outward. Cracks along loss of top left side. Bend inward of top edge of left side. Lower edge of right side has a worn nick. Bead's edges are worn from use. Seam of rolled over edge slightly smoothed against rest of bead body.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-114

Recorder: JMP **Date:** 4/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 14.2mm
Seam: 10.46mm
Side Opposite Seam: 13.88mm

Width:
Maximum: 6.13mm
Top Orifice: 3.36mm
Bottom Orifice: 4.76mm

Thickness:
Rolled Over Side: 0.43mm
Side Opposite Seam: 0.82mm

Weight: 1g

Patina:

Type A: Present on 26-50% of object
Type B: Not present
Type C: Present on 51-75% of object
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A, Type C, and accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Hole in lower half of rolled over side. Was present prior to shaping or may have been created post shaping by use or for decoration or attachment. Upper and lower edges are worn with worn nicks throughout. Striations along upper edge of side opposite of seam. Seam of rolled over edge smoothed against rest of bead body with some possible black material placed between this edge and the rolled under side in order to disguise the seam.

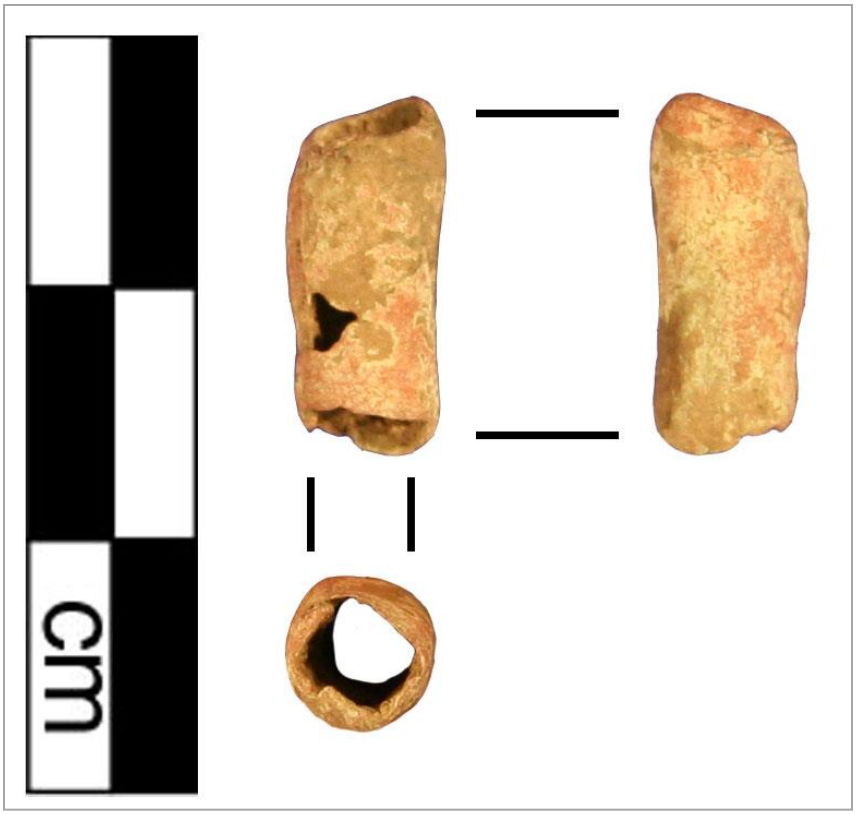
Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:



Artifact: B72-115

Recorder: JMP **Date:** 4/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 13.78mm
Seam: 6.78mm
Side Opposite Seam: 11.76mm

Width:
Maximum: 6.31mm
Top Orifice: 4.68mm
Bottom Orifice: 5.22mm

Thickness:
Rolled Over Side: 0.37mm
Side Opposite Seam: 0.36mm

Weight: 0.5g

Patina:
Type A: Present on 76-100% of object
Type B: Not present
Type C: Present on 26-50% of object
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A, Type C, and accretions throughout.

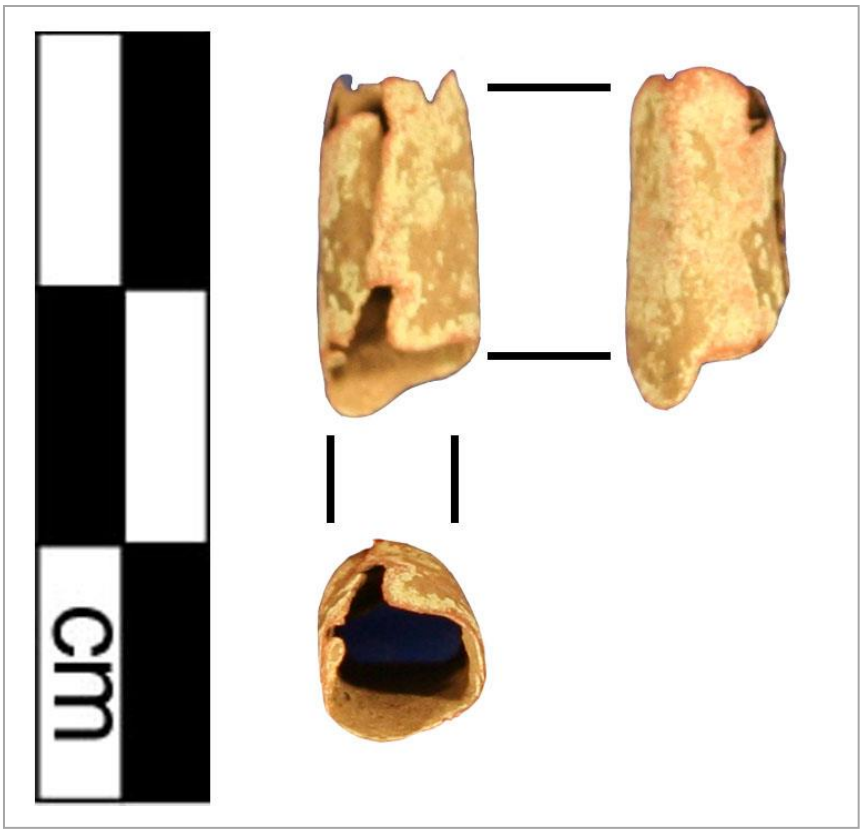
Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Worn upper and lower edges that have numerous worn nicks, especially lower seam edge of rolled over side. Cracks in lower edge of left side and upper edge of right side. Bead edges are bent slightly inward. Striations perpendicular to lower edge of rolled over side. Striations also run longitudinally across side opposite of seam.

Manufacturing Stage/Processes:
Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Pinched
Special Shape: No special shape
Seam Alignment: Askew
General Comments:



Artifact: B72-116

Recorder: JMP **Date:** 4/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 14.04mm
Seam: 13.7mm
Side Opposite Seam: 13.66mm

Width:
Maximum: 6.52mm
Top Orifice: 4.45mm
Bottom Orifice: 4.35mm

Thickness:
Rolled Over Side: 1.06mm
Side Opposite Seam: 0.6mm

Weight: 0.9g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present

Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object

Total Surface Area with Patina/Corrosion: Present on 76-100% of object

Location of Patina/Corrosion: Accretions and Type A throughout. Type C on rolled over side and lower edges.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present

Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present

Loss:
Broken Piece: Not present
Nicks: Present

Retooling:
Resharpened: Not present
Repaired: Not present

Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Worn upper and lower edges with small nicks. Significant worn nick on lower edge of left side. Striations or cracks running from center of rolled under side to bottom of side opposite seam.

Manufacturing Stage/Processes:

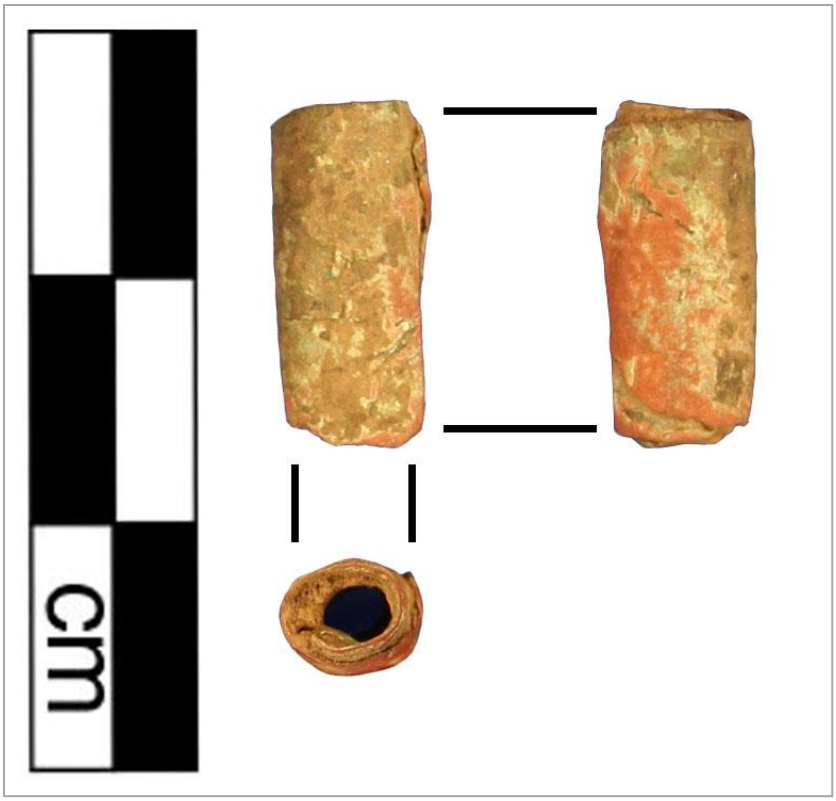
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth

Decorations Present: Present
Decoration Description (if present): Striations or cracks running from center of rolled under side to bottom of side opposite seam.
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:



Artifact: B72-117

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 12.5mm
Seam: 8.58mm
Side Opposite Seam: 10.91mm

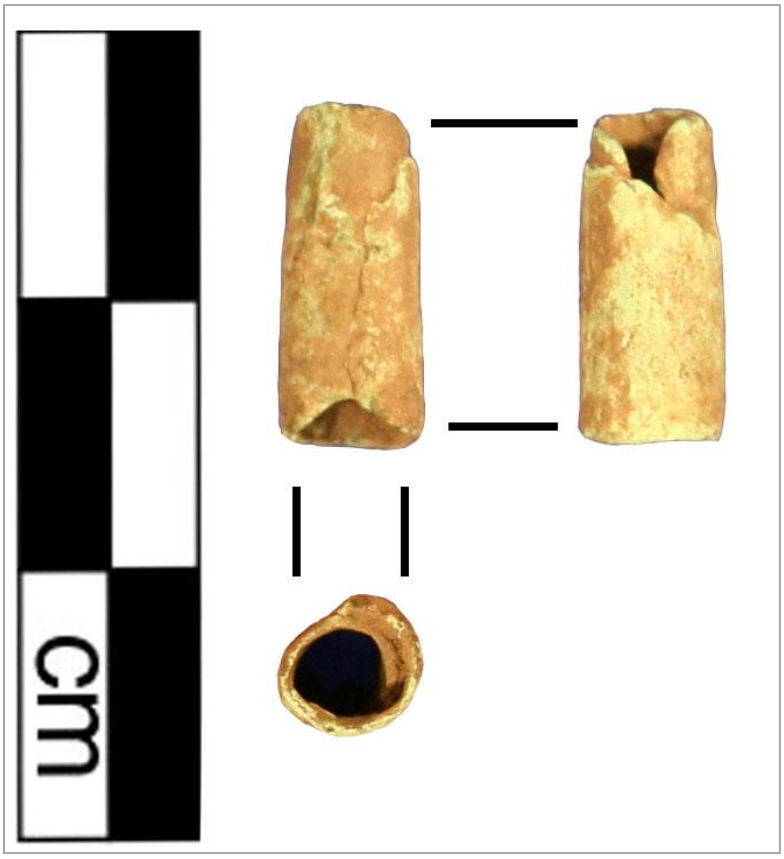
Width:
Maximum: 5.39mm
Top Orifice: 3.01mm
Bottom Orifice: 3.46mm

Thickness:
Rolled Over Side: 0.5mm
Side Opposite Seam: 0.6mm

Weight: 0.5g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Striations running transversely across bead's body on rolled over side and right side. Crack in rolled over side that runs longitudinally along bead body with upper half bent slightly inward. Edges are slightly smoothed from use. Polish on rolled under side and rolled over side where sides meet. Looks like seam edge of rolled over side was crimped shut to be smooth against rest of body.



Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present
Decoration Description (if present): Striations running transversely across bead's body on rolled over side and right side.
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Flared
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-118

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 10.31mm
Seam: 8.54mm
Side Opposite Seam: 9.01mm

Width:
Maximum: 5.98mm
Top Orifice: 2.88mm
Bottom Orifice: 3.78mm

Thickness:
Rolled Over Side: 0.45mm
Side Opposite Seam: 0.58mm

Weight: 0.7g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout with some Type C.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges are worn with some small nicks. Lower corner of rolled over side's seam edge was either broken off at some point in time, worn down, or was created in this irregular shape originally. Striations appear to transverse bead body throughout entire bead. Seam of rolled over edge smoothed against rest of bead body with some possible black material placed between this edge and the rolled under side in order to disguise the seam.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy

Cross-Section Shape: Oval

Decorations Present: Present
Decoration Description (if present): Striations appear to transverse bead body throughout entire bead.

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-119

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 15.26mm
Seam: 13.05mm
Side Opposite Seam: 14.99mm

Width:
Maximum: 6.8mm
Top Orifice: 3.53mm
Bottom Orifice: 3.25mm

Thickness:
Rolled Over Side: 0.64mm
Side Opposite Seam: 1.21mm

Weight: 1.7g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 76-100% of object
Type C: Present on 1-25% of object
Type D: Present on 51-75% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type B throughout with Type A and accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges are smoothed from use. Crack on surface on side opposite seam runs transversely across bead body. Possible striations running longitudinally along bead body. Possible polish on surface. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Flared
Amount of Overlap of Seam Sides: 271-260 degrees
Rolled Under Seam Edge: Smoothed
General Comments:
Special Shape: No special shape
Seam Alignment: Flush

Artifact: B72-120

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 20.48mm
Seam: 18.02mm
Side Opposite Seam: 19.55mm

Width:
Maximum: 6.03mm
Top Orifice: 3.71mm
Bottom Orifice: 4.07mm

Thickness:
Rolled Over Side: 0.44mm
Side Opposite Seam: 0.4mm

Weight: 1.1g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Present on 51-75% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Numerous cracks stemming from lower bead edge and pieces of this edge are distorted - some are splayed and other pieces are bent. Upper edge is worn with some worn nicks. Wear on corner on upper half of side opposite seam. Portion of upper edge on side opposite seam is bent inward. Surface is covered in thick accretions and is irregular and flakey. Seam of rolled over edge smoothed against rest of bead body with some possible black material placed between this edge and the rolled under side in order to disguise the seam.

Manufacturing Stage/Processes:

Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): Y - fiber, hair? Material on interior

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 271-260 degrees
Rolled Under Seam Edge: Smoothed
General Comments:
Special Shape: Tubular
Seam Alignment: Flush

Artifact: B72-121

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 14.06mm
Seam: 10.66mm
Side Opposite Seam: 13.24mm

Width:
Maximum: 6.29mm
Top Orifice: 3.77mm
Bottom Orifice: 4.38mm

Thickness:
Rolled Over Side: 0.51mm
Side Opposite Seam: 0.41mm

Weight: 0.8g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with some accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges slightly worn. Worn nicks in center of top and bottom edge of rolled under side and on top edge of side opposite seam. Striations/incisions running longitudinally along entire bead's body. Seam of rolled over edge smoothed against rest of bead body with some possible dark brown material placed between this edge and the rolled under side in order to disguise the seam.

Manufacturing Stage/Processes:

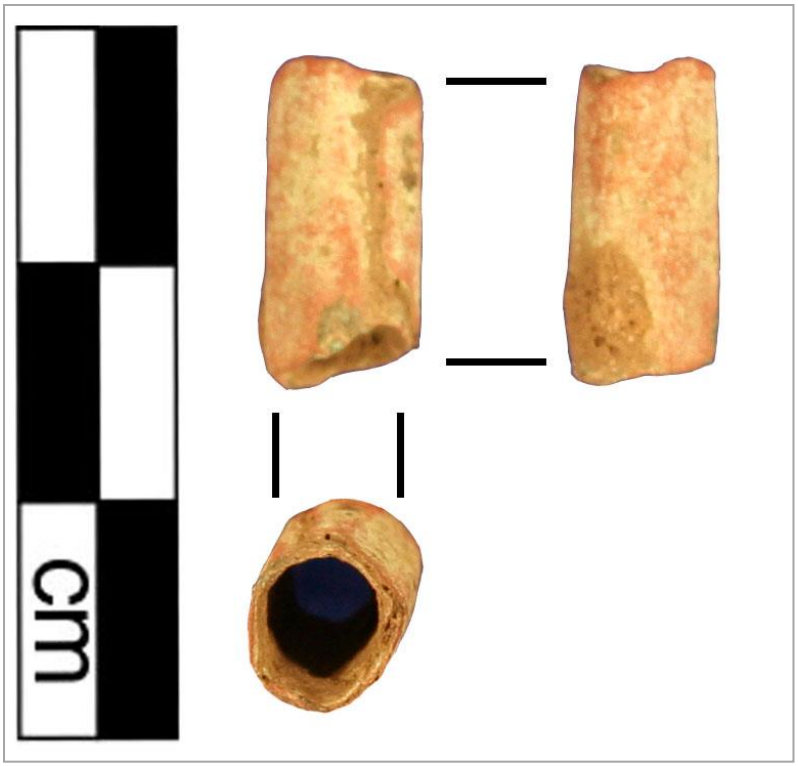
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy

Decorations Present: Present
Decoration Description (if present): Striations/incisions running longitudinally along entire bead's body.
Cross-Section Shape: Polygonal

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 271-260 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:



Artifact: B72-122

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 15.4mm
Seam: 14.24mm
Side Opposite Seam: 14.97mm

Width:
Maximum: 5.8mm
Top Orifice: 3.77mm
Bottom Orifice: 4.36mm

Thickness:
Rolled Over Side: 0.74mm
Side Opposite Seam: 0.52mm

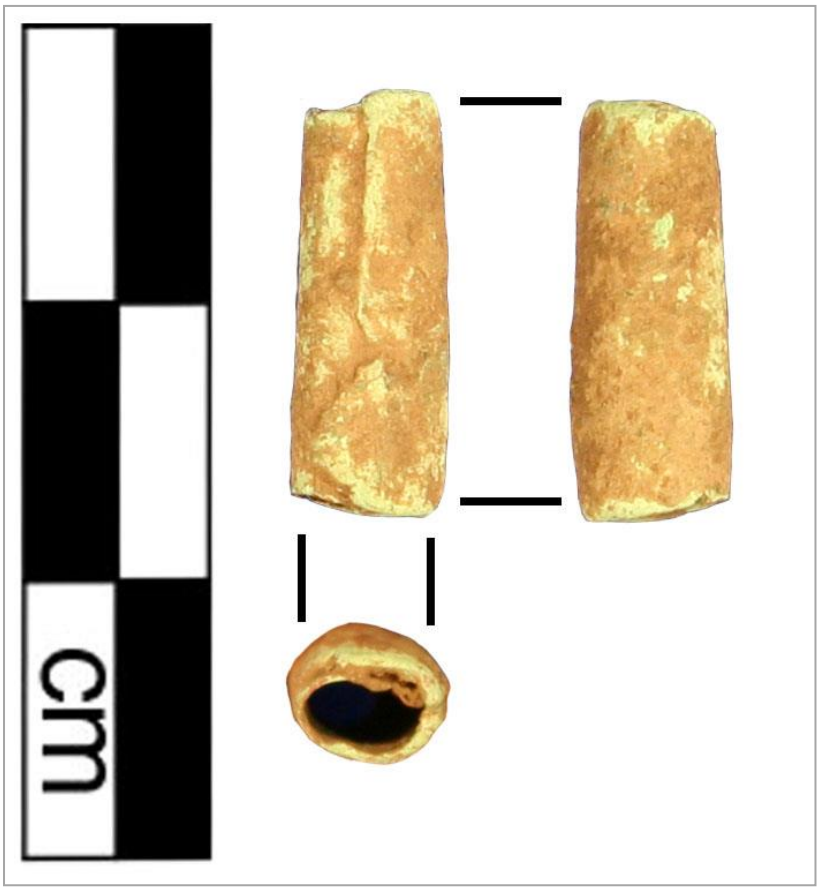
Weight: 0.8g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Type A mostly along edges.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed from use. Polish on rolled over side. Striations/incisions running transversely across bead body, especially by seam edge of rolled over side. Small nick on lower edge of left side. Seam of rolled over edge smoothed against rest of bead body.



Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Present
Decoration Description (if present): Striations/incisions running transversely across bead body, especially by seam edge of rolled over side.
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-123

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 10.74mm
Seam: 8.81mm
Side Opposite Seam: 9.89mm

Width:
Maximum: 5.43mm
Top Orifice: 4.7mm
Bottom Orifice: 3.95mm

Thickness:
Rolled Over Side: 0.26mm
Side Opposite Seam: 0.26mm

Weight: 0.2g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Type A. Type C mostly along edges.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Punch pendant fragment repurposed as a bead? Two punches in bead - one in lower half of rolled over side and top half of side opposite seam. Edges are worn with recessed areas that are either worn nicks from use or were purposely manufactured to be the serpentine sides of a pendant. Seam edge of rolled over side looks to have been broken. Possible incisions/striations running longitudinally along bead body throughout, but especially across seam edge.

Manufacturing Stage/Processes:

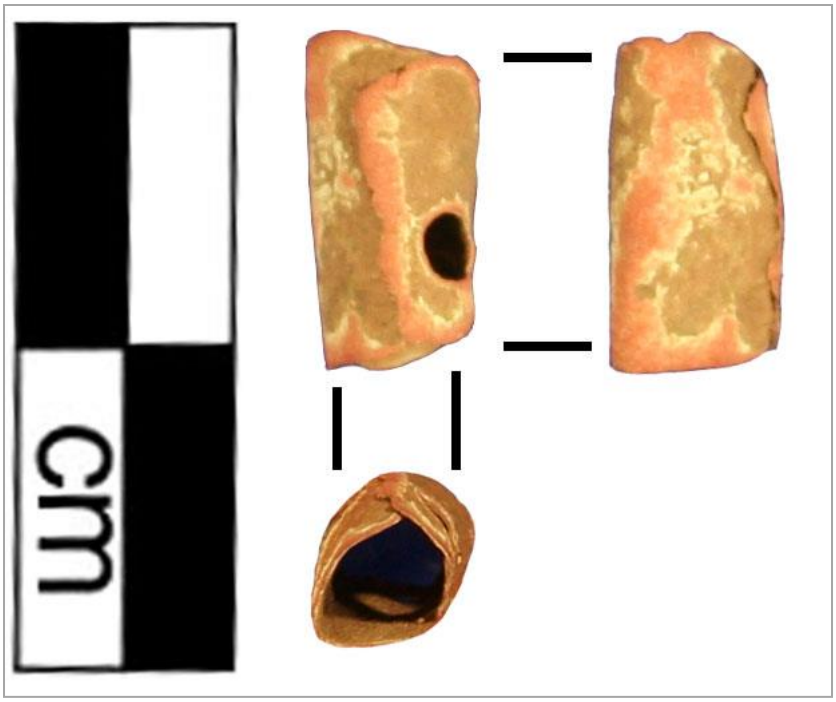
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Present

Decoration Description (if present): Possible incisions/striations running longitudinally along bead body

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments: Punch pendant fragment repurposed as a bead? Has two punches and edges almost look serpentine.



Artifact: B72-124

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 12.13mm
Seam: 9.98mm
Side Opposite Seam: 11.5mm

Width:
Maximum: 5.25mm
Top Orifice: 3.75mm
Bottom Orifice: 4.04mm

Thickness:
Rolled Over Side: 0.44mm
Side Opposite Seam: 0.31mm

Weight: 0.4g

Patina:
Type A: Present on 1-25% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Types A and C along edges.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges slightly worn with worn nicks along edges. Larger worn nicks on top and bottom bead edges of right side and lower edge of left side.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-125

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 13.77mm
Seam: 13.53mm
Side Opposite Seam: 13.2mm

Width:
Maximum: 5.3mm
Top Orifice: 2.97mm
Bottom Orifice: 4.06mm

Thickness:
Rolled Over Side: 0.6mm
Side Opposite Seam: 0.63mm

Weight: 0.8g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Present on 76-100% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and D throughout with accretions and some Type C.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges slightly smoothed from wear. Larger worn nicks at center of top bead edges of rolled under side and side opposite seam and lower edge of left and right sides. Possible striations/incisions running transversely across bead body throughout, though these are difficult to discern due to surface corrosion. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Present

Decoration Description (if present): Possible striations/incisions running transversely across bead body throughout, though these are difficult to discern due to surface corrosion.
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-126

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 9.91mm
Seam: 8.75mm
Side Opposite Seam: 9.88mm

Width:
Maximum: 5.83mm
Top Orifice: 3.44mm
Bottom Orifice: 2.88mm

Thickness:
Rolled Over Side: 0.92mm
Side Opposite Seam: 0.99mm

Weight: 1g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Striations/incisions running transversely across entirety of bead's body. Edges smoothed with wear. Some small cracks in surface, especially one stemming from lower edge of side opposite seam and running to center of left side. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:

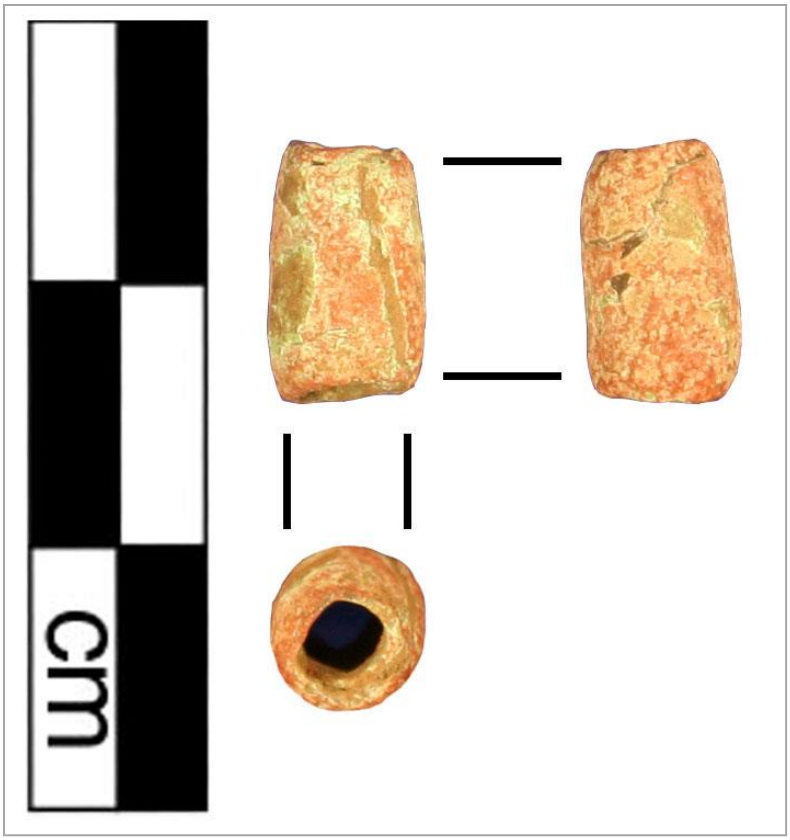
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy

Decorations Present: Present
Decoration Description (if present): Striations/incisions running transversely across entirety of bead's body.
Cross-Section Shape: Square

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:



Artifact: B72-127

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 6.2mm
Seam: 5.48mm
Side Opposite Seam: 5.88mm

Width:
Maximum: 5.45mm
Top Orifice: 2.82mm
Bottom Orifice: 2.76mm

Thickness:
Rolled Over Side: 0.96mm
Side Opposite Seam: 1.1mm

Weight: 0.6g

Patina:

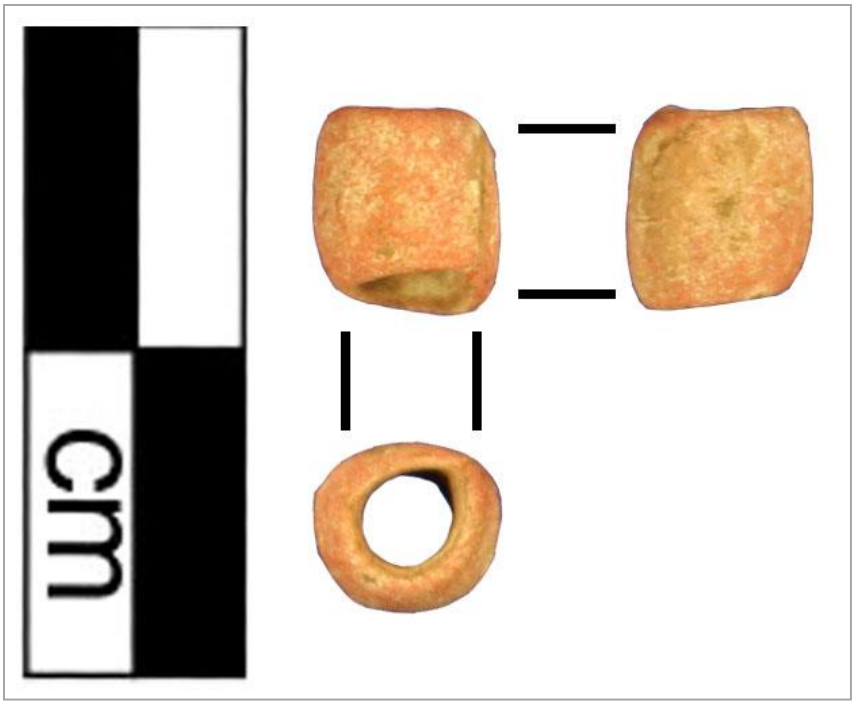
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with some accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges slightly smoothed from wear. Striations running longitudinally along bead body with a couple of deeper incisions on rolled over and right sides. Seam of rolled over edge smoothed against rest of bead body with some possible dark brown material placed between this edge and the rolled under side in order to disguise the seam.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Cross-Section Shape: Oval
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present
Decoration Description (if present): Striations running longitudinally along bead body with a couple of deeper incisions on rolled over and right sides.



Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Flared
Amount of Overlap of Seam Sides: 271-260 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: Globular
Seam Alignment: Flush
General Comments:

Artifact: B72-128

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 7.37mm
Seam: 5.72mm
Side Opposite Seam: 7.56mm

Width:
Maximum: 5.32mm
Top Orifice: 3.13mm
Bottom Orifice: 3.05mm

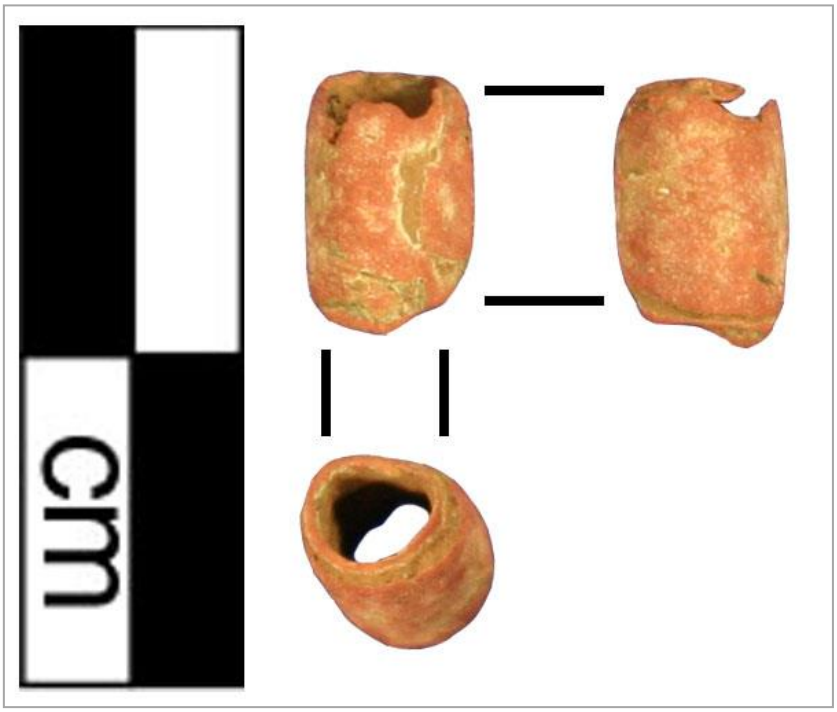
Thickness:
Rolled Over Side: 0.26mm
Side Opposite Seam: 0.69mm

Weight: 0.4g

Patina:
Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with some accretions.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges are worn with some small nicks, especially on upper edge of side opposite seam which has a large crack and nick. Lower edge has worn nick on right side. A couple of incisions run along bead longitudinally near center from rolled over side to side opposite seam. Seam edge is smoothed up against rolled under side. Seam of rolled over edge smoothed against rest of bead body with some possible black material placed between this edge and the rolled under side in order to disguise the seam.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Cross-Section Shape: Oval
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present
Decoration Description (if present): A couple of incisions run along bead longitudinally near center from rolled over side to side opposite seam.



Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 360+ degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments: Blank wrapped at least 1.5 times around.

Artifact: B72-129

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 5.59mm
Seam: 4.61mm
Side Opposite Seam: 5.51mm

Width:
Maximum: 5.87mm
Top Orifice: 2.77mm
Bottom Orifice: 3.13mm

Thickness:
Rolled Over Side: 0.95mm
Side Opposite Seam: 0.98mm

Weight: 0.4g

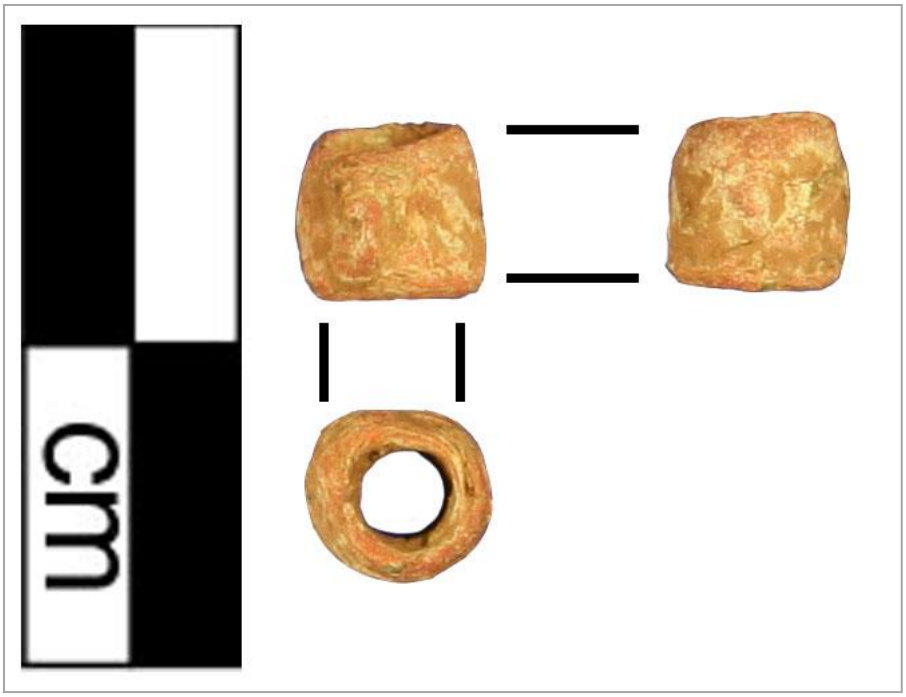
Patina:
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Seam edge is smoothed up against rolled under side. Edges are smoothed. Two incisions running diagonally starting on seam edge of rolled over side to top edge of side opposite seam. Possible polish near seam edge on rolled over side. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present
Decoration Description (if present): Two incisions running diagonally starting on seam edge of rolled over side to top edge of side opposite seam.
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:



Artifact: B72-130

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 11.52mm
Seam: 11.16mm
Side Opposite Seam: 11.18mm

Width:
Maximum: 6.75mm
Top Orifice: 2.89mm
Bottom Orifice: 3.01mm

Thickness:
Rolled Over Side: 0.85mm
Side Opposite Seam: 0.55mm

Weight: 1.2g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present

Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present

Loss:
Broken Piece: Not present
Nicks: Present

Retooling:
Resharpened: Not present
Repaired: Not present

Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

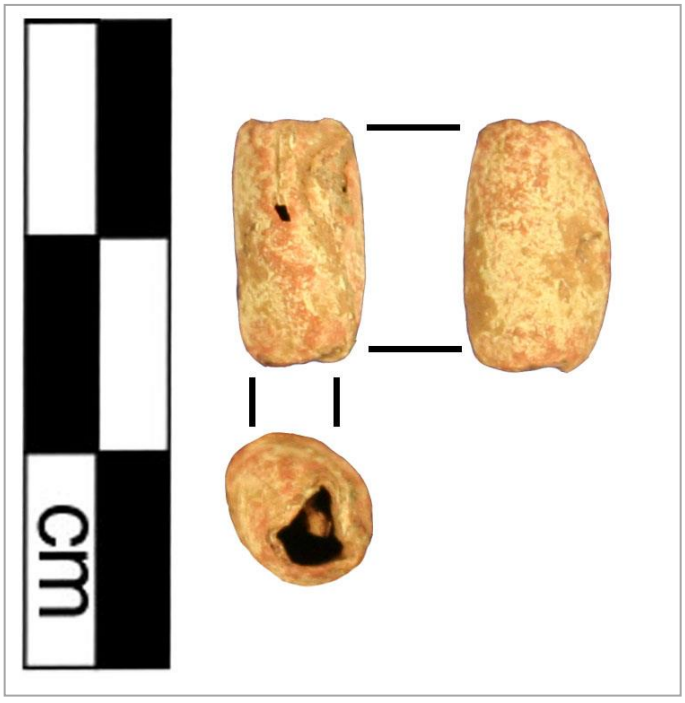
Description of Use-Wear Amount/Location: Rolled under seam edge possibly pinched or section broken off and slightly splayed? Hole near center of rolled under side that appears to be from an impurity in the copper material. Edges are slightly worn and with some small nicks and are bent inwards, especially lower bead edge. Cracks/layered appearance on upper half of rolled under side and rolled over side. Possible striations running transversely across bead's body. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Cross-Section Shape: Square
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy

Decorations Present: Present
Decoration Description (if present): Possible striations running transversely across bead's body.

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - on interior?



Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Indeterminate
Special Shape: No special shape
Seam Alignment: Flush
General Comments: Rolled under seam edge possibly pinched or section broken off and slightly splayed?

Artifact: B72-131

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 7.55mm
Seam: 6.07mm
Side Opposite Seam: 6.44mm

Width:
Maximum: 5.04mm
Top Orifice: 2.29mm
Bottom Orifice: 2.35mm

Thickness:
Rolled Over Side: 0.43mm
Side Opposite Seam: 0.8mm

Weight: 0.4g

Patina:

Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Types A and C mostly along edges.

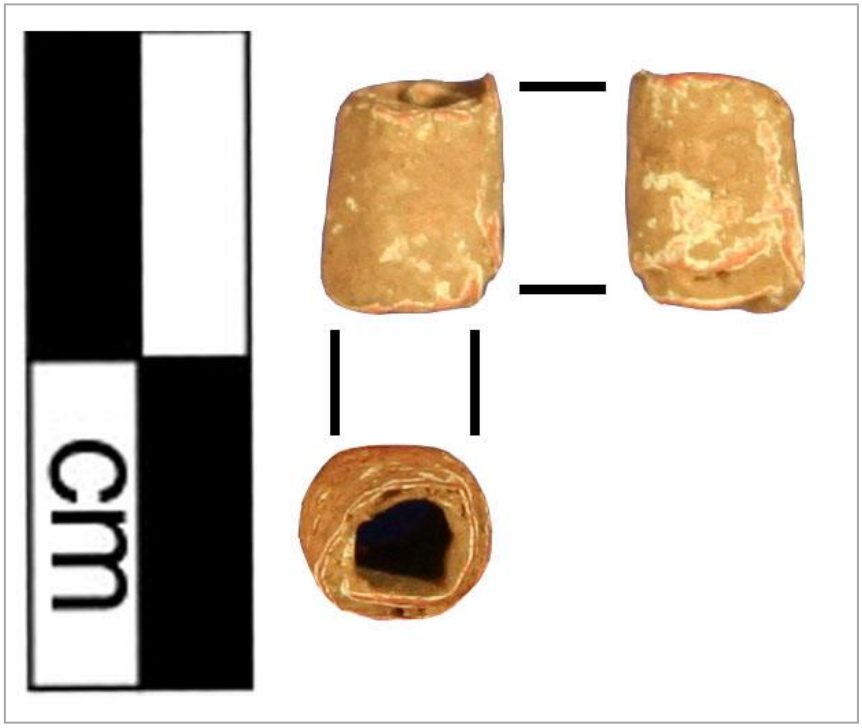
Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges worn with worn nicks. Possible striations running transversely across bead body. Some incisions running longitudinally across bead on rolled over side and right side. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present
Decoration Description (if present): Possible striations running transversely across bead body. Some incisions running longitudinally across bead on rolled over side and right side.
Cross-Section Shape: Square

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - caught between layers of bead's rolled under and rolled over sides?



Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Flared
Amount of Overlap of Seam Sides: 360+ degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-132

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 8.81mm
Seam: 7.18mm
Side Opposite Seam: 8.49mm

Width:
Maximum: 5.1mm
Top Orifice: 2.9mm
Bottom Orifice: 2.34mm

Thickness:
Rolled Over Side: 0.78mm
Side Opposite Seam: 1.01mm

Weight: 0.6g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges smoothed. Worn nick on upper edge of rolled under side. Lower edge bent slightly inward. Incisions on bead surface running diagonally and crossing each other. Seam of rolled over edge smoothed slightly against rest of bead body.

Manufacturing Stage/Processes:

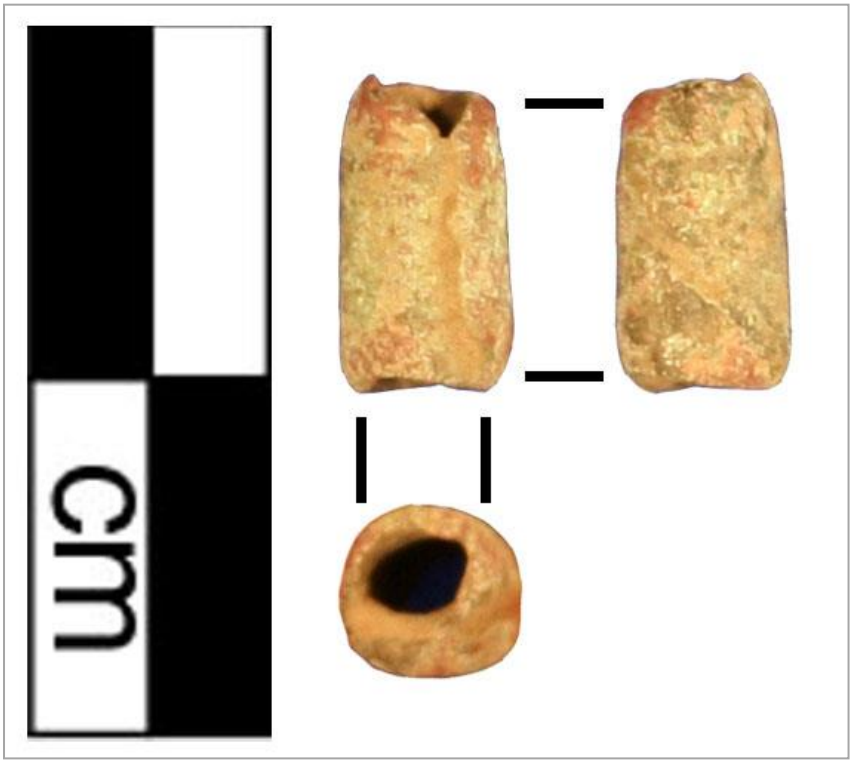
Level of Manufacture: Moderately refined manufactured artifact
Cross-Section Shape: Oval
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded

Decorations Present: Present
Decoration Description (if present): Incisions on bead surface running diagonally and crossing each other.

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Flared
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:



Artifact: B72-134

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 8.39mm
Seam: 3.14mm
Side Opposite Seam: 7.49mm

Width:
Maximum: 4.76mm
Top Orifice: 3.52mm
Bottom Orifice: 3.4mm

Thickness:
Rolled Over Side: 0.36mm
Side Opposite Seam: 0.57mm

Weight: 0.3g

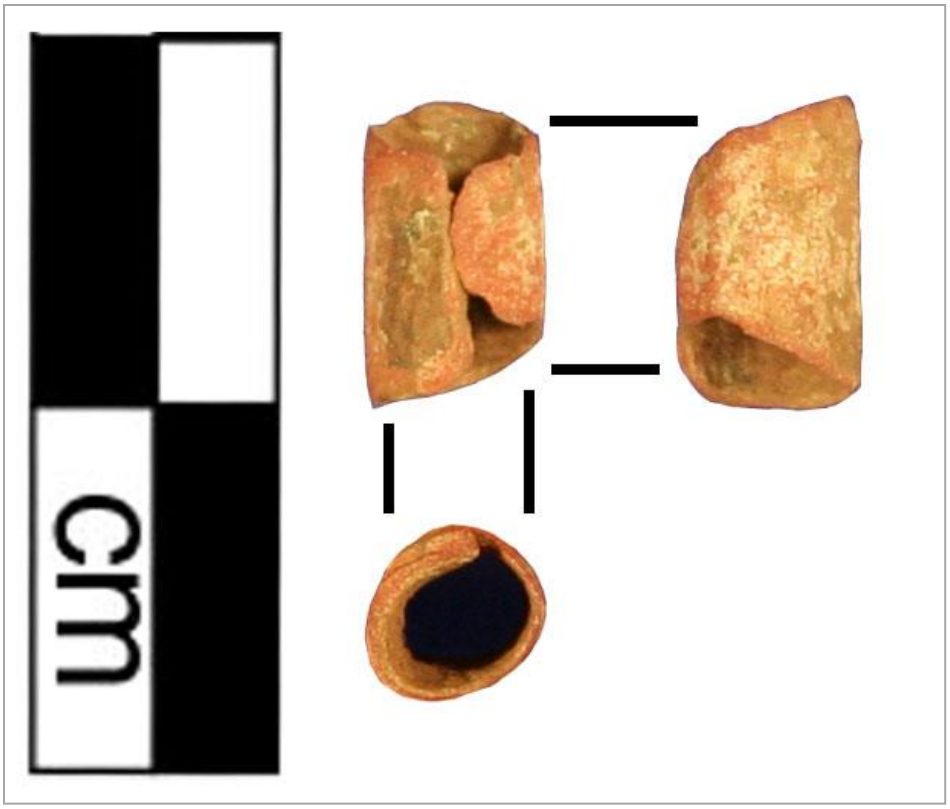
Patina:
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges worn with worn nicks. Large nick on upper edge of left side.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Flared
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments: Rolled under and rolled over sides are just touching.



Artifact: B72-135

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 6.95mm
Seam: 5.96mm
Side Opposite Seam: 6.81mm

Width:
Maximum: 4.85mm
Top Orifice: 3.64mm
Bottom Orifice: 3.5mm

Thickness:
Rolled Over Side: 0.45mm
Side Opposite Seam: 0.36mm

Weight: 0.1g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Type A mostly along edges.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges worn with worn nicks. Large nick on upper edge of left side. Small crack on side opposite seam that created a small hole and separated a tab of material that is bent inward. Possible striations/incisions on rolled over side.

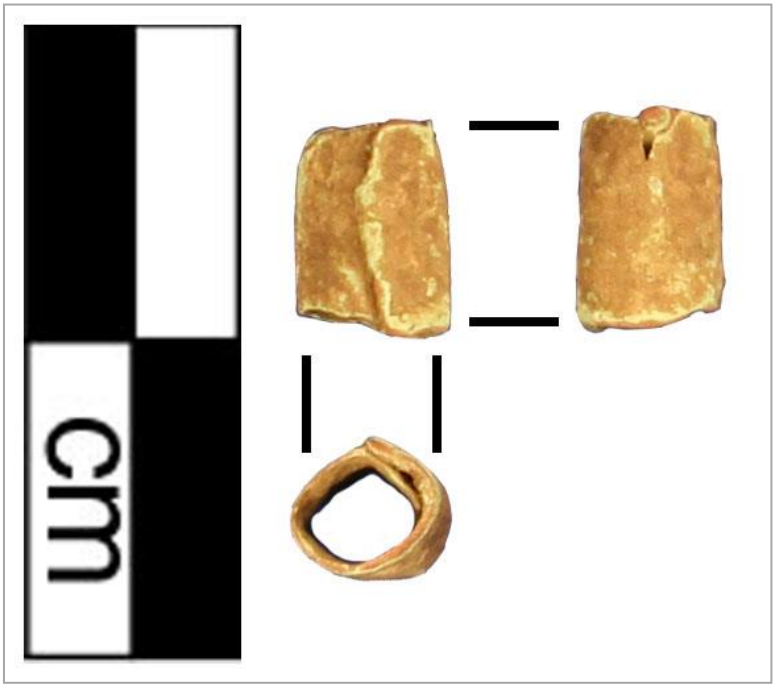
Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present
Decoration Description (if present): Possible striations/incisions on rolled over side.
Cross-Section Shape: Polygonal

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Flared
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments: Edges appear to have been cleanly cut but then later worn down.



Artifact: B72-136

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 14.6mm
Seam: 11.12mm
Side Opposite Seam: 13.5mm

Width:
Maximum: 5.37mm
Top Orifice: 2.98mm
Bottom Orifice: 3.32mm

Thickness:
Rolled Over Side: 0.47mm
Side Opposite Seam: 0.57mm

Weight: 0.8g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges are worn with nicks. Top corner of rolled under side is broken and bent inward. Larger nicks in center of top edge of side opposite seam and on lower edge of right side. Cracks across rolled over side and on lower half of right side. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - caught between layers of bead's rolled under and rolled over sides?

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 271-260 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-137

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 13.3mm
Seam: 12.97mm
Side Opposite Seam: 9.96mm

Width:
Maximum: 6.2mm
Top Orifice: 2.95mm
Bottom Orifice: 2.82mm

Thickness:
Rolled Over Side: 0.86mm
Side Opposite Seam: 0.73mm

Weight: 1.2g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 26-50% of object
Type C: Present on 1-25% of object
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A with accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Polish on rolled over and rolled under side. Edges are smoothed and bent slightly inward. Striations running transversely across bead body. Cracks on surface of upper half of rolled over and rolled under sides may be from portions of blank being folded over and smoothed against rest of bead material. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - caught between layers of bead's rolled under and rolled over sides?

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 271-260 degrees
Rolled Under Seam Edge: Pinched
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-138

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 7.44mm
Seam: 7.03mm
Side Opposite Seam: 6.85mm

Width:
Maximum: 5.76mm
Top Orifice: 2.23mm
Bottom Orifice: 2.16mm

Thickness:
Rolled Over Side: 1.17mm
Side Opposite Seam: 1.11mm

Weight: 0.8g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A with accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Seam is extremely smoothed against rest of body and almost indistinguishable. Edges are smoothed. Incisions on rolled under side, which are possibly decorative. Striations running transversely across bead body. Seam of rolled over edge smoothed against rest of bead body with some possible material placed between this edge and the rolled under side in order to disguise the seam.

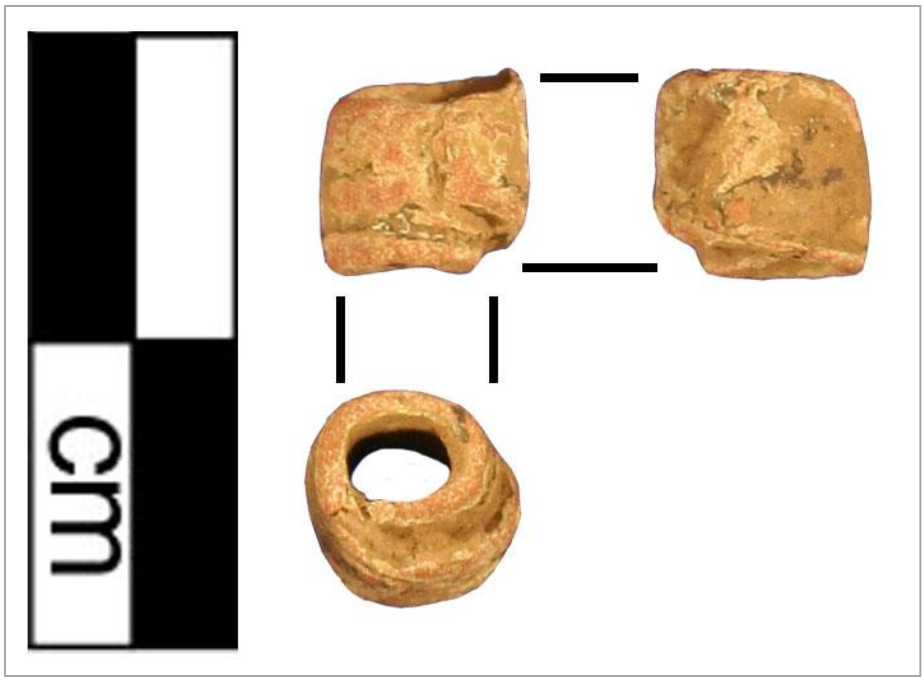
Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth
Decorations Present: Present
Decoration Description (if present): Incisions on rolled under side, which are possibly decorative. Striations running transversely across bead body.
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:



Artifact: B72-139

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 6.59mm
Seam: 5.2mm
Side Opposite Seam: 6.08mm

Width:
Maximum: 6.39mm
Top Orifice: 3.08mm
Bottom Orifice: 2.53mm

Thickness:
Rolled Over Side: 0.65mm
Side Opposite Seam: 1.08mm

Weight: 0.8g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 26-50% of object
Type E: Not present

Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object

Total Surface Area with Patina/Corrosion: Present on 76-100% of object

Location of Patina/Corrosion: Types A and C throughout with accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Not present
Incisions: Present

Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present

Loss:
Broken Piece: Not present
Nicks: Present

Retooling:
Resharpened: Not present
Repaired: Not present

Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges are smoothed. Top edge of rolled over side has been worn down and has an area of loss. Two incisions running longitudinally along bead body on lower half. Possible polish on rolled over side. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:

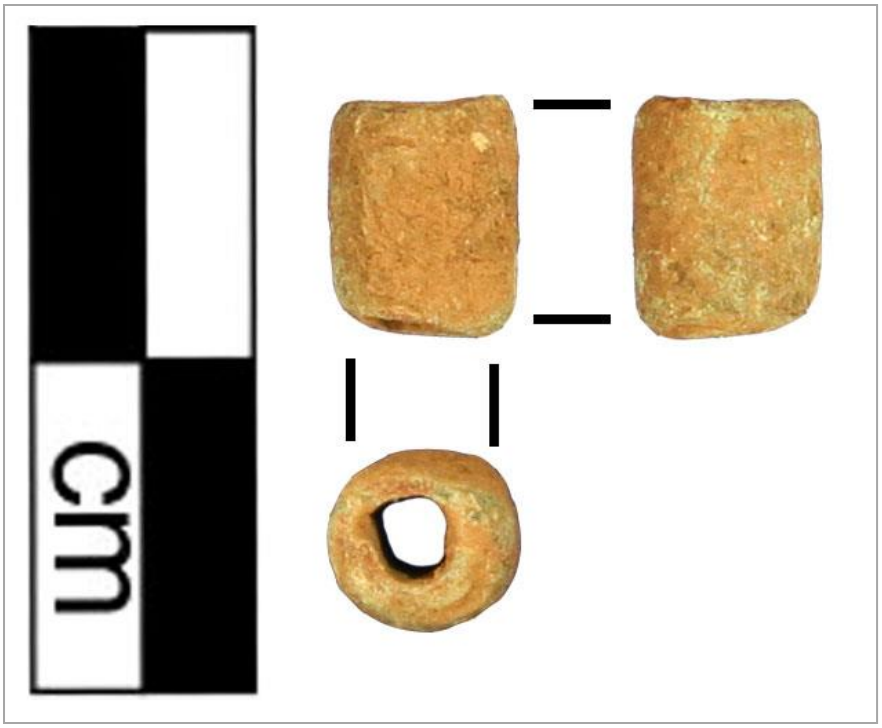
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy

Decorations Present: Present
Decoration Description (if present): Two incisions running longitudinally along bead body on lower half.
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: Globular
Seam Alignment: Askew
General Comments: Slightly globular.



Artifact: B72-140

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 8.88mm
Seam: 5.45mm
Side Opposite Seam: 8.23mm

Width:
Maximum: 7.56mm
Top Orifice: 4.03mm
Bottom Orifice: 4.22mm

Thickness:
Rolled Over Side: 0.96mm
Side Opposite Seam: 1.18mm

Weight: 1.3g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A throughout with accretions. Type C along edges.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Not present
Incisions: Present

Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present

Loss:
Broken Piece: Not present
Nicks: Present

Retooling:
Resharpened: Not present
Repaired: Not present

Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges are slightly worn. Lower edge of rolled over side has nick worn into it. Cracks along edges, probably from fold over hammered manufacturing. Incisions run longitudinally along rolled over side and right side.

Manufacturing Stage/Processes:

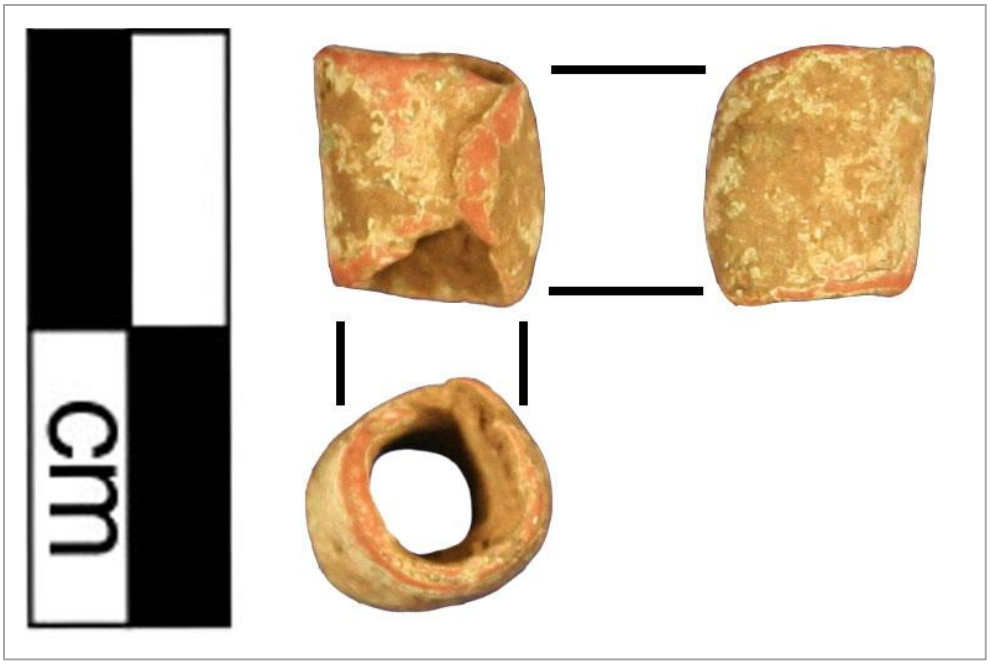
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded

Decorations Present: Present
Decoration Description (if present): Incisions run longitudinally along rolled over side and right side.
Cross-Section Shape: Square

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: Globular
Seam Alignment: Askew
General Comments: Slightly globular.



Artifact: B72-141

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 7.54mm
Seam: 7.4mm
Side Opposite Seam: 6.56mm

Width:
Maximum: 6.83mm
Top Orifice: 2.93mm
Bottom Orifice: 3.71mm

Thickness:
Rolled Over Side: 1.1mm
Side Opposite Seam: 1.49mm

Weight: 1.3g

Patina:

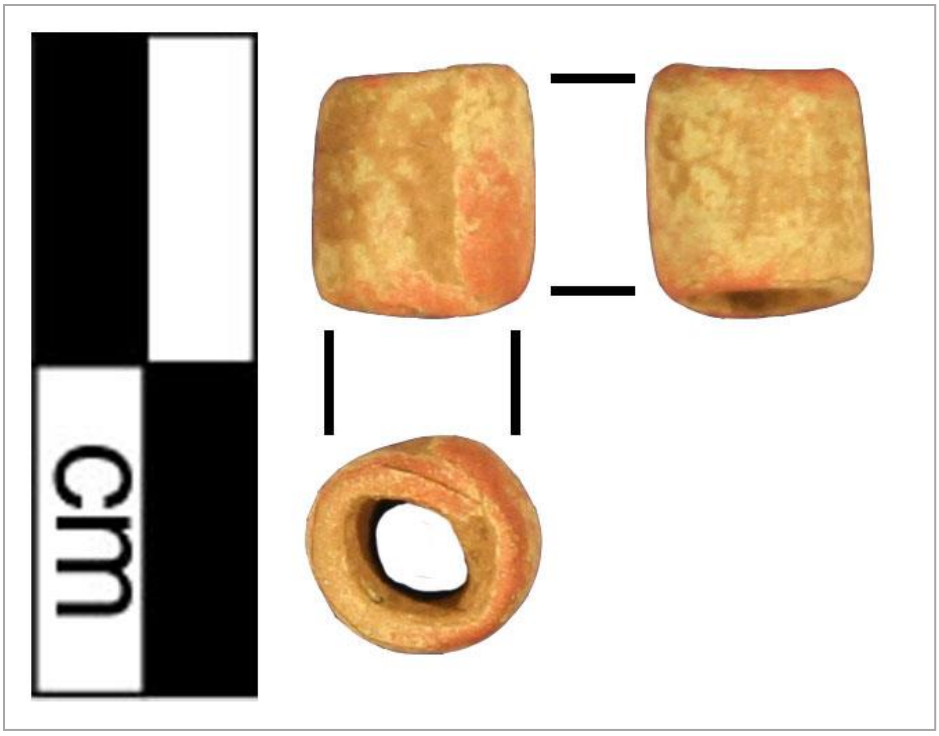
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout with some Type C.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges slightly smoothed. Striations running transversely across side opposite seam. A couple of incisions running longitudinally near center of rolled under side. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth
Decorations Present: Present
Decoration Description (if present): A couple of incisions running longitudinally near center of rolled under side.
Cross-Section Shape: Oval



Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-142

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 8.16mm
Seam: 6.38mm
Side Opposite Seam: 8.16mm

Width:
Maximum: 4.89mm
Top Orifice: 2.3mm
Bottom Orifice: 3.05mm

Thickness:
Rolled Over Side: 0.91mm
Side Opposite Seam: 0.94mm

Weight: 0.6g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Type A. Type C mostly along edges.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Possible incisions running longitudinally along entire bead. Possible polish on rolled over side. Rolled over side seam smoothed against bead's body. Worn nick on upper edge of rolled under side. Surface has some slight cracks throughout, probably from rolled over hammered manufacturing.

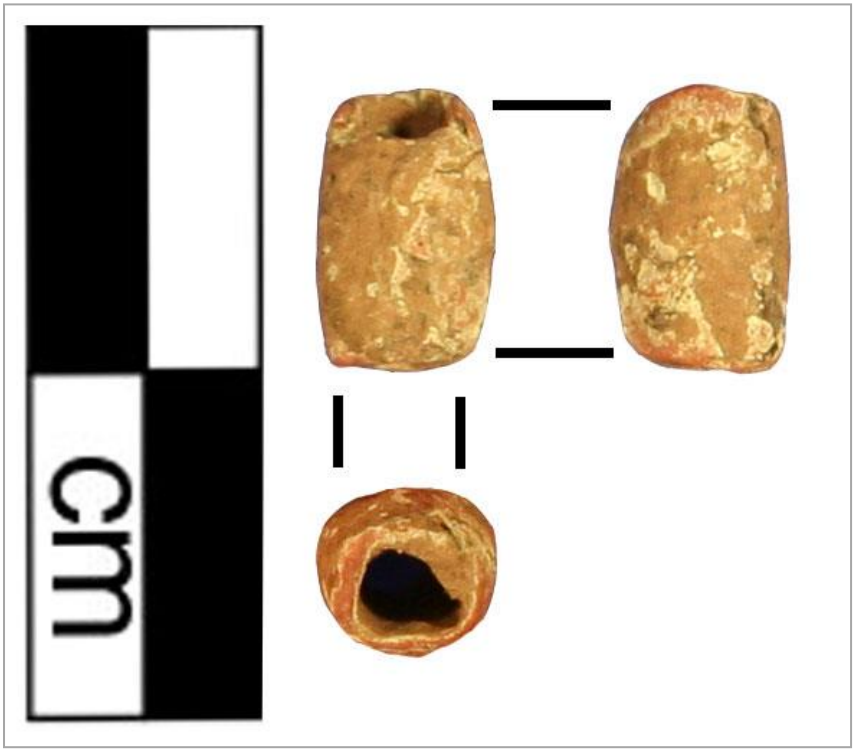
Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy

Decorations Present: Present
Decoration Description (if present): Possible incisions running longitudinally along entire bead.
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:



Artifact: B72-143

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 6.03mm
Seam: 5.62mm
Side Opposite Seam: 5.48mm

Width:
Maximum: 4.31mm
Top Orifice: 2.84mm
Bottom Orifice: 2.05mm

Thickness:
Rolled Over Side: 0.88mm
Side Opposite Seam: 0.8mm

Weight: 0.3g

Patina:

Type A: Present on 1-25% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 26-50% of object
Type E: Not present

Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object

Total Surface Area with Patina/Corrosion: Present on 76-100% of object

Location of Patina/Corrosion: Accretions throughout with some Type D. Type A mostly along edges.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present

Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present

Loss:
Broken Piece: Not present
Nicks: Present

Retooling:
Resharpened: Not present
Repaired: Not present

Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Rolled over seam edge is smoothed over and covered with accretions. Edges are worn with some possible polish. Possible polish on surface and striations running transversely across bead body. Worn nick on upper edge of side opposite seam. Seam of rolled over edge smoothed against rest of bead body.

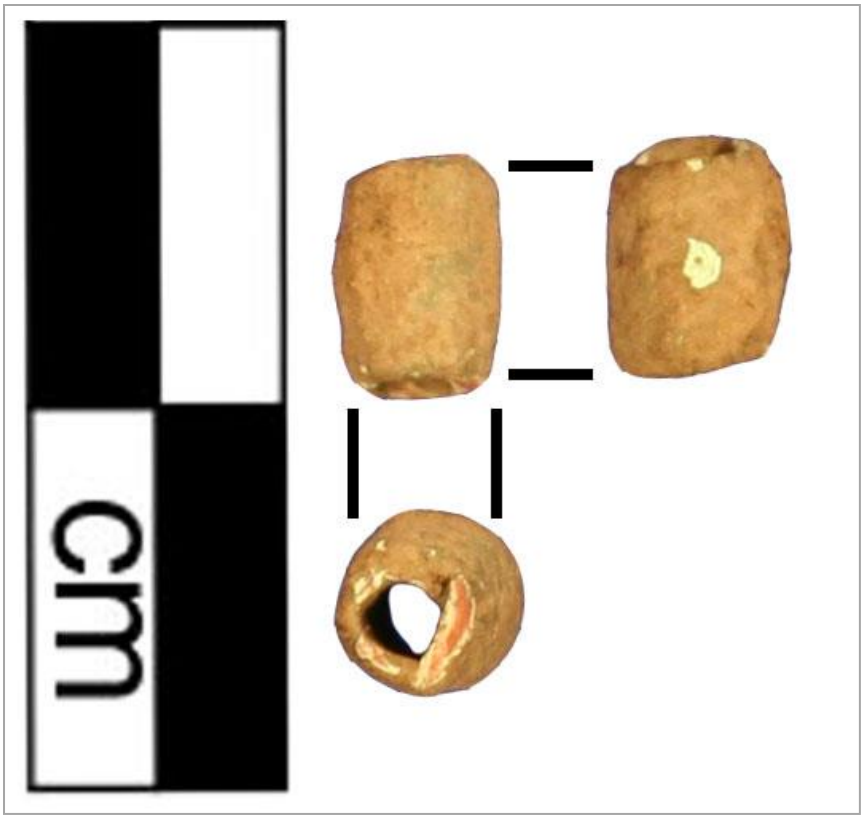
Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: 5
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Pinched
Special Shape: No special shape
Seam Alignment: Flush
General Comments:



Artifact: B72-144

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 10.45mm
Seam: 8.36mm
Side Opposite Seam: 9.85mm

Width:
Maximum: 3.71mm
Top Orifice: 2.56mm
Bottom Orifice: 2.43mm

Thickness:
Rolled Over Side: 0.37mm
Side Opposite Seam: 0.81mm

Weight: 0.3g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 26-50% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout.

Manufacturing Marks and/or Use-Wear:

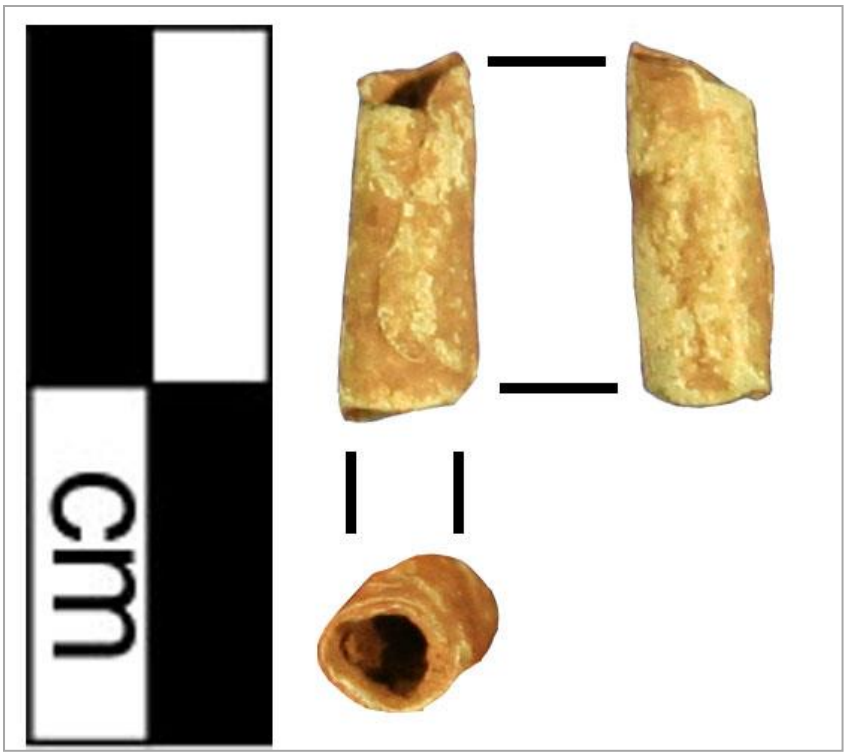
Stress Damage:
Mushrooming/Splaying: Present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges slightly worn with some nicks. Top edge of left side is splayed outward. Incisions/striations running transversely across body of side opposite seam and rolled under side. Some incisions running longitudinally near center of right side and side opposite seam. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Cross-Section Shape: Square
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present
Decoration Description (if present): Some incisions running longitudinally near center of right side and side opposite seam.

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - on interior?



Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Indeterminate
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-145

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 10.42mm
Seam: N/Amm
Side Opposite Seam: 8.21mm

Width:
Maximum: 4.87mm
Top Orifice: 2.47mm
Bottom Orifice: 3.74mm

Thickness:
Rolled Over Side: 0.38mm
Side Opposite Seam: 0.85mm

Weight: 0.3g

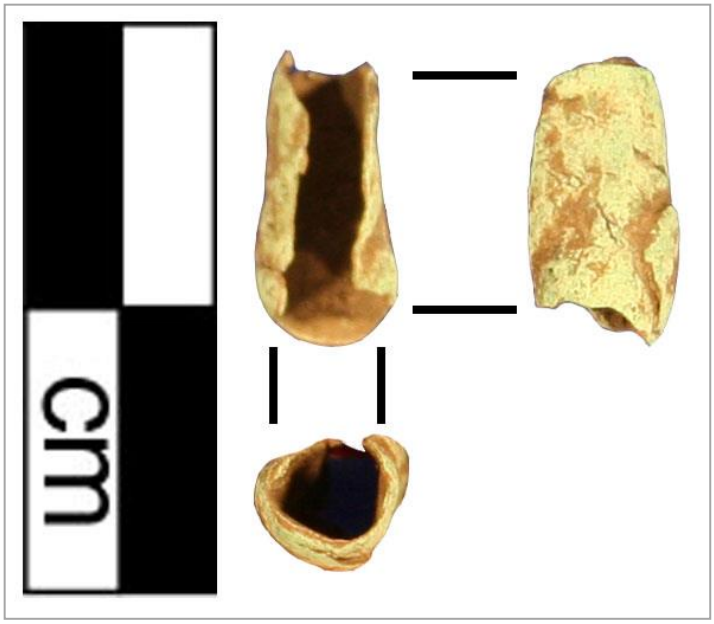
Patina:
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A throughout with some accretions.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Object has large gap between break that is roughly 2mm wide and runs transversely across bead body. There is also a small attached piece next to this gap and may be a portion of the rolled over side, though it cannot be certain. Edges are worn and slightly bent inward. Some irregular incisions near one edge of gap, probably not decorative. This area also has some slight polish.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: 5
Amount of Overlap of Seam Sides: Seam sides not touching
Rolled Under Seam Edge: Indeterminate
Special Shape: No special shape
Seam Alignment: Askew
General Comments: Object has large gap between break that is roughly 2mm wide and runs transversely across bead body. There is also a small attached piece next to this gap and may be a portion of the rolled over side, though it cannot be certain.



Artifact: B72-146

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 7.39mm
Seam: 5.65mm
Side Opposite Seam: 4.9mm

Width:
Maximum: 4.65mm
Top Orifice: 2.61mm
Bottom Orifice: 3.33mm

Thickness:
Rolled Over Side: 0.55mm
Side Opposite Seam: 0.51mm

Weight: 0.3g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 26-50% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Top edge of side opposite seam and left side slightly splayed. Top edge of right side is cracked and a portion is bent inward. Edges are smoothed from wear. Possible incisions running longitudinally along entire bead body. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded

Decorations Present: Present
Decoration Description (if present): Possible incisions running longitudinally along entire bead body.
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-147

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 7.83mm
Seam: 6.54mm
Side Opposite Seam: 7.52mm

Width:
Maximum: 5mm
Top Orifice: 2.61mm
Bottom Orifice: 2.93mm

Thickness:
Rolled Over Side: 0.69mm
Side Opposite Seam: 0.75mm

Weight: 0.4g

Patina:
Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges are worn, especially top right edge which is extremely worn down. Cracks on surface, probably from fold over hammered manufacturing. Some irregular incisions on rolled under side that do not seem intentional enough to be decorative. Some possible polish on rolled under side.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments: Rolled over side is pinched on very end of seam edge like rolled under seam often looks like.

Artifact: B72-148

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 7.47mm
Seam: 3.37mm
Side Opposite Seam: 5.79mm

Width:
Maximum: 5.91mm
Top Orifice: 4.14mm
Bottom Orifice: 4.49mm

Thickness:
Rolled Over Side: 0.37mm
Side Opposite Seam: 0.65mm

Weight: 0.2g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with some accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Possibly flattened after manufacture? Edges slightly worn. Crack running parallel to edge near upper edge of left side. Seam of rolled over edge smoothed against rest of bead body.

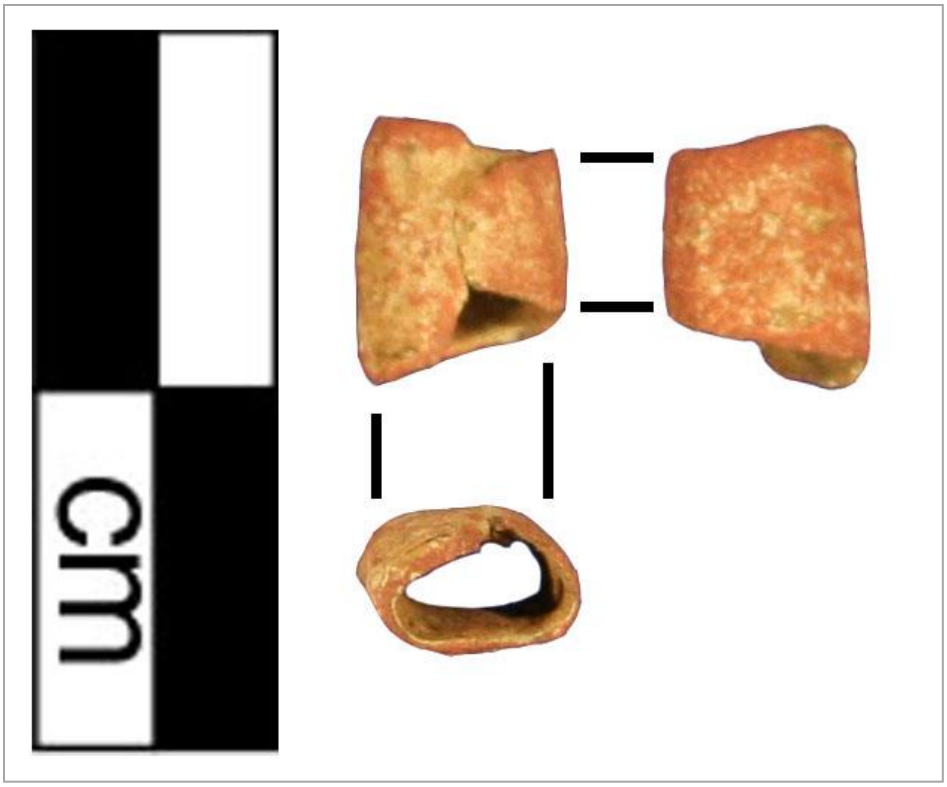
Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Cross-Section Shape: Oval
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Not present
Decoration Description (if present):

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:



Artifact: B72-149

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 11.55mm
Seam: 9.49mm
Side Opposite Seam: 9.9mm

Width:
Maximum: 3.79mm
Top Orifice: 2.14mm
Bottom Orifice: 2.4mm

Thickness:
Rolled Over Side: 0.51mm
Side Opposite Seam: 0.61mm

Weight: 0.5g

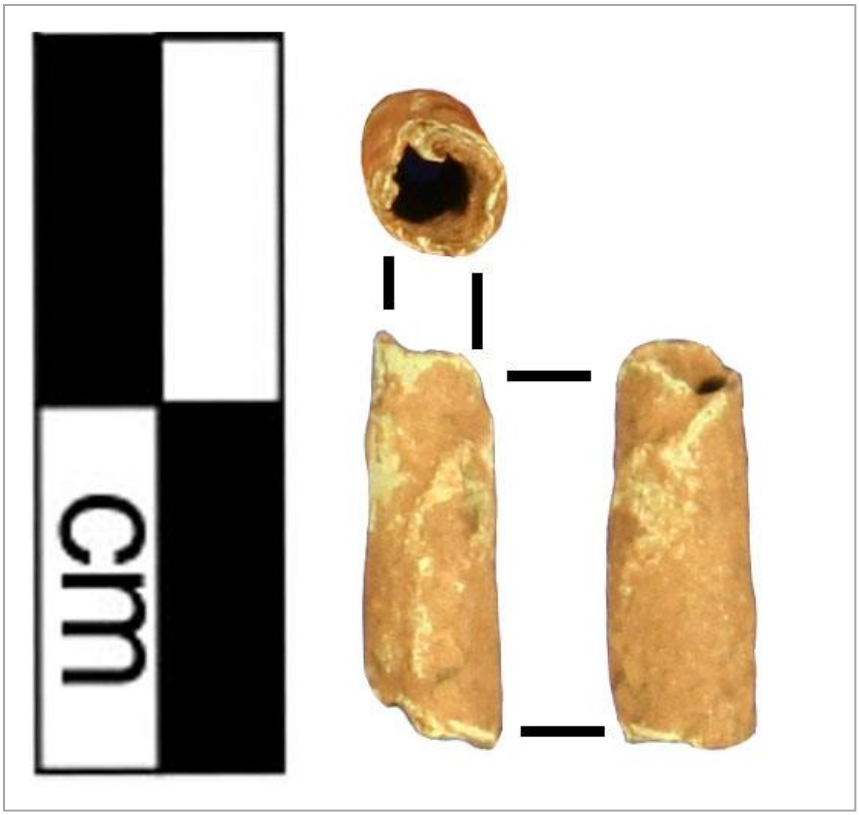
Patina:
Type A: Present on 51-75% of object
Type B: Present on 26-50% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Lower corner of rolled over side is bent inward. Lower left edge has large nicks with a portion of material bent inward. Nick in upper right side. Edges are worn. Area of polish on upper half of rolled over side. Seam of rolled over edge slightly smoothed against rest of bead body.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Indeterminate
Special Shape: No special shape
Seam Alignment: Askew
General Comments:



Artifact: B72-150

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 9.06mm
Seam: 7.45mm
Side Opposite Seam: 8.18mm

Width:
Maximum: 5.31mm
Top Orifice: 3.17mm
Bottom Orifice: 3.13mm

Thickness:
Rolled Over Side: 0.32mm
Side Opposite Seam: 0.52mm

Weight: 0.3g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout. Type C mostly on rolled over side.

Manufacturing Marks and/or Use-Wear:

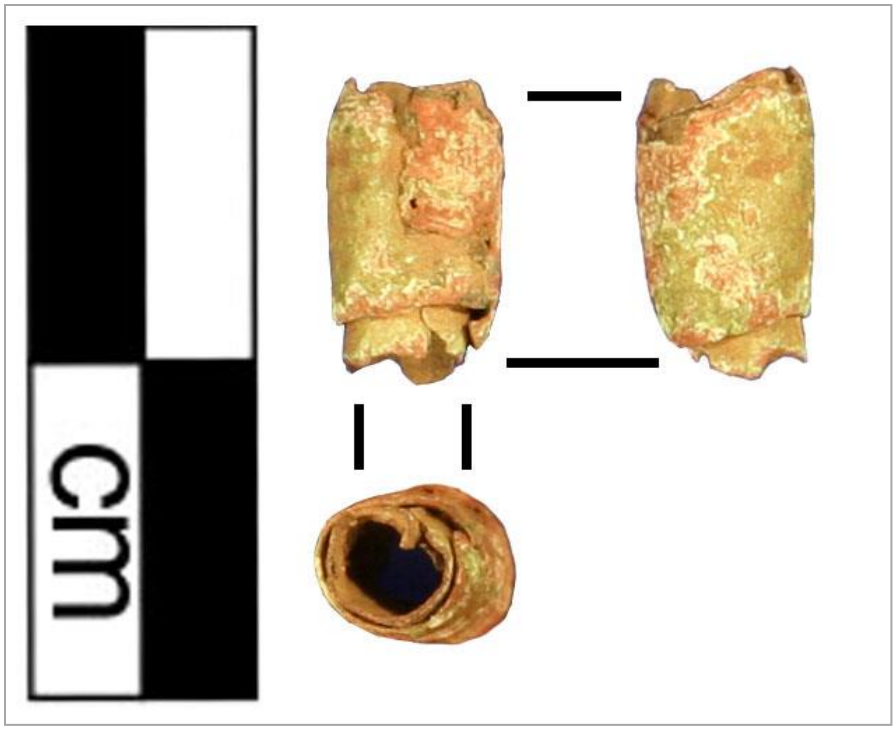
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges are worn and have many nicks. Larger nicks on top edge of right side and lower edge of side opposite seam. Portions of both edges bent inward. Possible striations/incisions running transversely across bead body on side opposite seam.

Manufacturing Stage/Processes:

Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present
Decoration Description (if present): Possible striations/incisions running transversely across bead body on side opposite seam.
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 360+ degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:



Artifact: B72-151

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 10.94mm
Seam: 8.45mm
Side Opposite Seam: 9.51mm

Width:
Maximum: 5.17mm
Top Orifice: 3.49mm
Bottom Orifice: 4.12mm

Thickness:
Rolled Over Side: 0.43mm
Side Opposite Seam: 0.34mm

Weight: 0.2g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 76-100% of object
Type C: Not present
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout.

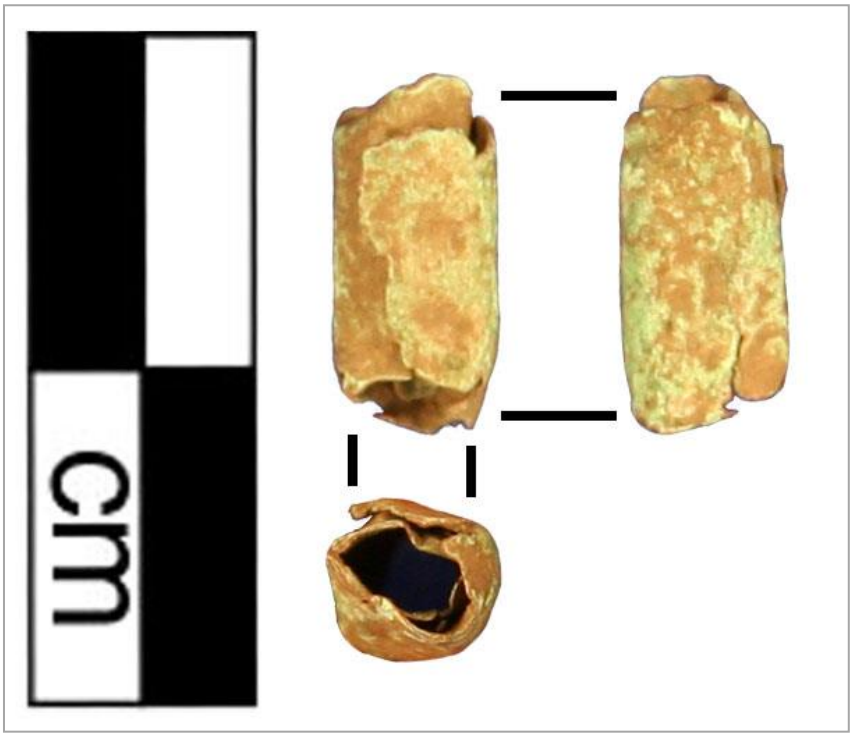
Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Rolled over side is slightly splayed from rest of body. Edges are worn. Lower edge has nicks and cracks. Upper edge is bent inward on left edge. Striations/incisions running transverse to bead's body on rolled over side and right side. Rolled over side also has some polish.

Manufacturing Stage/Processes:

Level of Manufacture: Roughly manufactured artifact
Cross-Section Shape: Triangular
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present
Decoration Description (if present): Striations/incisions running transverse to bead's body on rolled over side and right side

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N



Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 271-260 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-152

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 9.13mm
Seam: 7.96mm
Side Opposite Seam: 8.82mm

Width:
Maximum: 3.89mm
Top Orifice: 2.53mm
Bottom Orifice: 1.96mm

Thickness:
Rolled Over Side: 0.37mm
Side Opposite Seam: 0.46mm

Weight: 0.2g

Patina:

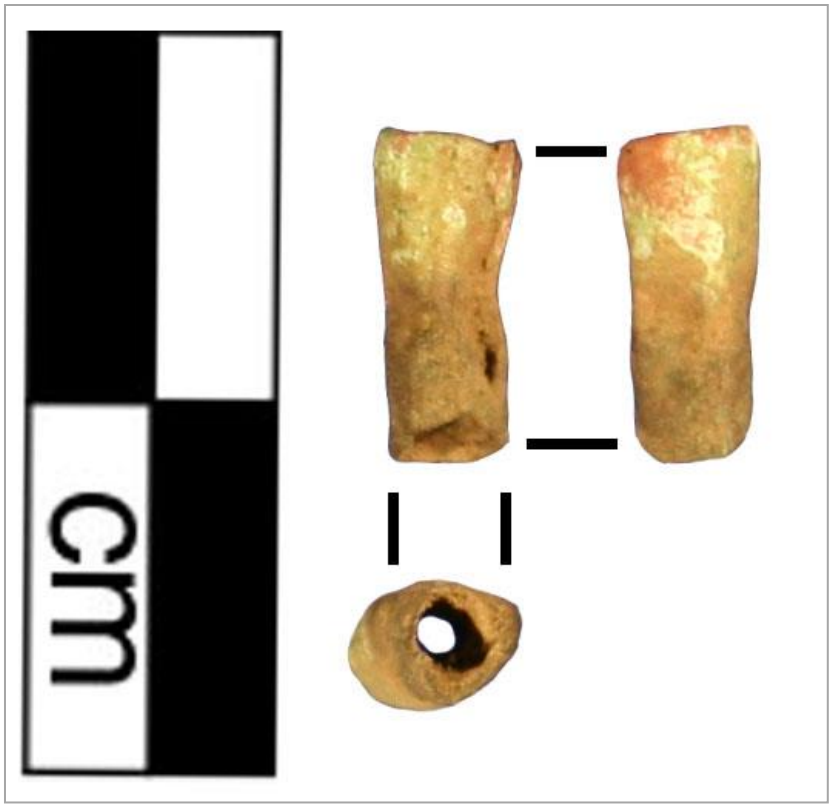
Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Present on 51-75% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout. Types A and C on upper half and lower half is covered in Type D.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Lower half almost looks like it was burnt. Edges smooth. Body of lower half bent inward in multiple areas. Possible striations/incisions running longitudinally along bead's body on upper half of rolled over and right sides. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present
Decoration Description (if present): Possible striations/incisions running longitudinally along bead's body on upper half of rolled over and right sides.
Cross-Section Shape: Oval



Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - on interior?

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-153

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 6.26mm
Seam: 6.18mm
Side Opposite Seam: 6.07mm

Width:
Maximum: 3.52mm
Top Orifice: 2.35mm
Bottom Orifice: 2.26mm

Thickness:
Rolled Over Side: 0.53mm
Side Opposite Seam: 0.49mm

Weight: 0.2g

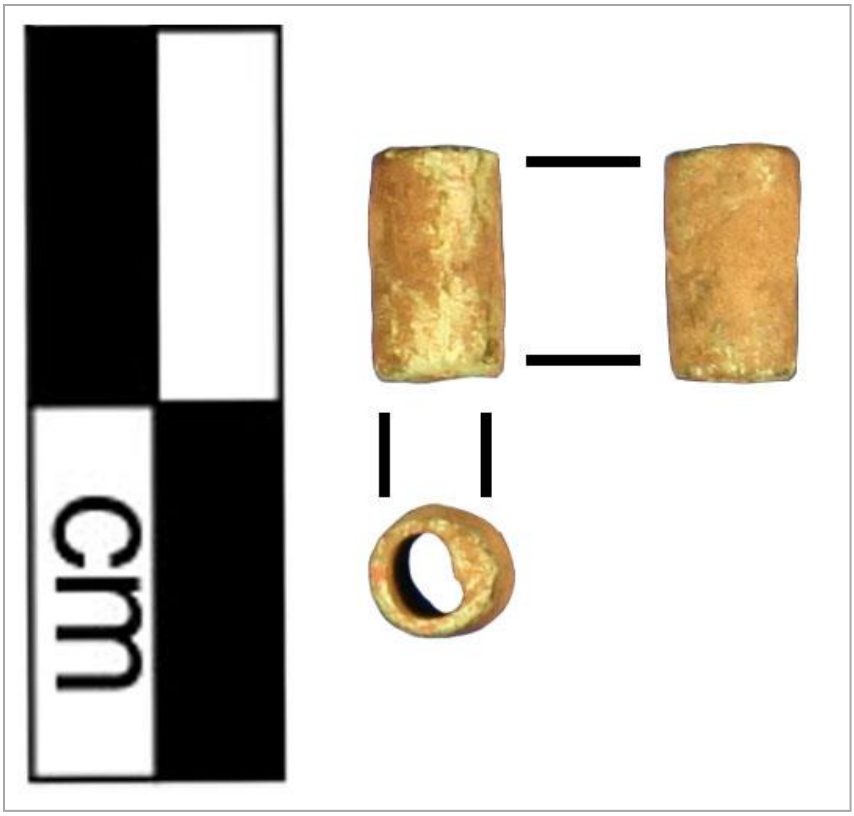
Patina:
Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with some Type A.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Bead edges are smooth with some areas of polish. Side opposite seam has polish and incisions and striations running transversely across bead's body. Rest of bead surface may have incisions/striations, but accretions are too thick to determine this. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth
Decorations Present: Present
Decoration Description (if present): Side opposite seam has incisions and striations running transversely across bead's body.
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: 5
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:



Artifact: B72-154

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 8.43mm
Seam: 7.29mm
Side Opposite Seam: 7.83mm

Width:
Maximum: 7.32mm
Top Orifice: 3.06mm
Bottom Orifice: 2.98mm

Thickness:
Rolled Over Side: 0.92mm
Side Opposite Seam: 1.23mm

Weight: 1.6g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 51-75% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Present

Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present

Loss:
Broken Piece: Not present
Nicks: Present

Retooling:
Resharpened: Not present
Repaired: Not present

Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges are smoothed with some polish. Upper edge of rolled over side has been worn down slightly. Polish and cross-hatched incised designs on rolled over side and right side. Rest of surface has accretions, but appears to also have striations and/or incisions. Seam of rolled over edge smoothed against rest of bead body.

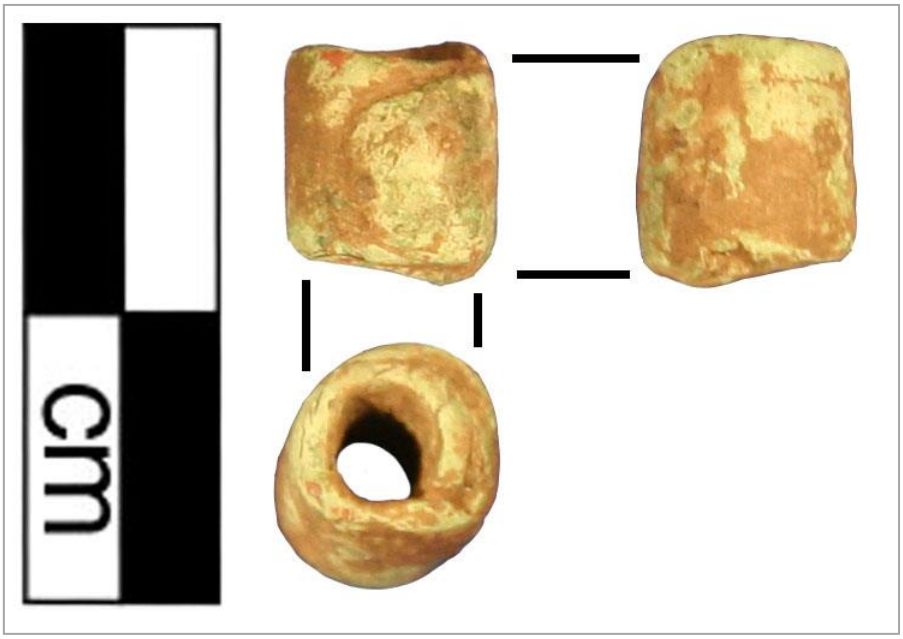
Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present

Decoration Description (if present): Polish and cross-hatched incised designs on rolled over side and right side. Rest of surface has accretions, but appears to also have striations and/or incisions.
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:



Artifact: B72-155

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 4.01mm
Seam: 3.36mm
Side Opposite Seam: 3.81mm

Width:
Maximum: 5.09mm
Top Orifice: 1.95mm
Bottom Orifice: 2.76mm

Thickness:
Rolled Over Side: 1.34mm
Side Opposite Seam: 1.59mm

Weight: 0.4g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges slightly smoothed. Seam edge smoothed down to be flush with rest of bead body and seam edge is now almost indistinguishable. Incision running longitudinally near center along entire bead body. Seam of rolled over edge smoothed against rest of bead body with some possible black material placed between this edge and the rolled under side in order to disguise the seam.

Manufacturing Stage/Processes:

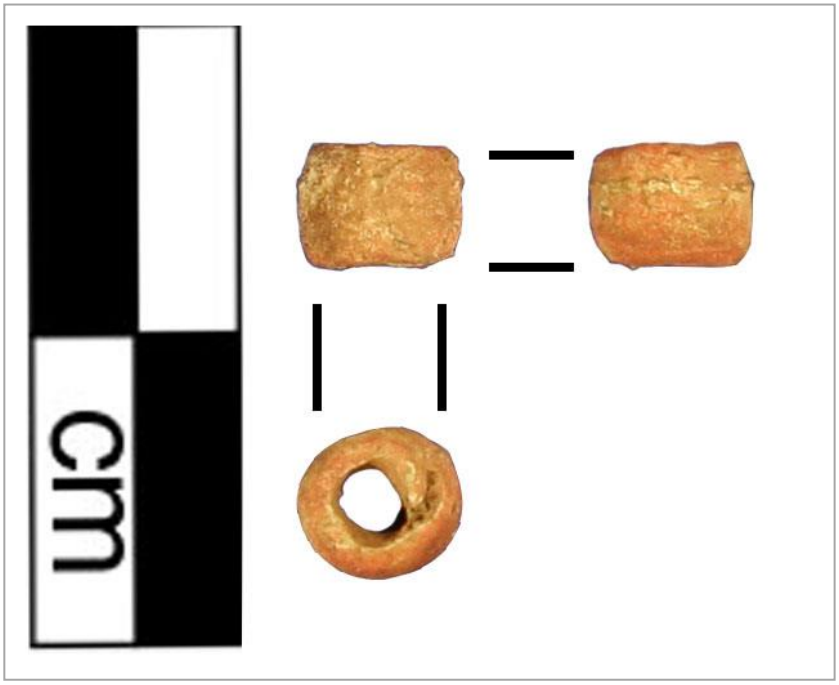
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth

Decorations Present: Present
Decoration Description (if present): Incision running longitudinally near center along entire bead body.
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: Globular
Seam Alignment: Flush
General Comments:



Artifact: B72-156

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 13.85mm
Seam: 13.03mm
Side Opposite Seam: 13.32mm

Width:
Maximum: 6.95mm
Top Orifice: 3.24mm
Bottom Orifice: 5.25mm

Thickness:
Rolled Over Side: 0.76mm
Side Opposite Seam: 0.67mm

Weight: 1.5g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 51-75% of object
Type C: Present on 1-25% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and B throughout with accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges worn and bent slightly inward. Worn nick in center of lower edge of side opposite seam. Possible incised decorations and polish on side opposite seam. Small cracks throughout surface, but are probably from fold over hammered manufacturing. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:

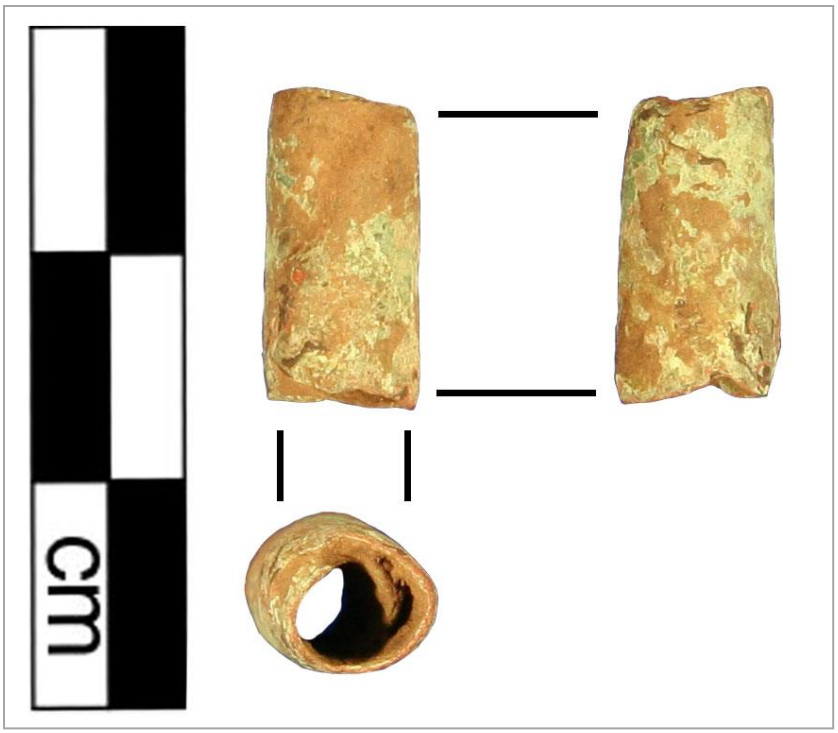
Level of Manufacture: Moderately refined manufactured artifact
Cross-Section Shape: Oval
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy

Decorations Present: Present
Decoration Description (if present): Possible incised decorations on side opposite seam.

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 271-260 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:



Artifact: B72-157

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 10.31mm
Seam: 8.44mm
Side Opposite Seam: 10.06mm

Width:
Maximum: 6.35mm
Top Orifice: 5.78mm
Bottom Orifice: 4.91mm

Thickness:
Rolled Over Side: 0.45mm
Side Opposite Seam: 0.37mm

Weight: 0.5g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 51-75% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and B throughout with accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Present
Curation: Not present

Description of Use-Wear Amount/Location: Possible repurposed broken pendant? Damage on lower edge of rolled over side might be the punch of the original pendant. Seam edge of rolled over side looks like it could be a broken head of pendant or was cut. Upper half of seam edge of rolled over side is slightly splayed from bead's body. Edges are smoothed with some polish and are slightly bent inward. Possible striations running longitudinally across bead's body, but surface deterioration makes it difficult to observe.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth
Decorations Present: Not present
Decoration Description (if present):

Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - caught between layers of bead's rolled under and rolled over sides?

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments: Possible repurposed broken pendant? Damage on lower edge of rolled over side might be the punch of the original pendant.

Artifact: B72-158

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 12.67mm
Seam: 10.6mm
Side Opposite Seam: 11.56mm

Width:
Maximum: 6.09mm
Top Orifice: 2.89mm
Bottom Orifice: 3.18mm

Thickness:
Rolled Over Side: 0.97mm
Side Opposite Seam: 0.79mm

Weight: 0.9g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C and accretions throughout with some Type A.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed with upper and lower edges of left side and rolled under side worn down. Possible striations running longitudinally along entire bead's body. Some cracks across surface, especially near edges, probably from fold over hammered manufacturing. Seam of rolled over edge smoothed against rest of bead body.

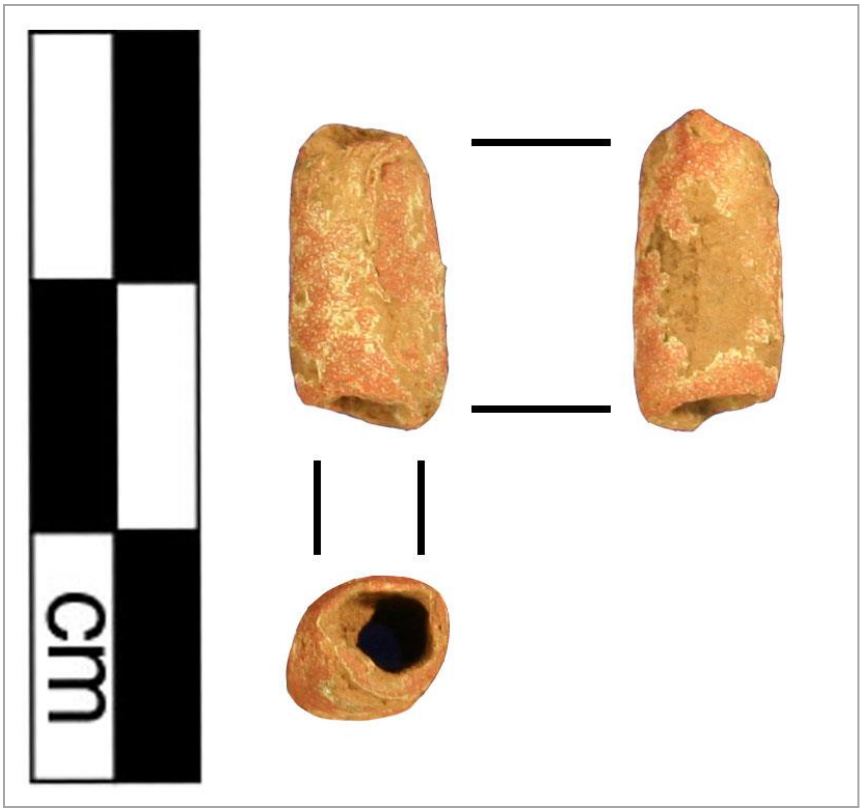
Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Indeterminate
Special Shape: No special shape
Seam Alignment: Flush
General Comments:



Artifact: B72-159

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 10.32mm
Seam: 7.71mm
Side Opposite Seam: 9.9mm

Width:
Maximum: 4.12mm
Top Orifice: 2.63mm
Bottom Orifice: 2.3mm

Thickness:
Rolled Over Side: 0.28mm
Side Opposite Seam: 0.39mm

Weight: 0.4g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 26-50% of object
Type C: Present on 76-100% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C and accretions throughout with some Type A.

Manufacturing Marks and/or Use-Wear:

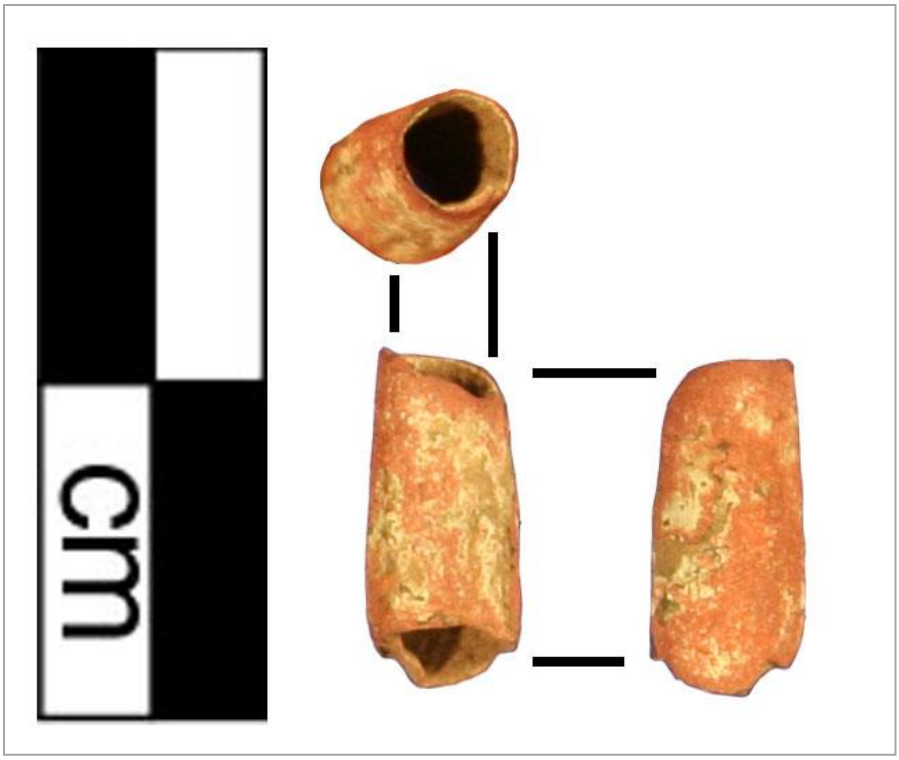
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges smoothed with some polish. Upper edge of rolled under side is worn down. Portion of lower edge of side opposite seam is bent inward and has crack where it attaches to rest of body. Cracks on surface probably from fold over hammered manufacturing. Seam of rolled over edge smoothed against rest of bead body with some possible black material placed between this edge and the rolled under side in order to disguise the seam.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Cross-Section Shape: Oval
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth
Decorations Present: Not present
Decoration Description (if present):

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N



Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-160

Recorder: JMP **Date:** 5/21/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 13.88mm
Seam: 10.26mm
Side Opposite Seam: 13.27mm

Width:
Maximum: 5.54mm
Top Orifice: 3.9mm
Bottom Orifice: 4.07mm

Thickness:
Rolled Over Side: 0.72mm
Side Opposite Seam: 0.7mm

Weight: 0.7g

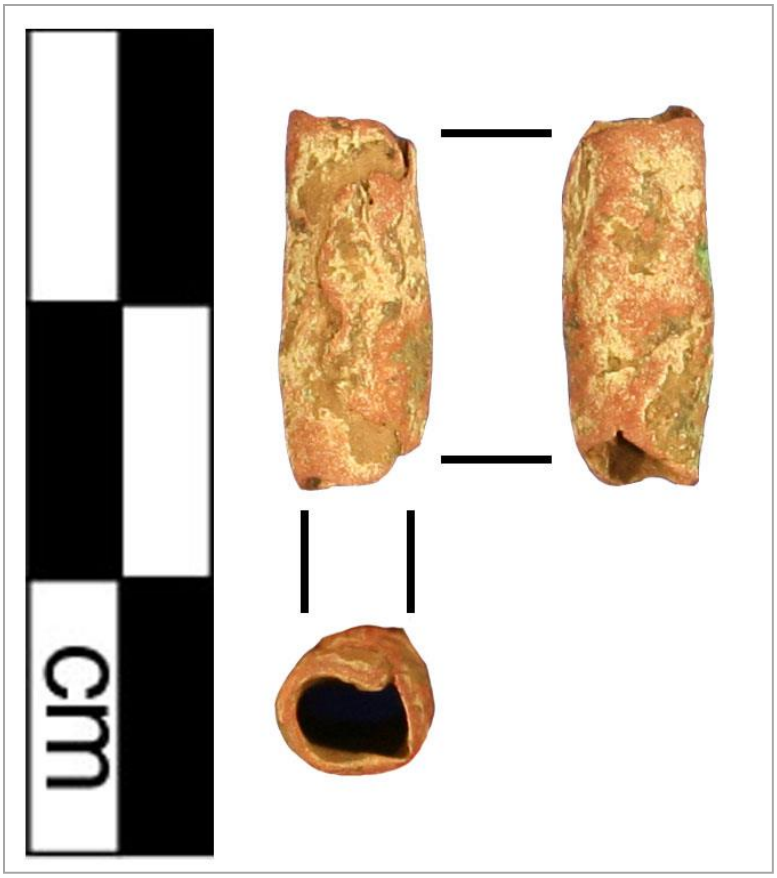
Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C and A throughout with accretions and pitting.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Bead edges are worn, have areas of worn nicks, and bent slightly inward. Nick in lower edge of right side. Possible polish on rolled over side and right side. Cracks on surface and flakey appearance are probably from fold over hammered manufacturing. Seam of rolled over edge smoothed against rest of bead body.



Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-161

Recorder: JMP **Date:** 5/21/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 11.94mm
Seam: 10.68mm
Side Opposite Seam: 10.3mm

Width:
Maximum: 5.88mm
Top Orifice: 4.03mm
Bottom Orifice: 3.66mm

Thickness:
Rolled Over Side: 0.38mm
Side Opposite Seam: 1.05mm

Weight: 0.9g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C and A throughout with accretions and pitting.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges are smoothed from wear and worn nicks. Incisions running longitudinally along bead body. Possible striations running transversely across bead body. Seam of rolled over edge smoothed against rest of bead body with some possible brown material placed between this edge and the rolled under side in order to disguise the seam.

Manufacturing Stage/Processes:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth
Decorations Present: Present
Decoration Description (if present): Incisions running longitudinally along bead body. Possible striations running transversely across bead body.
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 271-260 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-162

Recorder: JMP **Date:** 5/21/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 8.83mm
Seam: 7.86mm
Side Opposite Seam: 8.82mm

Width:
Maximum: 4.23mm
Top Orifice: 3.24mm
Bottom Orifice: 2.63mm

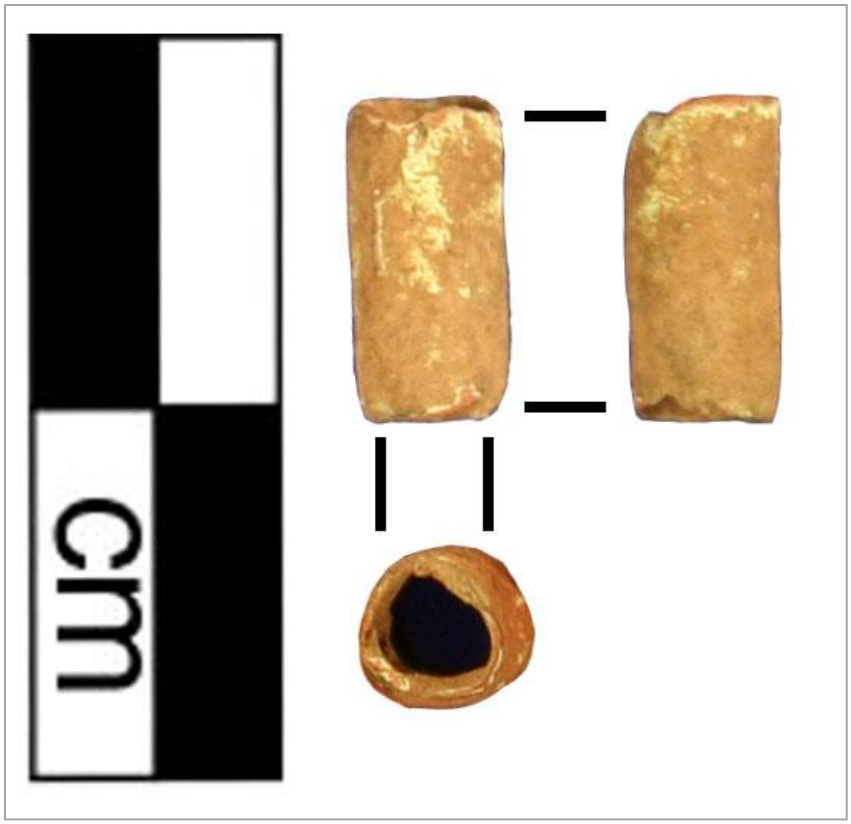
Thickness:
Rolled Over Side: 0.4mm
Side Opposite Seam: 0.37mm

Weight: 0.3g

Patina:
Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions with Type A throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges are smoothed from wear and worn nicks. Incisions/striations running transversely across rolled over bead side and longitudinally on side opposite seam. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present
Decoration Description (if present): Incisions/striations running transversely across rolled over bead side and longitudinally on side opposite seam.
Cross-Section Shape: Triangular



Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-163

Recorder: JMP **Date:** 5/21/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 6.65mm
Seam: 5.78mm
Side Opposite Seam: 5.07mm

Width:
Maximum: 4.93mm
Top Orifice: 2.17mm
Bottom Orifice: 1.92mm

Thickness:
Rolled Over Side: 0.77mm
Side Opposite Seam: 0.71mm

Weight: 0.4g

Patina:

Type A: Present on 1-25% of object
Type B: Not present
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C and accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Two incisions running longitudinally along entire bead body. Crack running from seam edge along one incision, and lower portion separated by crack is bent slightly inward. Edges smoothed. Possible polish on bead's surface. Seam was disguised with copper or other material and small cracks.

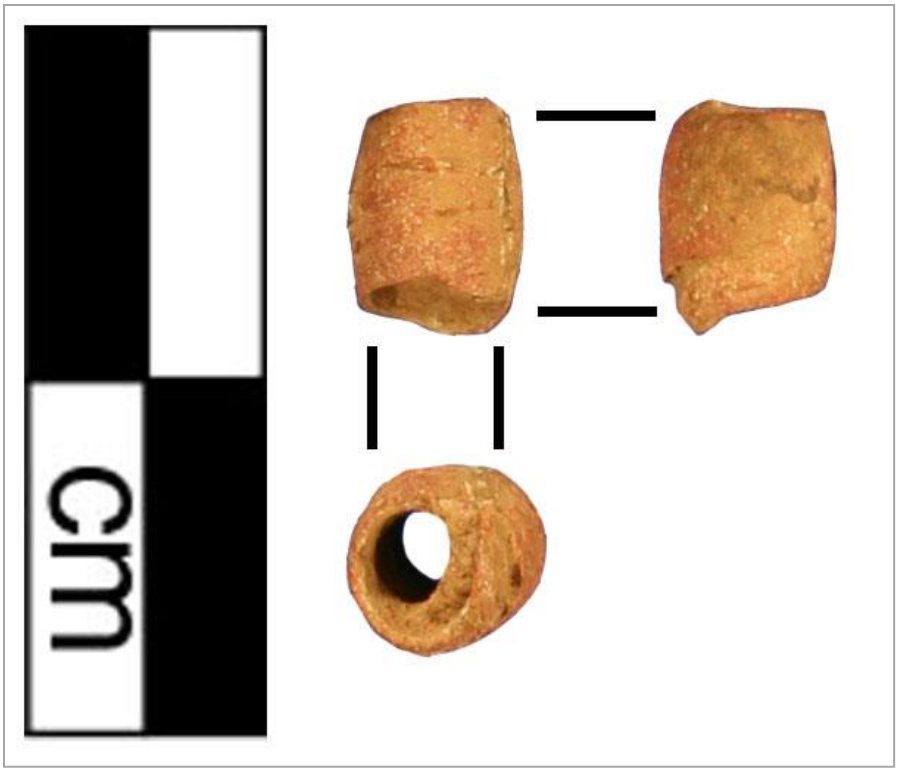
Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Cross-Section Shape: Circular
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth

Decorations Present: Present
Decoration Description (if present): Two incisions running longitudinally along entire bead body.

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Flared
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: Globular
Seam Alignment: Flush
General Comments:



Artifact: B72-164

Recorder: JMP **Date:** 5/22/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 12.05mm
Seam: 9.32mm
Side Opposite Seam: 11.24mm

Width:
Maximum: 4.72mm
Top Orifice: 3.08mm
Bottom Orifice: 2.57mm

Thickness:
Rolled Over Side: 0.8mm
Side Opposite Seam: 0.85mm

Weight: 0.5g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with some accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges are worn with some nicks, especially on lower left edge. Large crack stemming from upper right edge and running transversely toward center. This crack also has some loss around it. Cracks near rolled over seam edge. Possible material put between seam edge of rolled over side and rolled under sides to smooth over seam and make it less visible, though this is difficult to determine with surface corrosion.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Indeterminate
General Comments:
Special Shape: No special shape
Seam Alignment: Flush

Artifact: B72-165

Recorder: JMP **Date:** 5/22/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 14.06mm
Seam: 9.88mm
Side Opposite Seam: 11.52mm

Width:
Maximum: 4.91mm
Top Orifice: 3.88mm
Bottom Orifice: 3.51mm

Thickness:
Rolled Over Side: 0.36mm
Side Opposite Seam: 0.39mm

Weight: 0.3g

Patina:
Type A: Present on 51-75% of object
Type B: Present on 26-50% of object
Type C: Not present
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions and Type A throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Rolled over and under seam edges possibly broken off. Only lower half of rolled over seam edge overlapped with rolled under side. Rolled under side edge slightly bent. Large crack and loss on lower edge on side opposite seam. Edges are worn with worn nick on lower edge of rolled under side. Body of bead is boxy and may be bent inward in some locations.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - on interior?

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-166

Recorder: JMP **Date:** 5/22/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 8.05mm
Seam: 6.71mm
Side Opposite Seam: 6.99mm

Width:
Maximum: 6.28mm
Top Orifice: 2.56mm
Bottom Orifice: 2.81mm

Thickness:
Rolled Over Side: 1.12mm
Side Opposite Seam: 1.23mm

Weight: 0.9g

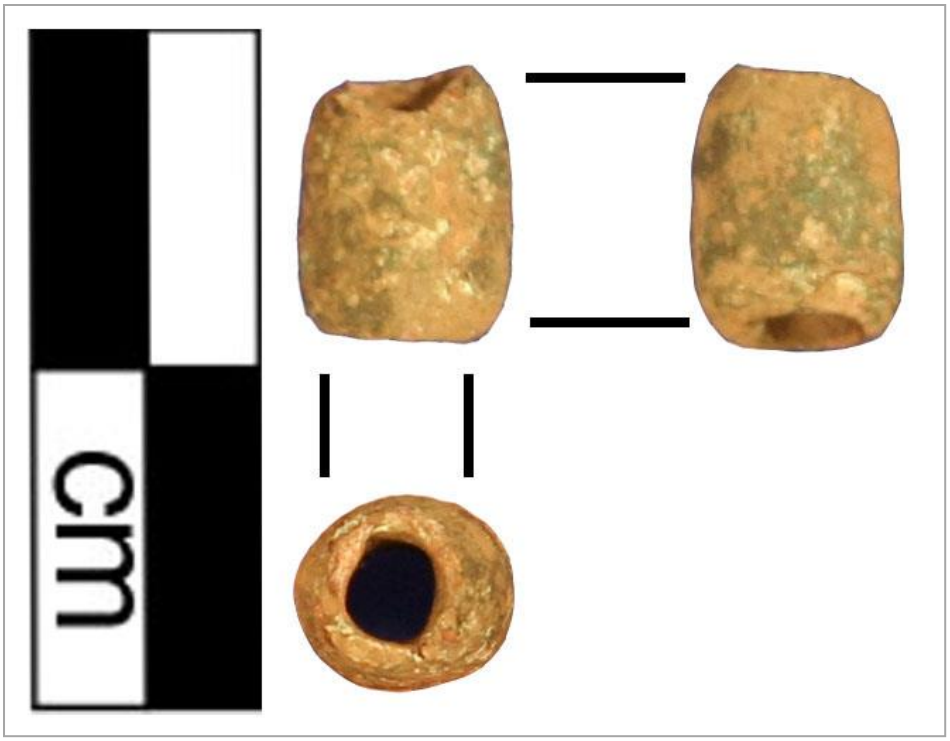
Patina:
Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 51-75% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with some Types A and B.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed. Cracks following lower bead edge probably from fold over hammered manufacturing. Seam edge of rolled over side is smoothed with seam edge of rolled under side so that seam edge is barely visible. Possible material put in between this seam to disguise it.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: 5
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:



Artifact: B72-167

Recorder: JMP **Date:** 5/22/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 4.96mm
Seam: 3.98mm
Side Opposite Seam: 4.34mm

Width:
Maximum: 6.09mm
Top Orifice: 2.26mm
Bottom Orifice: 2.26mm

Thickness:
Rolled Over Side: 0.49mm
Side Opposite Seam: 0.79mm

Weight: 0.5g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types C and A throughout with accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed. One incision running longitudinally along entire bead body. Seam edge smoothed against rest of body with possible material placed between rolled over and rolled under seam edges to disguise seam. Possible polish on upper half of rolled over side.

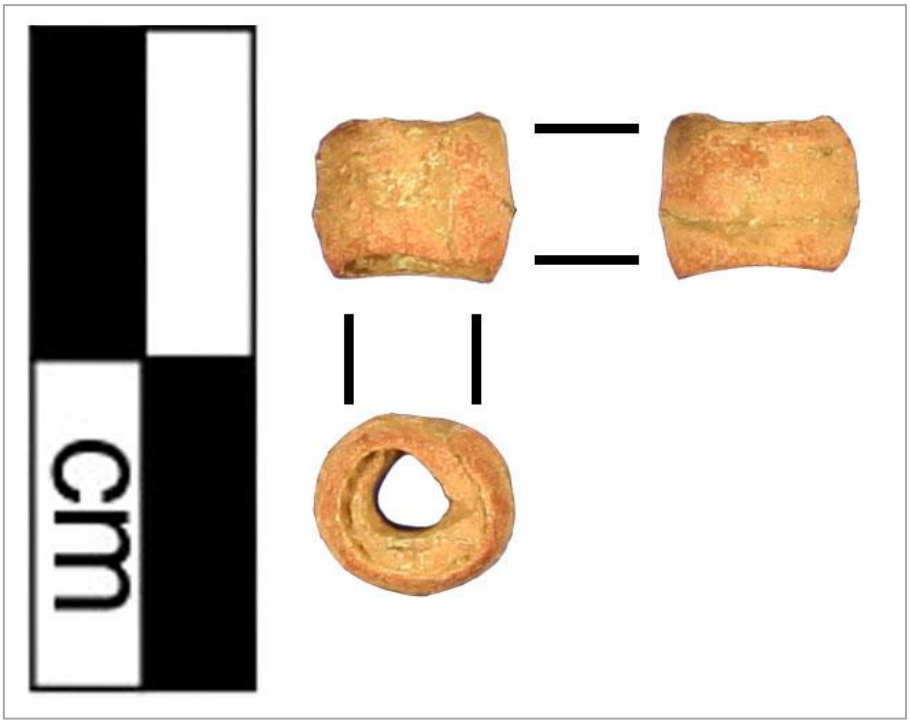
Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth
Decorations Present: Present
Decoration Description (if present): One incision running longitudinally along entire bead body.
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 271-260 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: Globular
Seam Alignment: Flush
General Comments:



Artifact: B72-168

Recorder: JMP **Date:** 5/22/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 6.53mm
Seam: 5.57mm
Side Opposite Seam: 5.83mm

Width:
Maximum: 4.63mm
Top Orifice: 2.57mm
Bottom Orifice: 2.43mm

Thickness:
Rolled Over Side: 0.58mm
Side Opposite Seam: 0.6mm

Weight: 0.4g

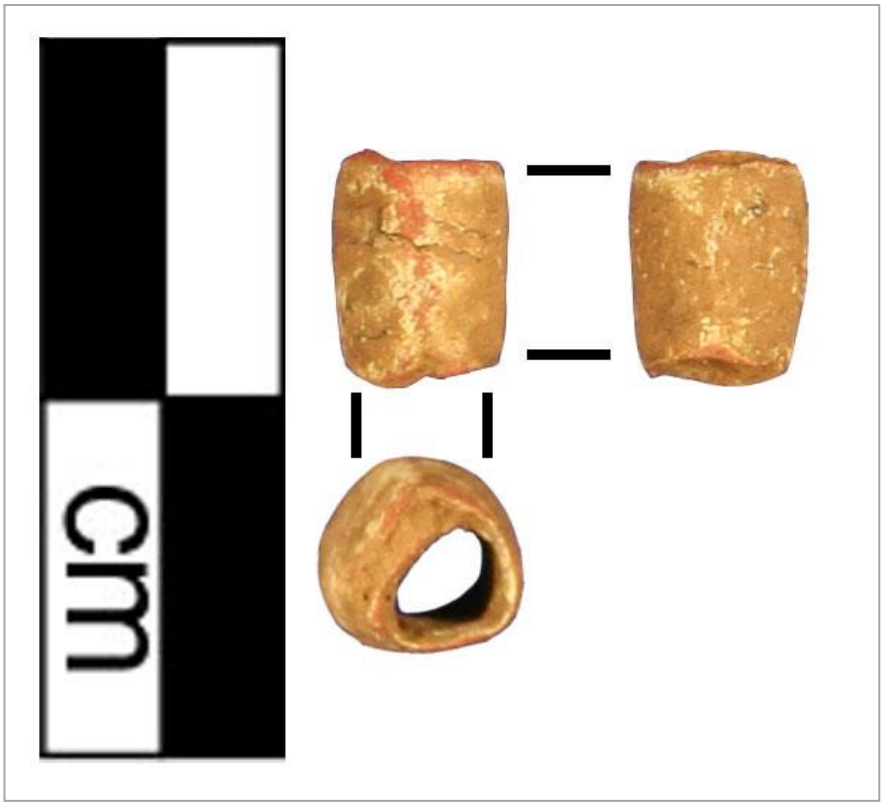
Patina:
Type A: Present on 51-75% of object
Type B: Not present
Type C: Present on 26-50% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with some Types A and C.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed with corners of bead having additional wear. Seam edge smoothed against rest of body to disguise seam. A couple of incisions running longitudinally along entirety of bead's body.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Cross-Section Shape: Triangular
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded

Decorations Present: Present
Decoration Description (if present): A couple of incisions running longitudinally along entirety of bead's body.

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N



Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Indeterminate
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-169

Recorder: JMP **Date:** 5/22/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 9.02mm
Seam: 6.93mm
Side Opposite Seam: 8.29mm

Width:
Maximum: 4.4mm
Top Orifice: 2.97mm
Bottom Orifice: 2.12mm

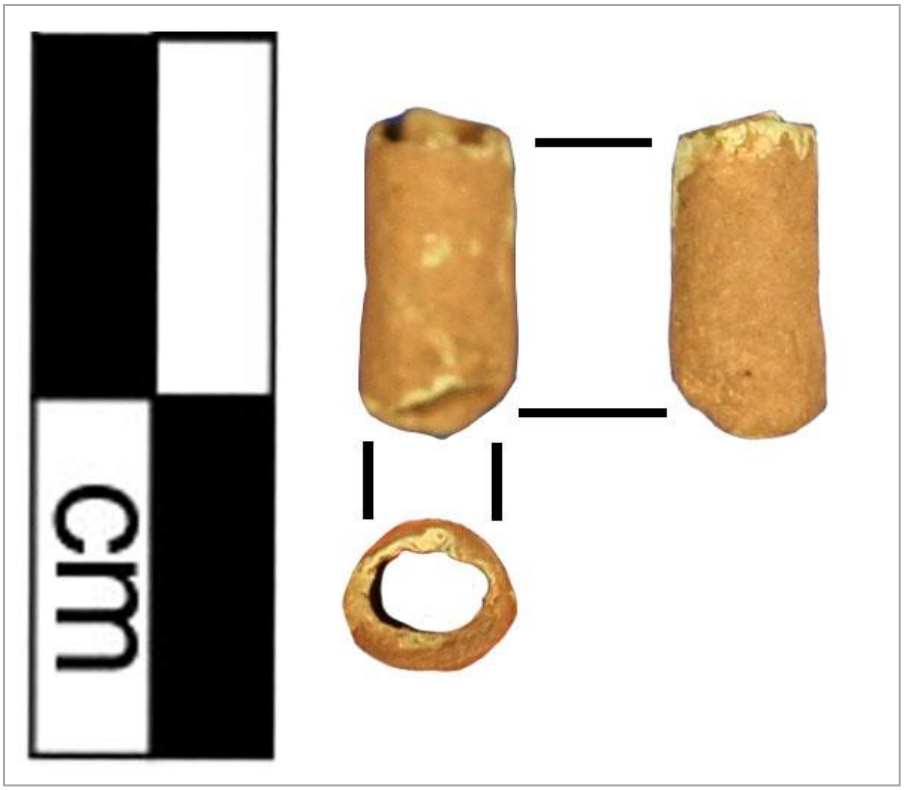
Thickness:
Rolled Over Side: 0.39mm
Side Opposite Seam: 0.49mm

Weight: 0.2g

Patina:
Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with some Type A, especially along edges.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges are worn, upper edge has some crack and nicks. Seam edge smoothed against rest of body to disguise seam. Possible striations running transversely across bead's body.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval



Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Flared
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Indeterminate
Special Shape: No special shape
Seam Alignment: Flush
General Comments: Rolled under seam edge not flush against bead body but end is not pinched.

Artifact: B72-170

Recorder: JMP **Date:** 5/22/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 7.07mm
Seam: 6.55mm
Side Opposite Seam: 6.75mm

Width:
Maximum: 4.74mm
Top Orifice: 3.44mm
Bottom Orifice: 2.81mm

Thickness:
Rolled Over Side: 0.32mm
Side Opposite Seam: 0.37mm

Weight: 0.2g

Patina:
Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C throughout with some Type A and accretions.

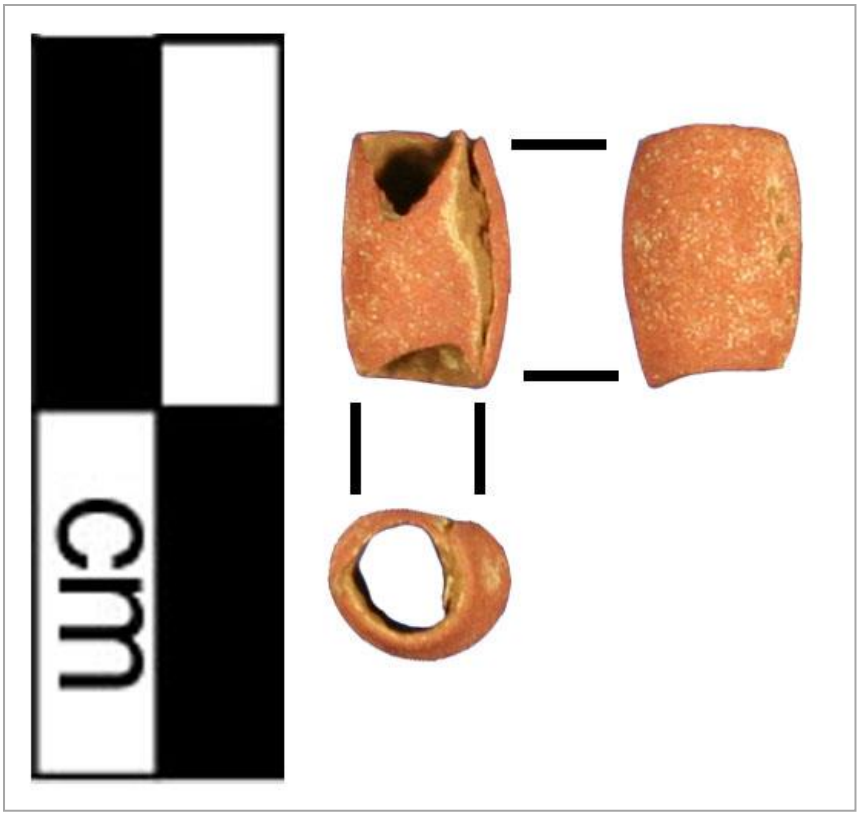
Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed. Upper edge of rolled under and left sides has very large nick. Another nick on upper edge of right side. Lower edge of rolled under side worn away. Bead slightly squished; seam edge and side opposite seam pressed together.

Manufacturing Stage/Processes:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: Globular
Seam Alignment: Flush
General Comments:



Artifact: B72-171

Recorder: JMP **Date:** 5/22/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 5.26mm
Seam: 5.1mm
Side Opposite Seam: 5.05mm

Width:
Maximum: 4.92mm
Top Orifice: 2.6mm
Bottom Orifice: 2.83mm

Thickness:
Rolled Over Side: 0.69mm
Side Opposite Seam: 1.23mm

Weight: 0.4g

Patina:
Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with some Type A.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed and bent slightly inward (possibly intentionally bent inward during manufacture. Striations/incisions running transversely across bead body throughout. Some possible polish on rolled over side. Seam slightly smoothed against bead body.

Manufacturing Stage/Processes:
Level of Manufacture: Finely manufactured artifact
Cross-Section Shape: Circular
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth
Decorations Present: Not present
Decoration Description (if present):

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: Globular
Seam Alignment: Flush
General Comments:

Artifact: B72-172

Recorder: JMP **Date:** 5/22/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 8.07mm
Seam: 6.9mm
Side Opposite Seam: 8.06mm

Width:
Maximum: 4.86mm
Top Orifice: 1.55mm
Bottom Orifice: 1.94mm

Thickness:
Rolled Over Side: 0.75mm
Side Opposite Seam: 1.02mm

Weight: 0.4g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 51-75% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with some Type A.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges smoothed with some nicks and polish, especially on center of lower edge rolled under side. One portion between nicks on lower edge of rolled under side is bent inward. Seam is smoothed against bead body and additional material possibly placed between seam edges to disguise seam. Some cracks on right side and some polish.

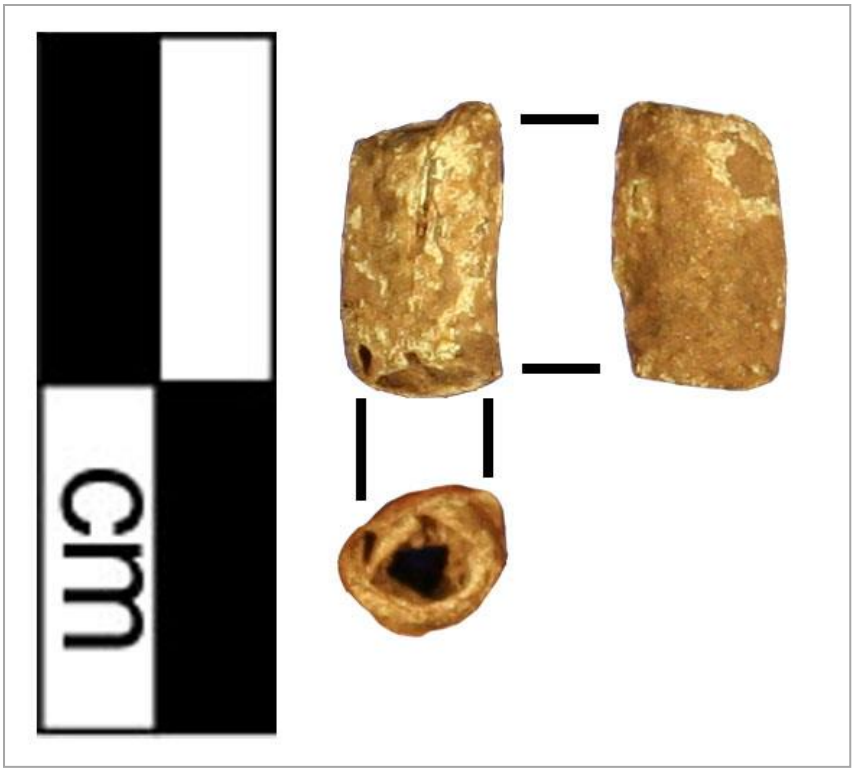
Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:



Artifact: B72-173

Recorder: JMP **Date:** 5/22/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 6.08mm
Seam: 5.54mm
Side Opposite Seam: 5.25mm

Width:
Maximum: 5.8mm
Top Orifice: 2.55mm
Bottom Orifice: 2.57mm

Thickness:
Rolled Over Side: 0.82mm
Side Opposite Seam: 1.08mm

Weight: 0.6g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 51-75% of object
Type C: Present on 76-100% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed with some possible polish. One incisions running longitudinally along lower half of bead's body from rolled under side to right side where it turns and runs transversely across bead body. Rolled over seam edge smoothed against rest of bead body to disguise seam. Some cracks on surface probably from fold over hammered manufacturing.

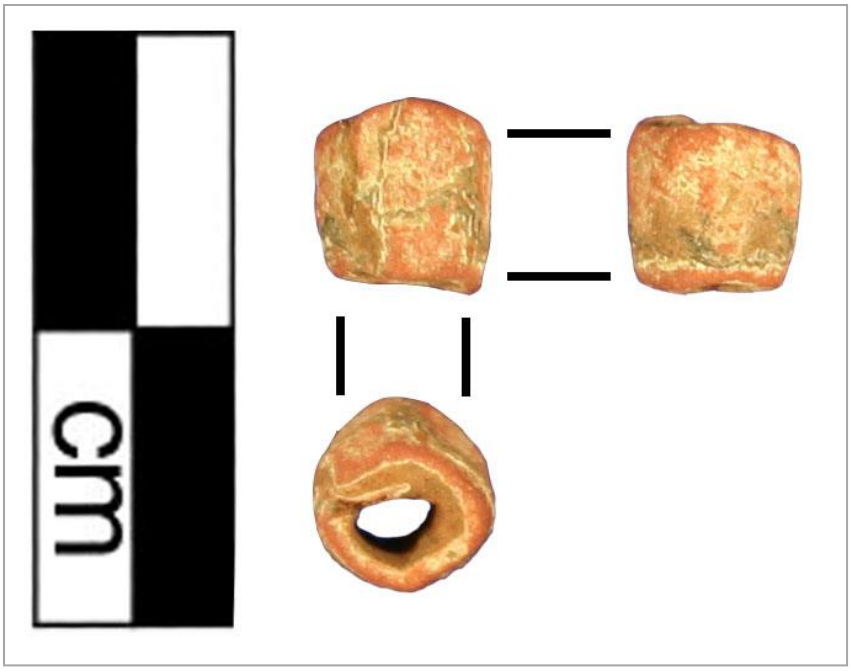
Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present
Decoration Description (if present): One incisions running longitudinally along lower half of bead's body from rolled under side to right side where it turns and runs transversely across bead body.
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - caught between layers of bead's rolled under and rolled over sides?

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Flared
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: Globular
Seam Alignment: Flush
General Comments:



Artifact: B72-174

Recorder: JMP **Date:** 5/22/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 10.17mm
Seam: 8.94mm
Side Opposite Seam: 9.66mm

Width:
Maximum: 5.53mm
Top Orifice: 4.21mm
Bottom Orifice: 3.21mm

Thickness:
Rolled Over Side: 0.68mm
Side Opposite Seam: 0.75mm

Weight: 0.8g

Patina:
Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with some Type A and D.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges are smoothed, have some slight polish, and are bent slightly inward. Incisions/striations running longitudinally along entire bead body. Polish on left side.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Present
Decoration Description (if present): Incisions/striations running longitudinally along entire bead body.
Cross-Section Shape: Square

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-175

Recorder: JMP **Date:** 5/22/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 7.74mm
Seam: 6.91mm
Side Opposite Seam: 7.68mm

Width:
Maximum: 5.12mm
Top Orifice: 3.23mm
Bottom Orifice: 3.06mm

Thickness:
Rolled Over Side: 0.39mm
Side Opposite Seam: 0.56mm

Weight: 0.5g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and C throughout with some accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present

Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present

Loss:
Broken Piece: Not present
Nicks: Not present

Retooling:
Resharpened: Not present
Repaired: Not present

Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges smoothed. Possible striations running transversely across entire bead body. Small crack stemming from seam near lower edge of rolled under side.

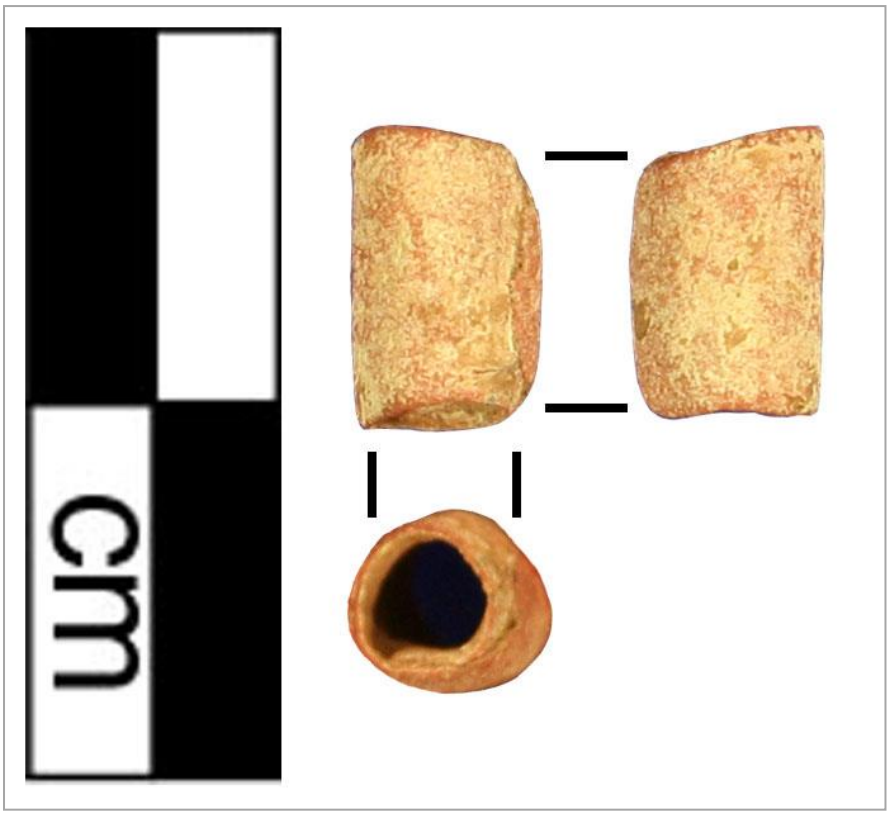
Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured artifact
Cross-Section Shape: Oval
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy

Decorations Present: Not present
Decoration Description (if present):

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:



Artifact: B72-176

Recorder: JMP **Date:** 5/22/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 11.85mm
Seam: 10.76mm
Side Opposite Seam: 11.01mm

Width:
Maximum: 6.37mm
Top Orifice: 2.13mm
Bottom Orifice: 3.35mm

Thickness:
Rolled Over Side: 1.04mm
Side Opposite Seam: 0.98mm

Weight: 1g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 26-50% of object
Type C: Present on 1-25% of object
Type D: Present on 51-75% of object
Type E: Not present

Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object

Total Surface Area with Patina/Corrosion: Present on 76-100% of object

Location of Patina/Corrosion: Accretions throughout with some Type A and B.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present

Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present

Loss:
Broken Piece: Not present
Nicks: Not present

Retooling:
Resharpened: Not present
Repaired: Not present

Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Most of surfaces covered in accretions including upper bead edge. lower edge is slightly worn and has some polish on left side and side opposite seam. Possible polish on rolled over side. Crack stemming transversely from lower edge to center of bead on right side. Surface possibly has striations/incisions, but is difficult to determine with accretions.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - caught between layers of bead's rolled under and rolled over sides?

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-177

Recorder: JMP **Date:** 5/22/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 10.79mm
Seam: 8.98mm
Side Opposite Seam: 10.59mm

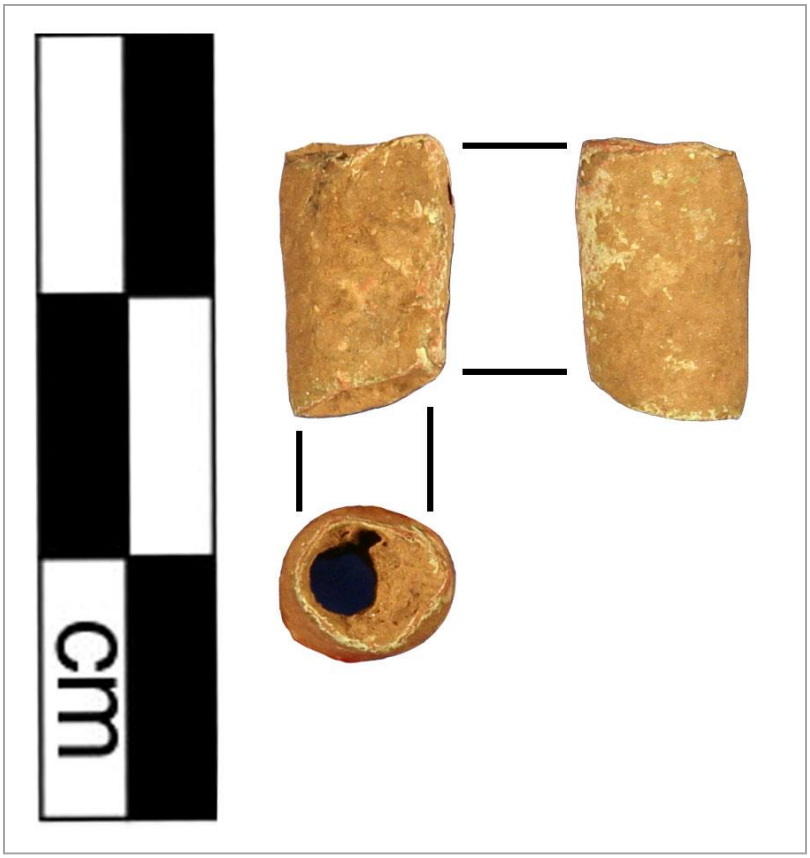
Width:
Maximum: 6.01mm
Top Orifice: 3.57mm
Bottom Orifice: 2.81mm

Thickness:
Rolled Over Side: 0.78mm
Side Opposite Seam: 0.57mm

Weight: 0.8g

Patina:
Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with some Type A.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges are smoothed. Seam of rolled over edge smoothed against rest of bead body with some possible material placed between this edge and the rolled under side in order to disguise the seam. Smaller hole in upper half of rolled over side, probably from impurity in copper during manufacturing. Striations running transversely across entire bead surface.



Manufacturing Stage/Processes:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - caught between layers of bead's rolled under and rolled over sides?

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-178

Recorder: JMP **Date:** 5/22/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 7.67mm
Seam: 6.82mm
Side Opposite Seam: 6.72mm

Width:
Maximum: 5.2mm
Top Orifice: 2.68mm
Bottom Orifice: 3.06mm

Thickness:
Rolled Over Side: 0.59mm
Side Opposite Seam: 0.92mm

Weight: 0.6g

Patina:

Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C and accretions throughout with some Type A.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges are smoothed. Lower edge has some polish. Possible polish on rolled over side. Seam of rolled over edge smoothed against rest of bead body with some possible material placed between this edge and the rolled under side in order to disguise the seam. Possible striations running longitudinally along entire bead.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-179

Recorder: JMP **Date:** 5/22/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 7.26mm
Seam: 6.39mm
Side Opposite Seam: 6.41mm

Width:
Maximum: 5.02mm
Top Orifice: 3.19mm
Bottom Orifice: 2.74mm

Thickness:
Rolled Over Side: 0.81mm
Side Opposite Seam: 0.63mm

Weight: 0.4g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 26-50% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present

Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object

Total Surface Area with Patina/Corrosion: Present on 76-100% of object

Location of Patina/Corrosion: Accretions throughout with some Type A and B.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Present

Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present

Loss:
Broken Piece: Not present
Nicks: Present

Retooling:
Resharpened: Not present
Repaired: Not present

Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges are slightly worn with some polish. Worn nicks in center of upper and lower edge of rolled under side. Polish on bead body, especially on rolled over side. Some striations/incisions on surface, some running longitudinally, especially on corners of bead's body shape, and others running transversely, especially on rolled under side. Cracks over rolled over side, especially near seam edge.

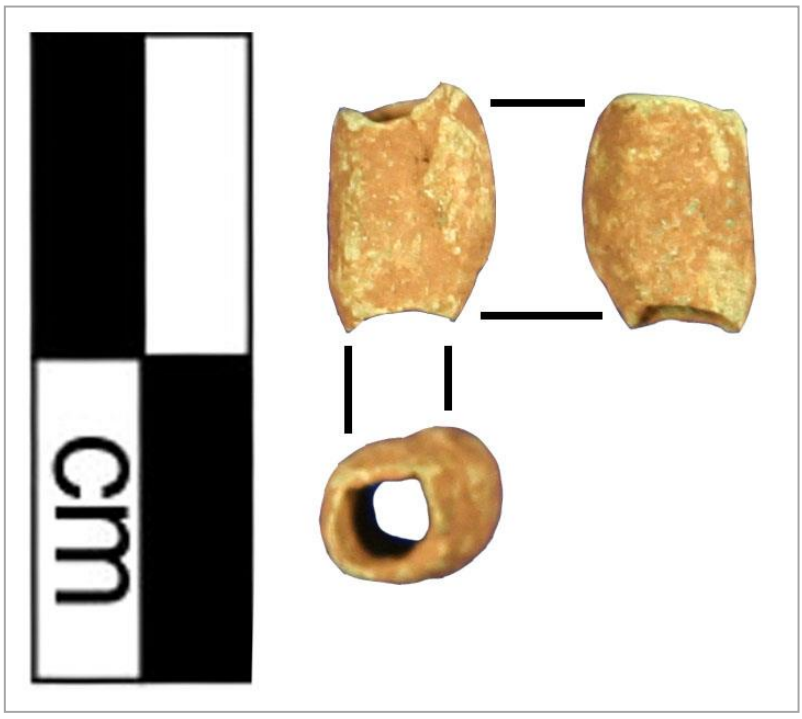
Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact

Cross-Section Shape: Square

Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present
Decoration Description (if present): Some striations/incisions on surface, some running longitudinally, especially on corners of bead's body shape, and others running transversely, especially on rolled under side.

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N



Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: Globular
Seam Alignment: Flush
General Comments:

Artifact: B72-180

Recorder: JMP **Date:** 5/22/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 11.76mm
Seam: 10.2mm
Side Opposite Seam: 11.69mm

Width:
Maximum: 4.46mm
Top Orifice: 3.09mm
Bottom Orifice: 2.42mm

Thickness:
Rolled Over Side: 0.47mm
Side Opposite Seam: 0.55mm

Weight: 0.4g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 26-50% of object
Type C: Present on 1-25% of object
Type D: Present on 26-50% of object
Type E: Not present

Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object

Total Surface Area with Patina/Corrosion: Present on 76-100% of object

Location of Patina/Corrosion: Accretions throughout with some Type A and B.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present

Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present

Loss:
Broken Piece: Not present
Nicks: Not present

Retooling:
Resharpened: Not present
Repaired: Not present

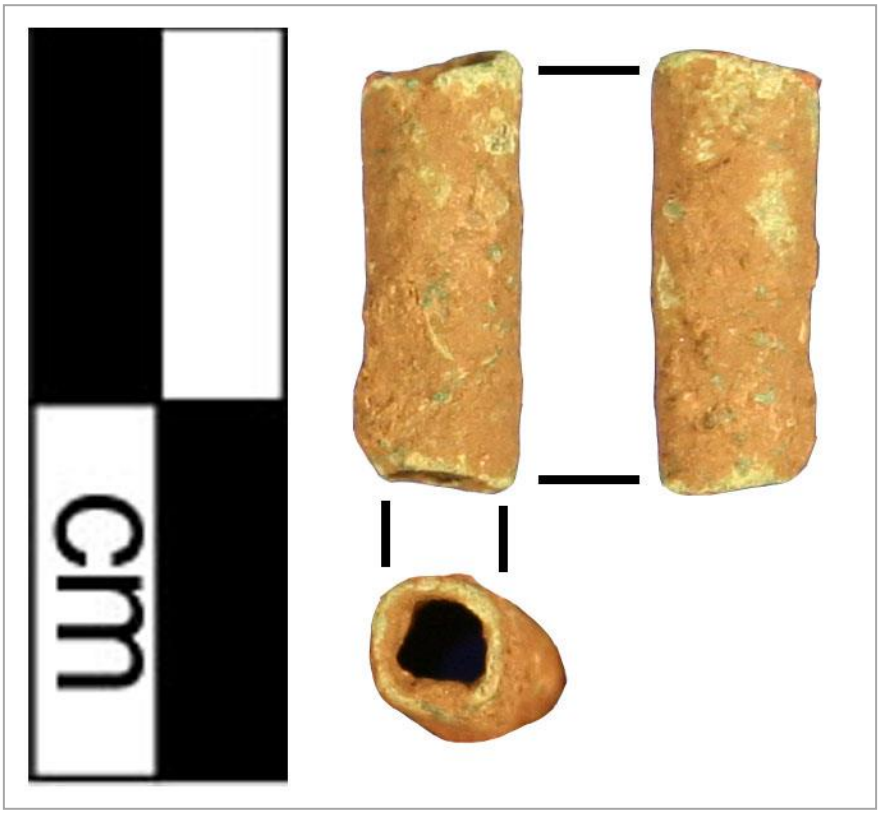
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges smoothed and lower edge has some polish. Possible striations running longitudinally. Surface covered in thick accretions, so surface is difficult to observe.

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval



Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: 5
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-181

Recorder: JMP **Date:** 5/22/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 11.14mm
Seam: 9.93mm
Side Opposite Seam: 10.71mm

Width:
Maximum: 5.03mm
Top Orifice: 3.1mm
Bottom Orifice: 2.67mm

Thickness:
Rolled Over Side: 1.04mm
Side Opposite Seam: 0.74mm

Weight: 0.7g

Patina:
Type A: Present on 51-75% of object
Type B: Present on 51-75% of object
Type C: Not present
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with some Type A and B.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges are smoothed. On interior of lower portion of side opposite seam, there is a tab of copper jutting from the side of the bead's wall. Three deep incisions on side opposite seam and additional possible incisions on rolled under side in a cross-hatched shape. Three rectangular-shaped impressions in lower half of seam edge.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Present
Decoration Description (if present): Three deep incisions on side opposite seam and additional possible incisions on rolled under side in a cross-hatched shape.
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-182

Recorder: JMP **Date:** 5/22/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 11.21mm
Seam: 8.66mm
Side Opposite Seam: 11.02mm

Width:
Maximum: 4.8mm
Top Orifice: 2.63mm
Bottom Orifice: 2.58mm

Thickness:
Rolled Over Side: 0.43mm
Side Opposite Seam: 0.79mm

Weight: 0.5g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 76-100% of object
Type C: Present on 51-75% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Type A and B.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present

Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present

Loss:
Broken Piece: Not present
Nicks: Present

Retooling:
Resharpened: Not present
Repaired: Not present

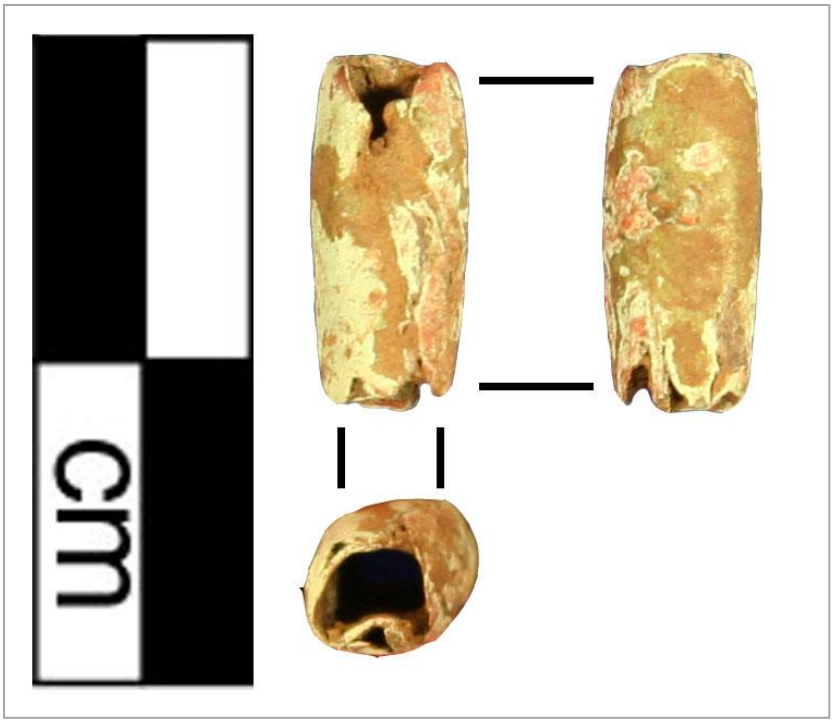
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges are smoothed and have cracked/layered appearance. Upper bead edge of rolled under side has large nick. Lower bead edge is bent slightly inward, especially piece of material that is separated by two significant worn nicks. Either piece of material on the lower bead edge of the right side from was broken and bent perpendicularly to bead edge or this material on the interior of this edge is the pinched end of the rolled under seam. Polish on upper half of side opposite seam. Striations running longitudinally along entire bead body. Cracks along seam edge, rolled over side, and right side, probably from fold over hammered manufacturing.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Indeterminate
Special Shape: No special shape
Seam Alignment: Flush
General Comments:



Artifact: B72-183

Recorder: JMP **Date:** 5/22/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 5.5mm
Seam: 4.97mm
Side Opposite Seam: 4.77mm

Width:
Maximum: 4.61mm
Top Orifice: 2.58mm
Bottom Orifice: 2.49mm

Thickness:
Rolled Over Side: 0.84mm
Side Opposite Seam: 0.84mm

Weight: 0.3g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A with some accretions and Type C mostly along edges.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Striations running transversely across bead's body. One incisions running longitudinally along bead's body near center with a second incised line appearing right side and side opposite seam. Edges smoothed and some polish on lower edge of rolled under side and left side. Seam of rolled over edge smoothed against rest of bead body with some possible material placed between this edge and the rolled under side in order to disguise the seam.

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present

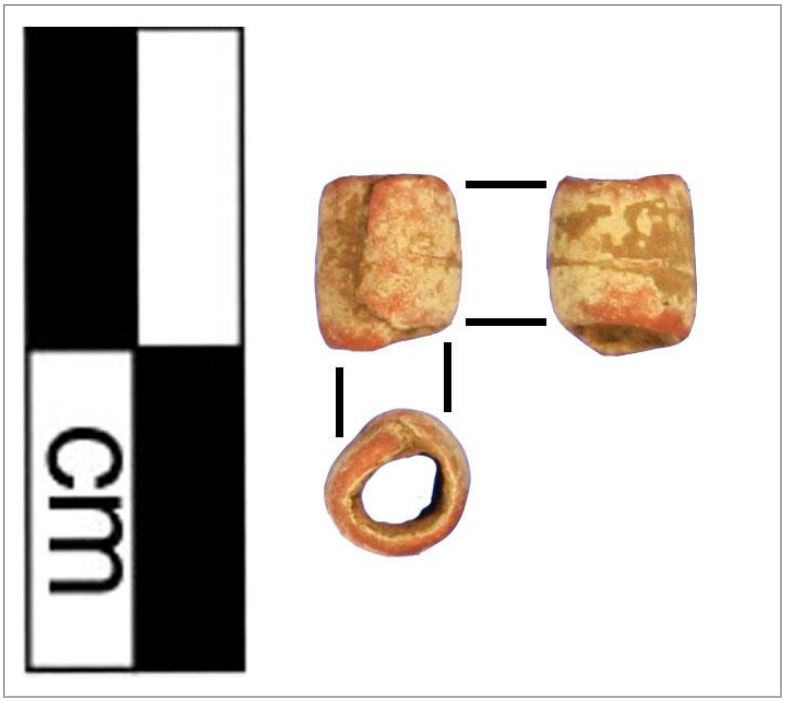
Decoration Description (if present): One incisions running longitudinally along bead's body near center with a second incised line appearing right side and side opposite seam.

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Cross-Section Shape: Oval

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Flared
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Indeterminate
Special Shape: Globular
Seam Alignment: Flush
General Comments:



Artifact: B72-184

Recorder: JMP **Date:** 5/22/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 8.7mm
Seam: 7.56mm
Side Opposite Seam: 7.13mm

Width:
Maximum: 4.99mm
Top Orifice: 2.01mm
Bottom Orifice: 2.72mm

Thickness:
Rolled Over Side: 0.41mm
Side Opposite Seam: 0.64mm

Weight: 0.6g

Patina:

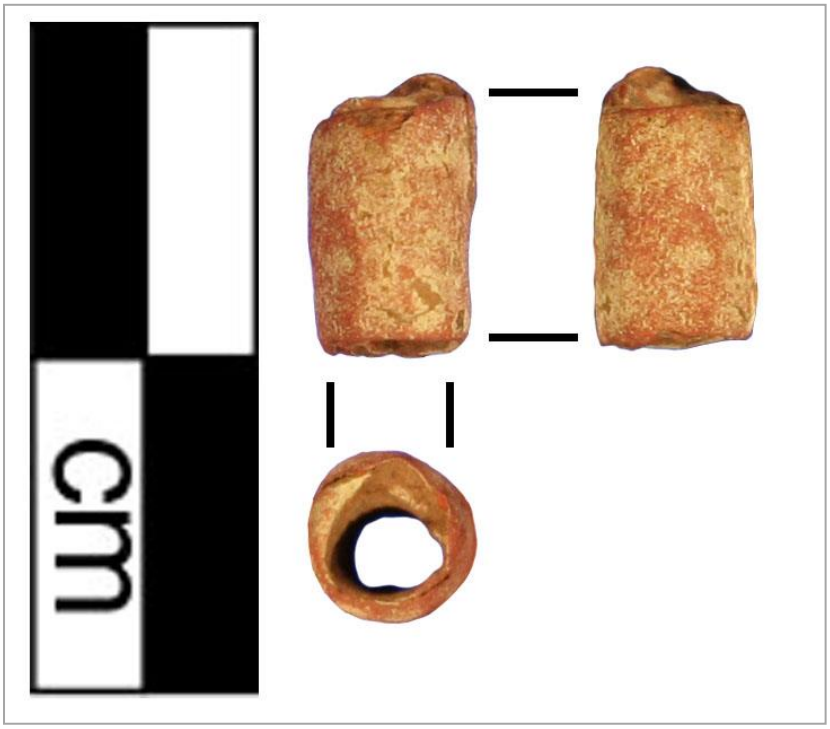
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with some accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges worn with worn nicks and some polish. Larger nick on upper bead edge of left side. Striations running transversely across entire bead body. One incision stemming from upper bead edge on rolled under side and running transversely towards bead center. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Cross-Section Shape: Oval
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present
Decoration Description (if present): One incision stemming from upper bead edge on rolled under side and running transversely towards bead center



Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Indeterminate
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-185

Recorder: JMP **Date:** 5/22/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 11.74mm
Seam: 10.1mm
Side Opposite Seam: 11.57mm

Width:
Maximum: 6.32mm
Top Orifice: 3.04mm
Bottom Orifice: 2.47mm

Thickness:
Rolled Over Side: 0.8mm
Side Opposite Seam: 0.63mm

Weight: 0.8g

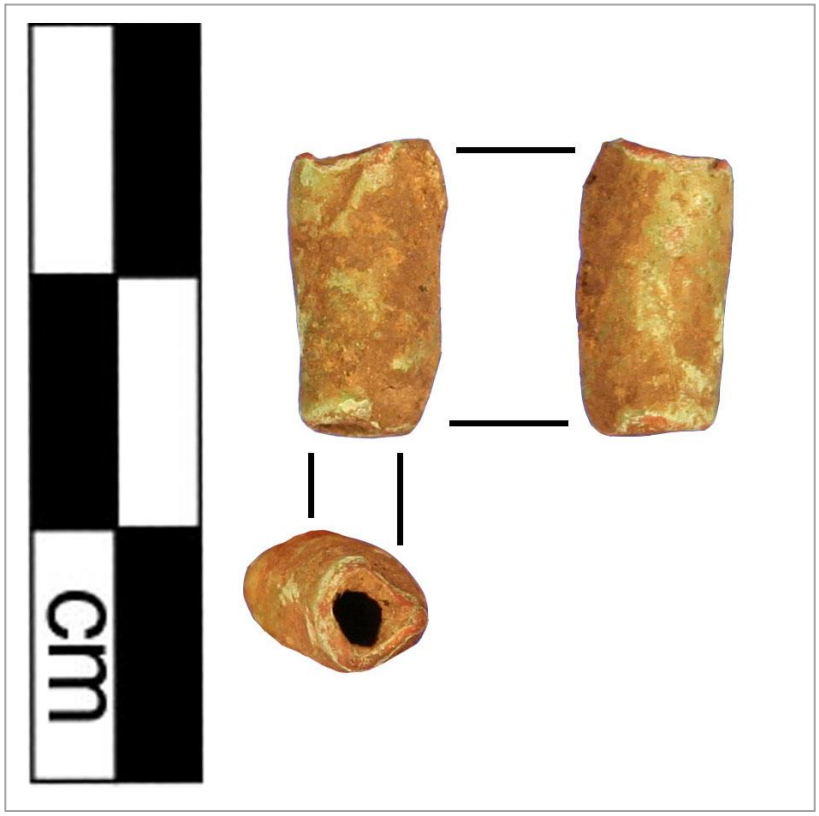
Patina:
Type A: Present on 76-100% of object
Type B: Present on 76-100% of object
Type C: Present on 1-25% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and B throughout with accretions.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smooth and have cracked/layered appearance. Some small cracks in upper edge of rolled under side. Polish on rolled over and rolled under sides near seam. Some striations running longitudinally across bead body on rolled over side.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:



Artifact: B72-186

Recorder: JMP **Date:** 5/22/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 9.67mm
Seam: 7.9mm
Side Opposite Seam: 9.56mm

Width:
Maximum: 5.97mm
Top Orifice: 3.55mm
Bottom Orifice: 3.64mm

Thickness:
Rolled Over Side: 0.66mm
Side Opposite Seam: 0.64mm

Weight: 0.7g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 51-75% of object
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and B throughout with accretions. Type C mostly along edges.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges worn and lower edge has some polish. Upper edge of rolled under side is worn down. Polish on bead body on each side. Three incisions running longitudinally along most of bead's body. Some striations running transversely across bead body. Seam of rolled over edge smoothed against rest of bead body with some possible material placed between this edge and the rolled under side in order to disguise the seam.

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present
Decoration Description (if present): Three incisions running longitudinally along most of bead's body.
Cross-Section Shape: Square

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-187

Recorder: JMP **Date:** 5/22/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 14.54mm
Seam: 12.62mm
Side Opposite Seam: 13.76mm

Width:
Maximum: 5.72mm
Top Orifice: 2.7mm
Bottom Orifice: 2.33mm

Thickness:
Rolled Over Side: 0.7mm
Side Opposite Seam: 0.71mm

Weight: 1.1g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 76-100% of object
Type C: Present on 51-75% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and B throughout with accretions. Type C mostly along edges.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Present
Description of Use-Wear Amount/Location: Striations/incisions running longitudinally along entire bead. Edges are smoothed with some worn nicks on upper bead edge. Polish on entirety of bead's body.

Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present

Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-188

Recorder: JMP **Date:** 5/22/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 10.45mm
Seam: 8.67mm
Side Opposite Seam: 9.39mm

Width:
Maximum: 6.12mm
Top Orifice: 3.89mm
Bottom Orifice: 3.27mm

Thickness:
Rolled Over Side: 0.8mm
Side Opposite Seam: 0.86mm

Weight: 1g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 51-75% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and B throughout with accretions. Type C mostly along edges.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges smoothed. Nick in lower edge of rolled under side near seam with cracks stemming out of nick toward left side. Polish on left side. Striations running both transversely and longitudinally across bead body. Seam of rolled over edge smoothed against rest of bead body in order to disguise the seam.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-189

Recorder: JMP **Date:** 5/22/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 11.83mm
Seam: 10.18mm
Side Opposite Seam: 10.81mm

Width:
Maximum: 5.55mm
Top Orifice: 3.51mm
Bottom Orifice: 3.33mm

Thickness:
Rolled Over Side: 0.67mm
Side Opposite Seam: 0.64mm

Weight: 0.7g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 76-100% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and B throughout with accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Upper edge smoothed with some polish and slightly splayed. Lower edge is also smoothed with two small nicks on rolled under side's lower edge and large worn down nick on rolled under and over lower edges. Some cracks on surface, probably from fold over hammered manufacturing. Striations running transversely across bead body.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-190

Recorder: JMP **Date:** 5/22/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 10.3mm
Seam: 9.7mm
Side Opposite Seam: 9.29mm

Width:
Maximum: 5.57mm
Top Orifice: 3.74mm
Bottom Orifice: 2.63mm

Thickness:
Rolled Over Side: 0.5mm
Side Opposite Seam: 0.85mm

Weight: 0.8g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 51-75% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and B throughout with accretions.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed with some possible polish. Striations running transversely across bead body. A few cracks on side opposite seam running transversely across bead body from one side.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Cross-Section Shape: Triangular
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Not present
Decoration Description (if present):

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-191

Recorder: JMP **Date:** 5/22/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 11.65mm
Seam: 11.03mm
Side Opposite Seam: 10.93mm

Width:
Maximum: 5.95mm
Top Orifice: 3.47mm
Bottom Orifice: 3.34mm

Thickness:
Rolled Over Side: 0.79mm
Side Opposite Seam: 0.75mm

Weight: 1.2g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 26-50% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C throughout with some Type A and accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present

Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present

Loss:
Broken Piece: Not present
Nicks: Present

Retooling:
Resharpened: Not present
Repaired: Not present

Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges smoothed. Upper right edge has nick. Seam of rolled over edge smoothed against rest of bead body with some possible material placed between this edge and the rolled under side in order to disguise the seam. Cracks on rolled over side. Striations running longitudinally across entire bead body.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-192

Recorder: JMP **Date:** 5/22/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 7.7mm
Seam: 7.32mm
Side Opposite Seam: 6.13mm

Width:
Maximum: 4.87mm
Top Orifice: 3.45mm
Bottom Orifice: 3.26mm

Thickness:
Rolled Over Side: 0.82mm
Side Opposite Seam: 0.44mm

Weight: 0.2g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 26-50% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A throughout with accretions and Type C mostly along edges.

Manufacturing Marks and/or Use-Wear:

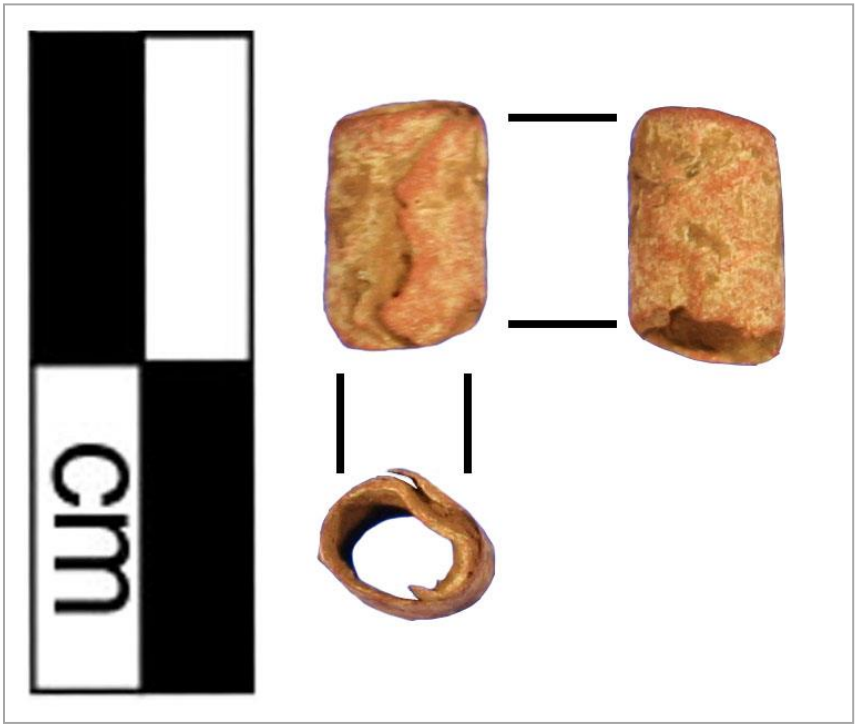
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed with some polish. Lower edge has many nicks throughout. Striations running longitudinally across bead body. Incision running along upper half of side opposite seam. Seam of rolled over edge smoothed against rest of bead body with some possible material placed between this edge and the rolled under side in order to disguise the seam. Bead possibly slightly squished after manufacture.

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured artifact
Cross-Section Shape: Oval
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth

Decorations Present: Present
Decoration Description (if present): Incision running along upper half of side opposite seam.

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N



Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-193

Recorder: JMP **Date:** 5/23/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 11.82mm
Seam: 8.78mm
Side Opposite Seam: 10.89mm

Width:
Maximum: 5.45mm
Top Orifice: 2.29mm
Bottom Orifice: 3.1mm

Thickness:
Rolled Over Side: 0.59mm
Side Opposite Seam: 0.74mm

Weight: 0.7g

Patina:
Type A: Present on 1-25% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 51-75% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Type A mostly along edges.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed and bent slightly inward (possibly intentionally bent inward during manufacture). Worn nick on upper edge of rolled under side. Lower edge has splayed fragment rolled under side portion and a piece jutting from rolled over side lower edge with an adjacent nick. Some polish on bead edges and on bead body, especially near seam on rolled over side. Possible longitudinal striations running across bead body throughout.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-194

Recorder: JMP **Date:** 5/23/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 5.82mm
Seam: 5.72mm
Side Opposite Seam: 5.39mm

Width:
Maximum: 4.49mm
Top Orifice: 2.62mm
Bottom Orifice: 2.62mm

Thickness:
Rolled Over Side: 0.83mm
Side Opposite Seam: 0.6mm

Weight: 0.3g

Patina:

Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C throughout with some Type A and accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges worn and have cracked/layered appearance. Lower half of rolled over seam possibly cracked off at some point. Striations running transversely across bead. Nick and loss on upper left side of bead.

Manufacturing Stage/Processes:

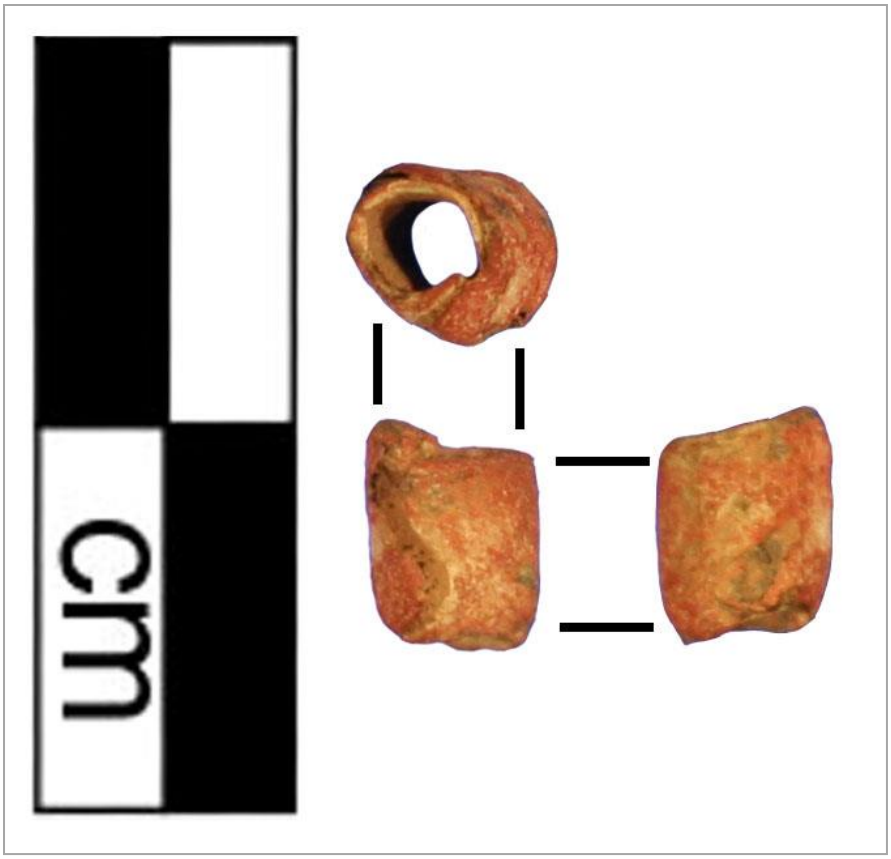
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: Globular
Seam Alignment: Flush



General Comments:

Artifact: B72-195

Recorder: JMP **Date:** 5/23/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 9.58mm
Seam: 6.86mm
Side Opposite Seam: 8.71mm

Width:
Maximum: 4.19mm
Top Orifice: 2.32mm
Bottom Orifice: 2.08mm

Thickness:
Rolled Over Side: 0.38mm
Side Opposite Seam: 0.55mm

Weight: 0.4g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout with some Type C along edges.

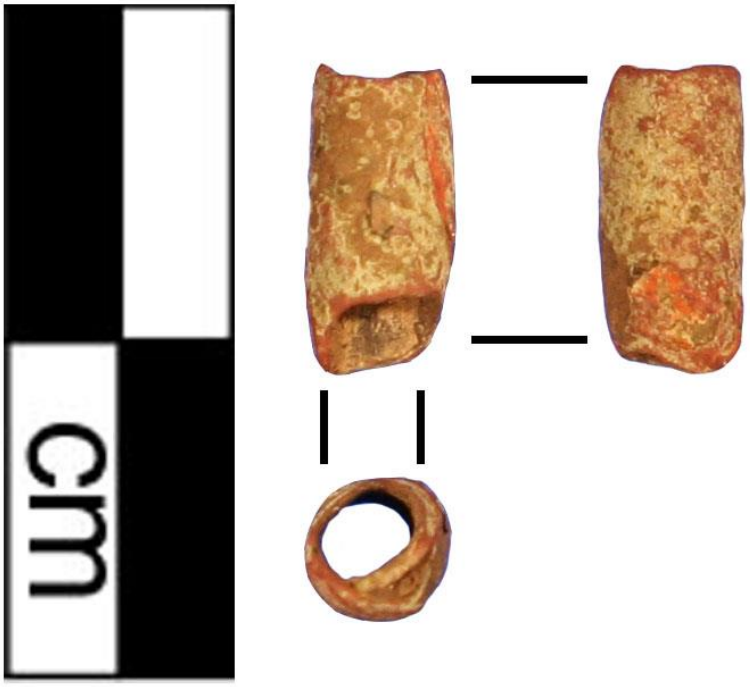
Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed. Small worn nicks on upper bead edge and large worn loss on lower edge of rolled under side. Striations running transversely across bead body. Seam of rolled over edge smoothed against rest of bead body with some possible material placed between this edge and the rolled under side in order to disguise the seam. Small hole on lower portion of seam edge of rolled over side created by small nick on seam edge.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:



Artifact: B72-196

Recorder: JMP **Date:** 5/23/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 8.76mm
Seam: 8.45mm
Side Opposite Seam: 8.31mm

Width:
Maximum: 4.23mm
Top Orifice: 3.41mm
Bottom Orifice: 2.26mm

Thickness:
Rolled Over Side: 0.38mm
Side Opposite Seam: 0.61mm

Weight: 0.3g

Patina:

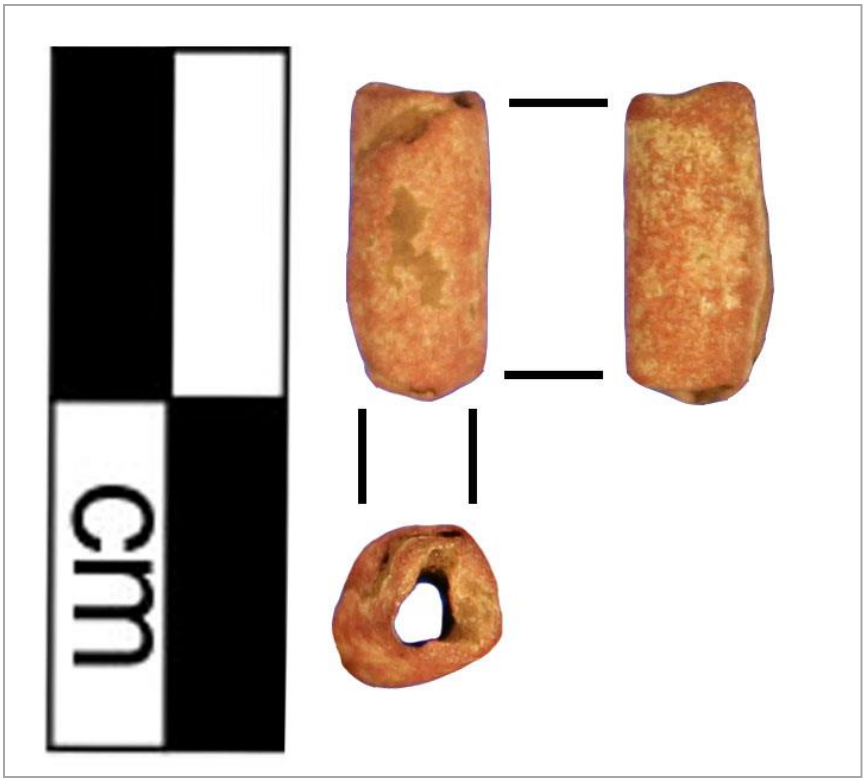
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with some accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges are smoothed and bent inwards with worn nicks in corners of bead's boxy shape. Polish on right side. Striations and incisions throughout surface but corrosion make them difficult to observe.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Cross-Section Shape: Triangular
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present
Decoration Description (if present): Striations and incisions throughout surface but corrosion make them difficult to observe.



Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - on interior?

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Indeterminate
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-197

Recorder: JMP **Date:** 5/23/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 6.66mm
Seam: 5.7mm
Side Opposite Seam: 6.71mm

Width:
Maximum: 4.58mm
Top Orifice: 2.54mm
Bottom Orifice: 2.67mm

Thickness:
Rolled Over Side: 0.6mm
Side Opposite Seam: 0.73mm

Weight: 0.3g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 76-100% of object
Type C: Not present
Type D: Present on 51-75% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and B throughout with accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed. Polish on edges and throughout body. Seam of rolled over edge smoothed against rest of bead body with some possible material placed between this edge and the rolled under side in order to disguise the seam. Small hole on lower portion of seam edge of rolled over side created by small nick on seam edge. A few possible incisions running longitudinally along bead body.

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured artifact **Cross-Section Shape:** Circular

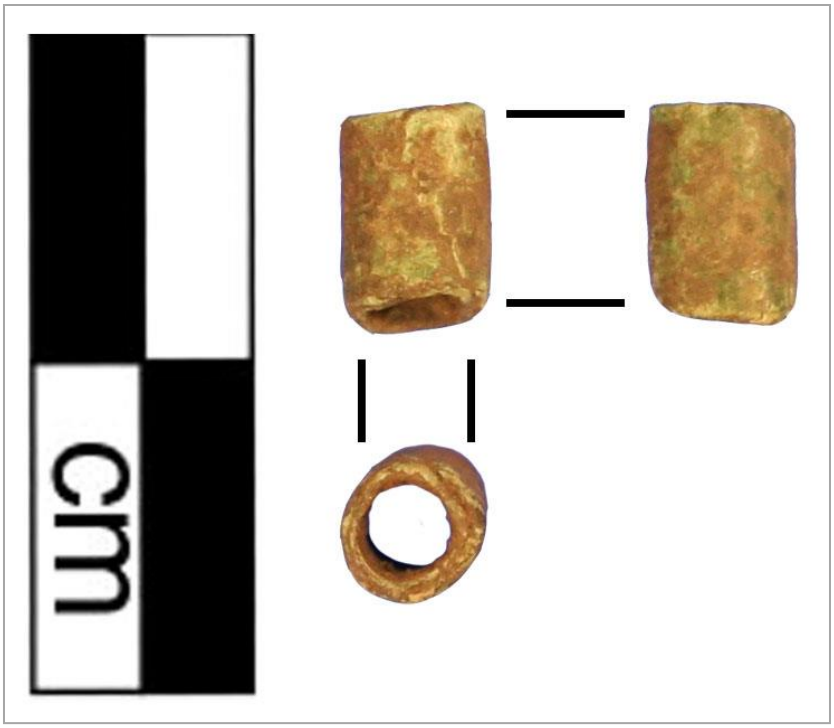
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth

Decorations Present: Present
Decoration Description (if present): A few possible incisions running longitudinally along bead body.

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:



Artifact: B72-198

Recorder: JMP **Date:** 5/23/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 7.57mm
Seam: 7.25mm
Side Opposite Seam: 6.96mm

Width:
Maximum: 5.89mm
Top Orifice: 2.84mm
Bottom Orifice: 2.99mm

Thickness:
Rolled Over Side: 0.77mm
Side Opposite Seam: 1.06mm

Weight: 0.8g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 26-50% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A throughout with accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges worn and lower edge has some polish. Some possible polish on left side, side opposite seam, and right side. Seam of rolled over edge smoothed against rest of bead body with some possible material placed between this edge and the rolled under side in order to disguise the seam. Striations running transversely across piece and incisions appear to sprout perpendicularly from each edge.

Manufacturing Stage/Processes:

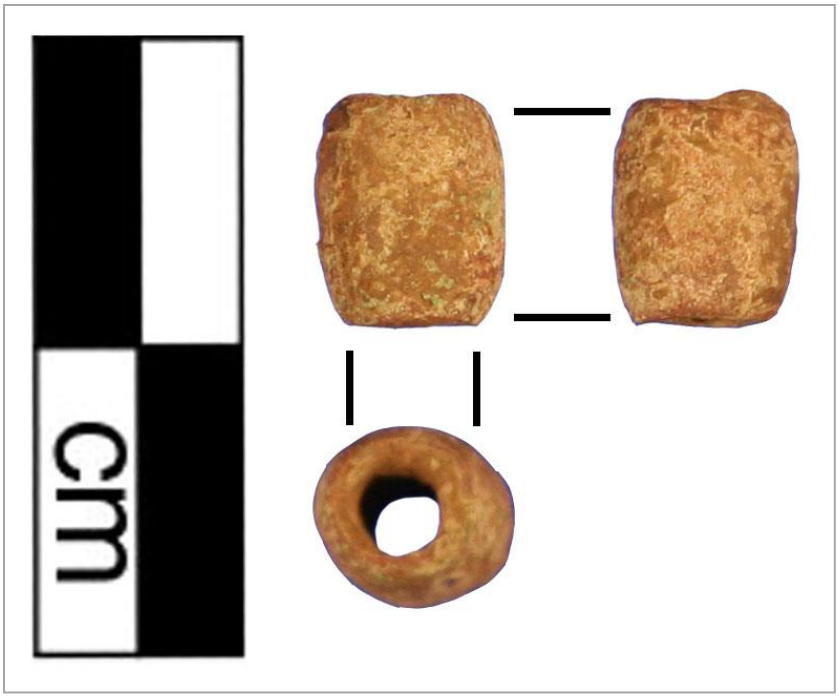
Level of Manufacture: Moderately refined manufactured artifact
Cross-Section Shape: Circular
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy

Decorations Present: Present
Decoration Description (if present): Incisions appear to sprout perpendicularly from each edge.

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: Globular
Seam Alignment: Flush
General Comments:



Artifact: B72-199

Recorder: JMP **Date:** 5/23/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 13.31mm
Seam: 9.17mm
Side Opposite Seam: 13.31mm

Width:
Maximum: 4.83mm
Top Orifice: 2.46mm
Bottom Orifice: 3.29mm

Thickness:
Rolled Over Side: 0.69mm
Side Opposite Seam: 0.66mm

Weight: 0.4g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present

Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present

Loss:
Broken Piece: Not present
Nicks: Present

Retooling:
Resharpened: Not present
Repaired: Not present

Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges smoothed. Upper edge has some polish and top edge of rolled under side is worn down. Lower edge has numerous cracks and nicks. Seam of rolled over edge smoothed against rest of bead body. Striations run transversely across entire bead body. Upper half of side opposite seam bent slightly inward.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-200

Recorder: JMP **Date:** 5/23/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 6.9mm
Seam: 6.3mm
Side Opposite Seam: 6.7mm

Width:
Maximum: 4.89mm
Top Orifice: 2.14mm
Bottom Orifice: 2.53mm

Thickness:
Rolled Over Side: 0.89mm
Side Opposite Seam: 0.98mm

Weight: 0.5g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with some accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed with lower edge possibly having some polish. Seam edge of rolled over side was either made from an irregularly shaped blank or there was an oval-shaped impression stamped into the longitudinal center of the bead along this edge. Two cracks or incisions made on each side of this impression stemming from impression diagonally in opposite directions. Striations running transversely across entire bead.

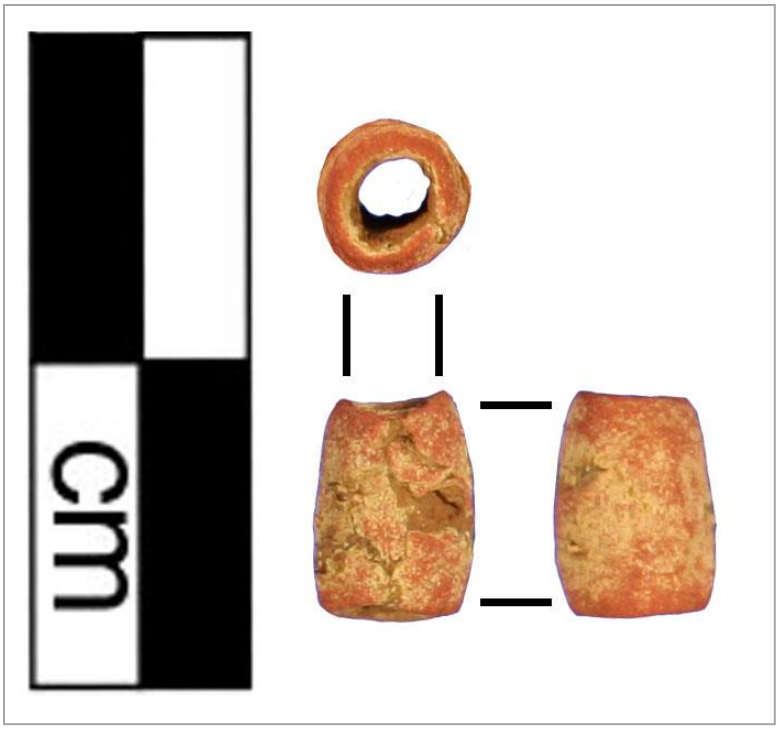
Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present
Decoration Description (if present): Two cracks or incisions made on each side of this impression stemming from impression diagonally in opposite directions.
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:



Artifact: B72-201

Recorder: JMP **Date:** 5/23/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 11.51mm
Seam: 8.35mm
Side Opposite Seam: 10.8mm

Width:
Maximum: 5.85mm
Top Orifice: 3.84mm
Bottom Orifice: 4.12mm

Thickness:
Rolled Over Side: 0.39mm
Side Opposite Seam: 0.7mm

Weight: 0.7g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with some accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present

Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present

Loss:
Broken Piece: Not present
Nicks: Present

Retooling:
Resharpened: Not present
Repaired: Not present

Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges smoothed with some possible polish. Both edges have worn nicks in corners of bead's boxy corners. Lower edge has more small nicks and one portion is bent inward. Upper edge of rolled over side and right side is bent inward significantly. Seam of rolled over edge smoothed against rest of bead body. Striations run longitudinally across entire bead body.

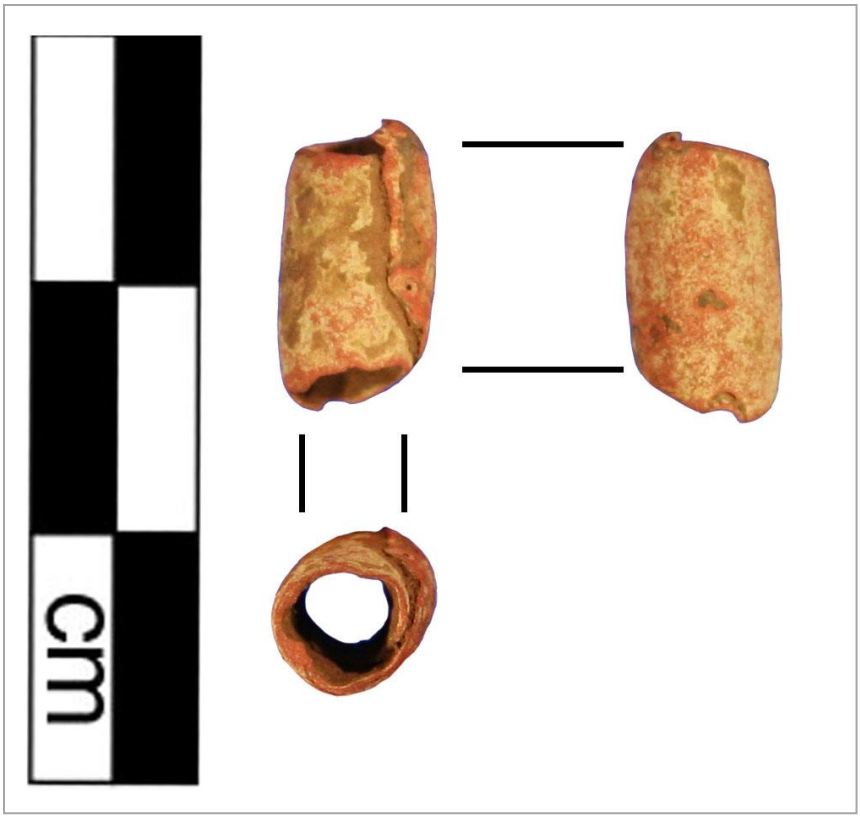
Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:



Artifact: B72-202

Recorder: JMP **Date:** 5/23/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 10.76mm
Seam: 10.68mm
Side Opposite Seam: 10.47mm

Width:
Maximum: 5.17mm
Top Orifice: 3.5mm
Bottom Orifice: 2.27mm

Thickness:
Rolled Over Side: 0.85mm
Side Opposite Seam: 0.56mm

Weight: 0.8g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with some accretions.

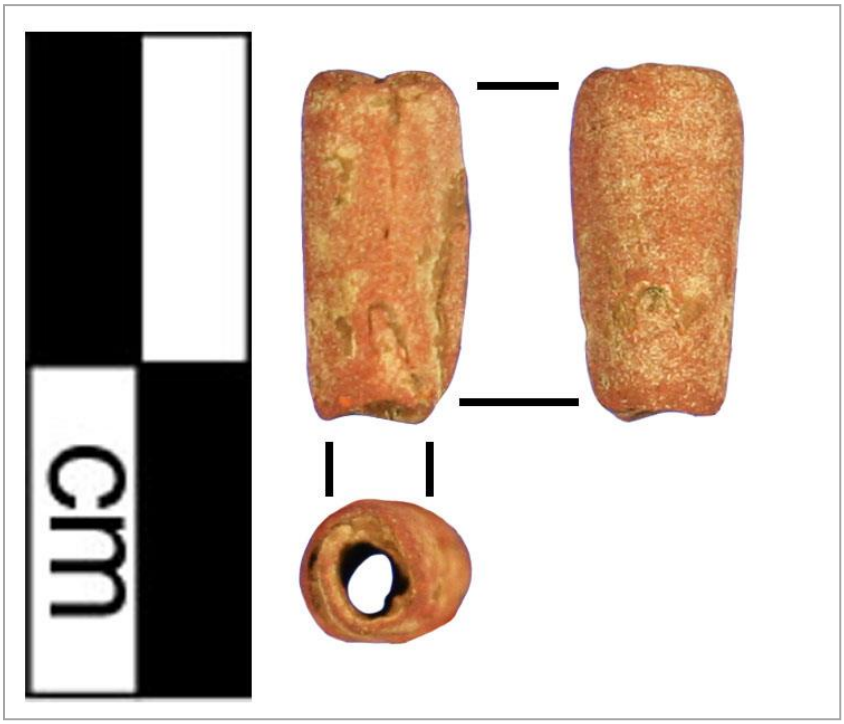
Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges are smooth with some worn nicks. Upper edge has additional small nicks. Cracks in lower left side running perpendicular to lower edge. Striations running longitudinally along bead body, especially on side opposite seam. Seam of rolled over edge smoothed against rest of bead body with some possible material placed between this edge and the rolled under side in order to disguise the seam.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Cross-Section Shape: Oval
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - on interior?



Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-203

Recorder: JMP **Date:** 5/23/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 8.66mm
Seam: 6.18mm
Side Opposite Seam: 7.88mm

Width:
Maximum: 4.71mm
Top Orifice: 2.46mm
Bottom Orifice: 3.32mm

Thickness:
Rolled Over Side: 0.48mm
Side Opposite Seam: 0.5mm

Weight: 0.4g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 51-75% of object
Type C: Present on 76-100% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A, B, and C throughout with some accretions.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smooth with possible polish. Two worn nicks on side opposite seam and lower edge of rolled under seam is slightly worn down. Seam of rolled over edge smoothed against rest of bead body with some possible material placed between this edge and the rolled under side in order to disguise the seam. Possible striations running longitudinally along bead body.

Manufacturing Stage/Processes:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Polygonal

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-204

Recorder: JMP **Date:** 5/23/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 5.34mm
Seam: 4.89mm
Side Opposite Seam: 5.03mm

Width:
Maximum: 5.36mm
Top Orifice: 2.5mm
Bottom Orifice: 2.46mm

Thickness:
Rolled Over Side: 0.4mm
Side Opposite Seam: 0.48mm

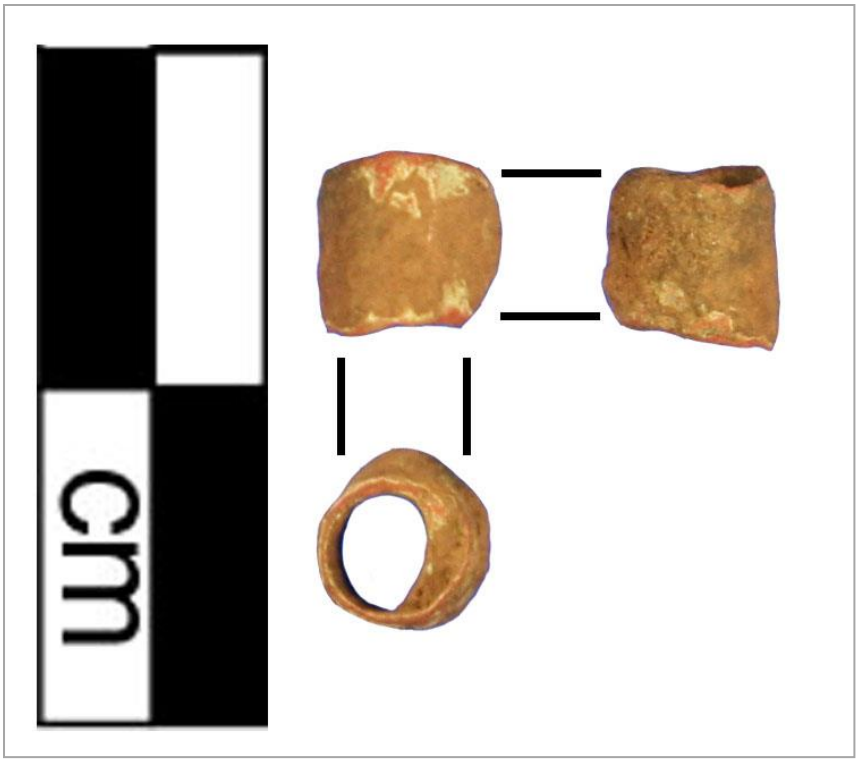
Weight: 0.3g

Patina:
Type A: Present on 26-50% of object
Type B: Present on 26-50% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with some of Types A, B, and C.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges are smooth with possible polish. Lower edge has some small worn nicks. Possible polish on bead body. Possible cross-hatched incised design on left side and longitudinal incisions on side opposite seam. Seam and rolled over and under sides are covered in thick accretions and cannot be observed.

Manufacturing Stage/Processes:
Level of Manufacture: Finely manufactured artifact
Cross-Section Shape: Oval
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Present
Decoration Description (if present): Possible cross-hatched incised design on left side and longitudinal incisions on side opposite seam.
Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: 5
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:



Artifact: B72-205

Recorder: JMP **Date:** 5/23/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 9.13mm
Seam: 8.15mm
Side Opposite Seam: 8.54mm

Width:
Maximum: 4.83mm
Top Orifice: 3.19mm
Bottom Orifice: 2.91mm

Thickness:
Rolled Over Side: 0.26mm
Side Opposite Seam: 0.72mm

Weight: 0.4g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 51-75% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with some accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present

Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present

Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges are smoothed with outer layer having a cracked/layered appearance and numerous nicks on each end. Striations running transversely across entire bead. Seam of rolled over edge smoothed against rest of bead body with some possible black material placed between this edge and the rolled under side in order to disguise the seam.

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured artifact **Cross-Section Shape:** Oval

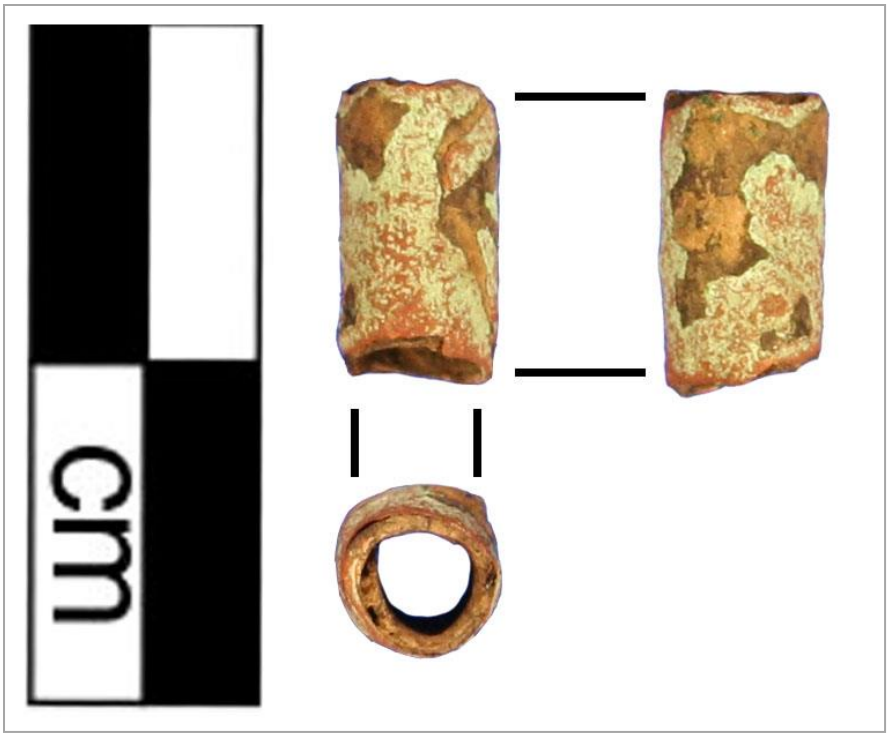
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy

Decorations Present: Not present
Decoration Description (if present):

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 360+ degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:



Artifact: B72-206

Recorder: JMP **Date:** 5/23/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 10.41mm
Seam: 9.68mm
Side Opposite Seam: 10.3mm

Width:
Maximum: 5.72mm
Top Orifice: 2.51mm
Bottom Orifice: 3.56mm

Thickness:
Rolled Over Side: 0.72mm
Side Opposite Seam: 0.78mm

Weight: 0.9g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 51-75% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C throughout with some Type A and accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges are smoothed and bent slightly inwards. Upper bead edge may have some polish. Seam of rolled over edge smoothed against rest of bead body with some possible black material placed between this edge and the rolled under side in order to disguise the seam. Three incisions running longitudinally across right side and two running longitudinally across side opposite seam and left side. Possible striations running transversely across bead body.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Not present

Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-207

Recorder: JMP **Date:** 5/23/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 8.02mm
Seam: 3.77mm
Side Opposite Seam: 7.85mm

Width:
Maximum: 8.43mm
Top Orifice: 6.69mm
Bottom Orifice: 5.5mm

Thickness:
Rolled Over Side: 0.66mm
Side Opposite Seam: 0.7mm

Weight: 0.6g

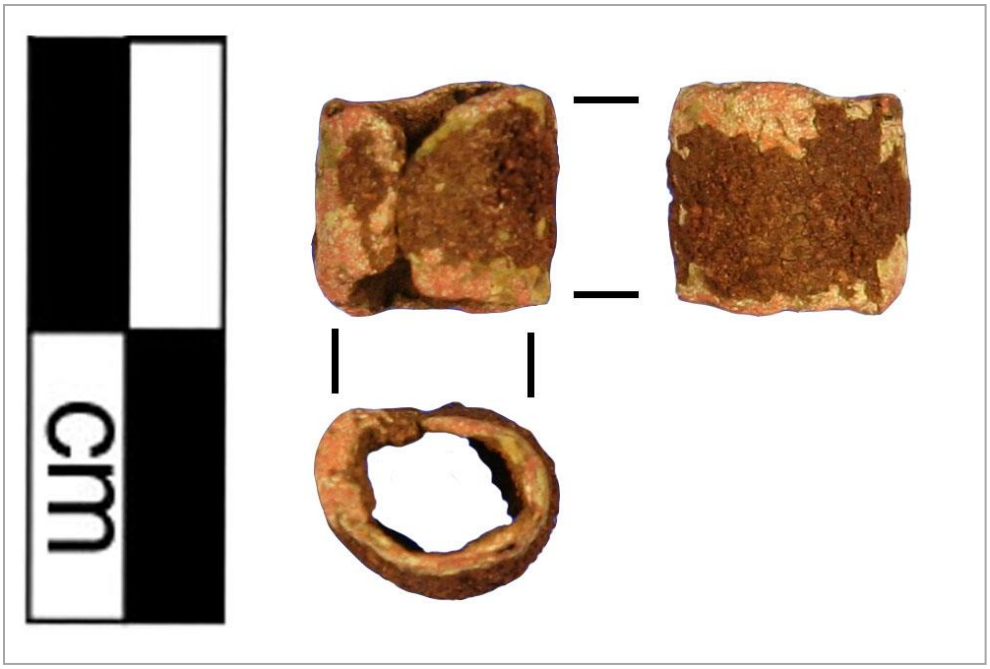
Patina:
Type A: Present on 76-100% of object
Type B: Present on 26-50% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with Types A and C.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges are smoothed and bent slightly inwards. Cross-hatched incisions on visible areas of bead body. Nick in upper right side. Bead possible smashed down at some point after manufacture.

Manufacturing Stage/Processes:
Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Present
Decoration Description (if present): Cross-hatched incisions on visible areas of bead body.
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Pinched
Special Shape: No special shape
Seam Alignment: Flush
General Comments: Seam edges are just touching with one side slightly over the other.



Artifact: B72-208

Recorder: JMP **Date:** 5/23/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 8.15mm
Seam: 7.68mm
Side Opposite Seam: 7.99mm

Width:
Maximum: 4.52mm
Top Orifice: 2.31mm
Bottom Orifice: 2.35mm

Thickness:
Rolled Over Side: 0.53mm
Side Opposite Seam: 0.74mm

Weight: 0.3g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 26-50% of object
Type C: Present on 76-100% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C throughout with some Type A and accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present

Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present

Loss:
Broken Piece: Not present
Nicks: Present

Retooling:
Resharpened: Not present
Repaired: Not present

Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges are smoothed. Lower edge has some nicks including large worn nick on left side. Small nick on lower edge of rolled over side. Striations running transversely across bead body. Cracks on right side.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 271-260 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-209

Recorder: JMP **Date:** 5/23/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 9.13mm
Seam: 3.15mm
Side Opposite Seam: 8.85mm

Width:
Maximum: 5.23mm
Top Orifice: 3.25mm
Bottom Orifice: 3.53mm

Thickness:
Rolled Over Side: 0.41mm
Side Opposite Seam: 0.62mm

Weight: 0.3g

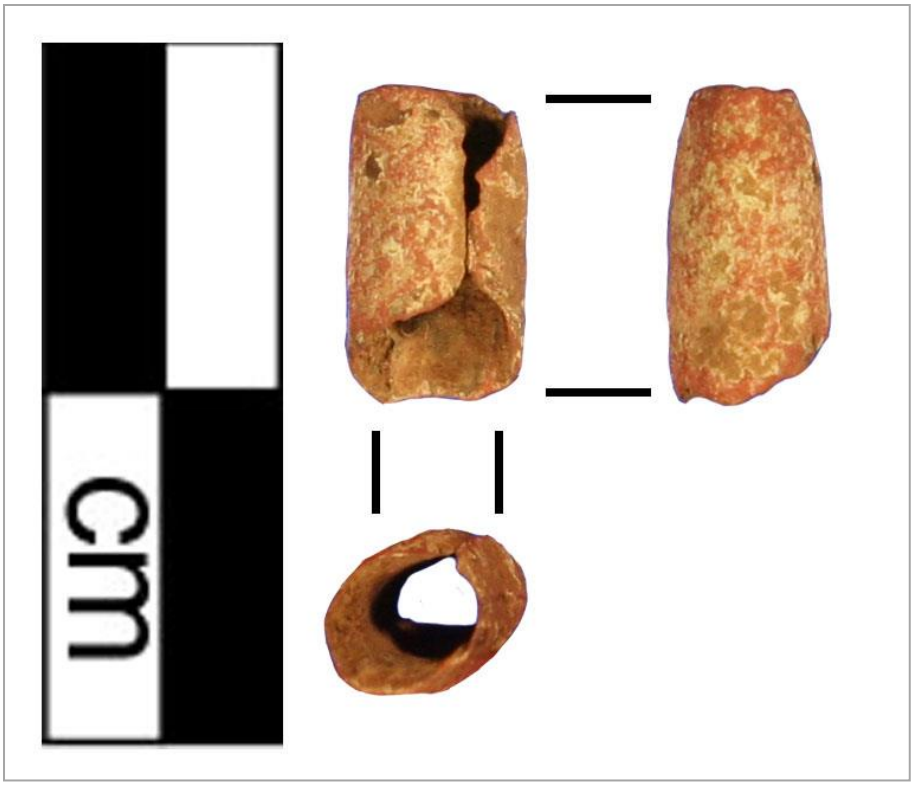
Patina:
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with some accretions.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges are smoothed with polish. Lower edge has significant nicks along entirety and upper edge has nick on right side. Possible striations running longitudinally along entire bead body.

Manufacturing Stage/Processes:
Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments: Seam edges are just touching with one side slightly over the other.



Artifact: B72-210

Recorder: JMP **Date:** 5/23/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 6.67mm
Seam: 4.36mm
Side Opposite Seam: 6.69mm

Width:
Maximum: 4.18mm
Top Orifice: 1.77mm
Bottom Orifice: 2.53mm

Thickness:
Rolled Over Side: 0.43mm
Side Opposite Seam: 0.44mm

Weight: 0.2g

Patina:

Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 1-25% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C throughout with some Type A and accretions.

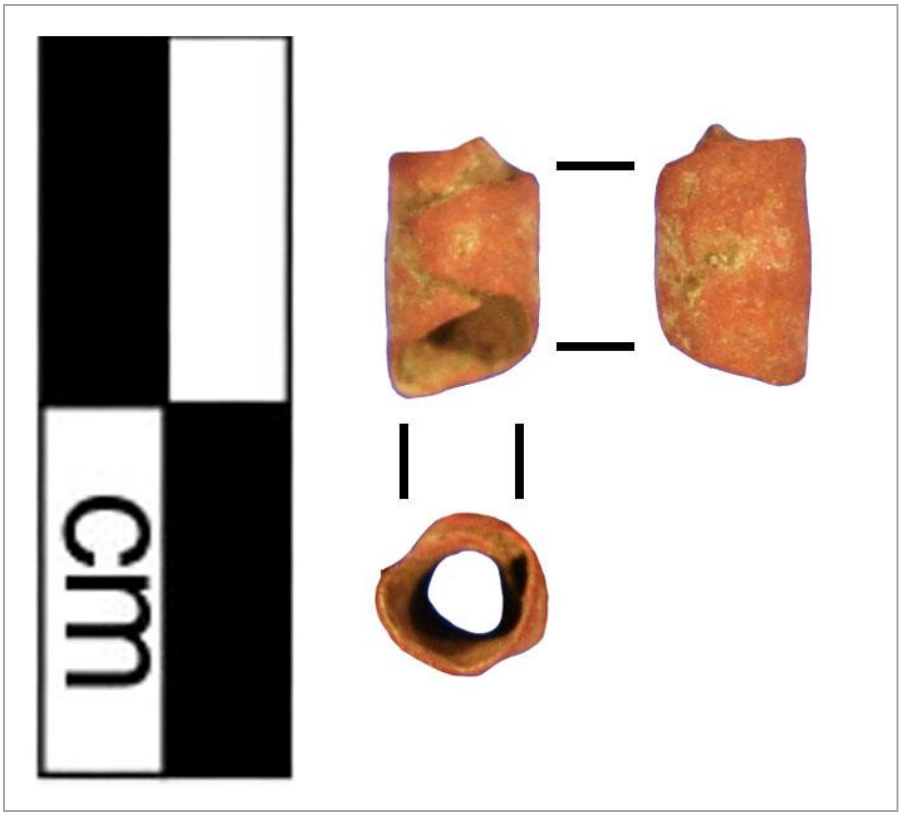
Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed. Seam of rolled over edge smoothed against rest of bead body. Slight inward bend in center of side opposite seam.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Cross-Section Shape: Triangular
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Not present
Decoration Description (if present):

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N



Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-211

Recorder: JMP **Date:** 5/23/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 6.16mm
Seam: 5.63mm
Side Opposite Seam: 5.76mm

Width:
Maximum: 5.38mm
Top Orifice: 2.55mm
Bottom Orifice: 3.33mm

Thickness:
Rolled Over Side: 0.79mm
Side Opposite Seam: 0.97mm

Weight: 0.4g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Present on 76-100% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with spots of Type A.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Majority of bead surface covered in thick dark accretions. Possible polish throughout bead body, though this may just be accretions. Bead looks barely changed from any use and disposal.

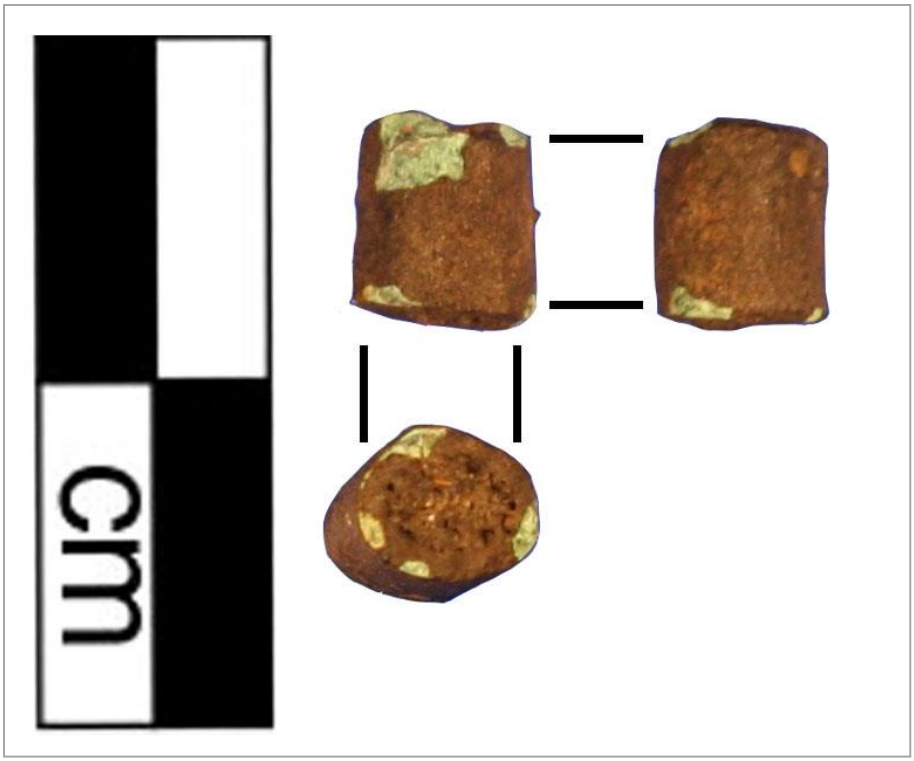
Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Not present

Decoration Description (if present):
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No):
M - on interior?

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: 5
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Indeterminate
Special Shape: No special shape
Seam Alignment: Flush
General Comments: Bead looks barely changed from any use and disposal.



Artifact: B72-212

Recorder: JMP **Date:** 5/23/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 6.07mm
Seam: 4.53mm
Side Opposite Seam: 5.42mm

Width:
Maximum: 5.08mm
Top Orifice: 3.51mm
Bottom Orifice: 3.11mm

Thickness:
Rolled Over Side: 0.62mm
Side Opposite Seam: 0.57mm

Weight: 0.3g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 26-50% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present

Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present

Loss:
Broken Piece: Not present
Nicks: Present

Retooling:
Resharpened: Not present
Repaired: Not present

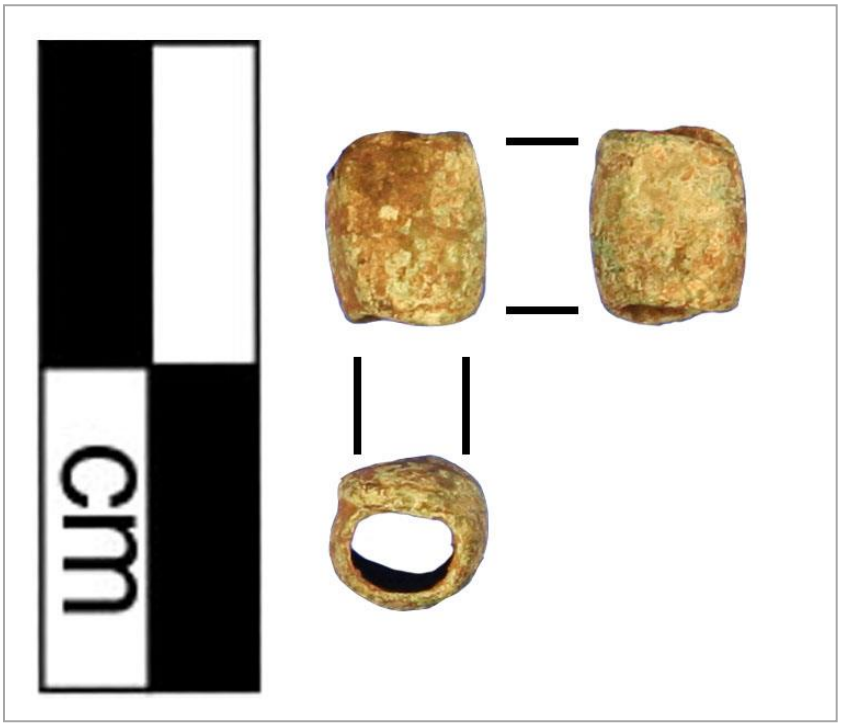
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges smoothed. Lower edge has some potential polish and lower edge has nick in left side. Possible polish on bead body, especially on rolled over side. Running transversely near seam edge of rolled over side is a line of impressions, possibly an attempt to smooth seam edge. Striations/incisions running longitudinally along entire bead body.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Present
Decoration Description (if present): Running transversely near seam edge of rolled over side is a line of impressions, possibly an attempt to smooth seam edge. Striations/incisions running longitudinally along entire bead body.
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N



Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Flared
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: Globular
Seam Alignment: Askew
General Comments:

Artifact: B72-213

Recorder: JMP **Date:** 5/23/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 11.57mm
Seam: 10.94mm
Side Opposite Seam: 10.15mm

Width:
Maximum: 4.29mm
Top Orifice: 2.98mm
Bottom Orifice: 3.18mm

Thickness:
Rolled Over Side: 0.53mm
Side Opposite Seam: 0.47mm

Weight: 0.5g

Patina:
Type A: Present on 51-75% of object
Type B: Present on 26-50% of object
Type C: Present on 1-25% of object
Type D: Present on 51-75% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Bead is distorted and it is difficult to determine original shape. Edges are smoothed with some polish. Two cracks perpendicular to top edge separated piece of material on top edge of rolled under side that was bent inward and surrounding areas were bent on top of. Right side's upper edge also bent inward. Lower two-thirds of bead bulged outward. Another two cracks stemming perpendicularly from lower edge of rolled under side and separated portion, surrounding areas to this portion were bent inward with the separated portion bent on top of. Polish on entire bead. Incisions/striations running longitudinally across entire bead body. Possibly repaired piece in prehistory?

Manufacturing Stage/Processes:
Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Indistinguishable or N/A
Decorations Present: Present
Decoration Description (if present): Incisions/striations running longitudinally across entire bead body.
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Indeterminate
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-214

Recorder: JMP **Date:** 5/23/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 13.15mm
Seam: 5.2mm
Side Opposite Seam: 10.91mm

Width:
Maximum: 4.38mm
Top Orifice: 2.83mm
Bottom Orifice: 2.86mm

Thickness:
Rolled Over Side: 0.42mm
Side Opposite Seam: 0.48mm

Weight: 0.4g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 26-50% of object
Type C: Present on 76-100% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and C throughout with some accretions.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges are smoothed. Upper edge of side opposite seam has worn nick. Lower half of rolled under side has been broken off with cracks stemming off of it. Seam of rolled over edge smoothed against rest of bead body. Lower edge of bead has numerous nicks and worn areas.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Indeterminate
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-215

Recorder: JMP **Date:** 5/23/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 9.04mm
Seam: 8.18mm
Side Opposite Seam: 8.25mm

Width:
Maximum: 4.02mm
Top Orifice: 2.55mm
Bottom Orifice: 2.54mm

Thickness:
Rolled Over Side: 0.36mm
Side Opposite Seam: 0.61mm

Weight: 0.3g

Patina:

Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Types A and C mostly along edges.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges are smoothed. Lower edge has two larger worn nicks on side opposite seam and on lower edge of rolled under side. Seam of rolled over edge smoothed against rest of bead body. Possible striations running longitudinally along bead's body. Bead possibly slightly squished with seam edge and side opposite seam getting closer or was made in an oval shape.

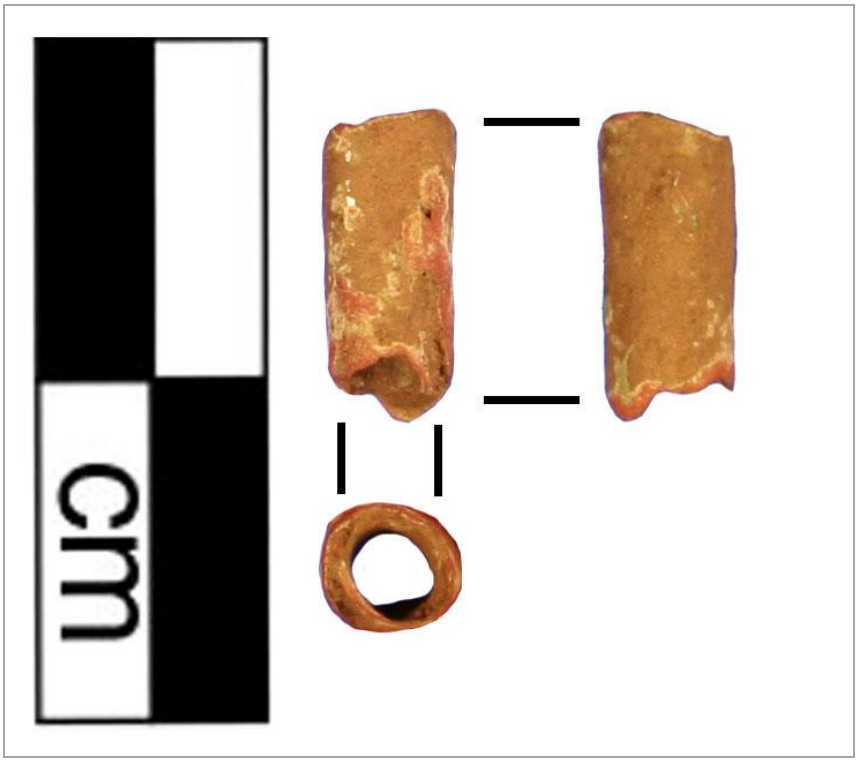
Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 271-260 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:



Artifact: B72-216

Recorder: JMP **Date:** 5/23/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 12.07mm
Seam: 9.3mm
Side Opposite Seam: 11.14mm

Width:
Maximum: 4.13mm
Top Orifice: 3.23mm
Bottom Orifice: 3.06mm

Thickness:
Rolled Over Side: 0.39mm
Side Opposite Seam: 0.35mm

Weight: 0.3g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout with Type C along edges and bends.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges are smoothed. Top edge has one nick in center of rolled under side and lower edge has numerous nicks and worn areas throughout. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Flared
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Pinched
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-217

Recorder: JMP **Date:** 5/23/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 8.02mm
Seam: 5.76mm
Side Opposite Seam: 8.01mm

Width:
Maximum: 7.11mm
Top Orifice: 5.28mm
Bottom Orifice: 4.78mm

Thickness:
Rolled Over Side: 0.38mm
Side Opposite Seam: 0.85mm

Weight: 0.5g

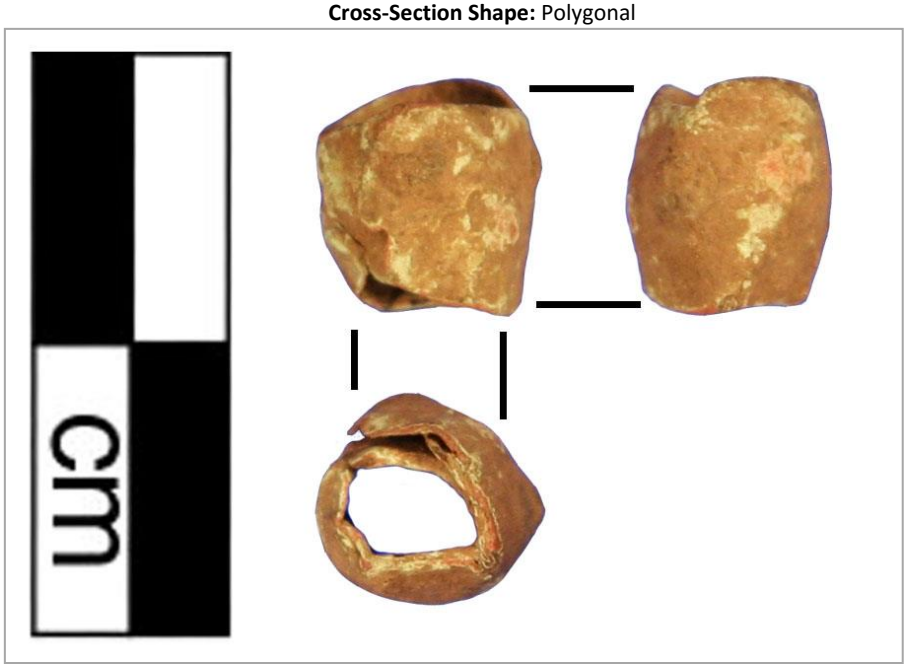
Patina:
Type A: Present on 51-75% of object
Type B: Present on 26-50% of object
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Type A.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges are smoothed and bent slightly inward. Upper edge has some polish. Lower edge of rolled under side has nick and crack. Additional worn cracks on lower edge. Upper right edge has small nick. Seam edge of rolled under side is slightly splayed from bead body and has a "warped" appearance. Some incisions/striations running diagonally from seam edge of rolled over side and is accompanied with some polish. Some cracks and polish on rolled under side.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present
Decoration Description (if present): Some incisions/striations running diagonally from seam edge of rolled over side.
Cross-Section Shape: Polygonal

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: Globular
Seam Alignment: Flush
General Comments:



Artifact: B72-218

Recorder: JMP **Date:** 5/23/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 9.08mm
Seam: 7.98mm
Side Opposite Seam: 7.08mm

Width:
Maximum: 6.08mm
Top Orifice: 3.97mm
Bottom Orifice: 3.98mm

Thickness:
Rolled Over Side: 0.45mm
Side Opposite Seam: 0.39mm

Weight: 0.5g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 51-75% of object
Type C: Not present
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A throughout with some Type B and accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges smoothed with some worn areas and small nicks. Tab of material on lower corner of left side broken off from rest of body and bent away from rest of bead body. Striations and incisions running longitudinally on bead body with incisions mostly on right and left side and side opposite seam.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present
Decoration Description (if present): Striations and incisions running longitudinally on bead body with incisions mostly on right and left side and side opposite seam.
Cross-Section Shape: Square

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-219

Recorder: JMP **Date:** 5/23/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 20.41mm
Seam: 17.81mm
Side Opposite Seam: 17.38mm

Width:
Maximum: 7.56mm
Top Orifice: 6.59mm
Bottom Orifice: 5.78mm

Thickness:
Rolled Over Side: 0.31mm
Side Opposite Seam: 0.33mm

Weight: 0.7g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 26-50% of object
Type C: Present on 1-25% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout with some Type B.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges exhibit much wear with cracks, nicks, and worn losses throughout. Rolled over side is slightly splayed from rest of bead body. Polish on upper half of rolled over side. Seam edge of rolled over side has some incisions or impression running perpendicularly to edge, possibly in an effort to smooth seam against rest of body.

Manufacturing Stage/Processes:
Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Polygonal

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Pinched
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-220

Recorder: JMP **Date:** 5/23/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 17.45mm
Seam: 11.61mm
Side Opposite Seam: 16.69mm

Width:
Maximum: 6.93mm
Top Orifice: 5.04mm
Bottom Orifice: 5.26mm

Thickness:
Rolled Over Side: 0.86mm
Side Opposite Seam: 0.58mm

Weight: 0.9g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 26-50% of object
Type C: Present on 76-100% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed. Upper edge has nick near center of rolled over side. Lower edge has numerous nicks and worn areas throughout. Seam of rolled over edge smoothed against rest of bead body. Cracks throughout rolled over side.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-221

Recorder: JMP **Date:** 5/23/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 8.23mm
Seam: 6.18mm
Side Opposite Seam: 7.61mm

Width:
Maximum: 5.54mm
Top Orifice: 3.19mm
Bottom Orifice: 3.05mm

Thickness:
Rolled Over Side: 0.68mm
Side Opposite Seam: 0.68mm

Weight: 0.4g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present

Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present

Loss:
Broken Piece: Not present
Nicks: Present

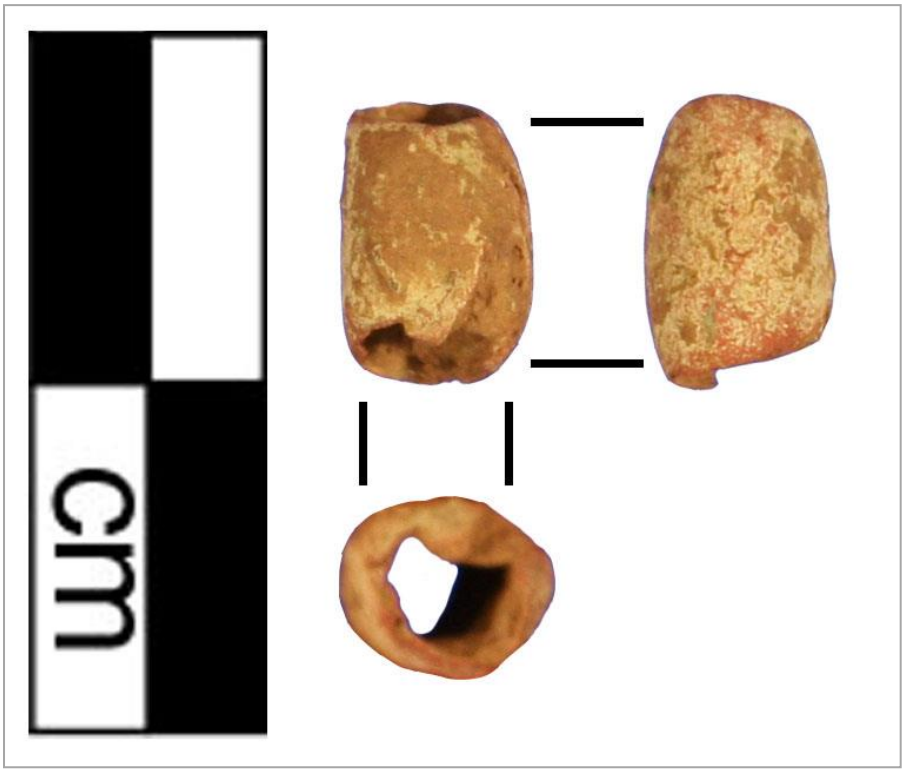
Retooling:
Resharpened: Not present
Repaired: Not present

Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges smoothed and bent slightly inward. Lower bead edge has two large worn nicks on rolled under side portion. Seam of rolled over edge smoothed against rest of bead body. Striations running transversely across entire bead body.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Cross-Section Shape: Oval
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):



Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Flared
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-222

Recorder: JMP **Date:** 5/24/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 6.42mm
Seam: 5.64mm
Side Opposite Seam: 6.39mm

Width:
Maximum: 5.52mm
Top Orifice: 2.84mm
Bottom Orifice: 2.98mm

Thickness:
Rolled Over Side: 1.05mm
Side Opposite Seam: 1.04mm

Weight: 0.5g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Not present
Incisions: Present

Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present

Loss:
Broken Piece: Not present
Nicks: Present

Retooling:
Resharpened: Not present
Repaired: Not present

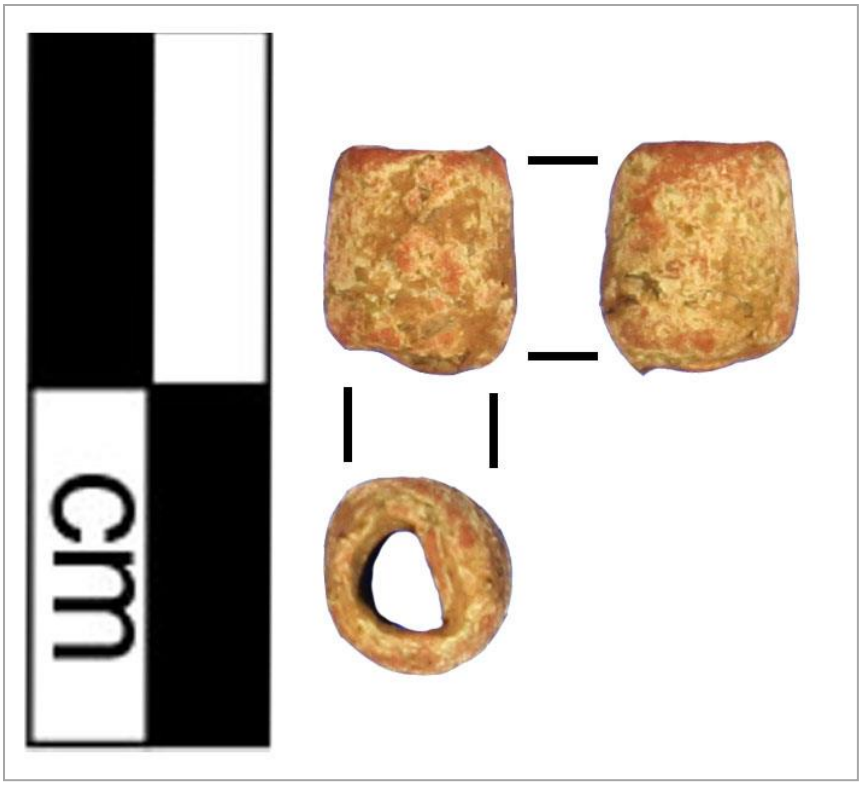
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges smoothed. Lower edge has some potential polish and lower edge has nick in left side. Possible incisions running longitudinally along bead body, though these could also be cracks in the surface. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Present

Decoration Description (if present): Possible incisions running longitudinally along bead body, though these could also be cracks in the surface.
Cross-Section Shape: Oval



Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-223 **Recorder:** JMP **Date:** 5/24/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 19.58mm
Seam: 18.34mm
Side Opposite Seam: 18.54mm

Width:
Maximum: 5.34mm
Top Orifice: 3.05mm
Bottom Orifice: 3.55mm

Thickness:
Rolled Over Side: 0.59mm
Side Opposite Seam: 0.56mm

Weight: 1.3g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 26-50% of object
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout with some of Types B and C.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed. Lower edge has three worn nicks: two in side opposite seam and one on rolled under side. Small tab of material on lower edge of rolled under side is bent inward. Upper edge has two worn nicks: one on rolled under portion and one on side opposite seam. Upper right edge has numerous cracks running perpendicularly to bead edge and areas separated by these cracks have been bent inward. Some cracks stemming perpendicularly to bottom right side's lower edge. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-224

Recorder: JMP **Date:** 5/24/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 7.16mm
Seam: 7.18mm
Side Opposite Seam: 6.57mm

Width:
Maximum: 4.69mm
Top Orifice: 2.14mm
Bottom Orifice: 2.69mm

Thickness:
Rolled Over Side: 0.98mm
Side Opposite Seam: 0.61mm

Weight: 0.4g

Patina:
Type A: Present on 51-75% of object
Type B: Present on 51-75% of object
Type C: Not present
Type D: Present on 51-75% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Types A and B.

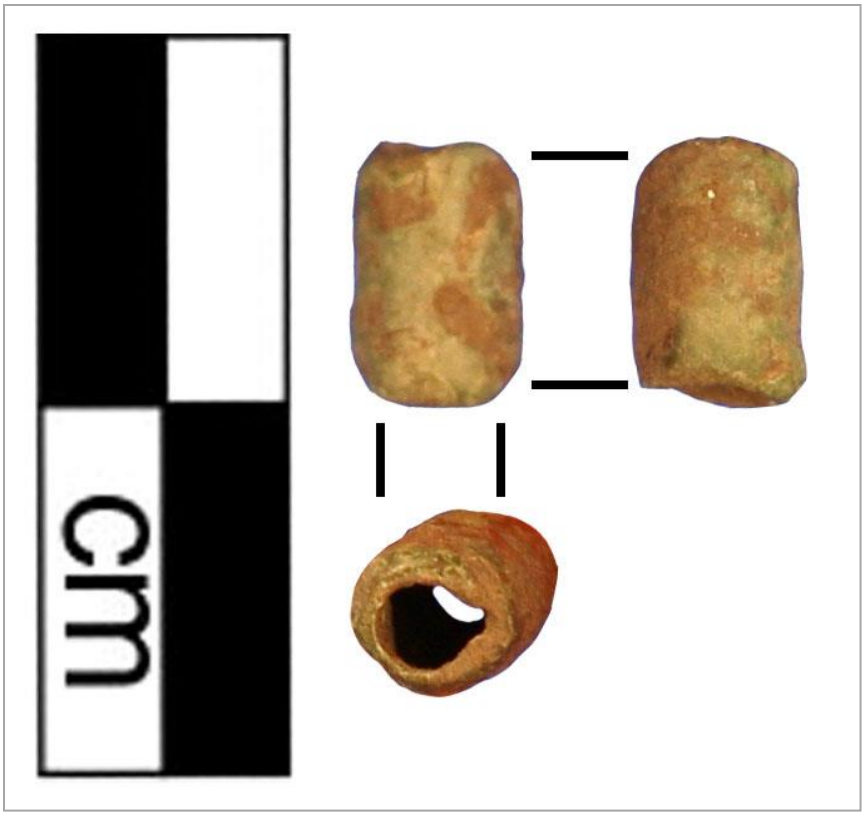
Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed and top edge may have some polish. Numerous impressions on rolled under and left side possibly made by a tool with an irregular surface. Additional impressions on rolled over side and rolled under side near seam edge. Polish on bead's body throughout.

Manufacturing Stage/Processes:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:



Artifact: B72-225

Recorder: JMP **Date:** 5/24/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 6.17mm
Seam: 5.96mm
Side Opposite Seam: 5.99mm

Width:
Maximum: 5.38mm
Top Orifice: 1.71mm
Bottom Orifice: 2.29mm

Thickness:
Rolled Over Side: 1.19mm
Side Opposite Seam: 1.14mm

Weight: 0.6g

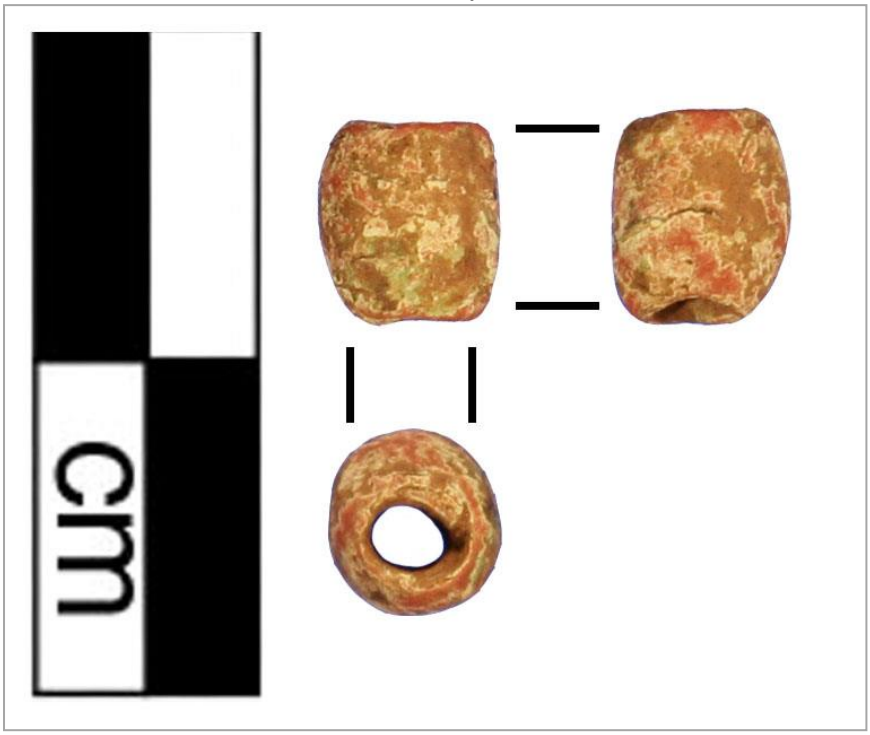
Patina:
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges are smoothed. Seam of rolled over edge smoothed against rest of bead body with some possible material placed between this edge and the rolled under side in order to disguise the seam. Possible polish on lower left side of bead. Surface has some cracks and possible incisions.

Manufacturing Stage/Processes:
Level of Manufacture: Finely manufactured artifact
Cross-Section Shape: Circular
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth
Decorations Present: Not present
Decoration Description (if present):

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: Globular
Seam Alignment: Flush
General Comments:



Artifact: B72-226

Recorder: JMP **Date:** 5/24/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 9.01mm
Seam: 7.49mm
Side Opposite Seam: 7.93mm

Width:
Maximum: 5.72mm
Top Orifice: 3.88mm
Bottom Orifice: 3.34mm

Thickness:
Rolled Over Side: 0.49mm
Side Opposite Seam: 1.13mm

Weight: 0.5g

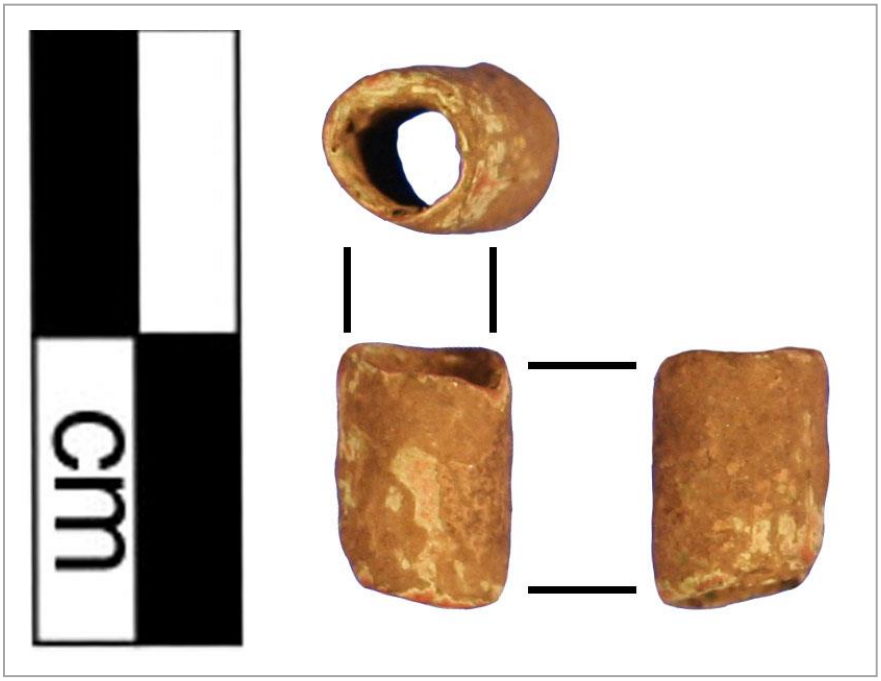
Patina:
Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with spots of Type A.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed. Clear incisions/striations running transversely across bead surface on rolled over side, which could be on rest of bead but thick accretions make surface unobservable. Seam of rolled over edge smoothed against rest of bead body with some possible material placed between this edge and the rolled under side in order to disguise the seam. Some possible polish on lower right side.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present
Decoration Description (if present): Clear incisions/striations running transversely across bead surface on rolled over side, which could be on rest of bead but thick accretions make surface unobservable.
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:



Artifact: B72-227

Recorder: JMP **Date:** 5/24/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 10.34mm
Seam: 9.49mm
Side Opposite Seam: 9.67mm

Width:
Maximum: 5.72mm
Top Orifice: 4mm
Bottom Orifice: 3.08mm

Thickness:
Rolled Over Side: 0.7mm
Side Opposite Seam: 0.7mm

Weight: 0.7g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 51-75% of object
Type C: Present on 51-75% of object
Type D: Present on 51-75% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with areas of Types B and D and accretions.

Manufacturing Marks and/or Use-Wear:

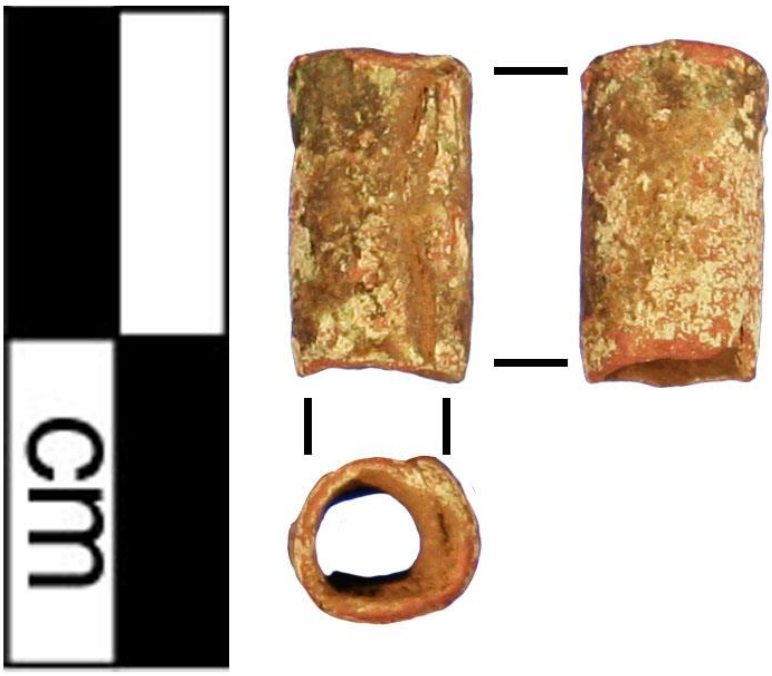
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges smoothed with numerous small nicks and upper edge of side opposite seam has worn nick in center. Bead possibly squished after manufacture with seam side and side opposite seam being pressed closer together. Seam edge of rolled over side has some incisions running transversely near edge, possibly an attempt to smooth seam against rest of bead body. Possible striations running longitudinally across entire bead body.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Not present

Decoration Description (if present):
Cross-Section Shape: Oval



Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-228

Recorder: JMP **Date:** 5/24/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 13.27mm
Seam: 11.56mm
Side Opposite Seam: 12.53mm

Width:
Maximum: 6.28mm
Top Orifice: 2.94mm
Bottom Orifice: 3.4mm

Thickness:
Rolled Over Side: 0.77mm
Side Opposite Seam: 1.08mm

Weight: 1.3g

Patina:

Type A: Present on 1-25% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 76-100% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with some Type A.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed. Polish on upper right side. Worn nick on lower edge of rolled over side. Possible striations running longitudinally throughout, but especially along seam edge of rolled over side.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-229

Recorder: JMP **Date:** 5/24/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 7.3mm
Seam: 4.94mm
Side Opposite Seam: 6.42mm

Width:
Maximum: 5.77mm
Top Orifice: 2.23mm
Bottom Orifice: 2.9mm

Thickness:
Rolled Over Side: 1.23mm
Side Opposite Seam: 1.22mm

Weight: 0.7g

Patina:
Type A: Present on 51-75% of object
Type B: Present on 26-50% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Types A and C.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smooth with possible polish on upper right edge. Seam of rolled over edge smoothed against rest of bead body with some possible material placed between this edge and the rolled under side in order to disguise the seam. Possible crack stemming perpendicularly to rolled over side's seam edge. Incisions or cracks running longitudinally along upper half of rolled under and left sides. Bead possibly squished after manufacture with seam side and side opposite seam being pressed closer together.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth
Decorations Present: Present
Decoration Description (if present): Incisions or cracks running longitudinally along upper half of rolled under and left sides.
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Flared
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: Globular
Seam Alignment: Flush
General Comments:

Artifact: B72-230

Recorder: JMP **Date:** 5/24/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 5.6mm
Seam: 5.55mm
Side Opposite Seam: 5.03mm

Width:
Maximum: 4.73mm
Top Orifice: 2.26mm
Bottom Orifice: 2.49mm

Thickness:
Rolled Over Side: 1.05mm
Side Opposite Seam: 0.73mm

Weight: 0.4g

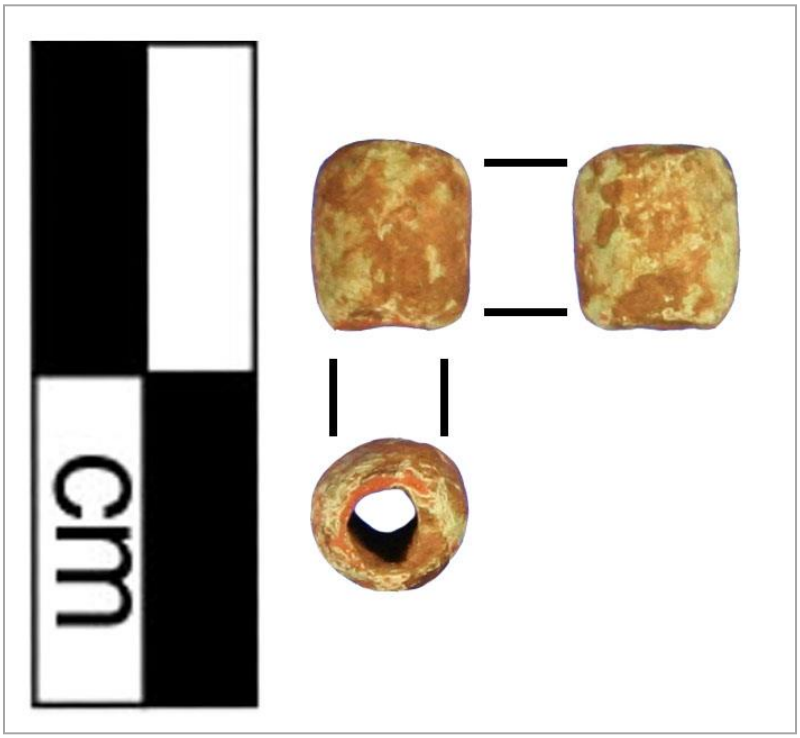
Patina:
Type A: Present on 76-100% of object
Type B: Present on 26-50% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and B throughout with accretions.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges are smoothed. Bead body has some polish. Seam of rolled over edge smoothed against rest of bead body in order to disguise the seam. Striations/incisions running longitudinally along bead's body, especially near lower edge of right side.

Manufacturing Stage/Processes:
Level of Manufacture: Finely manufactured artifact
Cross-Section Shape: Circular
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present

Decoration Description (if present): Striations/incisions running longitudinally along bead's body, especially near lower edge of right side.

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N



Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: Globular
Seam Alignment: Flush
General Comments:

Artifact: B72-231

Recorder: JMP **Date:** 5/24/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 12.64mm
Seam: 10.19mm
Side Opposite Seam: 11.3mm

Width:
Maximum: 5.5mm
Top Orifice: 3.64mm
Bottom Orifice: 3.76mm

Thickness:
Rolled Over Side: 0.54mm
Side Opposite Seam: 0.46mm

Weight: 0.3g

Patina:
Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with some Type A, which is mostly along edges.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges are smoothed. Upper edge has nicks in center of rolled under side and right and left sides. Rolled over side's seam edge has numerous cracks and appears distorted and slightly bent. Right side has crack stemming perpendicularly from lower edge that separates a tab of copper that is splayed from rest of bead body. Polish on side opposite seam and left side.

Manufacturing Stage/Processes:
Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Pinched
Special Shape: No special shape
Seam Alignment: Askew
General Comments: Lower portion of interior seam edge is pinched, but it is not at the exact end of the seam edge. Possible manufacturing mark, sign of use, or impurity in material.

Artifact: B72-232

Recorder: JMP **Date:** 5/24/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 12.69mm
Seam: 9.07mm
Side Opposite Seam: 12.34mm

Width:
Maximum: 4.18mm
Top Orifice: 2.18mm
Bottom Orifice: 3.77mm

Thickness:
Rolled Over Side: 0.42mm
Side Opposite Seam: 0.33mm

Weight: 0.3g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C with accretions throughout.

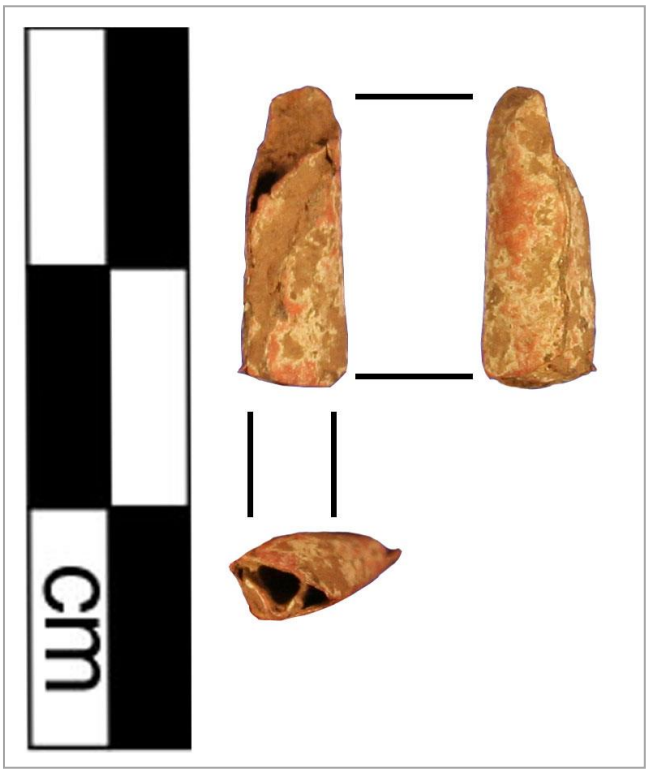
Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges smoothed. Lower edge has nicks in corners of bead's body cross-section and upper edge is entirely missing right, left, and seam sides which possibly broke off or was made to have side opposite seam jutting out. Bead possibly squished after manufacture with seam side and side opposite seam being pressed closer together. Cracks stemming perpendicularly from upper left edge and covering left side. Seam of rolled over edge smoothed against rest of bead body with some possible black material placed between this edge and the rolled under side in order to disguise the seam.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Triangular



Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - caught between layers of bead's rolled under and rolled over sides?

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 271-260 degrees
Rolled Under Seam Edge: Indeterminate
General Comments:
Special Shape: No special shape
Seam Alignment: Askew

Artifact: B72-233

Recorder: JMP **Date:** 5/24/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 12.33mm
Seam: 10.23mm
Side Opposite Seam: 11.22mm

Width:
Maximum: 4.72mm
Top Orifice: 2.67mm
Bottom Orifice: 3.07mm

Thickness:
Rolled Over Side: 0.49mm
Side Opposite Seam: 0.41mm

Weight: 0.4g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C with accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

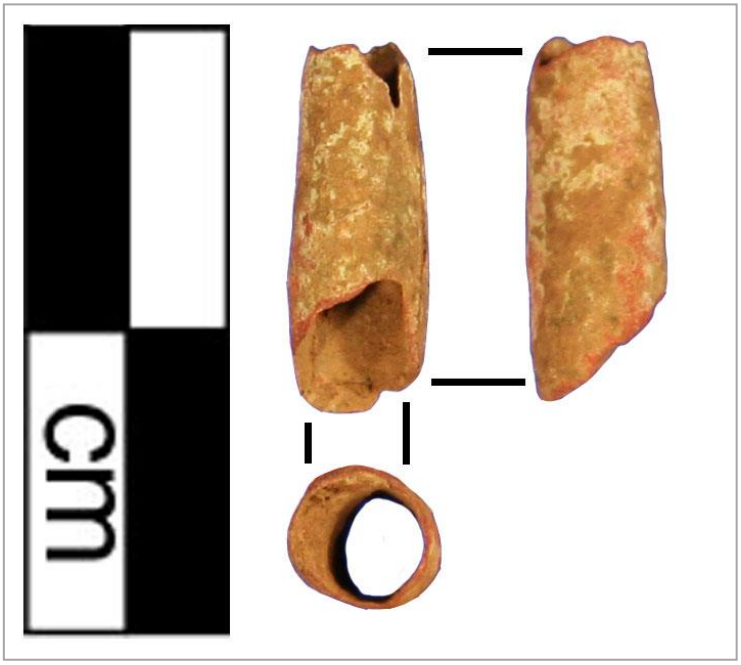
Description of Use-Wear Amount/Location: Edges are worn with significant losses. Upper edge has sizeable nicks in center of rolled under side and side opposite seam. Lower edge has nicks in right and left sides as well as significant losses to lower half of rolled under side. Seam of rolled over edge smoothed against rest of bead body with some possible black material placed between this edge and the rolled under side in order to disguise the seam. Possible small striations/incisions stemming perpendicularly to seam edge of rolled over side, probably to help with disguising seam edge.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present

Decoration Description (if present): Possible small striations/incisions stemming perpendicularly to seam edge of rolled over side, probably to help with disguising seam edge.
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N



Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-234

Recorder: JMP **Date:** 5/24/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 16.53mm
Seam: 14.55mm
Side Opposite Seam: 13.19mm

Width:
Maximum: 3.59mm
Top Orifice: 2.26mm
Bottom Orifice: 2.25mm

Thickness:
Rolled Over Side: 0.34mm
Side Opposite Seam: 0.56mm

Weight: 0.4g

Patina:

Type A: Present on 26-50% of object
Type B: Present on 26-50% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with Type A mostly along edges.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Thick accretions cover surface, especially rolled over seam edge, so surface is difficult to observe. Edges smoothed. Upper edge has worn nick on rolled over side and right side. Lower edge has two large cracks stemming perpendicularly from edge and separates a piece of material that is slightly splayed from the rest of the bead body. Lower third of bead body looks slightly bent and distorted as if all four sides were squished inwards.

Manufacturing Stage/Processes:

Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: 5
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Pinched
Special Shape: Tubular
Seam Alignment: Flush
General Comments:

Artifact: B72-235 **Recorder:** JMP **Date:** 5/24/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 6.41mm
Seam: 4.7mm
Side Opposite Seam: 5.56mm

Width:
Maximum: 5.74mm
Top Orifice: 2.47mm
Bottom Orifice: 3.4mm

Thickness:
Rolled Over Side: 0.51mm
Side Opposite Seam: 0.5mm

Weight: 0.4g

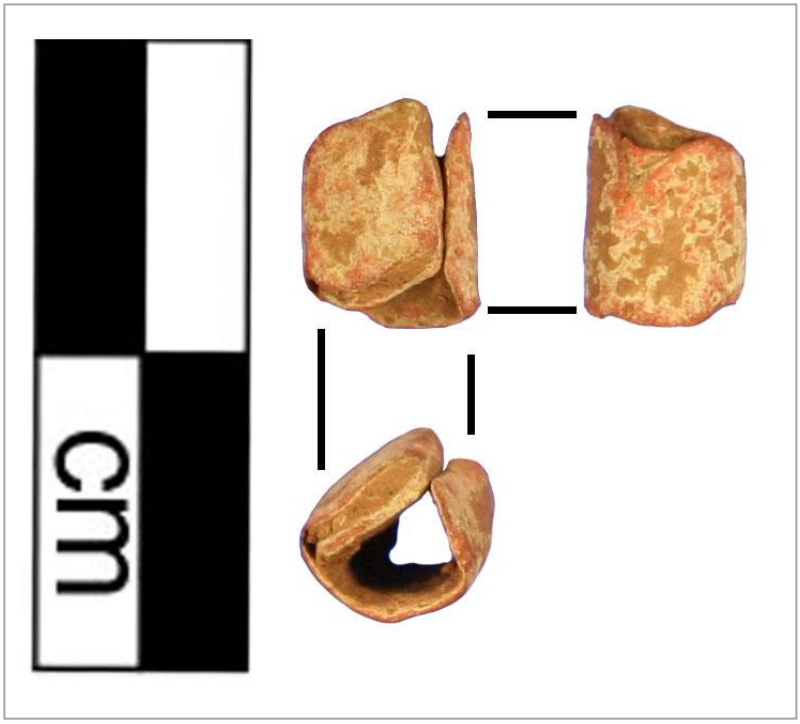
Patina:
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C with accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Entirety of interior portion of rolled under seam being bent totally backwards and flush against the rolled under side. Edges smooth with worn nicks throughout. Possible striations running diagonally from rolled over side's seam edge. Larger nick on upper portion of right side.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - caught between layers of bead's rolled under side's exterior and interior portions?

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Pinched
Special Shape: No special shape
Seam Alignment: Flush
General Comments: Seam edges are just touching with one side slightly over the other. "Pinched" rolled under seam shape refers to entirety of interior portion of rolled under seam being bent totally backwards and flush against the rolled under side.



Artifact: B72-236

Recorder: JMP **Date:** 5/24/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 7.79mm
Seam: 7.29mm
Side Opposite Seam: 6.51mm

Width:
Maximum: 4.48mm
Top Orifice: 2.43mm
Bottom Orifice: 2.72mm

Thickness:
Rolled Over Side: 0.67mm
Side Opposite Seam: 0.73mm

Weight: 0.3g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 26-50% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout with some Type C.

Manufacturing Marks and/or Use-Wear:

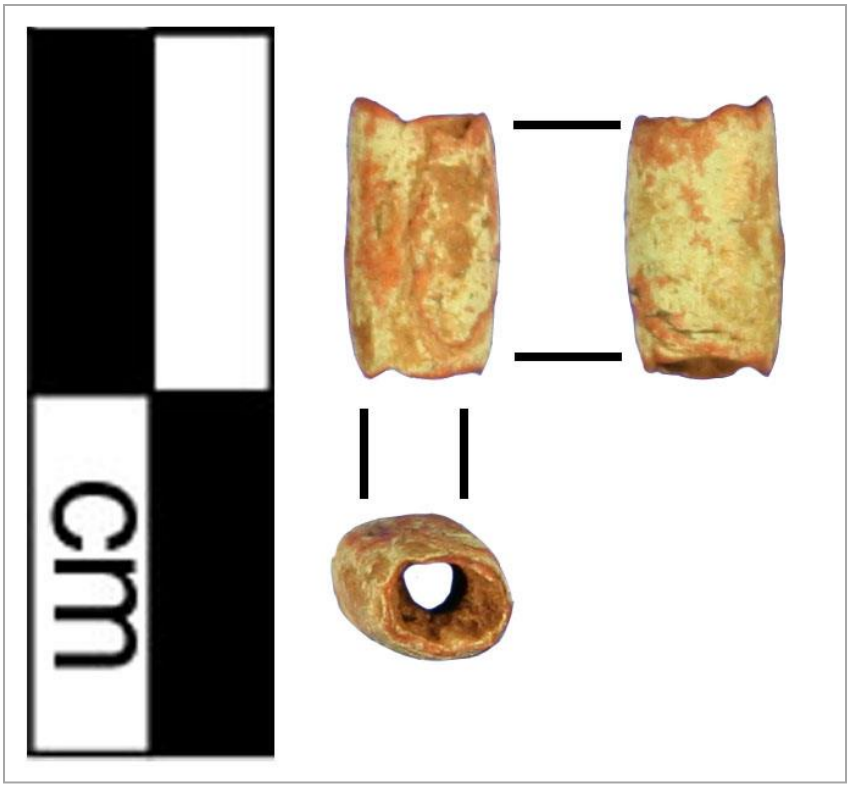
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges smoothed with some nicks. Two larger nicks on upper edge of side opposite seam. Possible polish throughout bead body. Seam of rolled over edge smoothed against rest of bead body with some possible material placed between this edge and the rolled under side in order to disguise the seam. Striations/incisions running longitudinally along bead body. Bead possibly squished after manufacture with seam side and side opposite seam being pressed closer together.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Indeterminate
Special Shape: No special shape
Seam Alignment: Flush
General Comments:



Artifact: B72-237

Recorder: JMP **Date:** 5/24/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 8.46mm
Seam: 7.27mm
Side Opposite Seam: 8.31mm

Width:
Maximum: 4.46mm
Top Orifice: 2.49mm
Bottom Orifice: 2.76mm

Thickness:
Rolled Over Side: 0.59mm
Side Opposite Seam: 0.52mm

Weight: 0.5g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 26-50% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Present

Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present

Loss:
Broken Piece: Not present
Nicks: Not present

Retooling:
Resharpened: Not present
Repaired: Not present

Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

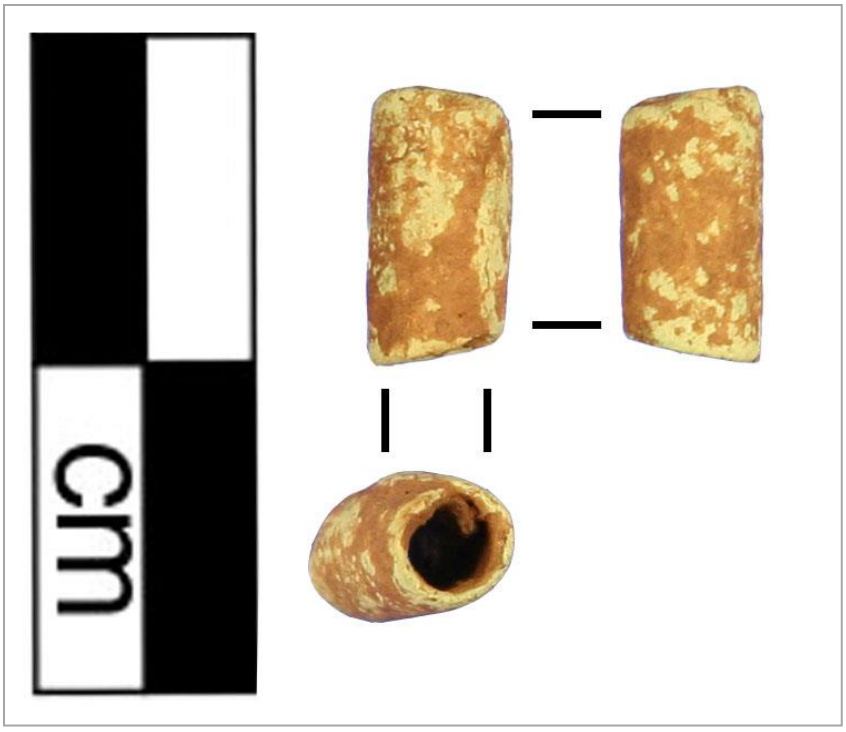
Description of Use-Wear Amount/Location: Edges worn with possible polish. Seam of rolled over edge smoothed against rest of bead body. Possible incisions/striations running longitudinally along bead's body, especially along rolled over side's seam edge. Side opposite seam may have some transverse striations. Some cracks on surface, mostly running along edges. Possible polish on rolled over side.

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present

Decoration Description (if present): Possible incisions/striations running longitudinally along bead's body, especially along rolled over side's seam edge.
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N



Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-238

Recorder: JMP **Date:** 5/24/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 8.51mm
Seam: 7.91mm
Side Opposite Seam: 7.13mm

Width:
Maximum: 5.33mm
Top Orifice: 3.34mm
Bottom Orifice: 4.33mm

Thickness:
Rolled Over Side: 0.42mm
Side Opposite Seam: 0.55mm

Weight: 0.4g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 51-75% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C with accretions throughout.

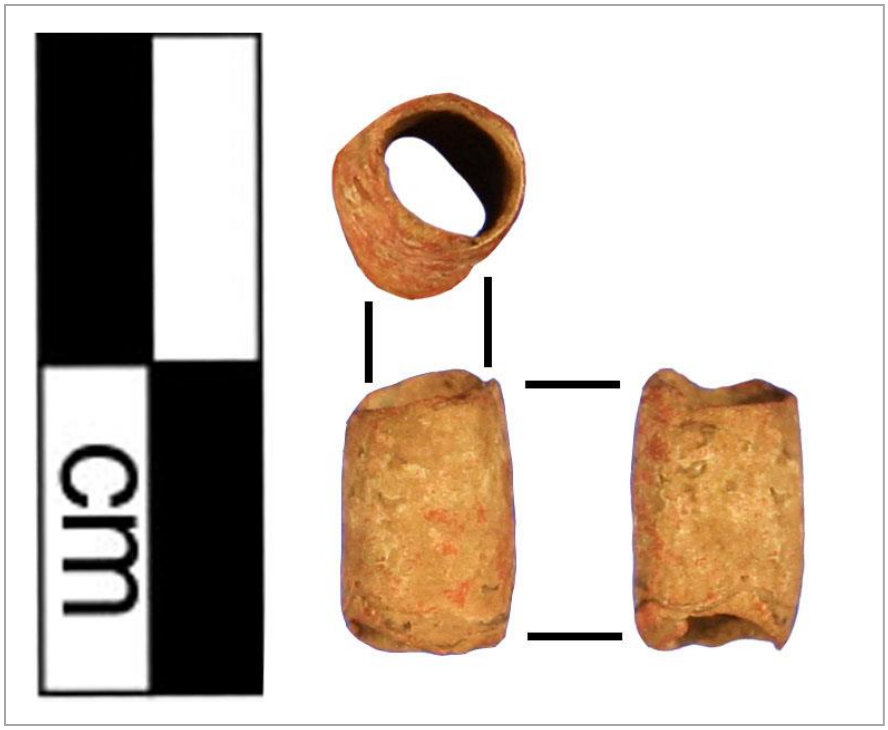
Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed, especially upper and lower edge of side opposite seam which has smoothed nicks. Possible polish on upper half of rolled under side. Seam of rolled over edge smoothed against rest of bead body with some possible black material placed between this edge and the rolled under side in order to disguise the seam. Some cracks running along lower edge and seam edge.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Cross-Section Shape: Oval
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Not present
Decoration Description (if present):

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N



Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Flared
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-239

Recorder: JMP **Date:** 5/24/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 8.32mm
Seam: 6.89mm
Side Opposite Seam: 7.5mm

Width:
Maximum: 5.79mm
Top Orifice: 3.65mm
Bottom Orifice: 3.48mm

Thickness:
Rolled Over Side: 0.9mm
Side Opposite Seam: 0.78mm

Weight: 0.7g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C with accretions throughout.

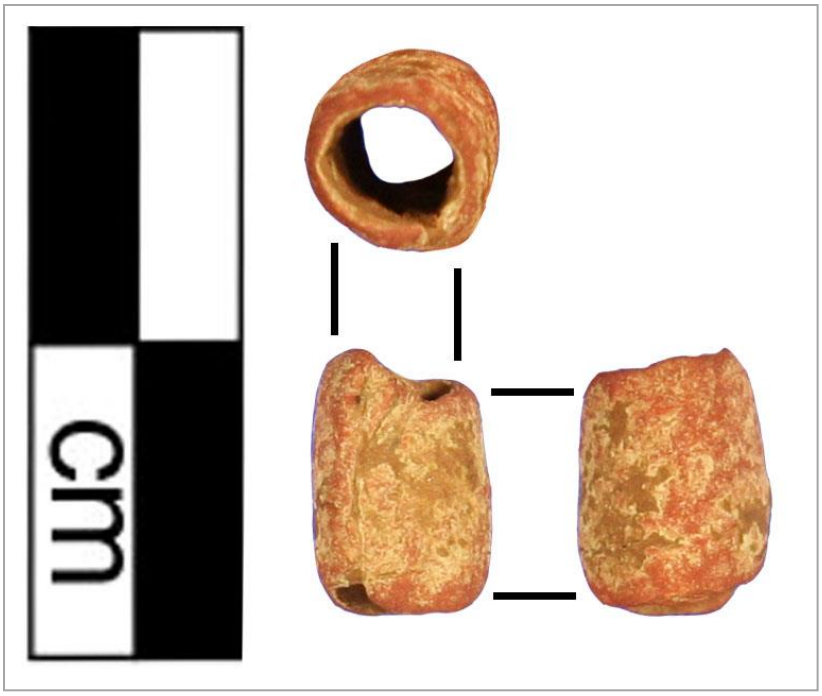
Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed. Seam of rolled over edge smoothed against rest of bead body with some possible black material placed between this edge and the rolled under side in order to disguise the seam. Possible striations running transversely on rolled over side. Possible incisions running transversely on side opposite seam and right side. Cracks running transversely along seam edge.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy

Decorations Present: Present
Decoration Description (if present): Possible incisions running transversely on side opposite seam and right side.
Cross-Section Shape: Oval



Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-240

Recorder: JMP **Date:** 5/24/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 12.58mm
Seam: 11.29mm
Side Opposite Seam: 11.6mm

Width:
Maximum: 5.12mm
Top Orifice: 1.74mm
Bottom Orifice: 2.67mm

Thickness:
Rolled Over Side: 0.4mm
Side Opposite Seam: 1.1mm

Weight: 0.6g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 26-50% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A throughout with some accretions and Type C.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Present

Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present

Loss:
Broken Piece: Not present
Nicks: Present

Retooling:
Resharpened: Not present
Repaired: Not present

Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges smoothed. Worn nick on right and left sides of upper edge and left side of lower edge. Seam of rolled over edge smoothed against rest of bead body. Striations/incisions running longitudinally along entire bead body. Left and right side of upper edge bent slightly inward.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy

Decorations Present: Present
Decoration Description (if present): Striations/incisions running longitudinally along entire bead body.
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Indeterminate
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-242

Recorder: JMP **Date:** 5/24/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 5.52mm
Seam: 4.13mm
Side Opposite Seam: 4.56mm

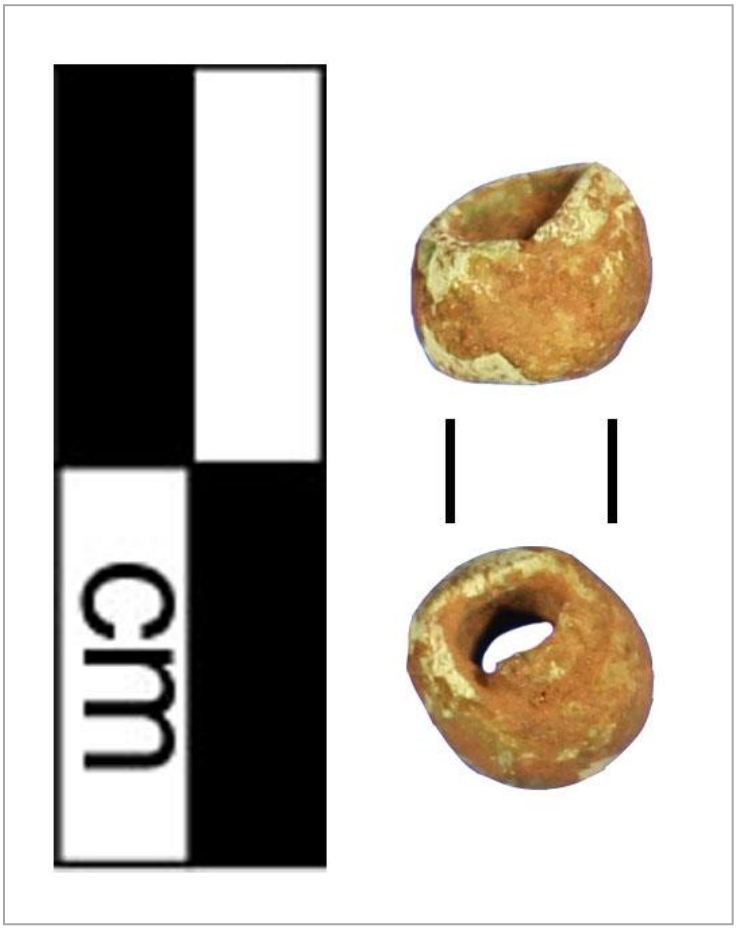
Width:
Maximum: 6.08mm
Top Orifice: 2.88mm
Bottom Orifice: 1.88mm

Thickness:
Rolled Over Side: 1.3mm
Side Opposite Seam: 1.42mm

Weight: 0.5g

Patina:
Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with some Type A.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed. Incisions/striations running transversely across side opposite seam. Polish possibly on side across seam and right side. Seam of rolled over edge smoothed against rest of bead body.



Manufacturing Stage/Processes:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present
Decoration Description (if present): Incisions/striations running transversely across side opposite seam.
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: Globular
Seam Alignment: Flush
General Comments:

Artifact: B72-243

Recorder: JMP **Date:** 5/24/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 9.77mm
Seam: 9.42mm
Side Opposite Seam: 8.59mm

Width:
Maximum: 4.9mm
Top Orifice: 2.25mm
Bottom Orifice: 2.84mm

Thickness:
Rolled Over Side: 0.38mm
Side Opposite Seam: 0.63mm

Weight: 0.5g

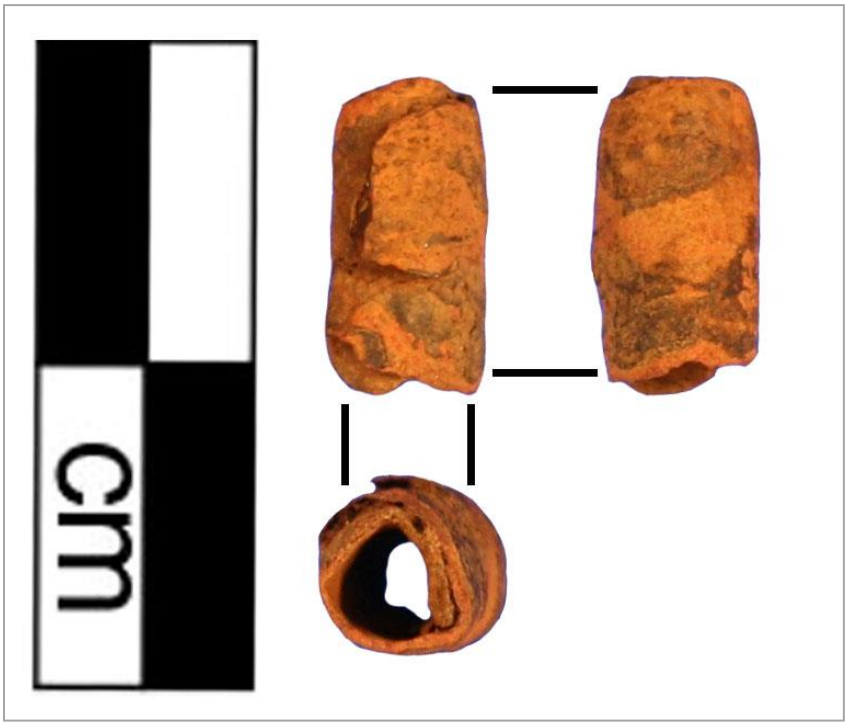
Patina:
Type A: Not present
Type B: Present on 1-25% of object
Type C: Not present
Type D: Present on 51-75% of object
Type E: Present on 76-100% of object
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type E throughout with Type D and accretions.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Not present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed. Crack stemming perpendicularly from center of rolled over side seam edge. Upper portion separated by this crack slightly splayed from rest of bead body. Worn nicks in right and left side portions of lower edge and center of rolled under side. Two incisions running longitudinally along bead body on right side and one extending to side opposite seam.

Manufacturing Stage/Processes:
Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present
Decoration Description (if present): Two incisions running longitudinally along bead body on right side and one extending to side opposite seam.
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments: Copper?



Artifact: B72-244

Recorder: JMP **Date:** 5/24/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 10.72mm
Seam: 9.78mm
Side Opposite Seam: 10.36mm

Width:
Maximum: 6.32mm
Top Orifice: 2.22mm
Bottom Orifice: 3.75mm

Thickness:
Rolled Over Side: 1.01mm
Side Opposite Seam: 0.99mm

Weight: 1.4g

Patina:
Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with Types A and C.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Description of Use-Wear Amount/Location: Edges smoothed. Striations running longitudinally along left side. Seam of rolled over edge smoothed against rest of bead body. Worn nick at center of lower edge of rolled under side.

Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present

Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-245

Recorder: JMP **Date:** 5/24/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 15.96mm
Seam: 15.19mm
Side Opposite Seam: 15.43mm

Width:
Maximum: 4.29mm
Top Orifice: 2.45mm
Bottom Orifice: 2.52mm

Thickness:
Rolled Over Side: 0.45mm
Side Opposite Seam: 0.54mm

Weight: 0.8g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 76-100% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smooth. Seam of rolled over edge smoothed against rest of bead body. Striations running longitudinally along entire bead body. Polish throughout entire bead body. Four distinct incisions running longitudinally along lower half of bead body.

Manufacturing Stage/Processes:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth

Decorations Present: Present
Decoration Description (if present): Four distinct incisions running longitudinally along lower half of bead body.
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: Tubular
Seam Alignment: Flush
General Comments:

Artifact: B72-246

Recorder: JMP **Date:** 5/24/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 10.41mm
Seam: 9.27mm
Side Opposite Seam: 8.78mm

Width:
Maximum: 5.72mm
Top Orifice: 3.31mm
Bottom Orifice: 3.99mm

Thickness:
Rolled Over Side: 0.79mm
Side Opposite Seam: 0.67mm

Weight: 0.5g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 76-100% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions and Type D throughout with some Type A.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed. Upper right edge has significant loss. Seam of rolled over edge smoothed against rest of bead body. Striations running longitudinally along entire bead body.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Cross-Section Shape: Oval
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Not present
Decoration Description (if present):

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-247

Recorder: JMP **Date:** 5/24/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 15.56mm
Seam: 14.56mm
Side Opposite Seam: 14.55mm

Width:
Maximum: 6.1mm
Top Orifice: 3.85mm
Bottom Orifice: 3.18mm

Thickness:
Rolled Over Side: 1.05mm
Side Opposite Seam: 1.18mm

Weight: 1.4g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 26-50% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with some Type B and accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed. Upper edge has small nicks, as well as larger nick in center of rolled under side. Seam of rolled over edge smoothed against rest of bead body. Striations and incisions running longitudinally along entire bead body.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy

Decorations Present: Present
Decoration Description (if present): Incisions running longitudinally along entire bead body.
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-248

Recorder: JMP **Date:** 5/24/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 12.27mm
Seam: 11.01mm
Side Opposite Seam: 12.05mm

Width:
Maximum: 7.38mm
Top Orifice: 4.36mm
Bottom Orifice: 3.83mm

Thickness:
Rolled Over Side: 1.05mm
Side Opposite Seam: 1.37mm

Weight: 1.9g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 51-75% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges smoothed with possible polish. Upper edge has worn nicks on right and left sides. Seam of rolled over edge smoothed against rest of bead body. Incisions running longitudinally along bead's body, especially on left side. Striations running transversely along entire bead body.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy

Decorations Present: Present
Decoration Description (if present): Incisions running longitudinally along bead's body, especially on left side.
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Flared
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-249

Recorder: JMP **Date:** 5/24/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 15.08mm
Seam: 11.86mm
Side Opposite Seam: 13.86mm

Width:
Maximum: 6.08mm
Top Orifice: 3.98mm
Bottom Orifice: 3.56mm

Thickness:
Rolled Over Side: 0.64mm
Side Opposite Seam: 0.65mm

Weight: 0.6g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 26-50% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Not present

Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present

Loss:
Broken Piece: Not present
Nicks: Present

Retooling:
Resharpened: Not present
Repaired: Not present

Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges smoothed with significant losses. Upper edge has large losses on right side and side across seam. Lower edge has large losses on right and left sides and rolled under side. Possible striations running longitudinally along entire bead body. Polish on side opposite seam. Body of bead slightly distorted and bent inward.

Manufacturing Stage/Processes:

Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Polygonal

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - caught between layers of bead's rolled under and rolled over sides?

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 360+ degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-250 **Recorder:** JMP **Date:** 5/24/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 13.21mm
Seam: 10.16mm
Side Opposite Seam: 11.5mm

Width:
Maximum: 6.4mm
Top Orifice: 3.47mm
Bottom Orifice: 3.62mm

Thickness:
Rolled Over Side: 0.56mm
Side Opposite Seam: 0.88mm

Weight: 1.2g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 26-50% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C and accretion throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed with significant losses and are bent slightly inward. Upper edge has large losses on right and left sides. Lower edge has large losses on rolled under seam and has a nick on the right side. Cracks across surface probably from fold over hammered manufacturing. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-251

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 13.88mm
Seam: 9.95mm
Side Opposite Seam: 13.65mm

Width:
Maximum: 4.87mm
Top Orifice: 1.91mm
Bottom Orifice: 2.96mm

Thickness:
Rolled Over Side: 0.59mm
Side Opposite Seam: 0.52mm

Weight: 0.8g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 26-50% of object
Type C: Present on 51-75% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C and accretion throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges smoothed. Nick on upper edge in center of rolled under side. Worn nick on left side and rolled under side of lower edge. Seam of rolled over edge smoothed against rest of bead body with some possible black material placed between this edge and the rolled under side in order to disguise the seam. Striations running longitudinally on right side. Small hole near center of left side. Possible incision with black accretions running longitudinally along rolled under side around to side opposite seam. Cracking along seam edge. Area of possible polish on rolled under side.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth

Decorations Present: Present
Decoration Description (if present): Possible incision with black accretions running longitudinally along rolled under side around to side opposite seam.
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
General Comments:
Special Shape: No special shape
Seam Alignment: Askew

Artifact: B72-252

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 11.44mm
Seam: 11.07mm
Side Opposite Seam: 10.28mm

Width:
Maximum: 5.74mm
Top Orifice: 2.86mm
Bottom Orifice: 2.77mm

Thickness:
Rolled Over Side: 0.56mm
Side Opposite Seam: 0.69mm

Weight: 1g

Patina:
Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 51-75% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A, C, and D and accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed. Seam of rolled over edge smoothed against rest of bead body. Rolled over seam side has some polish. Possible incisions running longitudinally along entire bead body.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy

Decorations Present: Present
Decoration Description (if present): Possible incisions running longitudinally along entire bead body.
Cross-Section Shape: Square

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-253

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 11.63mm
Seam: 9.65mm
Side Opposite Seam: 10.84mm

Width:
Maximum: 5.65mm
Top Orifice: 2.69mm
Bottom Orifice: 2.9mm

Thickness:
Rolled Over Side: 0.42mm
Side Opposite Seam: 0.76mm

Weight: 0.7g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Types A and C.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges smoothed. Upper edge has worn nick on left side and rolled under side. Upper edge of rolled over side has crack running perpendicular to edge which separates a tab of material that is slightly splayed from the rest of the bead. Nick in center of lower edge of side opposite seam with left side of material separated by this nick bent slightly inward. Lower edge of rolled under side is slightly splayed outward. Seam of rolled over edge smoothed against rest of bead body. Cracks along edges. Striations running longitudinally along entire bead body.

Manufacturing Stage/Processes:

Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-254

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 13.07mm
Seam: 9.63mm
Side Opposite Seam: 13.02mm

Width:
Maximum: 6.76mm
Top Orifice: 4.48mm
Bottom Orifice: 3.8mm

Thickness:
Rolled Over Side: 0.94mm
Side Opposite Seam: 0.69mm

Weight: 1.4g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 26-50% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Present on 1-25% of object
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Types A and C.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges smoothed. Seam of rolled over edge smoothed against rest of bead body with some possible material placed between this edge and the rolled under side in order to disguise the seam. Polish on lower half of right side. Striations running longitudinally across rolled over seam edge. Incision near center of right side running longitudinally.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth

Cross-Section Shape: Circular

Decorations Present: Present
Decoration Description (if present): Incision near center of right side running longitudinally.

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Pinched
Special Shape: No special shape
Seam Alignment: Flush
General Comments: Possible significant pinch on seam edge of rolled under side or splayed damage to interior?

Artifact: B72-255

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 5.58mm
Seam: 5.41mm
Side Opposite Seam: 5.44mm

Width:
Maximum: 6.52mm
Top Orifice: 3.4mm
Bottom Orifice: 3.95mm

Thickness:
Rolled Over Side: 0.79mm
Side Opposite Seam: 0.75mm

Weight: 0.6g

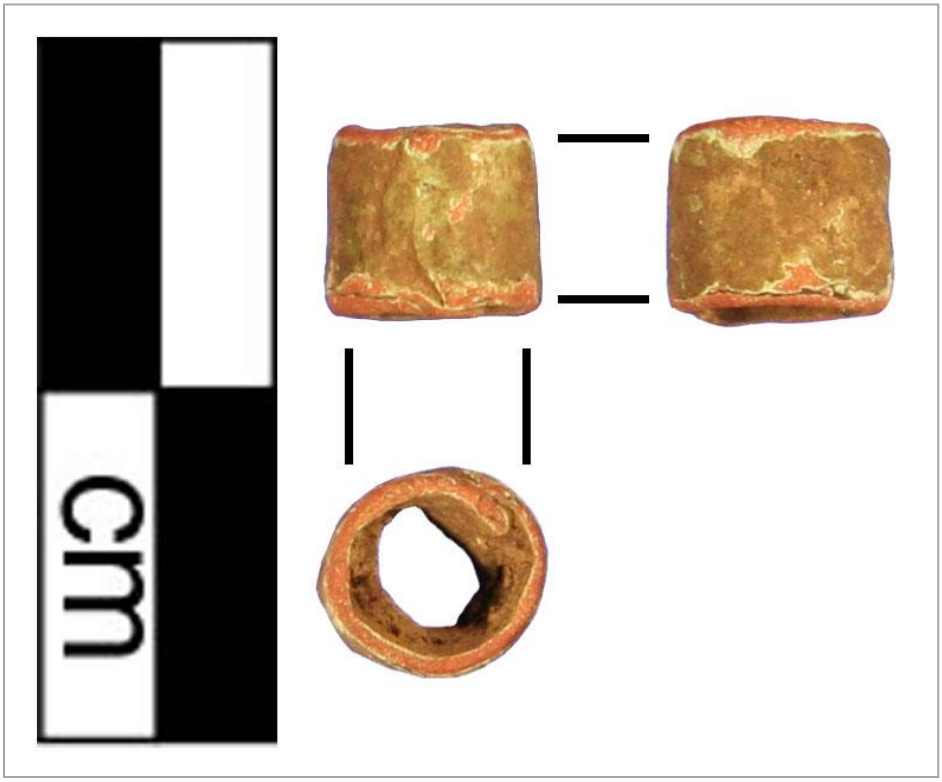
Patina:
Type A: Present on 26-50% of object
Type B: Present on 26-50% of object
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Types A and C.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smooth. Crack along lower edge. Seam of rolled over edge smoothed against rest of bead body. Possible polish on rolled over side.

Manufacturing Stage/Processes:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - on interior?

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:



Artifact: B72-256

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 10.05mm
Seam: 5.49mm
Side Opposite Seam: 9.11mm

Width:
Maximum: 4.54mm
Top Orifice: 2.64mm
Bottom Orifice: 2.63mm

Thickness:
Rolled Over Side: 0.69mm
Side Opposite Seam: 0.82mm

Weight: 0.4g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Types A and C.

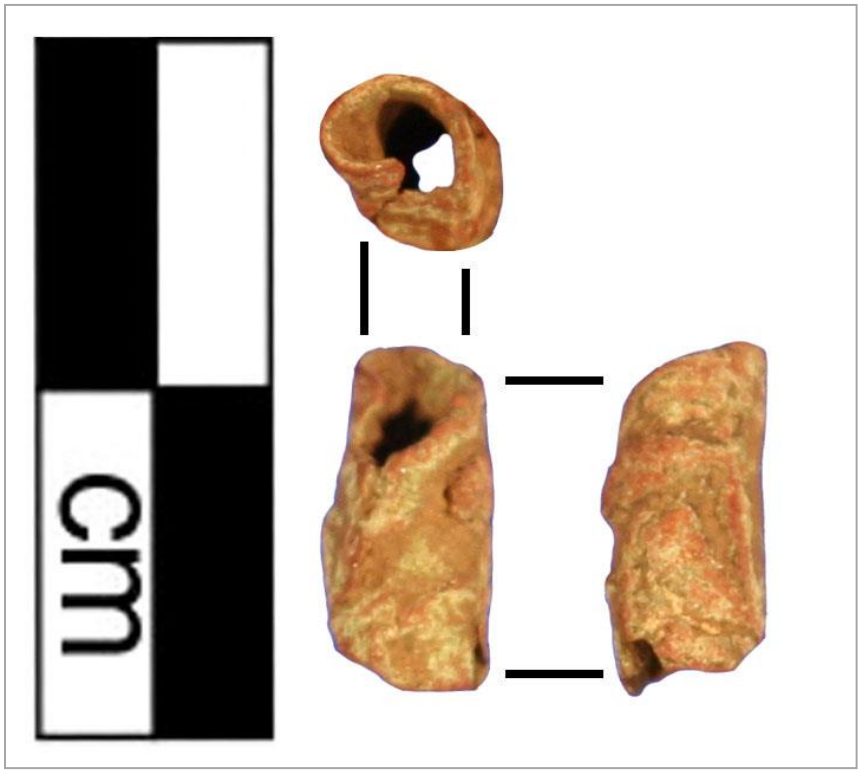
Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges smoothed. Upper edge has nick on side opposite seam that has a crack stemming from them. Lower edge has possible large loss on lower edge of rolled under side. Cracks on left side with some material separated by a crack splayed outward. Cracks stemming perpendicularly from lower edge of rolled under side and side opposite seam. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square



Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Pinched
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-257

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 10.11mm
Seam: 9.13mm
Side Opposite Seam: 9.72mm

Width:
Maximum: 5.97mm
Top Orifice: 3.16mm
Bottom Orifice: 3.1mm

Thickness:
Rolled Over Side: 0.67mm
Side Opposite Seam: 0.79mm

Weight: 0.8g

Patina:
Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with some Type A.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed. Possible polish on body throughout. Nick on upper edge of right side. Incisions/striations running longitudinally along seam side.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy

Decorations Present: Present
Decoration Description (if present): Incisions/striations running longitudinally along seam side.
Cross-Section Shape: Square

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-258

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 7.4mm
Seam: 6.84mm
Side Opposite Seam: 7.26mm

Width:
Maximum: 5.63mm
Top Orifice: 2.75mm
Bottom Orifice: 2.64mm

Thickness:
Rolled Over Side: 1.05mm
Side Opposite Seam: 1.25mm

Weight: 0.7g

Patina:

Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 26-50% of object
Type E: Present on 1-25% of object
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions with Type C throughout and areas of Type A.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges lightly worn, but look mostly freshly made. Seam of rolled over edge smoothed against rest of bead body with some possible black material placed between this edge and the rolled under side in order to disguise the seam. Possible incisions and striations running longitudinally throughout.

Manufacturing Stage/Processes:

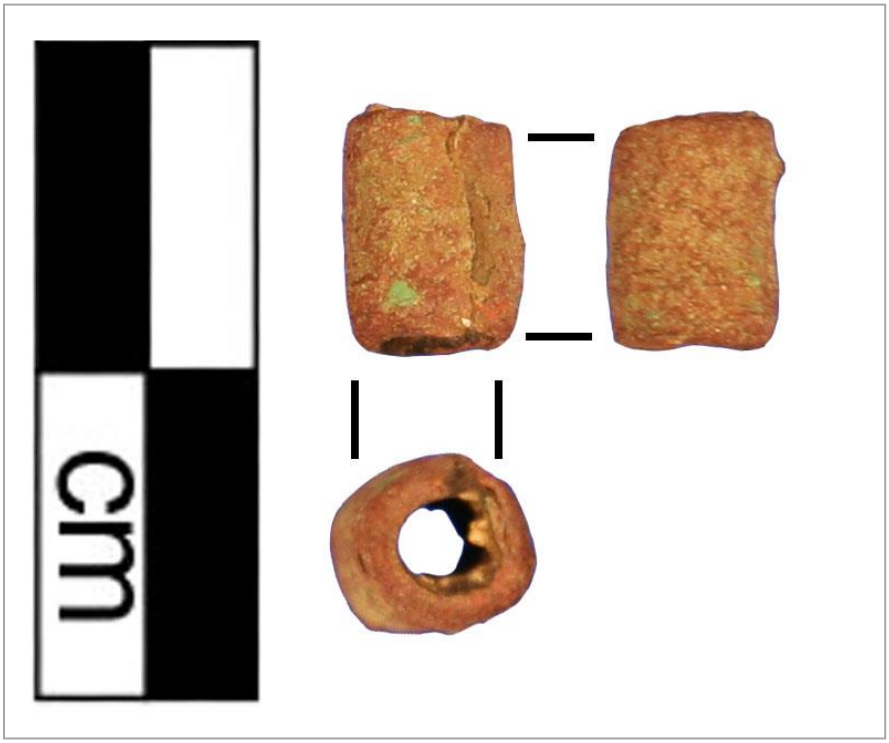
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded

Decorations Present: Present
Decoration Description (if present): Possible incisions and striations running longitudinally throughout.
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Indeterminate
Special Shape: No special shape
Seam Alignment: Flush
General Comments:



Artifact: B72-259

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 18.1mm
Seam: 14.16mm
Side Opposite Seam: 17.3mm

Width:
Maximum: 6.79mm
Top Orifice: 2.99mm
Bottom Orifice: 2.35mm

Thickness:
Rolled Over Side: 1.29mm
Side Opposite Seam: 0.91mm

Weight: 1.8g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 51-75% of object
Type E: Present on 1-25% of object
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A, C, and D and accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges worn. Lower edge has possible polish and nick on side opposite seam. Worn nick on right side of upper edge. Seam of rolled over edge smoothed against rest of bead body with some possible black material placed between this edge and the rolled under side in order to disguise the seam. Lower left side has large dent. Incisions running transversely across seam edge on both rolled under and over sides. Side opposite seam has cross-hatched incisions. Cracks on right side.

Manufacturing Stage/Processes:
Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Present

Decoration Description (if present): Incisions running transversely across seam edge on both rolled under and over sides. Side opposite seam has cross-hatched incisions.
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-260

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection

Morphofunctional Designation: Bead

Length:
Full: 9.36mm
Seam: 8.72mm
Side Opposite Seam: 8.2mm

Width:
Maximum: 4.93mm
Top Orifice: 2.81mm
Bottom Orifice: 3.11mm

Thickness:
Rolled Over Side: 0.48mm
Side Opposite Seam: 0.65mm

Weight: 0.4g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 51-75% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C with accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Not present
Incisions: Not present

Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present

Loss:
Broken Piece: Not present
Nicks: Present

Retooling:
Resharpened: Not present
Repaired: Not present

Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

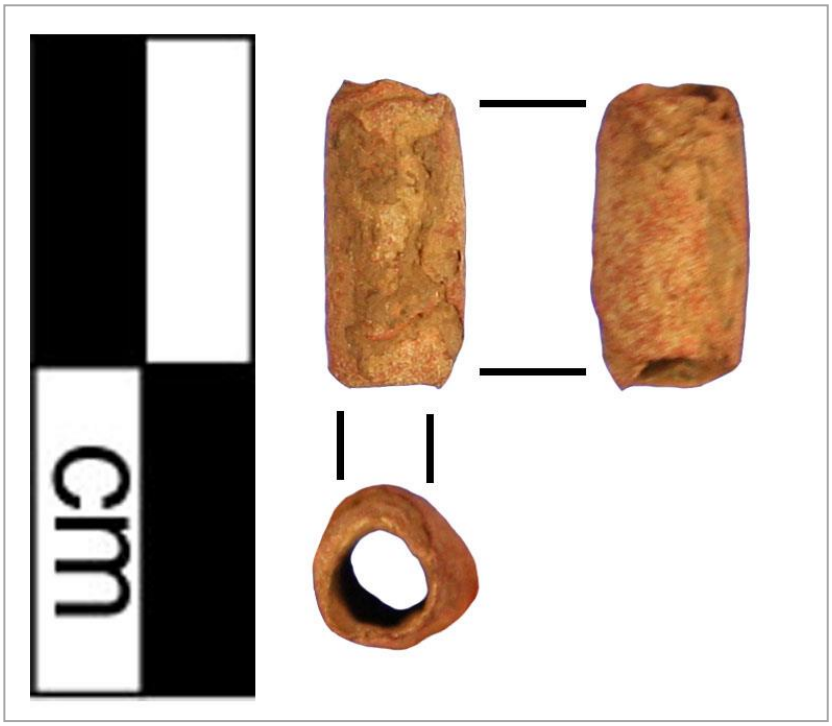
Description of Use-Wear Amount/Location: Edges worn with some nicks. Lower edge has cracks along it. Seam of rolled over edge smoothed against rest of bead body with some possible black material placed between this edge and the rolled under side in order to disguise the seam. Large divot running transversely along lower half of side opposite seam. Crack from lower edge of rolled over side running transversely across body.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Not present

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Decoration Description (if present):
Cross-Section Shape: Oval



Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-261

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 6.25mm
Seam: 5.55mm
Side Opposite Seam: 5.92mm

Width:
Maximum: 5.91mm
Top Orifice: 3.58mm
Bottom Orifice: 3.73mm

Thickness:
Rolled Over Side: 0.81mm
Side Opposite Seam: 1.04mm

Weight: 0.6g

Patina:

Type A: Present on 76-100% of object
Type B: Not present
Type C: Present on 26-50% of object
Type D: Present on 51-75% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout. Type C along edges.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed. Seam of rolled over edge smoothed against rest of bead body. Striations/incisions running longitudinally along entire bead body. Polish throughout entire bead body.

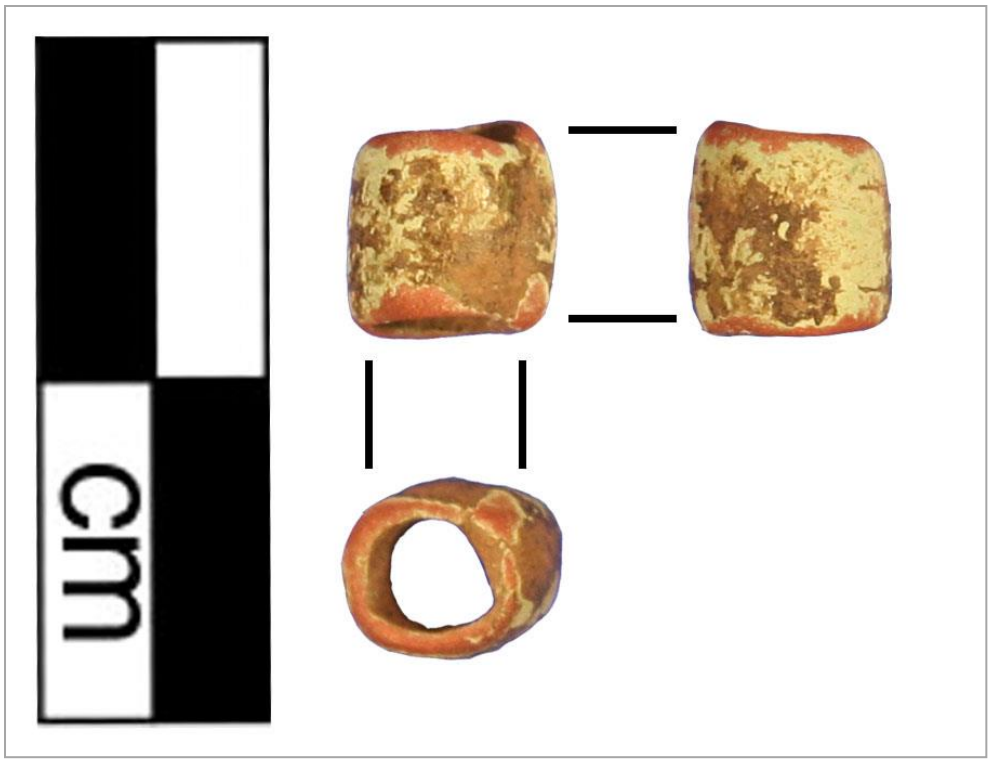
Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present
Decoration Description (if present): Striations/incisions running longitudinally along entire bead body.
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Flared
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:



Artifact: B72-262

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 11.22mm
Seam: 7.59mm
Side Opposite Seam: 9.55mm

Width:
Maximum: 4.2mm
Top Orifice: 2.43mm
Bottom Orifice: 3.69mm

Thickness:
Rolled Over Side: 0.22mm
Side Opposite Seam: 0.24mm

Weight: 0.2g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A with accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Bead very thin. Edges worn with numerous nicks, especially on upper left side. Upper edge also bent slightly inward on rolled under side. Wide crack on left side that has separated a piece of material that is somewhat loose from rest of bead body. Bead slightly distorted.

Manufacturing Stage/Processes:
Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Indeterminate
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-263

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 3.79mm
Seam: 3.47mm
Side Opposite Seam: 3.75mm

Width:
Maximum: 5.22mm
Top Orifice: 1.98mm
Bottom Orifice: 2.13mm

Thickness:
Rolled Over Side: 1.05mm
Side Opposite Seam: 0.68mm

Weight: 0.4g

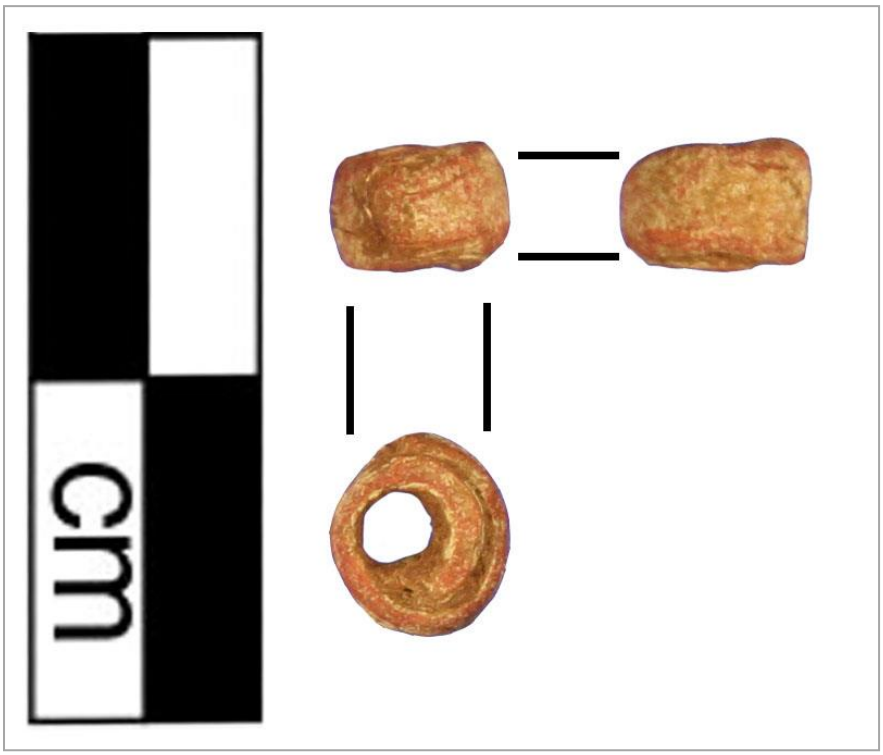
Patina:
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C with accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed. Seam of rolled over edge smoothed against rest of bead body with some possible black material placed between this edge and the rolled under side in order to disguise the seam. Short incisions running longitudinally and spread out across entire bead body.

Manufacturing Stage/Processes:
Level of Manufacture: Finely manufactured artifact **Cross-Section Shape:** Circular
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth
Decorations Present: Present
Decoration Description (if present): Short incisions running longitudinally and spread out across entire bead body.

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: Globular
Seam Alignment: Flush
General Comments:



Artifact: B72-264

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 7.28mm
Seam: 5.36mm
Side Opposite Seam: 6.26mm

Width:
Maximum: 4.9mm
Top Orifice: 2.3mm
Bottom Orifice: 2.79mm

Thickness:
Rolled Over Side: 0.91mm
Side Opposite Seam: 0.83mm

Weight: 0.4g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 51-75% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C throughout with some of Types A, D, and accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges slightly worn. Upper right corner has some possible polish. Seam of rolled over edge smoothed against rest of bead body with some possible black material placed between this edge and the rolled under side in order to disguise the seam. Incision running longitudinally across center of side opposite seam. Cracks along upper half of seam edge of rolled over side. Longitudinal striations on left side.

Manufacturing Stage/Processes:

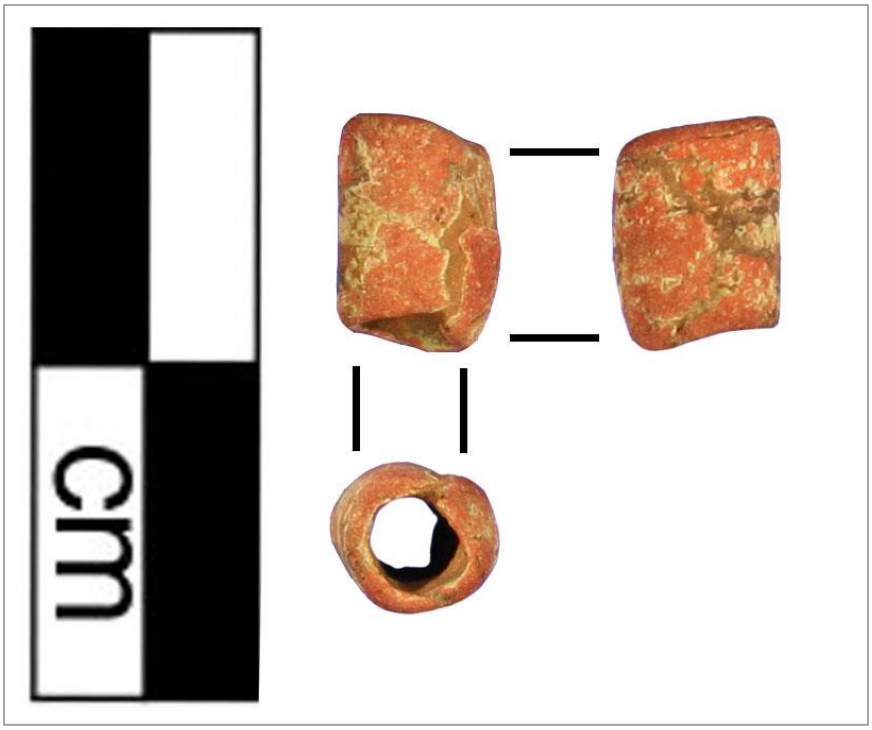
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy

Decorations Present: Present
Decoration Description (if present): Incision running longitudinally across center of side opposite seam.
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:



Artifact: B72-265

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 5.17mm
Seam: 4.27mm
Side Opposite Seam: 4.23mm

Width:
Maximum: 4.81mm
Top Orifice: 2.77mm
Bottom Orifice: 2.46mm

Thickness:
Rolled Over Side: 0.96mm
Side Opposite Seam: 0.61mm

Weight: 0.3g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and D throughout with accretions.

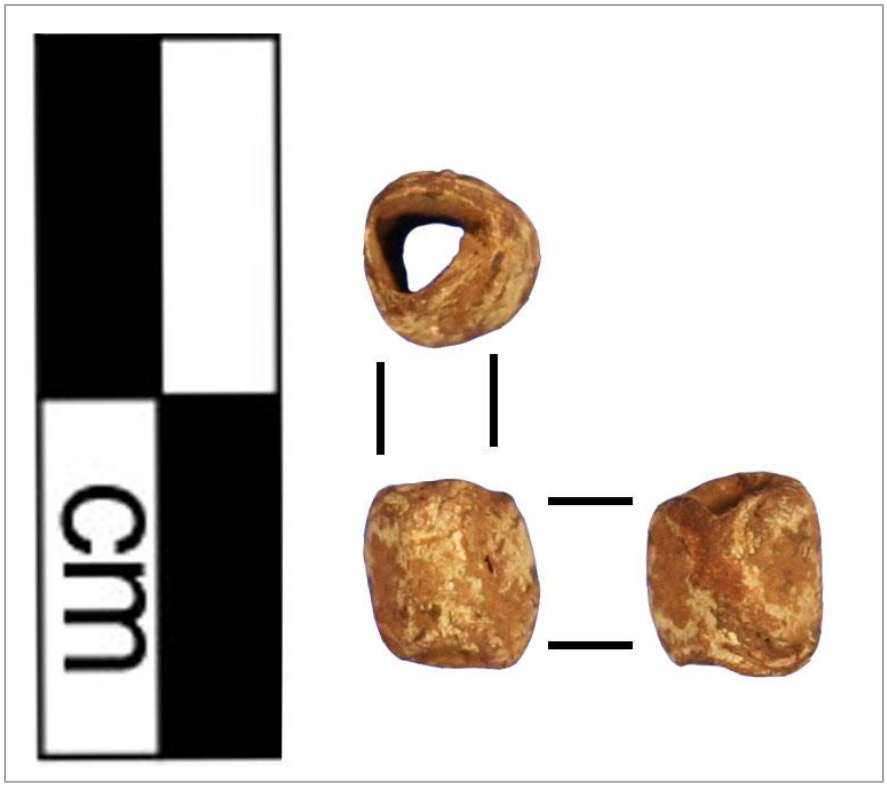
Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges worn and may have polish. Lower edge has worn nick on center of side opposite seam and upper edge is worn on left side. Cracks on body and possible incisions. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Cross-Section Shape: Triangular

Decorations Present: Present
Decoration Description (if present): Possible incisions across body.

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: Globular
Seam Alignment: Flush
General Comments:



Artifact: B72-266

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 5.34mm
Seam: 5.28mm
Side Opposite Seam: 4.54mm

Width:
Maximum: 3.82mm
Top Orifice: 2.49mm
Bottom Orifice: 2.31mm

Thickness:
Rolled Over Side: 1.02mm
Side Opposite Seam: 0.87mm

Weight: 0.2g

Patina:

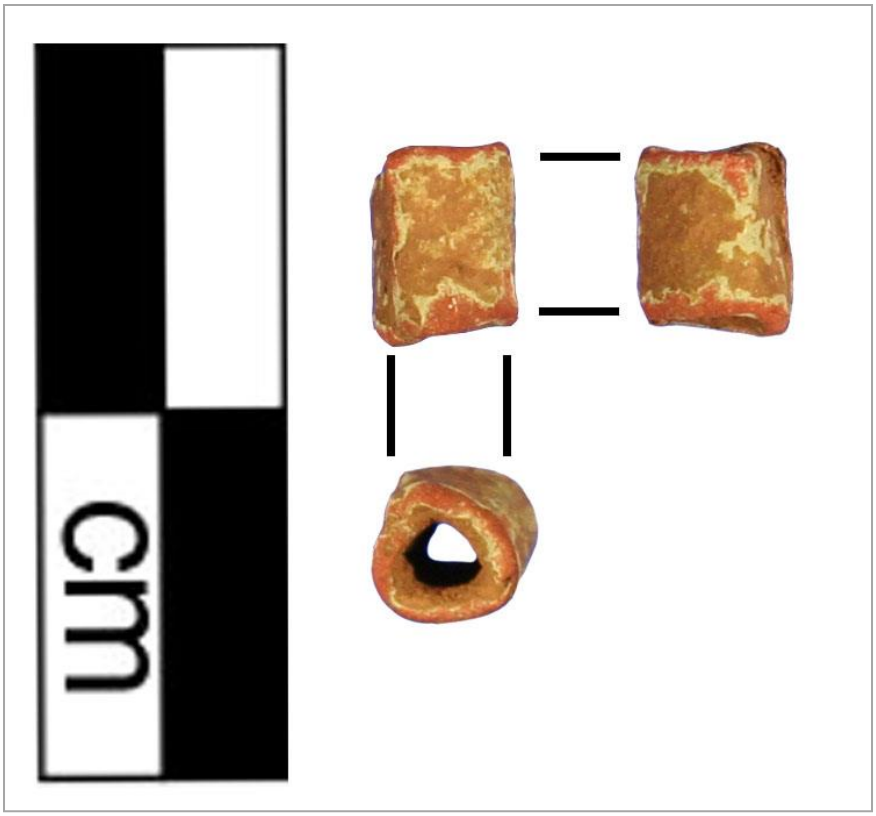
Type A: Present on 51-75% of object
Type B: Not present
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Types A and C along edges.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed. Possible striations/incisions running longitudinally across rolled over side. Polish on left side. Transverse incision on right side.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Cross-Section Shape: Triangular
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Present
Decoration Description (if present): Possible striations/incisions running longitudinally across rolled over side.



Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-267

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 7.69mm
Seam: 7.53mm
Side Opposite Seam: 6.92mm

Width:
Maximum: 4.68mm
Top Orifice: 3.02mm
Bottom Orifice: 2.52mm

Thickness:
Rolled Over Side: 0.72mm
Side Opposite Seam: 0.79mm

Weight: 0.4g

Patina:

Type A: Present on 1-25% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 51-75% of object
Type E: Not present

Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object

Total Surface Area with Patina/Corrosion: Present on 76-100% of object

Location of Patina/Corrosion: Accretions and Type C throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Present

Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present

Loss:
Broken Piece: Not present
Nicks: Not present

Retooling:
Resharpened: Not present
Repaired: Not present

Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges smoothed. Seam and surrounding area covered with thick accretions. Possible incision running longitudinally across center of rolled under side.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy

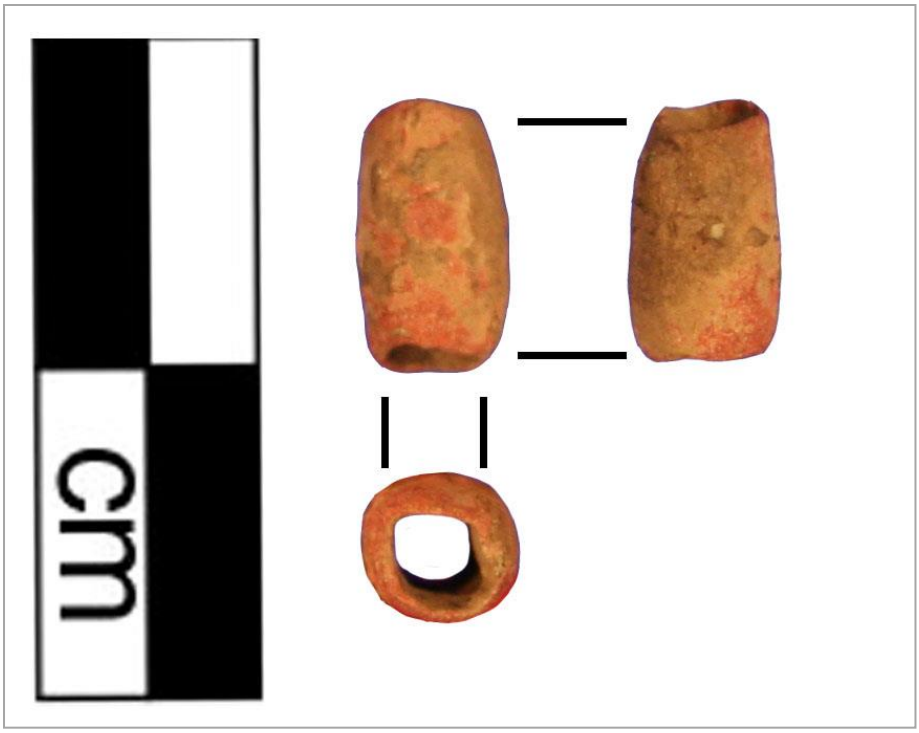
Decorations Present: Present

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Decoration Description (if present): Possible incision running longitudinally across center of rolled under side.
Cross-Section Shape: Oval

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: 5
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:



Artifact: B72-268

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 7.87mm
Seam: 5.51mm
Side Opposite Seam: 7.19mm

Width:
Maximum: 4.76mm
Top Orifice: 3.8mm
Bottom Orifice: 2.87mm

Thickness:
Rolled Over Side: 0.46mm
Side Opposite Seam: 0.46mm

Weight: 0.3g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Present on 1-25% of object
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C with accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges smoothed. Large crack stemming from upper edge of center of side opposite seam and running longitudinally just past center of bead and portion on left side of crack bent slightly inward. Nicks on upper left side and lower edge of rolled under side. Possible polish on lower portion of rolled over side. Line of impressions along seam edge of rolled over side that looks like it was made by a tool that leaves a mark similar to the side of a screw. Bead possibly squished after manufacture with right and left sides pinched closer together.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Cross-Section Shape: Oval
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Not present
Decoration Description (if present):

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-269

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 7.28mm
Seam: 6.23mm
Side Opposite Seam: 5.49mm

Width:
Maximum: 6.31mm
Top Orifice: 3.86mm
Bottom Orifice: 3.65mm

Thickness:
Rolled Over Side: 0.44mm
Side Opposite Seam: 0.45mm

Weight: 0.4g

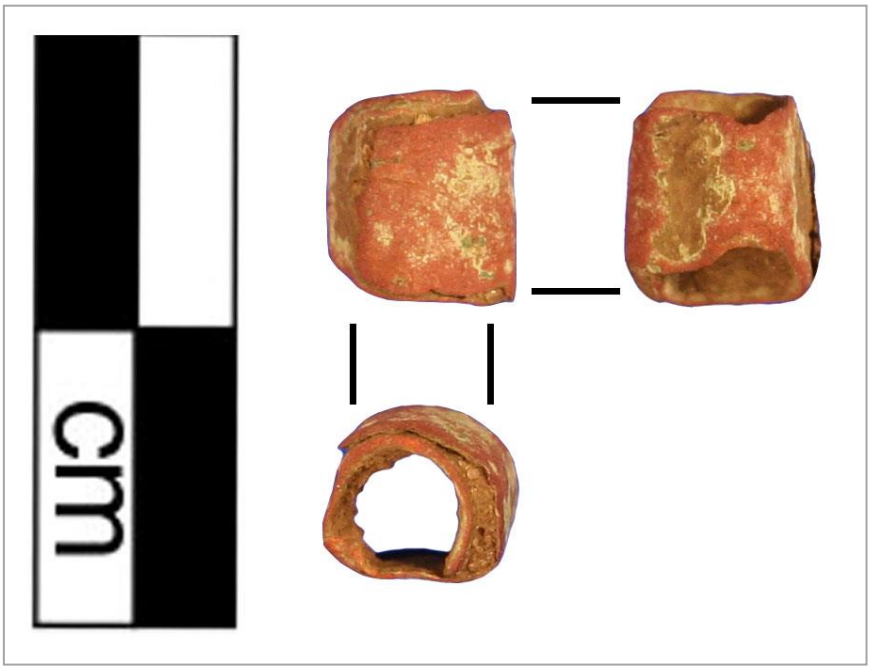
Patina:
Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C with accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed. Top and bottom bead edges are worn on center of side opposite seam edge, right side of this wear is bent slightly inward. Seam of rolled over edge smoothed against rest of bead body with some possible black material placed between this edge and the rolled under side in order to disguise the seam. Possible polish near upper edge on right side. Incisions/striations running longitudinally along bead body throughout sporadically.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present
Decoration Description (if present): Incisions/striations running longitudinally along bead body throughout sporadically.
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): Y - caught between layers of bead's rolled under and rolled over sides

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:



Artifact: B72-270 **Recorder:** JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 11.95mm
Seam: 11.68mm
Side Opposite Seam: 10.97mm

Width:
Maximum: 4.01mm
Top Orifice: 1.36mm
Bottom Orifice: 1.56mm

Thickness:
Rolled Over Side: 0.46mm
Side Opposite Seam: 0.63mm

Weight: 0.6g

Patina:
Type A: Present on 1-25% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout that have a slight green tint to them.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges are smoothed with polish. Striations running transversely across rolled over side. Incision along bottom edge of rolled under side which appears to be a mistake from cutting the blank.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Possibly cut from copper or brass kettle
Possible Shaping Method: Folded
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments: Brass? Possibly a very small tinkler cone?

Artifact: B72-271

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 12.27mm
Seam: 7.93mm
Side Opposite Seam: 10.83mm

Width:
Maximum: 6.21mm
Top Orifice: 3.95mm
Bottom Orifice: 3.76mm

Thickness:
Rolled Over Side: 1.04mm
Side Opposite Seam: 0.87mm

Weight: 0.8g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 26-50% of object
Type C: Present on 26-50% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed. Upper edge has numerous nicks and very large loss beginning on left side and extending to rolled under side. Tab of material on broken top edge is bent inward. Seam of rolled over edge smoothed against rest of bead body. A couple of incisions and striations running longitudinally along entire bead near center.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present
Decoration Description (if present): A couple of incisions and striations running longitudinally along entire bead near center.
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-272

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 10.8mm
Seam: 7.45mm
Side Opposite Seam: 7.61mm

Width:
Maximum: 6.79mm
Top Orifice: 3.26mm
Bottom Orifice: 2.86mm

Thickness:
Rolled Over Side: 7.68mm
Side Opposite Seam: 0.79mm

Weight: 1g

Patina:
Type A: Not present
Type B: Not present
Type C: Present on 1-25% of object
Type D: Present on 76-100% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout or material is not ceramic.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Bead has "crumbly" texture. Possibly another material, like ceramic? Lower right side has broken off and exposed some possible organic material in interior. Bead's profile is convex. Possible striations running transversely across entire bead body.

Manufacturing Stage/Processes:
Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Indistinguishable or N/A
Possible Shaping Method: Indistinguishable or N/A
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): Y - caught between layers of bead's rolled under and rolled over sides

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: 5
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments: Bead has "crumbly" texture. Ceramic?

Artifact: B72-274

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 15.52mm
Seam: 14.73mm
Side Opposite Seam: 12.92mm

Width:
Maximum: 4.38mm
Top Orifice: 2.75mm
Bottom Orifice: 2.1mm

Thickness:
Rolled Over Side: 0.55mm
Side Opposite Seam: 0.31mm

Weight: 0.4g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 51-75% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with Type A.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Description of Use-Wear Amount/Location: Edges smoothed. Upper edge has numerous nicks and lower edge of rolled over side is bent inward severely. Sides of bead bent inward. Polish throughout bead body.

Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present

Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Manufacturing Stage/Processes:

Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Pinched
Special Shape: No special shape
Seam Alignment: Flush
General Comments: Large pinched portion on rolled under seam edge.

Artifact: B72-275

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 10.6mm
Seam: 8.79mm
Side Opposite Seam: 8.24mm

Width:
Maximum: 6.18mm
Top Orifice: 4.15mm
Bottom Orifice: 3.99mm

Thickness:
Rolled Over Side: 0.82mm
Side Opposite Seam: 0.53mm

Weight: 0.5g

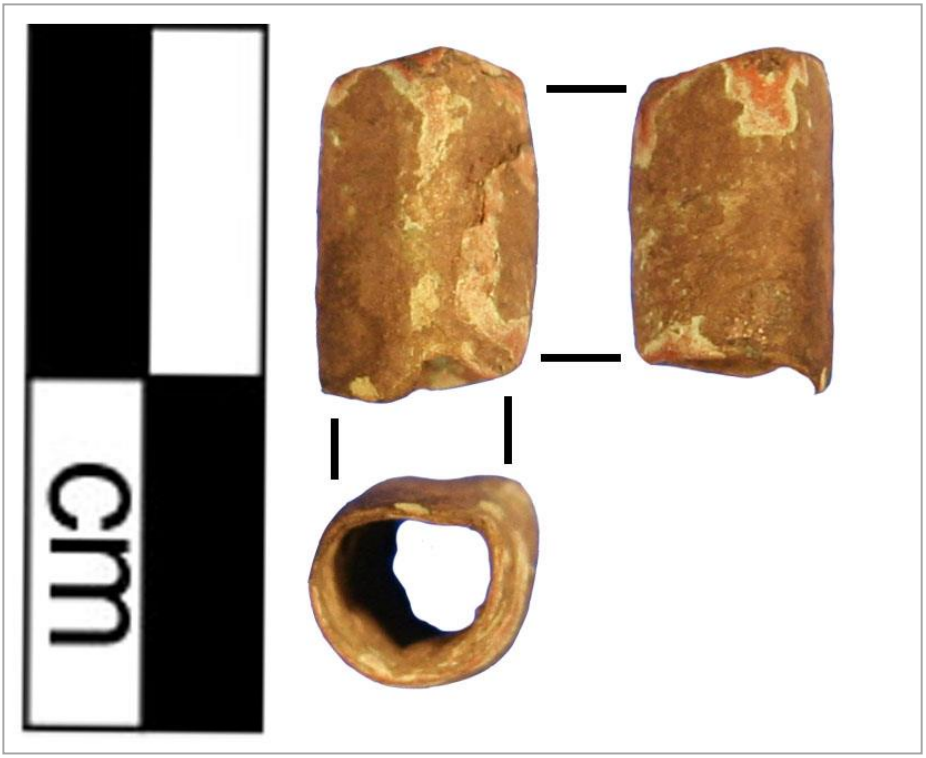
Patina:
Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 51-75% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with Type A.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed with some cracks along edges. Lower edge of rolled under side having worn nick in center. Longitudinal incisions/striations on lower half of bead.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:



Artifact: B72-276

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 13.52mm
Seam: 13.29mm
Side Opposite Seam: 11.17mm

Width:
Maximum: 5.42mm
Top Orifice: 3.99mm
Bottom Orifice: 3.65mm

Thickness:
Rolled Over Side: 0.5mm
Side Opposite Seam: 0.52mm

Weight: 0.6g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C with accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges smoothed with many nicks. Upper edge has large loss on side opposite seam. Lower edge has large loss on rolled under side with a crack stemming from this loss and running transversely to bead center. Possible striations running transversely across bead body throughout.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Flared
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-277

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 24.64mm
Seam: 22.97mm
Side Opposite Seam: 23.75mm

Width:
Maximum: 8.42mm
Top Orifice: 4.02mm
Bottom Orifice: 3.87mm

Thickness:
Rolled Over Side: 0.77mm
Side Opposite Seam: 1.01mm

Weight: 4g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C with accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed. Lower edge of rolled over and under sides has many small nicks. Seam of rolled over edge smoothed against rest of bead body with some possible black material placed between this edge and the rolled under side in order to disguise the seam. Incisions running diagonally across entire bead. Seam side is very flat.

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present
Decoration Description (if present): Incisions running diagonally across entire bead.
Cross-Section Shape: Square

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: Tubular
Seam Alignment: Flush
General Comments:

Artifact: B72-278

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 8.5mm
Seam: 8.05mm
Side Opposite Seam: 7.89mm

Width:
Maximum: 7.5mm
Top Orifice: 4.75mm
Bottom Orifice: 5.16mm

Thickness:
Rolled Over Side: 1.04mm
Side Opposite Seam: 1.05mm

Weight: 1.1g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C and accretions throughout with some Type A.

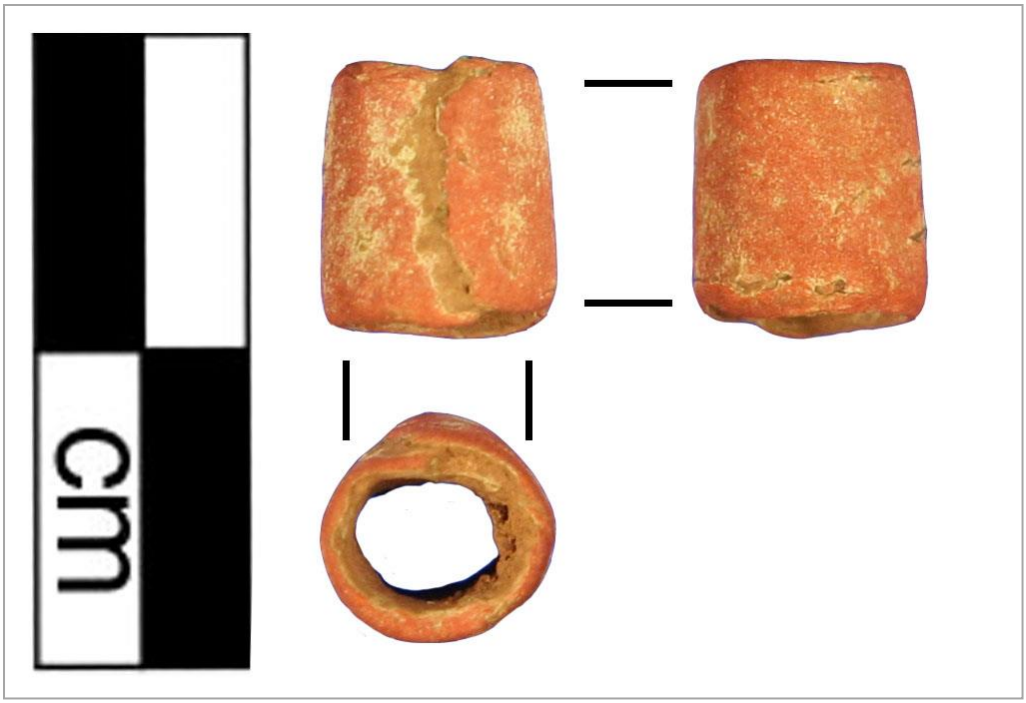
Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed with lower edge possibly having some polish. Seam of rolled over edge smoothed against rest of bead body. A few incisions running longitudinally throughout.

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present
Decoration Description (if present): A few incisions running longitudinally throughout.
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N



Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Flared
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-279

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 11.24mm
Seam: 10.33mm
Side Opposite Seam: 8.86mm

Width:
Maximum: 5.66mm
Top Orifice: 3.6mm
Bottom Orifice: 3.9mm

Thickness:
Rolled Over Side: 0.35mm
Side Opposite Seam: 0.44mm

Weight: 0.5g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 26-50% of object
Type C: Present on 1-25% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout with some Type D.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed and have numerous nicks. Seam of rolled over edge smoothed against rest of bead body. Possible striations running transversely.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-280

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 13.76mm
Seam: 12.33mm
Side Opposite Seam: 12.98mm

Width:
Maximum: 5.9mm
Top Orifice: 3.27mm
Bottom Orifice: 3.08mm

Thickness:
Rolled Over Side: 0.55mm
Side Opposite Seam: 0.61mm

Weight: 0.9g

Patina:
Type A: Present on 51-75% of object
Type B: Present on 26-50% of object
Type C: Not present
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with some Type A.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed with possible polish on upper edge. Crack in left side of upper edge and nick on right side of upper edge. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-281

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 14.61mm
Seam: 12.77mm
Side Opposite Seam: 13.6mm

Width:
Maximum: 6.13mm
Top Orifice: 3.42mm
Bottom Orifice: 4.45mm

Thickness:
Rolled Over Side: 0.63mm
Side Opposite Seam: 0.42mm

Weight: 0.8g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with some accretions and Type D.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed with many small nicks. Lower edge has loss on all sides except rolled over side and right side. Striations running transversely.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Polygonal

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-282

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 9.97mm
Seam: 4.26mm
Side Opposite Seam: 9.67mm

Width:
Maximum: 8.91mm
Top Orifice: 4.59mm
Bottom Orifice: 3.23mm

Thickness:
Rolled Over Side: 1.47mm
Side Opposite Seam: 0.97mm

Weight: 1.4g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with some Type A.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges are smoothed and bent inward. Nick in center of rolled over side's seam edge. Striations running longitudinally on all sides except rolled under side. Right side has longitudinal incisions. Rolled under side has incisions stemming from upper edge. Bead appears to be very distorted or was created with less refined methods. Left side appears to be bent inwards. Cracks on left side with one section separated by a crack splayed from the rest of the bead body.

Manufacturing Stage/Processes:

Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Present

Decoration Description (if present): Right side has longitudinal incisions. Rolled under side has incisions stemming from upper edge.
Cross-Section Shape: Polygonal

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-283

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 11.34mm
Seam: 6.73mm
Side Opposite Seam: 10.69mm

Width:
Maximum: 7.28mm
Top Orifice: 3.93mm
Bottom Orifice: 3.89mm

Thickness:
Rolled Over Side: 0.7mm
Side Opposite Seam: 0.48mm

Weight: 0.6g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C with accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed. Lower edge has possible large loss on rolled under side and side opposite seam is slightly bent inward. Upper edge has potential loss on rolled over and rolled under side, as well as a worn nick in center of side opposite seam. Right portion of side opposite seam is splayed slightly outward and has small crack on right side of this portion. Crack through rolled under side at thinnest point with small hole near lower edge. Cracks in rolled over side and right side.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Polygonal

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-284

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 10.32mm
Seam: 8.47mm
Side Opposite Seam: 8.88mm

Width:
Maximum: 7.4mm
Top Orifice: 3.61mm
Bottom Orifice: 3.32mm

Thickness:
Rolled Over Side: 1.25mm
Side Opposite Seam: 1.66mm

Weight: 1.3g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout with Type C mostly along edges.

Manufacturing Marks and/or Use-Wear:

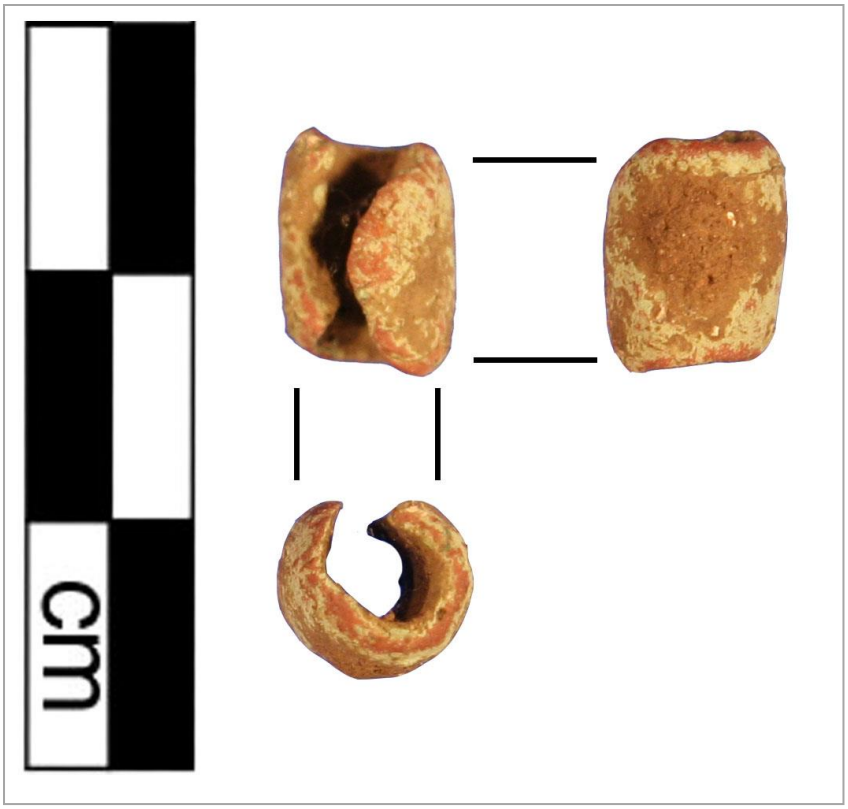
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed. Seam sides possibly pried apart at some point. Incision following upper edge.

Manufacturing Stage/Processes:

Level of Manufacture: Roughly manufactured artifact
Cross-Section Shape: Polygonal
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy

Decorations Present: Not present
Decoration Description (if present):

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N



Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: Seam sides not touching
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments: Since seam sides are not touching, the "rolled over side" documented in the next section is the one that is higher (or extends further away from side opposite seam more).

Artifact: B72-285

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 13.52mm
Seam: 9.75mm
Side Opposite Seam: 13.09mm

Width:
Maximum: 6.12mm
Top Orifice: 3.61mm
Bottom Orifice: 5.46mm

Thickness:
Rolled Over Side: 0.39mm
Side Opposite Seam: 0.34mm

Weight: 0.6g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 51-75% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed. Possible losses on lower edge of right side. Two cracks stemming perpendicularly from lower edge of side opposite seam with area in between these cracks having been bent inwards. Cross-hatched incisions throughout, mostly running longitudinally with some incisions running transversey across rolled under side. Possible polish on seam edge of rolled over side.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Cross-Section Shape: Polygonal
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present
Decoration Description (if present): Cross-hatched incisions throughout, mostly running longitudinally with some incisions running transversey across rolled under side.

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-286

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 16.01mm
Seam: 13.4mm
Side Opposite Seam: 15.24mm

Width:
Maximum: 6.58mm
Top Orifice: 3.37mm
Bottom Orifice: 3.48mm

Thickness:
Rolled Over Side: 1.02mm
Side Opposite Seam: 0.93mm

Weight: 1.7g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 26-50% of object
Type C: Present on 76-100% of object
Type D: Present on 51-75% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A, C, and D and accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed. Nick in center of upper edge of rolled under side. Incisions running longitudinally throughout.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy

Decorations Present: Present
Decoration Description (if present): Incisions running longitudinally throughout.
Cross-Section Shape: Polygonal

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-287

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 15.95mm
Seam: 14.49mm
Side Opposite Seam: 15.35mm

Width:
Maximum: 6.91mm
Top Orifice: 3.45mm
Bottom Orifice: 4.66mm

Thickness:
Rolled Over Side: 0.77mm
Side Opposite Seam: 0.99mm

Weight: 1.4g

Patina:
Type A: Present on 51-75% of object
Type B: Present on 51-75% of object
Type C: Present on 76-100% of object
Type D: Present on 51-75% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A, B, and C and accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed. Lower edge has some nicks on right side. Crack on upper half of rolled over side. Polish on upper half of side opposite seam.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-288

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 15.76mm
Seam: 14.19mm
Side Opposite Seam: 14.86mm

Width:
Maximum: 5.95mm
Top Orifice: 3.43mm
Bottom Orifice: 2.44mm

Thickness:
Rolled Over Side: 0.43mm
Side Opposite Seam: 1.01mm

Weight: 2.3g

Patina:

Type A: Present on 76-100% of object
Type B: Not present
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Top edge slightly worn and rolled over side's top edge is bent inward. Lower edge appears to have been cut cleanly post rolling and that left side was cut diagonally. Crack running perpendicularly to seam edge of rolled over side at center. Striations running longitudinally throughout with some running transversely across back of side opposite seam.

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Possibly cut from copper or brass kettle
Possible Shaping Method: Cut from blank and rolled, smooth

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 360+ degrees
Rolled Under Seam Edge: Pinched
Special Shape: No special shape
Seam Alignment: Askew
General Comments: Brass?

Artifact: B72-289

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 14.19mm
Seam: 12.09mm
Side Opposite Seam: 13.98mm

Width:
Maximum: 6.76mm
Top Orifice: 4.39mm
Bottom Orifice: 4.3mm

Thickness:
Rolled Over Side: 0.57mm
Side Opposite Seam: 0.61mm

Weight: 0.8g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 51-75% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and B and accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed. Corners of lower edge have worn nicks. Some polish is visible in spots throughout body.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Pinched
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-290

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 25.12mm
Seam: 20.88mm
Side Opposite Seam: 24.48mm

Width:
Maximum: 7.21mm
Top Orifice: 4.31mm
Bottom Orifice: 5.3mm

Thickness:
Rolled Over Side: 0.46mm
Side Opposite Seam: 0.56mm

Weight: 2.5g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 51-75% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A, B, and C and accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges smoothed with small nicks throughout. Possible significant loss to lower portion of left side and rolled under side. Center of upper edge of side opposite seam has nick. Incisions and striations running longitudinally throughout bead. Seam of rolled over edge smoothed against rest of bead body. Some polish on seam edge of rolled over side and seam edge of right side.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy

Decorations Present: Present
Decoration Description (if present): Incisions and striations running longitudinally throughout bead.
Cross-Section Shape: Polygonal

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: Tubular
Seam Alignment: Askew
General Comments:

Artifact: B72-291

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 16.11mm
Seam: 15.89mm
Side Opposite Seam: 14.01mm

Width:
Maximum: 6.71mm
Top Orifice: 2.9mm
Bottom Orifice: 2.87mm

Thickness:
Rolled Over Side: 0.62mm
Side Opposite Seam: 0.53mm

Weight: 1.6g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 51-75% of object
Type C: Present on 1-25% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and B and accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present

Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present

Loss:
Broken Piece: Not present
Nicks: Present

Retooling:
Resharpened: Not present
Repaired: Not present

Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges smoothed. Lower edge bent slightly inward and left side has a small nick. Polish throughout bead body. Longitudinal striations throughout bead. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-292

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 19.13mm
Seam: 11.4mm
Side Opposite Seam: 17.86mm

Width:
Maximum: 7.04mm
Top Orifice: 4.92mm
Bottom Orifice: 3.92mm

Thickness:
Rolled Over Side: 0.55mm
Side Opposite Seam: 0.78mm

Weight: 2.4g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C and accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed with worn nicks, especially on upper left and rolled under side and corner of rolled over side. Cracks on surface, probably from folded over hammered manufacturing.

Manufacturing Stage/Processes:
Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Pinched
Special Shape: No special shape
Seam Alignment: Flush
General Comments: Seam edges just touching with one side slightly on top of the other.

Artifact: B72-293

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 11.98mm
Seam: 11.76mm
Side Opposite Seam: 11.27mm

Width:
Maximum: 7.27mm
Top Orifice: 4.64mm
Bottom Orifice: 4.24mm

Thickness:
Rolled Over Side: 0.85mm
Side Opposite Seam: 1.11mm

Weight: 1.8g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 26-50% of object
Type C: Present on 26-50% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions with Type A throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed. Seam of rolled over edge smoothed against rest of bead body and, with accretions, is camouflaged with rest of surface. Possible striations running longitudinally along bead.

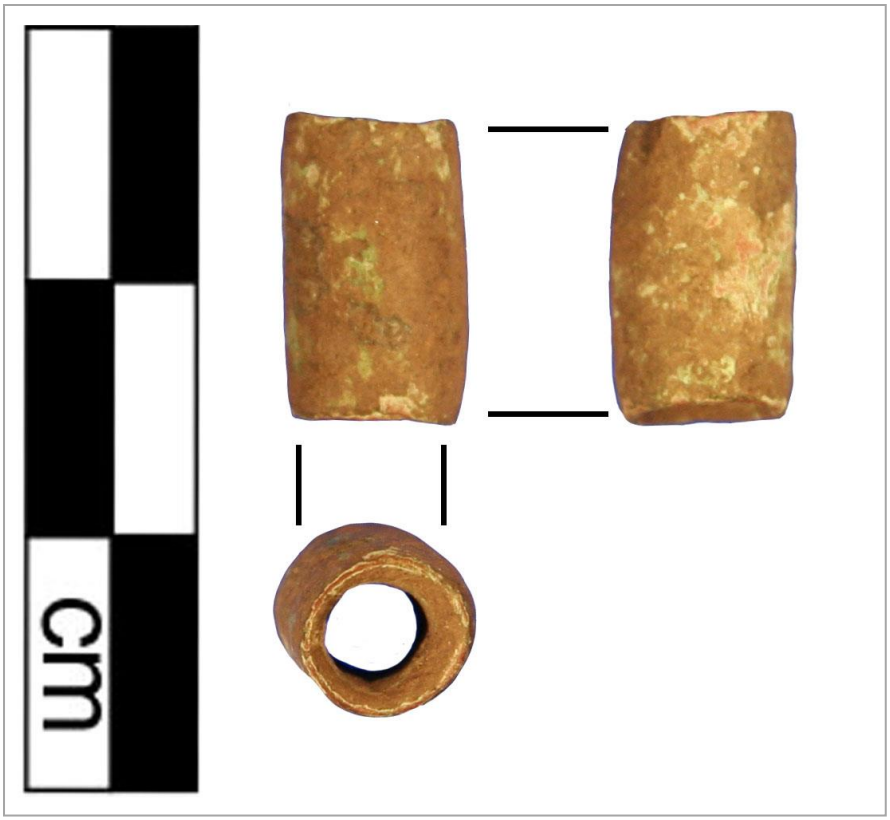
Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured artifact
Cross-Section Shape: Circular
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth

Decorations Present: Not present
Decoration Description (if present):

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: 5
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:



Artifact: B72-294

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 16.77mm
Seam: 12.32mm
Side Opposite Seam: 14.3mm

Width:
Maximum: 8.62mm
Top Orifice: 6.33mm
Bottom Orifice: 5.59mm

Thickness:
Rolled Over Side: 0.69mm
Side Opposite Seam: 0.98mm

Weight: 1.7g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions with Type A throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges smoothed. Nicks and worn area in center of lower edge of side opposite seam. Lower portion of rolled over side is bent inward. Center of seam edge of rolled over side is splayed upward. Polish on rolled under side. Incisions/striations running longitudinally throughout bead body, but especially on lower portion side opposite seam.

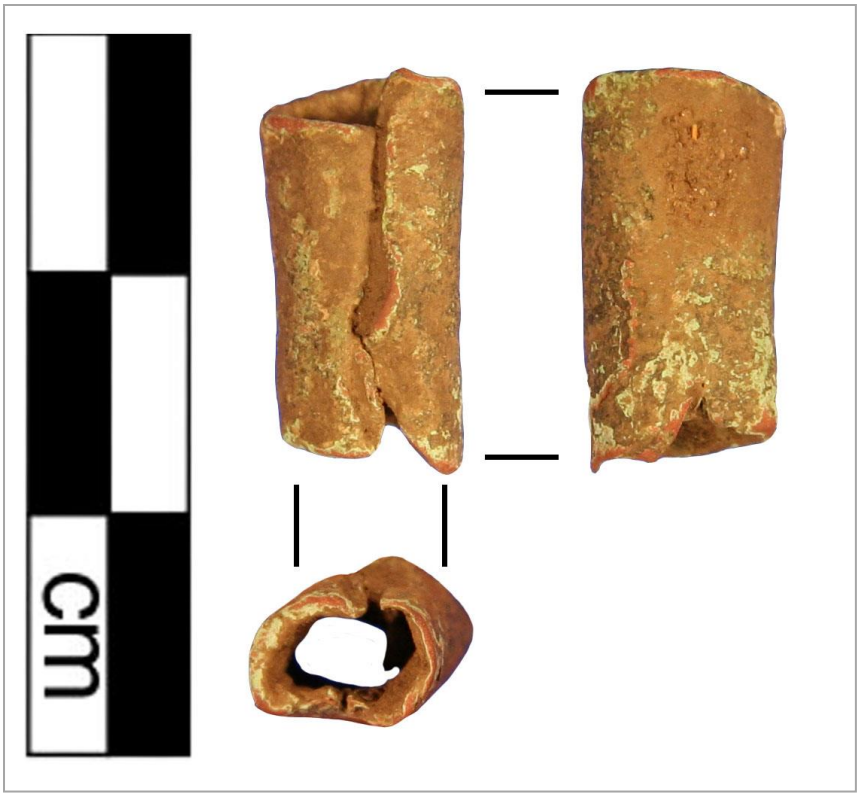
Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:



Artifact: B72-295

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 14.55mm
Seam: 9.19mm
Side Opposite Seam: 11.6mm

Width:
Maximum: 7.65mm
Top Orifice: 4.63mm
Bottom Orifice: 4.05mm

Thickness:
Rolled Over Side: 0.57mm
Side Opposite Seam: 0.87mm

Weight: 1.1g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 26-50% of object
Type C: Not present
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions with Type A throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed with worn nicks in center of lower edge on rolled under side and side opposite seam. Upper left and rolled under side edge is worn down. Striations running longitudinally along entire bead.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - on interior?

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Flared
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-296

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 17.8mm
Seam: 14.61mm
Side Opposite Seam: 16.25mm

Width:
Maximum: 6.88mm
Top Orifice: 4.49mm
Bottom Orifice: 4.6mm

Thickness:
Rolled Over Side: 0.49mm
Side Opposite Seam: 0.75mm

Weight: 1.3g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions with Type A throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges smoothed with small nicks. Striations running longitudinally along left side. Seam of rolled over edge smoothed against rest of bead body. Crack stemming perpendicularly from seam edge of rolled over side.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-297

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 11.72mm
Seam: 10.73mm
Side Opposite Seam: 11.44mm

Width:
Maximum: 7.17mm
Top Orifice: 4.98mm
Bottom Orifice: 4.04mm

Thickness:
Rolled Over Side: 0.49mm
Side Opposite Seam: 0.43mm

Weight: 0.9g

Patina:
Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C and accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed. Upper edge has crack running perpendicularly toward center of bead. Worn nick on upper right corner. Striations possibly running longitudinally along bead.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Polygonal

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-298

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 12.76mm
Seam: 9.59mm
Side Opposite Seam: 11.79mm

Width:
Maximum: 7.78mm
Top Orifice: 4.75mm
Bottom Orifice: 5.57mm

Thickness:
Rolled Over Side: 0.76mm
Side Opposite Seam: 0.62mm

Weight: 0.7g

Patina:
Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 51-75% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with some Type A.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed with many small nicks. Upper edge has larger nicks at center of rolled under side and side opposite seam. Upper right edge has some cracks and it is bent inwards. Lower edge has worn nick on left side. Polish on lower half of left side. Transverse striations throughout. Side opposite seam bent slightly inward.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Flared
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-299

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 19.22mm
Seam: 16.47mm
Side Opposite Seam: 17.09mm

Width:
Maximum: 6.78mm
Top Orifice: 4.46mm
Bottom Orifice: 1.08mm

Thickness:
Rolled Over Side: 0.59mm
Side Opposite Seam: 0.86mm

Weight: 2.8g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Present on 26-50% of object
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges smoothed with possible polish on upper edge. Possible polish on rolled under side and upper half of rolled over side. Lower portion of bead probably smashed post manufacture with right and left sides squished together. Seam of rolled over edge smoothed against rest of bead body. Incisions/striations running longitudinally throughout entire body.

Manufacturing Stage/Processes:

Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: Tubular
Seam Alignment: Flush
General Comments:

Artifact: B72-300

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 16.26mm
Seam: 13.78mm
Side Opposite Seam: 15.49mm

Width:
Maximum: 7.7mm
Top Orifice: 3.16mm
Bottom Orifice: 5.03mm

Thickness:
Rolled Over Side: 0.56mm
Side Opposite Seam: 0.39mm

Weight: 1.5g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 76-100% of object
Type C: Not present
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges smoothed. Left side and rolled under side of upper seam have some worn nicks. Upper right bead edge is splayed outward. Lower edge has worn nick in side opposite seam and lower edge of rolled under side is bent inward. Polish and longitudinal striations throughout bead body. A few cracks on right side.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-301

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 20.72mm
Seam: 15.66mm
Side Opposite Seam: 20.43mm

Width:
Maximum: 6.85mm
Top Orifice: 4.42mm
Bottom Orifice: 5.07mm

Thickness:
Rolled Over Side: 0.72mm
Side Opposite Seam: 0.56mm

Weight: 1.6g

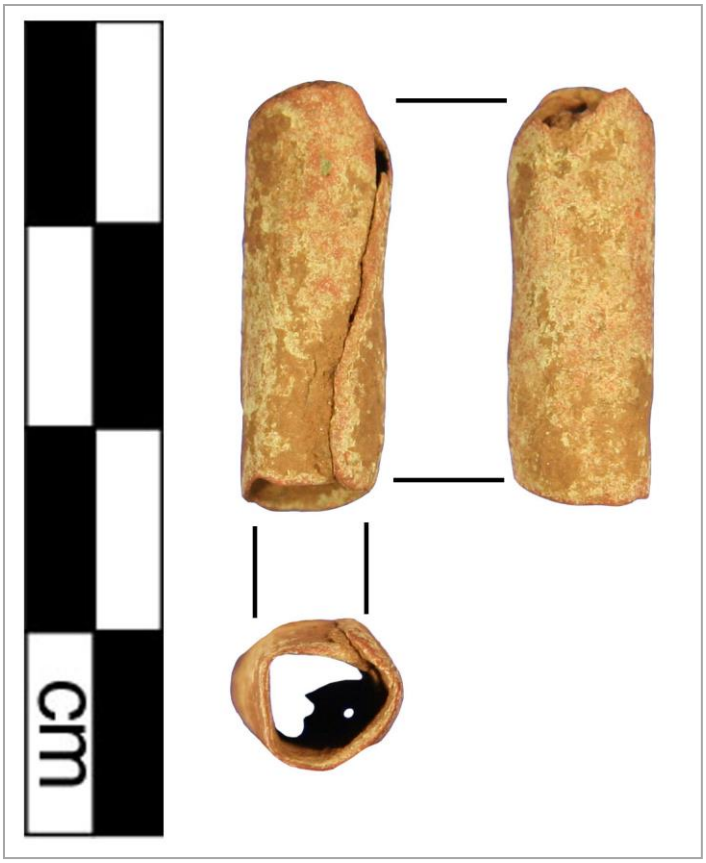
Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C and accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges smoothed. Upper edge has numerous cracks and large losses that include the rolled under side and the side opposite the seam. Right side of upper edge has cracks and is bent inward. Lower edge has slight wear on left side. Striations running longitudinally along right, left, and seam sides. Striations running diagonally along side opposite seam.



Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Indeterminate
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-302

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 24.18mm
Seam: 17.53mm
Side Opposite Seam: 23.68mm

Width:
Maximum: 8.62mm
Top Orifice: 5.84mm
Bottom Orifice: 6.21mm

Thickness:
Rolled Over Side: 0.5mm
Side Opposite Seam: 0.69mm

Weight: 2.6g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 26-50% of object
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges smoothed. Lower edge has possible polish. Upper edge has nick in rolled over side. Right lower edge bent slightly inward. Bead surface is very irregular and this surface was either intentionally created with pressure from a tool or was made with less refined techniques. Surface around seam is especially rough. Longitudinal striations running along bead body on seam and corners. Rolled under side has a crack running transversely from upper edge and stemming to center of body.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Pinched
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-303

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 25.24mm
Seam: 23.29mm
Side Opposite Seam: 24.12mm

Width:
Maximum: 8.42mm
Top Orifice: 6.17mm
Bottom Orifice: 6.46mm

Thickness:
Rolled Over Side: 1.01mm
Side Opposite Seam: 1.03mm

Weight: 3.1g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 51-75% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Present

Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present

Loss:
Broken Piece: Not present
Nicks: Not present

Retooling:
Resharpened: Not present
Repaired: Not present

Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges smoothed with possible polish. Portion of upper edge on left side is bent inward. Lower edge also bent inward at center of rolled under side. Lower edge of rolled under side bent inward as well. Diagonal striations/incisions throughout. Polish throughout body.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy

Decorations Present: Present
Decoration Description (if present): Diagonal striations/incisions throughout.
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments: Brass?

Artifact: B72-304

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 9.77mm
Seam: 7.92mm
Side Opposite Seam: 8.22mm

Width:
Maximum: 6.79mm
Top Orifice: 3.45mm
Bottom Orifice: 2.93mm

Thickness:
Rolled Over Side: 1.09mm
Side Opposite Seam: 0.94mm

Weight: 0.9g

Patina:

Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Present on 76-100% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions with Type D throughout and some Type A.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed. Upper edge has worn nick at center of side opposite seam. Striations running longitudinally throughout bead. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments: Very finely made.

Artifact: B72-305

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 8.87mm
Seam: 7.95mm
Side Opposite Seam: 7.86mm

Width:
Maximum: 11.01mm
Top Orifice: 7.67mm
Bottom Orifice: 7.76mm

Thickness:
Rolled Over Side: 0.55mm
Side Opposite Seam: 0.64mm

Weight: 1g

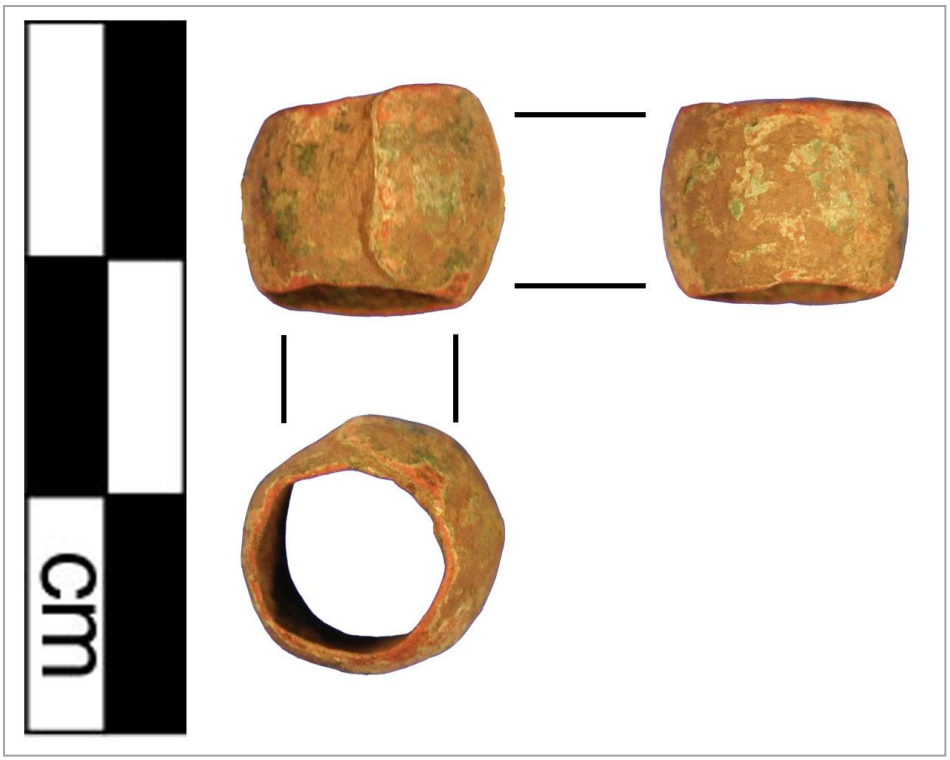
Patina:
Type A: Present on 76-100% of object
Type B: Present on 51-75% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A, B, and C with accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed with slight worn nicks throughout. Seam of rolled over edge smoothed against rest of bead body. Striations running longitudinally throughout. Seam of rolled under side is extremely smoothed into interior wall.

Manufacturing Stage/Processes:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: Globular
Seam Alignment: Flush
General Comments:



Artifact: B72-306

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 18.31mm
Seam: 16.89mm
Side Opposite Seam: 15.91mm

Width:
Maximum: 9.93mm
Top Orifice: 7.53mm
Bottom Orifice: 6.85mm

Thickness:
Rolled Over Side: 0.66mm
Side Opposite Seam: 0.68mm

Weight: 2.6g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed. Lower edge of rolled over side has nick. Striations running longitudinally throughout, though side opposite seam may have striations that run more diagonally.

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Flared
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-307

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 12.64mm
Seam: 10.03mm
Side Opposite Seam: 10.81mm

Width:
Maximum: 7.5mm
Top Orifice: 5.16mm
Bottom Orifice: 5.31mm

Thickness:
Rolled Over Side: 0.66mm
Side Opposite Seam: 1.03mm

Weight: 1.3g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout with some Type C.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed with worn nicks. Center of upper edge of side opposite seam has crack stemming perpendicularly from edge toward center of bead. Possible rectangle-shaped impression near center of seam edge of rolled over side. Striations running longitudinally throughout with a couple possible incisions running diagonally on side opposite seam.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Pinched
Special Shape: No special shape
Seam Alignment: Flush
General Comments: Both rolled under and rolled over seam edges are pinched. On one end they line up against one another equally, but on the other end one side is placed above the other.

Artifact: B72-308

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 18.57mm
Seam: 15.08mm
Side Opposite Seam: 17.45mm

Width:
Maximum: 6.29mm
Top Orifice: 3.9mm
Bottom Orifice: 4.26mm

Thickness:
Rolled Over Side: 0.6mm
Side Opposite Seam: 0.64mm

Weight: 1.6g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 51-75% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C with accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges smoothed with small worn nicks throughout. All sides of upper edge except for right side are worn down. Side opposite seam has worn nick. Seam of lower portion rolled over edge smoothed against rest of bead body, upper portion is bent slightly inward. Striations running longitudinally throughout. Upper half of rolled over side is bent slightly inward.

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Pinched
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-309

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 6.96mm
Seam: 6.12mm
Side Opposite Seam: 6.97mm

Width:
Maximum: 6.09mm
Top Orifice: 2.79mm
Bottom Orifice: 3.14mm

Thickness:
Rolled Over Side: 1mm
Side Opposite Seam: 0.99mm

Weight: 0.8g

Patina:

Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions with some Type A.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present

Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present

Loss:
Broken Piece: Not present
Nicks: Not present

Retooling:
Resharpened: Not present
Repaired: Not present

Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges smoothed with some potential polish. Seam of rolled over edge smoothed against rest of bead body. Striations running transversely on area not covered by accretions.

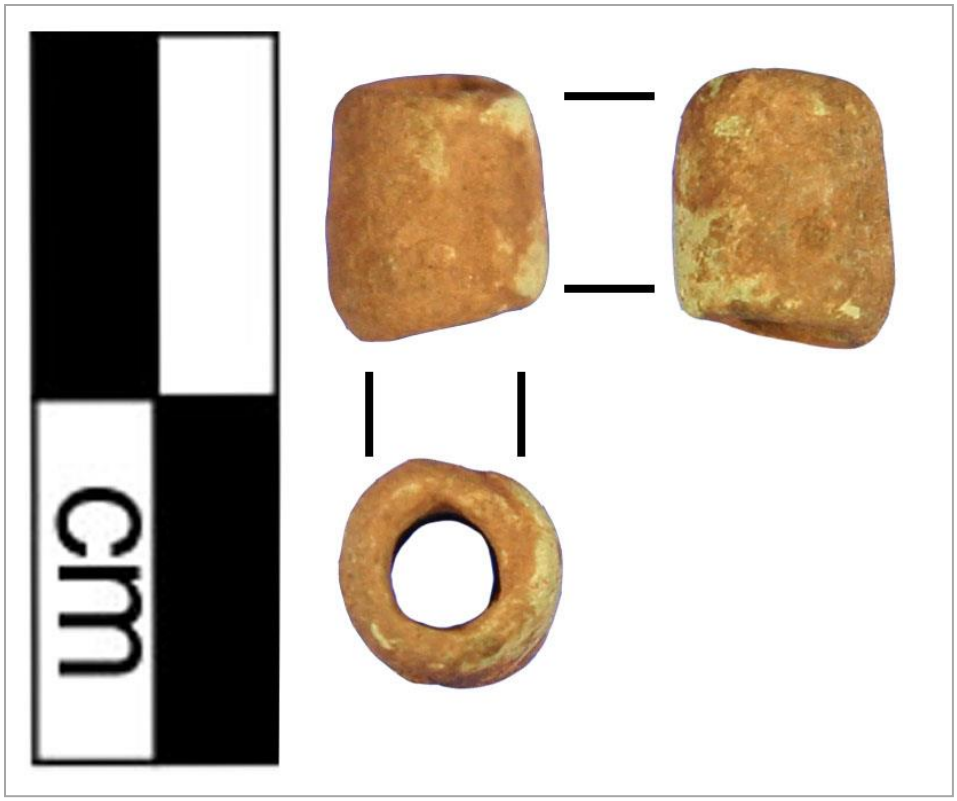
Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured artifact **Cross-Section Shape:** Circular

Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth

Decorations Present: Not present
Decoration Description (if present):

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N



Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: Globular
Seam Alignment: Flush
General Comments:

Artifact: B72-310

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 12.27mm
Seam: 9.9mm
Side Opposite Seam: 11.67mm

Width:
Maximum: 4.52mm
Top Orifice: 2.12mm
Bottom Orifice: 2.96mm

Thickness:
Rolled Over Side: 0.83mm
Side Opposite Seam: 0.67mm

Weight: 0.5g

Patina:
Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with some of Types A and C.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed. Upper edge has worn nick on right side. Seam slightly splayed from rest of body. Possible striations running longitudinally along bead body.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Not present
Decoration Description (if present):

Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No):
N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Indeterminate
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-311

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 14.69mm
Seam: 10.96mm
Side Opposite Seam: 12.75mm

Width:
Maximum: 5.64mm
Top Orifice: 2.69mm
Bottom Orifice: 4.18mm

Thickness:
Rolled Over Side: 0.85mm
Side Opposite Seam: 0.66mm

Weight: 0.9g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 76-100% of object
Type C: Not present
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and B with accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges slightly smoothed with numerous nicks. Larger losses on upper left side and lower right side. Seam of rolled over edge smoothed against rest of bead body. Incisions running longitudinally along right side. Possible striations running longitudinally on rest of bead.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded

Decorations Present: Present
Decoration Description (if present): Incisions running longitudinally along right side.
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-312

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 10.19mm
Seam: 8.58mm
Side Opposite Seam: 10.09mm

Width:
Maximum: 4.9mm
Top Orifice: 2.65mm
Bottom Orifice: 2.48mm

Thickness:
Rolled Over Side: 1.1mm
Side Opposite Seam: 0.93mm

Weight: 0.5g

Patina:
Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C with accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges smoothed with worn nicks on left side on upper and lower bead edges. Nick on lower edge of side opposite seam. Possible striations running longitudinally along entire bead except for side opposite seam where striations appear to run transversely. Seam of rolled over edge smoothed against rest of bead body.

Manufacturing Stage/Processes:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: B72-313

Recorder: JMP **Date:** 5/30/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 12.47mm
Seam: 9.9mm
Side Opposite Seam: 10.94mm

Width:
Maximum: 7.45mm
Top Orifice: 5.06mm
Bottom Orifice: 3.38mm

Thickness:
Rolled Over Side: 0.85mm
Side Opposite Seam: 0.93mm

Weight: 0.6g

Patina:
Type A: Present on 1-25% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 51-75% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions with Type D throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges worn with some nicks. Lower edge has some polish. Bead was squished probably after manufacture with seam edge and side opposite seam being pushed together. Crack on upper half of rolled under side. Wide incisions/divots running longitudinally throughout bead's body. Seam of rolled over edge slightly smoothed against rest of bead body and has divots along its edge and some polish.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded

Decorations Present: Present
Decoration Description (if present): Wide incisions/divots running longitudinally throughout bead's body.
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: B72-314

Recorder: JMP **Date:** 5/30/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 33.89mm
Seam: 7.4mm
Side Opposite Seam: 15.18mm

Width:
Maximum: 6.05mm
Top Orifice: 2.82mm
Bottom Orifice: 2.27mm

Thickness:
Rolled Over Side: 1.3mm
Side Opposite Seam: 1.28mm

Weight: 1.8g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 51-75% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions with Types A and D throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Object has large appendage attached to upper edge. Possibly a bead in a middle stage of manufacture? Or possibly two beads stuck together? Appendage is slightly wavy. Edges are smoothed with some polish. Incisions running along strip of copper. Body of bead slightly polished. Nicks on upper edge and along sides of appendage.

Manufacturing Stage/Processes:

Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present
Decoration Description (if present): Incisions running along strip of copper.
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - on interior?

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 360+ degrees
Rolled Under Seam Edge: Pinched
Special Shape: No special shape
Seam Alignment: Askew
General Comments: Object has large appendage attached to upper edge. Possibly a bead in a middle stage of manufacture?

Artifact: B72-315

Recorder: JMP **Date:** 5/30/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 28.19mm
Seam: 26.37mm
Side Opposite Seam: 25.9mm

Width:
Maximum: 3.13mm
Top Orifice: 1.3mm
Bottom Orifice: 1.11mm

Thickness:
Rolled Over Side: 0.74mm
Side Opposite Seam: 0.8mm

Weight: 1.1g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C with some accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present

Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present

Loss:
Broken Piece: Not present
Nicks: Present

Retooling:
Resharpened: Not present
Repaired: Not present

Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Seam of rolled over edge smoothed against rest of bead body. Incisions/striations running longitudinally along bead body, especially across seam edge. Crack running perpendicularly from upper edge of side opposite seam toward center of bead with two sides being bent slightly inward. Nick on seam edge of rolled under side near upper edge. Large nick on lower edge of side opposite seam with crack stemming perpendicularly from it. Lower portion of bead slightly bent.

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present

Decoration Description (if present): Incisions/striations running longitudinally along bead body, especially across seam edge.
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
General Comments:

Special Shape: Tubular
Seam Alignment: Flush

Artifact: BSB-2

Recorder: JMP **Date:** 6/13/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 10.35mm
Seam: 10.19mm
Side Opposite Seam: 9.42mm

Width:
Maximum: 6.04mm
Top Orifice: 3.54mm
Bottom Orifice: 3.76mm

Thickness:
Rolled Over Side: 0.5mm
Side Opposite Seam: 0.61mm

Weight: 0.6g

Patina:

Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C with some Type A.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Bead was almost completely flattened. Edges slightly worn with slight nicks and some possible small areas of polish. Side opposite seam has possible incisions running diagonally across bead body and some possible striations/incisions running perpendicularly to each edge.

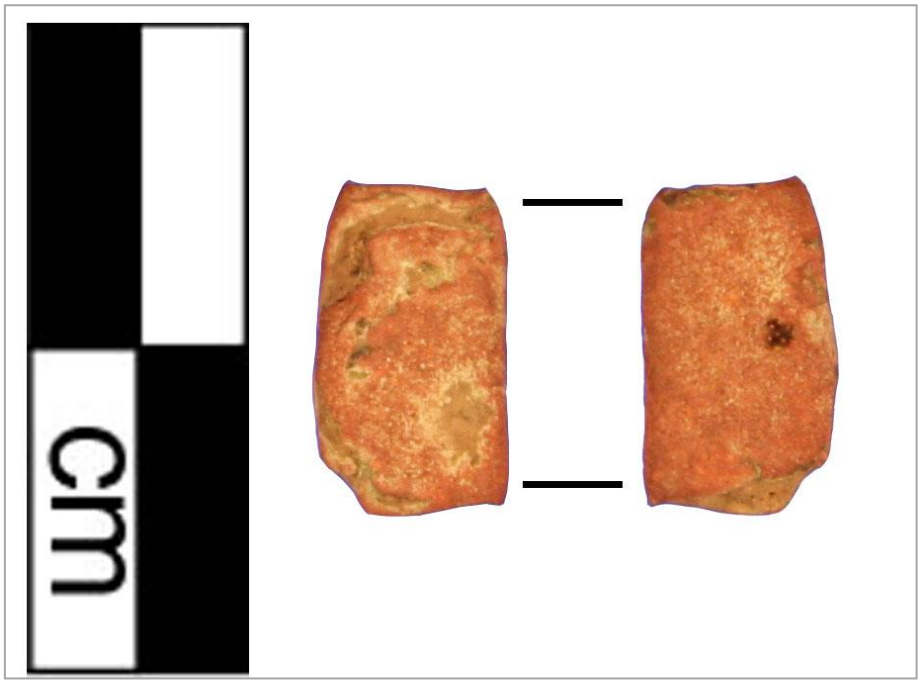
Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Indistinguishable or N/A
Decorations Present: Present
Decoration Description (if present): Side opposite seam has possible incisions running diagonally across bead body and some possible striations/incisions running perpendicularly to each edge.
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - on interior?

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Flared
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Indeterminate
Special Shape: No special shape
Seam Alignment: Askew
General Comments:



Artifact: BSB-4

Recorder: JMP **Date:** 9/26/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Bead

Length:
Full: 9.78mm
Seam: 7.46mm
Side Opposite Seam: 8.89mm

Width:
Maximum: 6.3mm
Top Orifice: N/Amm
Bottom Orifice: N/Amm

Thickness:
Rolled Over Side: N/Amm
Side Opposite Seam: N/Amm

Weight: 0.5g

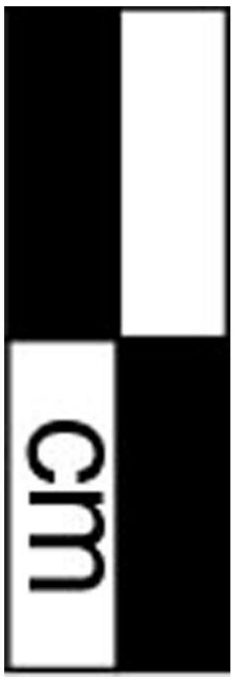
Patina:
Type A: Present on 51-75% of object
Type B: Not present
Type C: Not present
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions and pitting throughout with some Type A.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Possible polish on upper portion of rolled under side. Bead was firmly crushed into flattened shape.

Manufacturing Stage/Processes:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Indistinguishable or N/A
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Indeterminate
Special Shape: No special shape
Seam Alignment: Flush
General Comments: Bead crushed entirely flat. Difficult to determine manufacturing technique and some measurements were not possible to obtain.



Artifact: C98-1

Recorder: JMP **Date:** 5/3/2016

Reported Provenience: Crescent Bay Hunt Club, 1998 Field Season, Unit 89-07, Level 00

Morphofunctional Designation: Bead

Length:
Full: 11.35mm
Seam: 10.92mm
Side Opposite Seam: 10.93mm

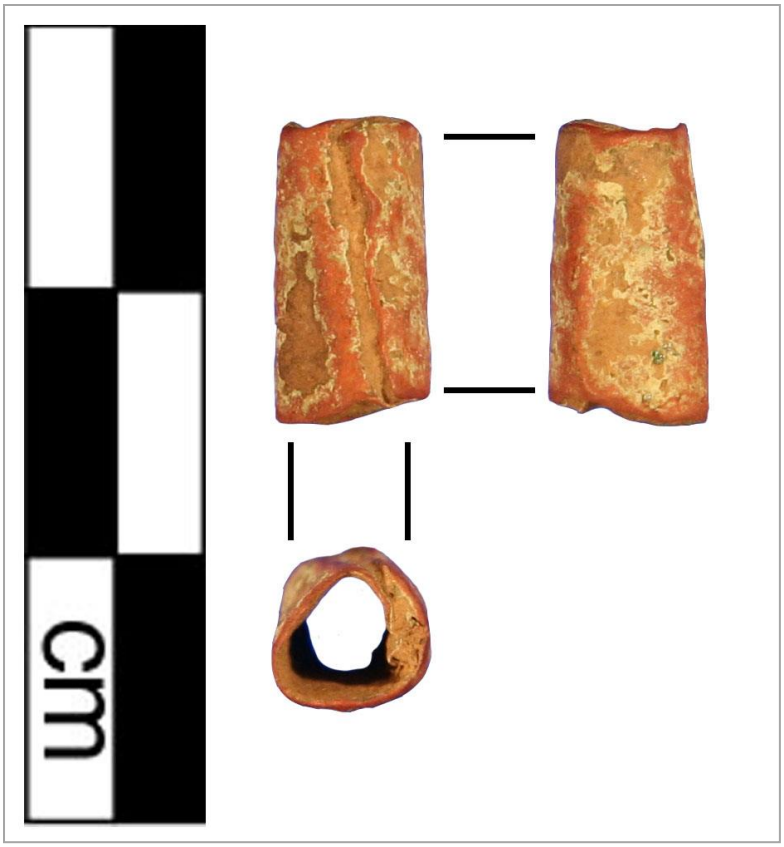
Width:
Maximum: 5.94mm
Top Orifice: 3.32mm
Bottom Orifice: 4.42mm

Thickness:
Rolled Over Side: 0.64mm
Side Opposite Seam: 0.73mm

Weight: 0.7g

Patina:
Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C with accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges worn from use. Seam edge of rolled over side has perpendicular waves to seam edge, possibly indicating it was crimped shut? Polish on top edge of side opposite seam and lower left side. Some possible striations/polish throughout bead body.



Manufacturing Stage/Processes:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Triangular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M - in between seam sides?

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Indeterminate
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: K12-2

Recorder: JMP **Date:** 5/3/2016

Reported Provenience: Koshkonong Creek Village, 2012 Field Season, Unit 12-01,02,03,04, Level 02, FF 12-01, Level 01, Zone P

Morphofunctional Designation: Bead

Length:
Full: 8.35mm
Seam: 4.85mm
Side Opposite Seam: 8.23mm

Width:
Maximum: 4.4mm
Top Orifice: 3mm
Bottom Orifice: 3.66mm

Thickness:
Rolled Over Side: 0.4mm
Side Opposite Seam: 0.45mm

Weight: 0.2g

Patina:
Type A: Present on 76-100% of object
Type B: Not present
Type C: Not present
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A throughout with some accretions.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Some nicks along upper and lower bead edges. Slight flaring of upper and lower edges. Cracks throughout rolled over and rolled under sides.

Manufacturing Stage/Processes:
Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Irregularly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Pinched
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: K12-4

Recorder: JMP **Date:** 5/3/2016

Reported Provenience: Koshkonong Creek Village, 2012 Field Season, Unit 12-01,02,03,04, FF 12-01, Zone P

Morphofunctional Designation: Bead

Length:
Full: 9.77mm
Seam: 7.51mm
Side Opposite Seam: 9.78mm

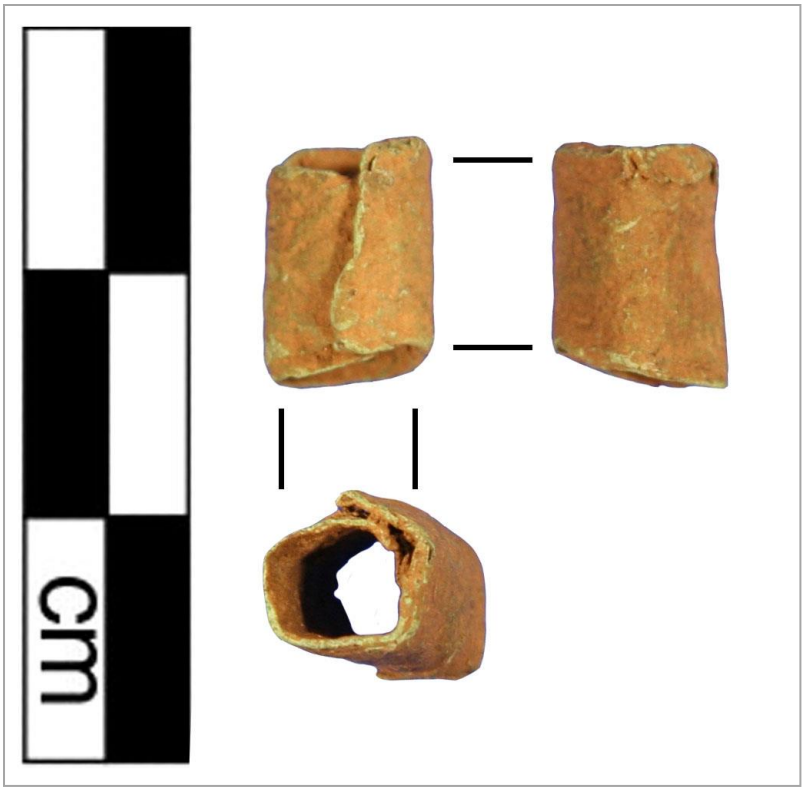
Width:
Maximum: 6.98mm
Top Orifice: 6.05mm
Bottom Orifice: 5.71mm

Thickness:
Rolled Over Side: 0.76mm
Side Opposite Seam: 0.6mm

Weight: 0.8g

Patina:
Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Top bead edge has portions folded over on side opposite seam that are smoothed against body and portions on rolled over seam's top edge that are folded into bead and smoothed against body. Some dents and ripples along seam edge of rolled over side, which could indicate that seam was crimped shut. Edges are worn and some cracks along edges, especially areas with folded sections. Two incisions down left side starting at top edge and extending halfway to center of bead longitudinally.



Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Square

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Flared
Amount of Overlap of Seam Sides: 91-180 degrees
Rolled Under Seam Edge: Indeterminate
Special Shape: No special shape
Seam Alignment: Askew
General Comments:

Artifact: K14-1

Recorder: JMP **Date:** 5/3/2016

Reported Provenience: Koshkonong Creek Village, 2014 Field Season, Unit 14-02, Level 04, FF 14-02, Zone A, 1/4" screen

Morphofunctional Designation: Bead

Length:
Full: 10.04mm
Seam: 6.99mm
Side Opposite Seam: 9.7mm

Width:
Maximum: 5mm
Top Orifice: 3.04mm
Bottom Orifice: 2.97mm

Thickness:
Rolled Over Side: 0.63mm
Side Opposite Seam: 0.74mm

Weight: 0.5g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 26-50% of object
Type C: Present on 1-25% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and B throughout with accretions.

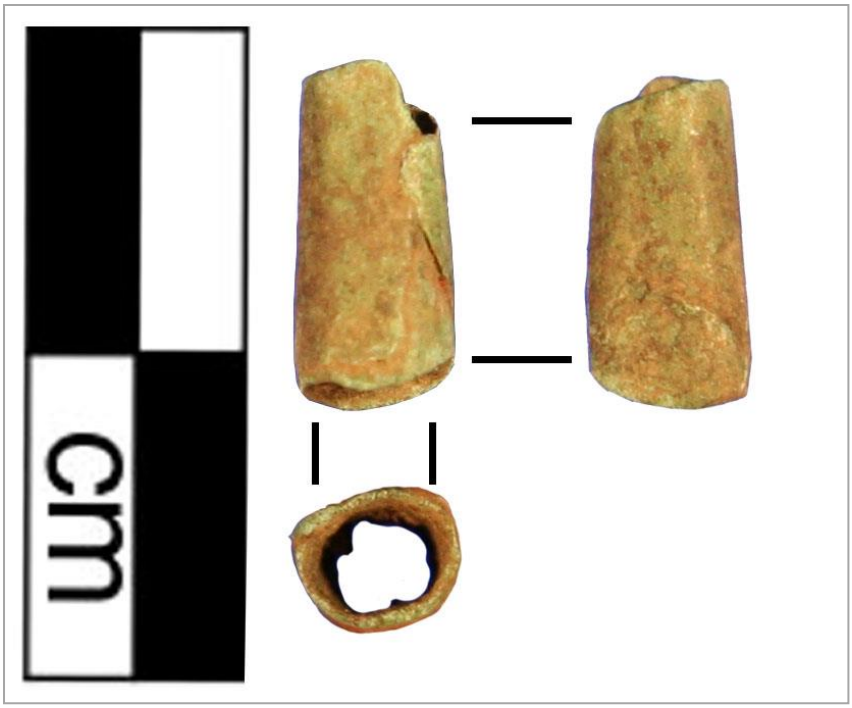
Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges are worn with use. Some polish on upper bead edge. Lower right bead edge folded upward and smoothed against body, polish on this "flap." Also polish across seam side. Numerous small incisions running perpendicular to seam edge of rolled over side, possibly indicating that seam was crimped shut. Slight striations running transversely across entire body of bead

Manufacturing Stage/Processes:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:
Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Pinched
Special Shape: No special shape
Seam Alignment: Askew
General Comments:



Artifact: S-4

Recorder: JMP **Date:** 7/3/2015

Reported Provenience: Schmeling Site, Schmeling Collection **Morphofunctional Designation:** Bead

Length:
Full: 9.9mm
Seam: 8.7mm
Side Opposite Seam: 8.58mm

Width:
Maximum: 6.45mm
Top Orifice: 3.94mm
Bottom Orifice: 4.79mm

Thickness:
Rolled Over Side: 0.7mm
Side Opposite Seam: 0.72mm

Weight: 0.9g

Patina:

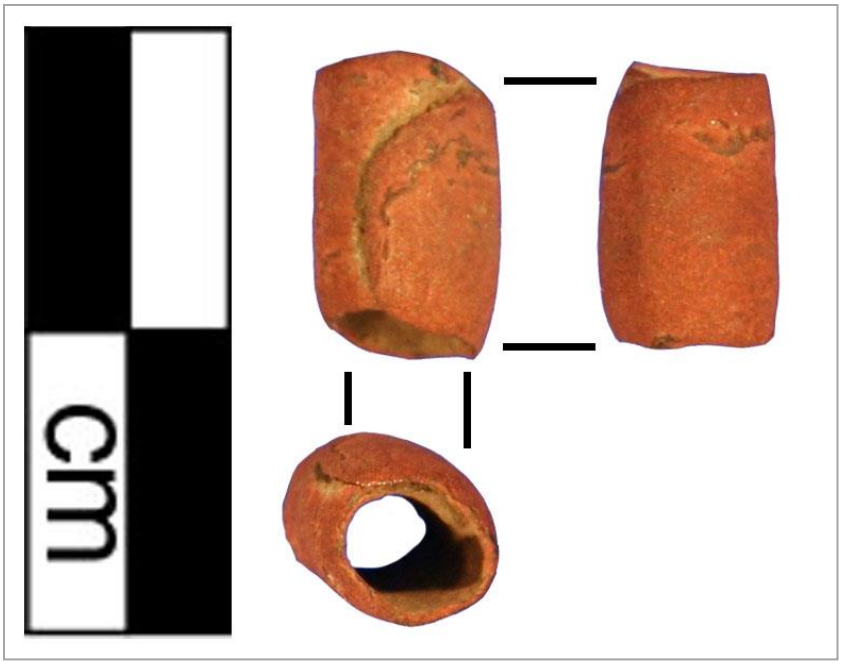
Type A: Present on 1-25% of object
Type B: Not present
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 1-25% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C throughout with Type D in recesses and Type A along seam on rolled under side.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges are worn with some possible polish. Upper bead edge may have small amount of thick black accretion. Lower edge has some worn nicks on right side. Some striations running longitudinally along bead's body throughout. Possible incisions running along seam edge on rolled over side and following bead's body longitudinally closer to top edge with numerous longitudinal incisions/striations on left side. Could be decorative or marks from fold over hammered manufacturing.

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Present
Decoration Description (if present): Some striations running longitudinally along bead's body throughout. Possible incisions running along seam edge on rolled over side and following bead's body longitudinally closer to top edge with numerous longitudinal incisions/striations on left side. C
Cross-Section Shape: Polygonal



Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments:

Artifact: S-5

Recorder: JMP **Date:** 7/3/2015

Reported Provenience: Schmeling Site, Schmeling Collection **Morphofunctional Designation:** Bead

Length:
Full: 10.86mm
Seam: 8.61mm
Side Opposite Seam: 8.47mm

Width:
Maximum: 5.08mm
Top Orifice: 3.44mm
Bottom Orifice: 3.34mm

Thickness:
Rolled Over Side: 0.42mm
Side Opposite Seam: 0.3mm

Weight: 0.3g

Patina:

Type A: Present on 1-25% of object
Type B: Not present
Type C: Present on 76-100% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C throughout with Types A and D in recesses. Thick black accretions on lower edge of rolled under side and extending to lower edge of side opposite seam.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Thick black accretion on lower edge of rolled under side and extending to lower edge of side opposite seam. Lower edge is worn with flakey appearance of edge and one small section bent inward on side opposite seam. Slight bend inward on each side of the lower bead edge. Top edge is also worn with flakey appearance of edge. Rolled over seam edge is very precisely smoothed against rolled under seam edge. Surface appears to have some ripples from hammering, but also appears to have striations that run transversely across bead's body throughout.

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured artifact
Cross-Section Shape: Oval
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, smooth

Decorations Present: Not present
Decoration Description (if present):

Organic Residue Present? (Y = Yes; M = Maybe; N = No): Y

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Tapered
Amount of Overlap of Seam Sides: 181-270 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Askew
General Comments: Thick black accretions possibly a pitch-like substance?

APPENDIX E:
PENDANTS OF THE CRABAPPLE POINT, CRESCENT BAY HUNT CLUB, SCHMELING, AND KOSHKONONG CREEK VILLAGE SITES

Artifact: BW-6

Recorder: JMP **Date:** 4/27/16

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Other

Length:
Full: 14.25mm
Head: N/A
Body: N/A

Width:
Full: 10.07mm
Head: N/A
Body: 10.07mm

Thickness:
Head: N/A
Body: 0.47mm

Weight: 0.3g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 51-75% of object
Type C: Present on 1-25% of object
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and B throughout with accretions. Type D mostly along edges.

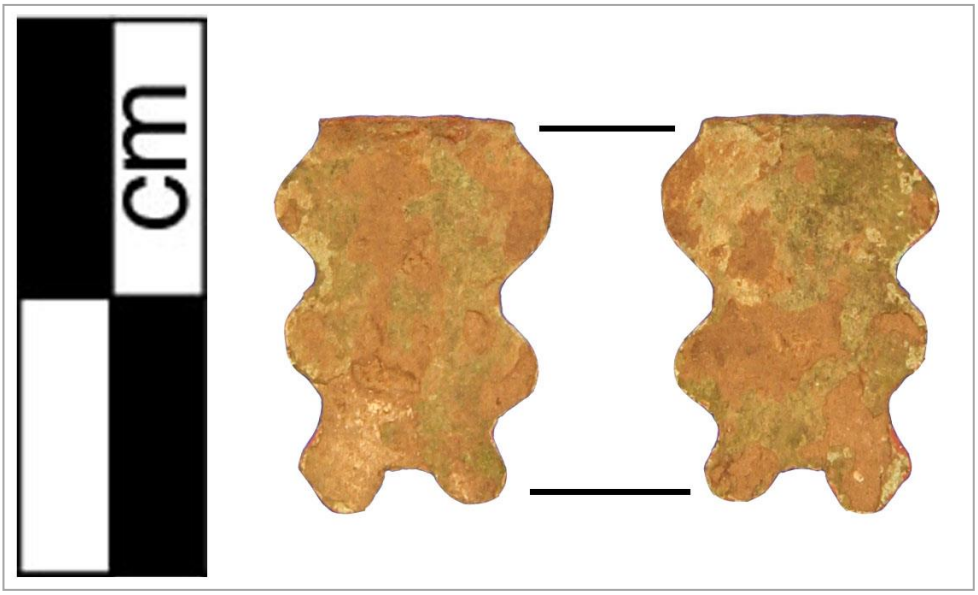
Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Piece is broken half of pendant or other shaped, decorative, delicate object. Break runs perpendicular to body and flares outward in one direction as if it broke along a bend. Striations running both transversely to body and following length of both sides of body, probably from manufacture but could be decoration? Edges are smoothed probably from manufacture, but could also be from use.

Manufacturing Stage/Process:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Possibly present
Decoration Description (if present): Possibly present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

Attachment Type: Attachment not present or indistinguishable
Pendant Shape: Serpentine
Attachment/Larger End Shape: Pointed
End Opposite of Attachment Shape: Other
General Comments: Broken pendant? No attachment on this half. End has two humps. Sides have two serpentine humps that are mirrored.



Artifact: BW-7

Recorder: JMP **Date:** 4/27/16

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Other

Length:
Full: 38.05mm
Head: 7.07mm
Body: 27.3mm

Width:
Full: 13.32mm
Head: 10.72mm
Body: 9.95mm

Thickness:
Head: 0.67mm
Body: 0.62mm

Weight: 1.5g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 26-50% of object
Type C: Not present
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and B throughout with accretions.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Small broken corner on wider end of object that was then folded over. Striations along body? Edges were smoothed during manufacture or worn from use. Possible nicks along edges or just irregular shaping of serpentine sides.

Manufacturing Stage/Process:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Possibly present
Decoration Description (if present): Possibly present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Attachment not present or indistinguishable
Pendant Shape: Serpentine
Attachment/Larger End Shape: Squared/Flat
End Opposite of Attachment Shape: Rounded
General Comments: Shaped similar to a pendant but with no attachment apparatus. Notated in the following pendant section since it most resembles that form. Serpentine edges are irregular and do not neatly follow each other, edges almost mirror one another. Shape of object overall is somewhat bent like a crescent.

Artifact: BW-8

Recorder: JMP **Date:** 4/27/16

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Other

Length:
Full: 27.84mm
Head: 2.5mm
Body: 24.74mm

Width:
Full: 7.07mm
Head: 3.11mm
Body: 7.07mm

Thickness:
Head: 0.56mm
Body: 0.59mm

Weight: 0.3g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A throughout with accretions and some Type C.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Square end possibly broken? Wear and striations along very center of body, possibly from a string/rope attachment? Edges are very thin from use and/or manufacture and may have some missing nicks.

Manufacturing Stage/Process:
Level of Manufacture: Moderately refined manufactured artifact
Cross-Section Shape: Flat
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present:
Decoration Description (if present):

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Attachment not present or indistinguishable
Pendant Shape: Serpentine
Attachment/Larger End Shape: Other
End Opposite of Attachment Shape: Squared/Flat
General Comments: Shaped similar to a pendant but with no attachment apparatus. Notated in the following pendant section since it most resembles that form. Possibly a broken pendant? Possibly attached with a string/rope around the center of the body?

Artifact: B70-1

Recorder: JMP **Date:** 5/2/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 28.61mm
Head: N/A
Body: N/A

Width:
Full: 32.8mm
Head: 14.51mm
Body: 32.8mm

Thickness:
Head: 1.49mm
Body: 1.13mm

Weight: 3.5g

Patina:
Type A: Present on 51-75% of object
Type B: Not present
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and B throughout with accretions. Accretions are especially thick on side of pendant where punch is convex.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Present
Loss:
Broken Piece: Present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: One intact punch and one loss that looks like a notch now but could have been originally a punch that later broke. Edges are rounded and flat edge opposite attachment could be broken or worn. There may be slight striations running transversely on the tip of this edge on left side (with concave side of punctate) and the right side has flakey steps that could indicate breakage. Slight dent near punch and is concave on same side that punch is concave. Striations run across entire pendant transversely on side with concave punch, but on opposite side they run longitudinally throughout.

Manufacturing Stage/Process:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and punched
Decorations Present: Not present
Decoration Description (if present): Not present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Punched
Pendant Shape: Other
Attachment/Larger End Shape: Rounded
End Opposite of Attachment Shape: Squared/Flat
General Comments: Polygonal in shape and possibly broken on end opposite punch.

Artifact: B70-2

Recorder: JMP **Date:** 5/2/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 26.68mm
Head: 6.44mm
Body: 19.3mm

Width:
Full: 12.44mm
Head: 7.17mm
Body: 8.07mm

Thickness:
Head: 0.56mm
Body: 0.65mm

Weight: 0.4g

Patina:
Type A: Present on 76-100% of object
Type B: Not present
Type C: Present on 1-25% of object
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Crack running transversely right under punch. Head of pendant barely still attached. Striations/incisions running longitudinally on both sides of pendant. Edges are slightly worn and small nicks are taken from lower edge and around pendant head.

Manufacturing Stage/Process:
Level of Manufacture: Moderately refined manufactured artifact
Cross-Section Shape: Flat
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and punched
Decorations Present: Possibly present
Decoration Description (if present): Possibly present

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Punched
Pendant Shape: Serpentine
Attachment/Larger End Shape: Rounded
End Opposite of Attachment Shape: Squared/Flat
General Comments:

Artifact: B70-3

Recorder: JMP **Date:** 5/2/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 21.41mm
Head: N/A
Body: N/A

Width:
Full: 11.39mm
Head: 5.74mm
Body: 6.89mm

Thickness:
Head: 0.92mm
Body: 0.95mm

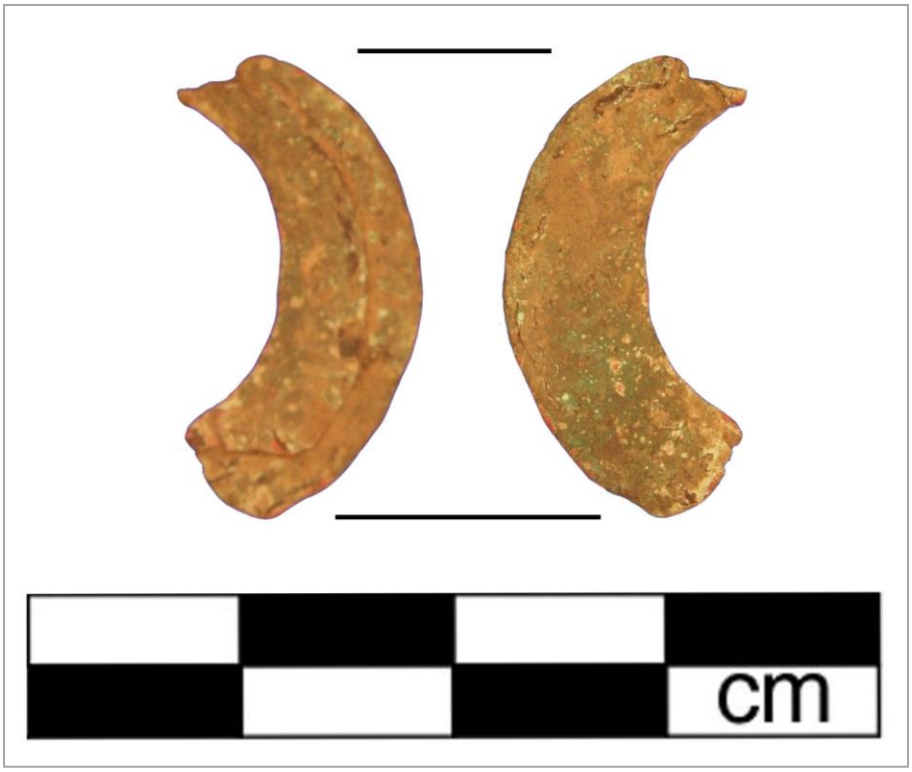
Weight: 0.6g

Patina:
Type A: Present on 26-50% of object
Type B: Present on 51-75% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type B and accretions throughout with some Type A.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Ends possibly broken? One end is rounded and slightly splayed and other edge is irregular with one corner slightly splayed and twisted. Probably manufactured by folded over and hammering layers since one layer is clearly visible. This object also could have been tubular at one point in time, and has the form of a crescent-shaped bead that wasn't fully closed. Edges are rounded. Line of smoothed wear running transversely across object close to rounded edge, possible wear from being wrapped with a cord.

Manufacturing Stage/Process:
Level of Manufacture: Moderately refined manufactured artifact
Cross-Section Shape: Flat
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Indistinguishable or N/A
Decorations Present: Not present
Decoration Description (if present): Not present

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N



Comments:
Attachment Type: Attachment not present or indistinguishable
Pendant Shape: Talon-shaped
Attachment/Larger End Shape: Rounded
End Opposite of Attachment Shape: Pointed
General Comments:

Artifact: B70-4

Recorder: JMP **Date:** 5/2/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 19.09mm
Head: 4.68mm
Body: 14.41mm

Width:
Full: 14.96mm
Head: 10.89mm
Body: 14.96mm

Thickness:
Head: 0.65mm
Body: 0.5mm

Weight: 0.5g

Patina:
Type A: Present on 76-100% of object
Type B: Not present
Type C: Present on 1-25% of object
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Punch is broken and now looks like a divot in head of pendant. Crack running across entire center of pendant transversely. Small nick on side of pendant near this crack. Possible polish along top edge of pendant head and lower edge opposite of punch is irregularly shaped and was probably broken.

Manufacturing Stage/Process:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and punched
Decorations Present: Not present
Decoration Description (if present): Not present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Punched
Pendant Shape: Other
Attachment/Larger End Shape: Broken
General Comments: Broken piece? Could have been more of the "sword" type originally or like object B70-11. Could also be a possble mace-like end.
End Opposite of Attachment Shape: Other

Artifact: B70-5

Recorder: JMP **Date:** 5/2/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 17.46mm
Head: 3.28mm
Body: 14.75mm

Width:
Full: 12.45mm
Head: 6.71mm
Body: 4.54mm

Thickness:
Head: 2.19mm
Body: 0.65mm

Weight: 0.4g

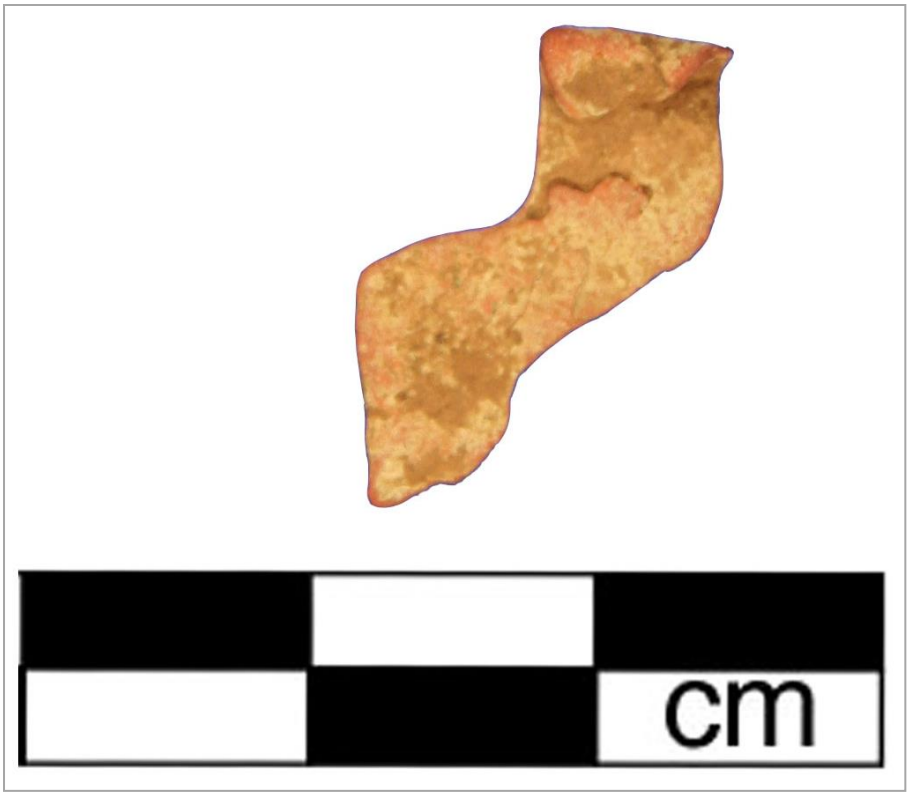
Patina:
Type A: Present on 76-100% of object
Type B: Not present
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Attachment folded over. Edges are rounded with lower edge having slight nicks and rounding, possibly broken or used. Crack running transversely near attachment end. Possible striations running longitudinally on both sides. Edges of attachment slightly worn.

Manufacturing Stage/Process:
Level of Manufacture: Moderately refined manufactured artifact
Cross-Section Shape: Flat
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Folded
Decorations Present: Possibly present
Decoration Description (if present): Possibly present

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Rolled over
Pendant Shape: Serpentine
Attachment/Larger End Shape: Squared/Flat
End Opposite of Attachment Shape: Pointed
General Comments: Possible rolled over attachment.



Artifact: B70-6

Recorder: JMP **Date:** 5/2/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 17.43mm
Head: N/A
Body: N/A

Width:
Full: 9.48mm
Head: 9.48mm
Body: 8.68mm

Thickness:
Head: 1.61mm
Body: 1.09mm

Weight: 0.5g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and thicker accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Side of pendant with converse side of punch is flakey and has many cracks and layers, probably evidence of fold over hammered manufacturing. One corner of head/body of pendant has broken off and left irregular edge and some cracks. Crack running from pointed end up toward center of pendant with one side of crack splayed upward and other side slightly bent in the other direction. Possible striations running longitudinally throughout pendant body on side with concave side of punch. Edges are rounded and slightly irregular/nicked.

Manufacturing Stage/Process:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and punched
Decorations Present: Possibly present
Decoration Description (if present): Possibly present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Punched
Pendant Shape: Shield-shaped
Attachment/Larger End Shape: Rounded
End Opposite of Attachment Shape: Pointed
General Comments:

Artifact: B70-7

Recorder: JMP **Date:** 5/2/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 18.66mm
Head: N/A
Body: N/A

Width:
Full: 9.69mm
Head: 6.19mm
Body: 7.8mm

Thickness:
Head: 0.64mm
Body: 1.02mm

Weight: 0.4g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and thicker accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Slight bend in center of pendant. Crack running transversely across pendant body near first turn in serpentine sides. On opposite side, one crack running transversely near center of pendant with cracked layer slightly splayed from rest of pendant body. One end possibly broken. Pointed end is nicked with remaining tip bent. Incisions running diagonally across body of pendant on more concave side of pendant. Opposite side may have some incisions, but accretions make this difficult to discern. Edges are rounded and may have wear.

Manufacturing Stage/Process:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Not present
Decoration Description (if present): Not present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Attachment not present or indistinguishable
Pendant Shape: Serpentine
Attachment/Larger End Shape: Broken
End Opposite of Attachment Shape: Pointed
General Comments:

Artifact: B70-8

Recorder: JMP **Date:** 5/2/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 15.1mm
Head: N/A
Body: N/A

Width:
Full: 8.76mm
Head: 5.01mm
Body: 5.06mm

Thickness:
Head: 1.31mm
Body: 0.81mm

Weight: 0.3g

Patina:
Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: One end is broken with one corner slightly bent upward. Possible striations running longitudinally along pendant body. Edges are rounded. Small nick taken out of lower edge.

Manufacturing Stage/Process:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Possibly present
Decoration Description (if present): Possibly present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Attachment not present or indistinguishable
Pendant Shape: Serpentine
Attachment/Larger End Shape: Broken
End Opposite of Attachment Shape: Tapered
General Comments:

Artifact: B70-9

Recorder: JMP **Date:** 5/2/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 45.18mm
Head: 15.29mm
Body: 28.44mm

Width:
Full: 15.49mm
Head: 15.49mm
Body: 7.43mm

Thickness:
Head: 0.92mm
Body: 1.1mm

Weight: 2.4g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 26-50% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Present on 1-25% of object
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and B throughout with accretions.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Some incisions running longitudinally along both sides. Polish along lower edge and lower portion of side where punches are concave. Edges are slightly worn. Two significant cracks on side where punches are convex with layers made from cracks slightly splayed away from rest of pendant body.

Manufacturing Stage/Process:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and punched
Decorations Present: Not present
Decoration Description (if present): Not present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Punched
Pendant Shape: Serpentine
Attachment/Larger End Shape: Pointed
End Opposite of Attachment Shape: Tapered
General Comments: Two punches. Serpentine turns mostly mirror one another.

Artifact: B70-10

Recorder: JMP **Date:** 5/2/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 26.53mm
Head: 3.23mm
Body: 23.29mm

Width:
Full: 10.87mm
Head: 5.27mm
Body: 9.71mm

Thickness:
Head: 0.55mm
Body: 0.69mm

Weight: 0.8g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout with Type C mostly along edges.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Punch is broken, mostly on one side. Wear and nicks on side opposite punch. Incisions running diagonally across side with concave side of punch. Opposite side has striations running longitudinally.

Manufacturing Stage/Process:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and punched
Decorations Present: Possibly present
Decoration Description (if present): Possibly present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Punched
Pendant Shape: Mace-shaped
Attachment/Larger End Shape: Broken
End Opposite of Attachment Shape: Rounded
General Comments: Shape resembles "sword" shape, but has two points. Probably a mace figure.

Artifact: B70-11

Recorder: JMP **Date:** 5/2/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 26.63mm
Head: 4.37mm
Body: 23.2mm

Width:
Full: 19.99mm
Head: 6.02mm
Body: 19.99mm

Thickness:
Head: 0.41mm
Body: 1.13mm

Weight: 1.7g

Patina:
Type A: Present on 1-25% of object
Type B: Not present
Type C: Not present
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with Types A and D along edges.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Head of pendant has very small punch with crack leading up to it from edge. Edges throughout pendant shows that pendant is made of many thinned layers. One layers has broken off of half of pendant head and remaining layers are bent. On same side on first left flare has one layer broken off and remaining layers bent. Possible incisions running longitudinally along pendant on both sides. Edges are slightly worn.

Manufacturing Stage/Process:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and punched
Decorations Present: Possibly present
Decoration Description (if present): Possibly present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Punched
Pendant Shape: Other
Attachment/Larger End Shape: Rounded
End Opposite of Attachment Shape: Other
General Comments: Mace figure? Or female figure?

Artifact: B70-12

Recorder: JMP **Date:** 5/2/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 23.69mm
Head: 4.45mm
Body: 18.54mm

Width:
Full: 27.94mm
Head: 11.1mm
Body: 8.83mm

Thickness:
Head: 1.44mm
Body: 0.7mm

Weight: 1g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Not present
Type E: Present on 1-25% of object
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions. Type E on top of some accretions.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: One corner of squared edge is folded backward. The folded area is probably too small to have acted as an attachment. Another small area on one side is slightly bent. All edges have nicks/wear. Decorative incisions and cross-hatching on side where corner is folded over. Opposite side may have decorations, but accretions are too thick to observe surface.

Manufacturing Stage/Process:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Present
Decoration Description (if present): Present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): Y – attached to accretions

Comments:
Attachment Type: Attachment not present or indistinguishable
Pendant Shape: Talon-shaped
Attachment/Larger End Shape: Squared/Flat
End Opposite of Attachment Shape: Tapered
General Comments: Possibly attached by wrapped cord near flattened end.

Artifact: B70-13

Recorder: JMP **Date:** 5/2/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 13.12mm
Head: 10.59mm
Body: 6.17mm

Width:
Full: 16.24mm
Head: 16.24mm
Body: 6.85mm

Thickness:
Head: 1.09mm
Body: 0.45mm

Weight: 0.4g

Patina:
Type A: Present on 76-100% of object
Type B: Not present
Type C: Present on 1-25% of object
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Pendant is broken a few centimeters down the body of the pendant. Incised cross-hatching on both sides. Edges are slightly worn.

Manufacturing Stage/Process:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and punched
Decorations Present: Present
Decoration Description (if present): Present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Punched
Pendant Shape: Other
Attachment/Larger End Shape: Rounded
End Opposite of Attachment Shape: Broken
General Comments: Objects B70-13 and B70-14 were placed next to each other in Bussey's tray to make it look like they were two parts of the same object, but the parts do not fit together and are probably from separate objects. They will be documented as separate pendants. Shape of this piece has rounded top with two rounded tines with thinner body sprouting from center.

Artifact: B70-14

Recorder: JMP **Date:** 5/2/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 29.61mm
Head: N/A
Body: N/A

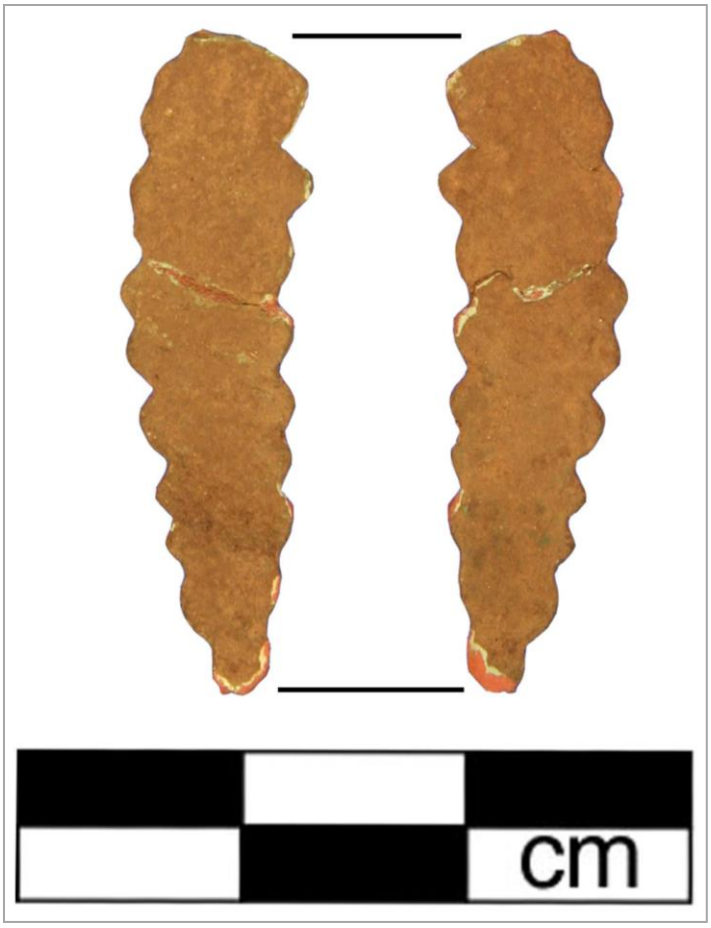
Width:
Full: 8.31mm
Head: 6.13mm
Body: 5.54mm

Thickness:
Head: 0.46mm
Body: 0.91mm

Weight: 0.6g

Patina:
Type A: Present on 1-25% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with Type A along edges.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Thick accretions throughout make it difficult to discern surface. Possible striations/incisions on surface. One end is broken. Crack running transversely across pendant near center. Two dents or incisions running perpendicularly to pendant's body near broken end, possibly decorations or initial stages of punches?



Manufacturing Stage/Process:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Not present
Decoration Description (if present): Not present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Attachment not present or indistinguishable
Pendant Shape: Serpentine
Attachment/Larger End Shape: Squared/Flat
End Opposite of Attachment Shape: Tapered
General Comments: Objects B70-13 and B70-14 were placed next to each other in Bussey's tray to make it look like they were two parts of the same object, but the parts do not fit together and are probably from separate objects. They will be documented as separate pendants. Serpentine shape is irregular and curves are mostly mirror themselves.

Artifact: B70-15

Recorder: JMP **Date:** 5/18/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 24.55mm
Head: N/A
Body: N/A

Width:
Full: 8.24mm
Head: 7.04 and 5.22mm
Body: 5.72mm

Thickness:
Head: 0.49mm
Body: 0.41 and 0.65mm

Weight: 0.5g

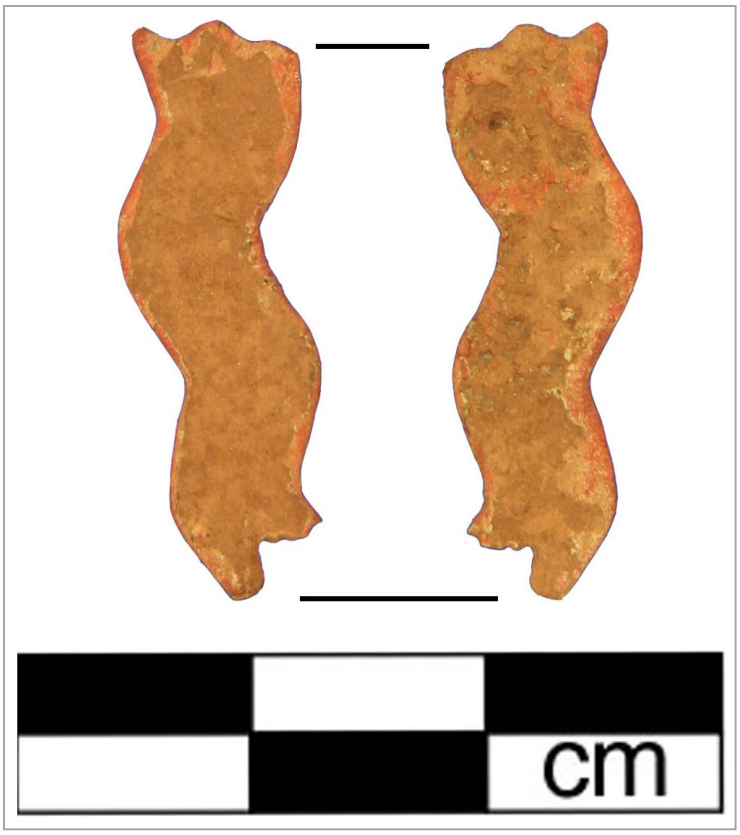
Patina:
Type A: Present on 1-25% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with Type C along edges and on half of one side. Type D near accretions.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Both ends appear to be broken, or one end could have originally been made to have three tines and the other end could have originally had two. It appears the two-tined side had one tine broken off. Incisions and/or striations appear to run transversely across the pendant's body on both sides with one or two deeper incisions nearest end with three tines. Thick accretions make surface difficult to discern. Edges are slightly smoothed with wear.

Manufacturing Stage/Process:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Possibly present
Decoration Description (if present): Possibly present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Attachment not present or indistinguishable
Pendant Shape: Serpentine
Attachment/Larger End Shape: Broken
End Opposite of Attachment Shape: Broken
General Comments: Incisions and/or striations appear to run transversely across the pendant's body on both sides with one or two deeper incisions nearest end with three tines.



Artifact: B70-16

Recorder: JMP **Date:** 5/19/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 18.32mm
Head: N/A
Body: N/A

Width:
Full: 15.34mm
Head: 7.54mm
Body: 6.34mm

Thickness:
Head: 1.01mm
Body: 1.55mm

Weight: 1.2g

Patina:
Type A: Present on 51-75% of object
Type B: Not present
Type C: Present on 51-75% of object
Type D: Not present
Type E: Present on 1-25% of object
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with areas of Types A and C.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: One edge possibly broken or was manufactured to look irregular. Surface is irregular and appears to be unfinished. Some edges of pendant have vertical striations/incisions, probably from manufacture. Cracks in surface and layered appearance appear to be from fold over hammered manufacturing.

Manufacturing Stage/Process:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Not present
Decoration Description (if present): Not present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Attachment not present or indistinguishable
Pendant Shape: Serpentine
Attachment/Larger End Shape: Broken
End Opposite of Attachment Shape: Pointed
General Comments:

Artifact: B70-17

Recorder: JMP **Date:** 5/19/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 12.54mm
Head: N/A
Body: N/A

Width:
Full: 11.17mm
Head: 6.55mm
Body: 7.84mm

Thickness:
Head: 0.44mm
Body: 0.34mm

Weight: 0.2g

Patina:
Type A: Present on 51-75% of object
Type B: Present on 26-50% of object
Type C: Not present
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with areas of Types A and B.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: One end appears to have been broken after being bent. A few portions of the broken edge are folded over. Edges are worn with some nicks. Crack on lower edge of one side probably from fold over hammered manufacture. A couple of diagonal striations/incisions appear on one side near broken edge.

Manufacturing Stage/Process:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Not present
Decoration Description (if present): Not present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Attachment not present or indistinguishable
Pendant Shape: Serpentine
Attachment/Larger End Shape: Broken
End Opposite of Attachment Shape: Tapered
General Comments:

Artifact: B70-18

Recorder: JMP **Date:** 5/19/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 9.76mm
Head: N/A
Body: N/A

Width:
Full: 7.86mm
Head: 5.98mm
Body: 5.54mm

Thickness:
Head: 0.65mm
Body: 0.49mm

Weight: 0.2g

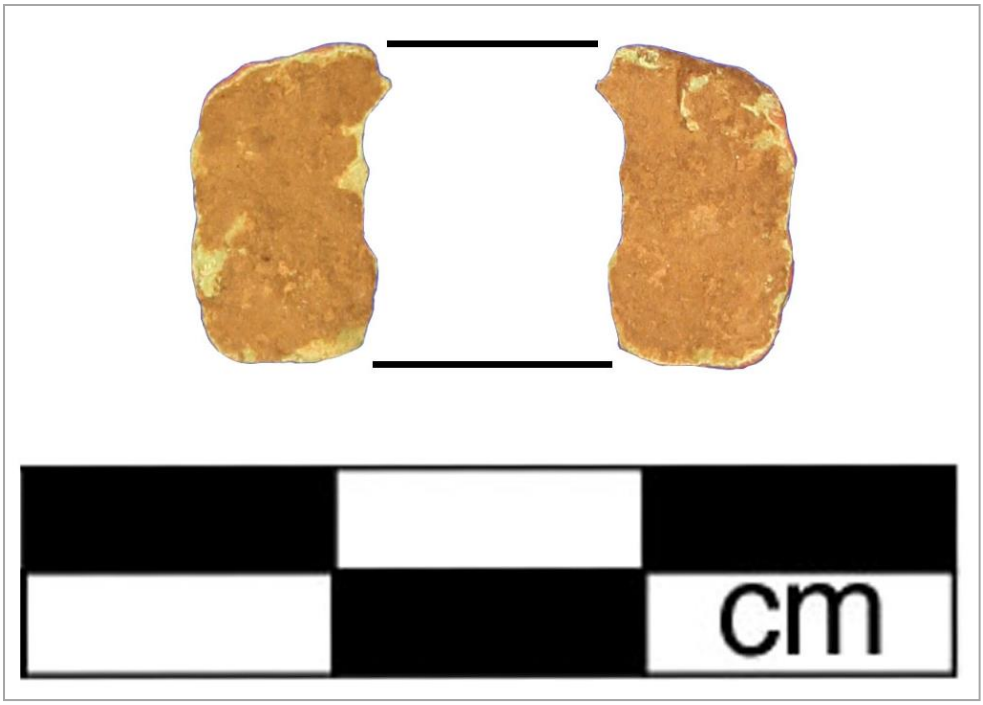
Patina:
Type A: Present on 1-25% of object
Type B: Not present
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with Type A along edges.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: One end appears to have been broken after being bent. Edges are worn with small nicks and surface is irregular. A couple of small cracks extending perpendicularly from broken edge.

Manufacturing Stage/Process:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Not present
Decoration Description (if present): Not present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Attachment not present or indistinguishable
Pendant Shape: Serpentine
Attachment/Larger End Shape: Broken
End Opposite of Attachment Shape: Squared/Flat
General Comments:



Artifact: B70-19

Recorder: JMP **Date:** 5/19/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 12.31mm
Head: N/A
Body: N/A

Width:
Full: 7.08mm
Head: 5.59mm
Body: 5.46mm

Thickness:
Head: 0.41mm
Body: 0.39mm

Weight: 0.1g

Patina:
Type A: Present on 51-75% of object
Type B: Not present
Type C: Not present
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout with areas of Type D.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Pointed end is bent and opposite end appears to have been broken or was manufactured to look irregular. Edges are worn with some nicks. Surface is irregular and has some cracks, probably from fold over hammered manufacturing.

Manufacturing Stage/Process:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Not present
Decoration Description (if present): Not present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Attachment not present or indistinguishable
Pendant Shape: Serpentine
Attachment/Larger End Shape: Broken
End Opposite of Attachment Shape: Pointed
General Comments:

Artifact: B70-20

Recorder: JMP **Date:** 5/19/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 14.57mm
Head: 3.34mm
Body: 10.27mm

Width:
Full: 14.85mm
Head: 5.06mm
Body: 5.39mm

Thickness:
Head: 0.48mm
Body: 0.39mm

Weight: 0.2g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges appear to be slightly worn and have a couple of small nicks. Notches on thicker end appear to have been made by cutting out small sections on each side. There appears to be cross-hatched incised decorations, at least on one side, but patina and corrosion make the surface difficult to discern.

Manufacturing Stage/Process:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Possibly present
Decoration Description (if present): Possibly present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Other
Pendant Shape: Talon-shaped
Attachment/Larger End Shape: Rounded
End Opposite of Attachment Shape: Tapered
General Comments: Notch on each side may indicate that this was sewn on or had a cord/rope wrapped around it.

Artifact: B70-21

Recorder: JMP **Date:** 5/19/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 8.18mm
Head: N/A
Body: N/A

Width:
Full: 33.6mm
Head: N/A
Body: N/A

Thickness:
Head: 0.61mm
Body: 0.35mm

Weight: 0.4g

Patina:
Type A: Not present
Type B: Not present
Type C: Not present
Type D: Present on 51-75% of object
Type E: Present on 76-100% of object
Accretions: Present on 51-75% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type E throughout with some Type D and accretions.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Slight bend along edges may indicate that this piece was cut from a larger blank. On side where punch is concave, there is a impressed line following concave end that is about a millimeter wide. On opposite side on same edge, there is slight discoloration and polish. Possibly resharpened?

Manufacturing Stage/Process:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and punched
Decorations Present: Not present
Decoration Description (if present): Not present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Punched
Pendant Shape: Other
Attachment/Larger End Shape: Rounded
End Opposite of Attachment Shape: Rounded
General Comments: "Boomerang" shape with rounded top, flared sides, and concave end. One punctate near rounded end. Possibly cut from a bronze kettle?

Artifact: B70-22

Recorder: JMP **Date:** 5/19/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 15.66mm
Head: N/A
Body: N/A

Width:
Full: 6.99mm
Head: 6.46mm
Body: 5.58mm

Thickness:
Head: 0.49mm
Body: 0.73mm

Weight: 0.3g

Patina:
Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions and Type A throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: One end appears to have been bent then broken. Very edge is slightly flared and irregularly shaped. Edges are slightly worn and flakey. Cracks on one side of pendant.

Manufacturing Stage/Process:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Not present
Decoration Description (if present): Not present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Attachment not present or indistinguishable
Pendant Shape: Serpentine
Attachment/Larger End Shape: Broken
End Opposite of Attachment Shape: Squared/Flat
General Comments:

Artifact: B70-23

Recorder: JMP **Date:** 5/19/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 32.69mm
Head: 7.41mm
Body: 25.55mm

Width:
Full: 6.77mm
Head: 4.16mm
Body: 3.9mm

Thickness:
Head: 0.99mm
Body: 0.63mm

Weight: 0.5g

Patina:
Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Type A along edges.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Pendant is slightly twisted. Cracks on both sides near center of pendant body with left side's crack being significant. Sides are slightly worn. Rolled over end is smashed and tip is slightly flared upward. Portions of edges at out flared sections are slightly bent upward.

Manufacturing Stage/Process:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Not present
Decoration Description (if present): Not present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Rolled over
Pendant Shape: Serpentine
Attachment/Larger End Shape: Squared/Flat
End Opposite of Attachment Shape: Squared/Flat
General Comments: Possible rolled over attachment.

Artifact: B70-24

Recorder: JMP **Date:** 5/19/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 45.39mm
Head: 2.82mm
Body: 42.7mm

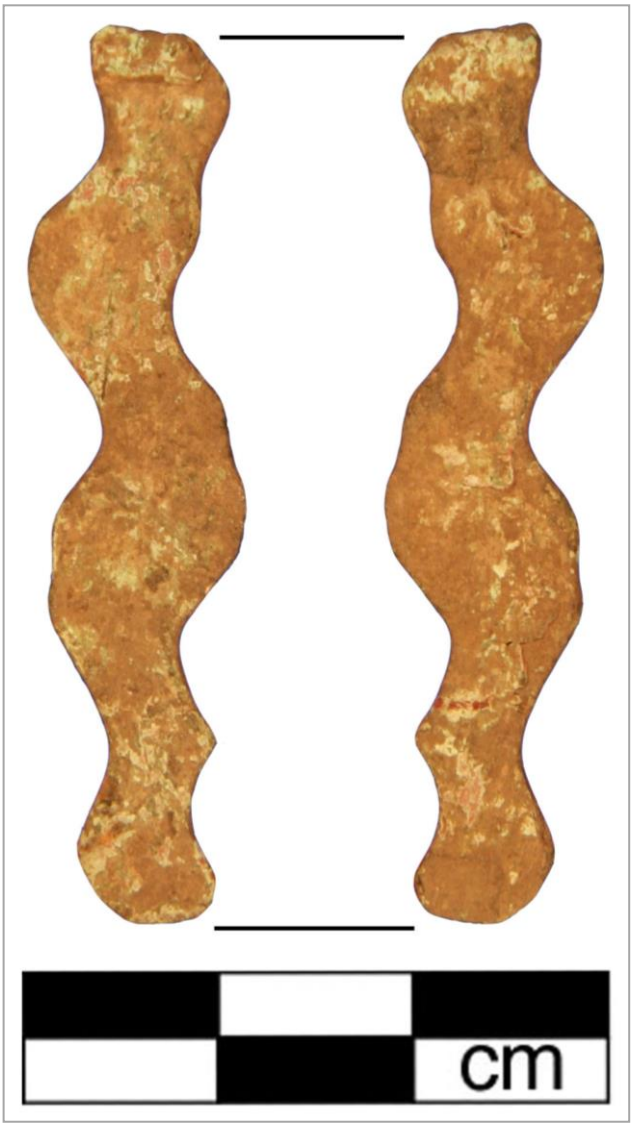
Width:
Full: 12.54mm
Head: 5.93mm
Body: 9.47mm

Thickness:
Head: 1.43mm
Body: 1.03mm

Weight: 1.8g

Patina:
Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Rolled over end is smashed and flush with body. Cross-hatched incising on side with rolled over attachment. Opposite side has incisions/striations that run longitudinally and a couple of cracks. Edges are slightly smoothed.



Manufacturing Stage/Process:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Present
Decoration Description (if present): Present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Rolled over
Pendant Shape: Serpentine
Attachment/Larger End Shape: Squared/Flat
End Opposite of Attachment Shape: Rounded
General Comments:

Artifact: B70-25

Recorder: JMP **Date:** 5/19/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 51.85mm
Head: 16.02mm
Body: 33.87mm

Width:
Full: 22.12mm
Head: 22.12mm
Body: 11.69mm

Thickness:
Head: 0.87mm
Body: 0.76mm

Weight: 2.5g

Patina:
Type A: Present on 51-75% of object
Type B: Present on 51-75% of object
Type C: Present on 1-25% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and B and accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: End opposite attachment broken. Tip of pointed attachment end either cut into a bifurcated shape or had a fifth punch that was later broken. Left corner of triangular head is broken and right corner is slightly bent. Striations/incisions running longitudinally along both sides of pendant. Edges are smooth.

Manufacturing Stage/Process:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and punched
Decorations Present: Possibly present
Decoration Description (if present): Possibly present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): Y – attached to accretions

Comments:
Attachment Type: Punched
Pendant Shape: Other
Attachment/Larger End Shape: Pointed
End Opposite of Attachment Shape: Broken
General Comments: Possibly related to B70-26? Attachment consists of four punches. Possibly heartline-shaped.

Artifact: B70-26

Recorder: JMP **Date:** 5/19/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 25.85mm
Head: N/A
Body: N/A

Width:
Full: 6.73mm
Head: 6.62mm
Body: 5.39mm

Thickness:
Head: 0.33mm
Body: 0.61mm

Weight: 0.4g

Patina:
Type A: Present on 76-100% of object
Type B: Not present
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Pendant broken. This portion has about one-third of the total pendant. Two sides are slightly bent in the same direction. Possible cross-hatched incisions/striations on both sides. Deep incision along one edge. Edges are worn and one edge has small nicks. Pendant is slightly bent, especially along edges.

Manufacturing Stage/Process:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Possibly present
Decoration Description (if present): Possibly present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Attachment not present or indistinguishable
Pendant Shape: Serpentine
Attachment/Larger End Shape: Broken
End Opposite of Attachment Shape: Tapered
General Comments: Possibly related to B70-25?

Artifact: B70-27A

Recorder: JMP **Date:** 5/19/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 16.05mm
Head: 9.47mm
Body: 6.55mm

Width:
Full: 12.5mm
Head: 6.85mm
Body: 12.5mm

Thickness:
Head: 1.12mm
Body: 0.57mm

Weight: 0.5g

Patina:
Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with some Type A.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: End opposite attachment broken. Right appendage almost completely broken off. Appears to have been bent and distorted with a crack running along bend. Head with attachment punch is also slightly bent and distorted. Edges are smoothed. Surface may have incised decorations on both sides, but thick accretions make surface difficult to observe.

Manufacturing Stage/Process:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and punched
Decorations Present:
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Punched
Pendant Shape: Mace-shaped
Attachment/Larger End Shape: Rounded
End Opposite of Attachment Shape: Broken
General Comments: Attachment portion of pendant. Related to B70-27B.

Artifact: B70-27B

Recorder: JMP **Date:** 5/19/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 18.84mm
Head: N/A
Body: N/A

Width:
Full: 12.75mm
Head: N/A
Body: 9.78mm

Thickness:
Head: 0.62mm
Body: 0.92mm

Weight: 0.6g

Patina:
Type A: Present on 1-25% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with some Types A, D, and C.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: One appears to have been significantly bent and broken. End is slightly bent and edge is irregular. One point of end opposite break is slightly bent. Possible trailed line near broken edge running transversely that may also have some polish. Edges are slightly worn. Possible cross-hatched incisions/striations on both sides, but surface is difficult to discern with all the accretions. Deep incision/cut stemming perpendicularly from one side near broken edge.

Manufacturing Stage/Process:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Possibly present
Decoration Description (if present): Possibly present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Attachment not present or indistinguishable
Pendant Shape: Mace-shaped
Attachment/Larger End Shape: Broken
End Opposite of Attachment Shape: Rounded
General Comments: Portion of pendant opposite attachment. Related to B70-27A.

Artifact: B70-28

Recorder: JMP **Date:** 5/19/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 53.25mm
Head: 17.51mm
Body: 35.51mm

Width:
Full: 20.27mm
Head: 5.71mm
Body: 8.61mm

Thickness:
Head: 0.87mm
Body: 0.66mm

Weight: 2.2g

Patina:
Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 51-75% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with some Types A and D.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Present
Description of Use-Wear Amount/Location: Lower edge has some cracking and flaking but remains intact. Edges are slightly worn. It appears that surface of both sides have been incised longitudinally and possibly transversely as well to create a cross-hatched decoration. Accretions are thick and make specific surface alterations difficult to discern.

Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present

Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Manufacturing Stage/Process:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and punched
Decorations Present: Possibly present
Decoration Description (if present): Possibly present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): Y – attached to accretions

Comments:
Attachment Type: Punched
Pendant Shape: Mace-shaped
Attachment/Larger End Shape: Squared/Flat
End Opposite of Attachment Shape: Rounded
General Comments:

Artifact: B70-29

Recorder: JMP **Date:** 5/19/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
- Full: 54.07mm
- Head: 8.73mm
- Body: 45.52mm

Width:
- Full: 16.66mm
- Head: 4mm
- Body: 12.59mm

Thickness:
- Head: 0.48mm
- Body: 0.45mm

Weight: 1.3g

Patina:
- **Type A:** Present on 76-100% of object
- **Type B:** Present on 51-75% of object
- **Type C:** Not present
- **Type D:** Present on 26-50% of object
- **Type E:** Not present
- **Accretions:** Present on 76-100% of object
- **Pitting:** Present on 51-75% of object
- **Total Surface Area with Patina/Corrosion:** Present on 76-100% of object
- **Location of Patina/Corrosion:** Type A throughout with accretions.

Manufacturing Marks and/or Use-Wear:
- **Stress Damage:**
  - **Mushrooming/Splaying:** Not present
  - **Cracking:** Present
  - **Bending:** Not present
- **Striations:** Present
- **Incisions:** Present
- **Smoothing:**
  - **Pre-Use:** Present
  - **Use:** Present
  - **Incidental:** Not present
- **Loss:**
  - **Broken Piece:** Not present
  - **Nicks:** Present
- **Retooling:**
  - **Resharpened:** Not present
  - **Repaired:** Not present
- **Recent:**
  - **Cleaned:** Not present
  - **Reuse:** Not present
  - **Curation:** Not present
- **Description of Use-Wear Amount/Location:** Edges are worn with small nicks throughout. Larger nick on right side where head meets appendage. On side with convex side of punch there are numerous cracks from layers made from fold over hammered manufacturing. Appears that there are striations/incisions that run longitudinally along pendant body on side with convex side of punch. Possible polish on both sides.

Manufacturing Stage/Process:
- **Level of Manufacture:** Finely manufactured artifact
- **Possible Manufacturing Method:** Folded over and cold hammered
- **Possible Shaping Method:** Cut from blank and punched
- **Decorations Present:** Possibly present
- **Decoration Description (if present):** Possibly present
- **Cross-Section Shape:** Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
- **Attachment Type:** Punched
- **Pendant Shape:** Mace-shaped
- **Attachment/Larger End Shape:** Squared/Flat
- **End Opposite of Attachment Shape:** Rounded
- **General Comments:**

Artifact: B70-30

Recorder: JMP **Date:** 5/19/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 44.44mm
Head: N/A
Body: N/A

Width:
Full: 30.06mm
Head: 30.06mm
Body: 23.85mm

Thickness:
Head: 0.46mm
Body: 0.86mm

Weight: 4.9g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 51-75% of object
Type C: Present on 1-25% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A throughout with accretions.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges are slightly rounded from use with some small nicks and upper half of one side has polish. Both sides have some polish. Both sides are incised with cross-hatched design. Upper edge has numerous incisions running perpendicular of edge.

Manufacturing Stage/Process:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and punched
Decorations Present: Present
Decoration Description (if present): Present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Punched
Pendant Shape: Shield-shaped
Attachment/Larger End Shape: Squared/Flat
End Opposite of Attachment Shape: Pointed
General Comments:

Artifact: B70-31

Recorder: JMP **Date:** 5/19/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 30.93mm
Head: N/A
Body: N/A

Width:
Full: 22.25mm
Head: 22.25mm
Body: 16.23mm

Thickness:
Head: 0.72mm
Body: 1.32mm

Weight: 4g

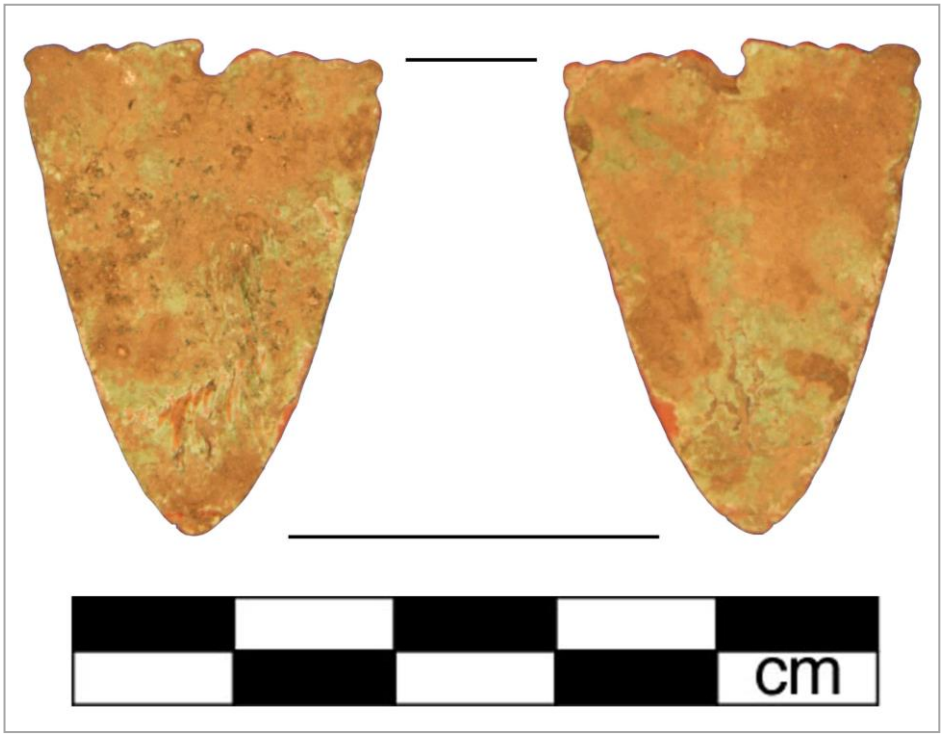
Patina:
Type A: Present on 76-100% of object
Type B: Present on 26-50% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A throughout with accretions.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Punch is broken on top edge. Looks like pendant was scraped twice on the lower half of one size by a sizeable tool that had an irregular edge. Edges are slightly worn and flaked and top edge has some polish. Crack and small nick near pointed end. Surface might have been incised with cross-hatched design on both sides, but accretions and patina make it difficult to observe.

Manufacturing Stage/Process:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and punched
Decorations Present: Possibly present
Decoration Description (if present): Possibly present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Punched
Pendant Shape: Shield-shaped
Attachment/Larger End Shape: Other
End Opposite of Attachment Shape: Pointed
General Comments: Attachment end has numerous humps cut into the end with two notches of the same size on each side next to this edge.



Artifact: B70-32

Recorder: JMP **Date:** 5/19/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 32.12mm
Head: 5.88mm
Body: 25.56mm

Width:
Full: 13.05mm
Head: 7.69mm
Body: 7.18mm

Thickness:
Head: 0.92mm
Body: 1.31mm

Weight: 1.4g

Patina:
Type A: Not present
Type B: Not present
Type C: Present on 76-100% of object
Type D: Present on 76-100% of object
Type E: Present on 76-100% of object
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Patina that is a mix of Type C and Type E throughout along with Type D. Thick accretions appear throughout as well.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Attachment end is rounded, but has notch that is either damage or this end was cut into a bifurcated shape or it was another punch that had been broken. Edges are worn with some nicks and somewhat flakey. One side has polish along edge. Surface is flakey with some cracks and has very thick accretions.

Manufacturing Stage/Process:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and punched
Decorations Present: Not present
Decoration Description (if present): Not present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Punched
Pendant Shape: Serpentine
Attachment/Larger End Shape: Rounded
End Opposite of Attachment Shape: Tapered
General Comments: Attachment end is rounded, but has notch that is either damage or this end was cut into a bifurcated shape or it was another punch that had been broken. Made from a material other than copper, like brass, or has a high concentration of iron?

Artifact: B70-33

Recorder: JMP **Date:** 5/19/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 37.44mm
Head: 7.89mm
Body: 29.32mm

Width:
Full: 15.03mm
Head: 13.07mm
Body: 10.73mm

Thickness:
Head: 1.44mm
Body: 1.06mm

Weight: 2.4g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 26-50% of object
Type C: Not present
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A throughout with accretions.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Attachment end's edge is very worn and has numerous nicks. Interior of side's curves are thicker than the "humped" portion of the edge. Deep incision on right side of head running longitudinally. Some polish on both sides. Side with convex side of punch has deep incisions running transversely along pendant's body. Opposite side may have some striations/incisions, but accretions make surface difficult to observe.

Manufacturing Stage/Process:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and punched
Decorations Present: Present
Decoration Description (if present): Present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Punched
Pendant Shape: Serpentine
Attachment/Larger End Shape: Rounded
End Opposite of Attachment Shape: Rounded
General Comments: Serpentines bumps mirror each other.

Artifact: B70-34

Recorder: JMP **Date:** 5/19/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 33.5mm
Head: N/A
Body: N/A

Width:
Full: 11.04mm
Head: 9.77mm
Body: 8.55mm

Thickness:
Head: 0.31mm
Body: 0.65mm

Weight: 0.6g

Patina:
Type A: Present on 76-100% of object
Type B: Not present
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with some accretions and Type D.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Present
Description of Use-Wear Amount/Location: Larger end is broken and opposite end may also have been broken. Two significant creases running transversely across the smaller section of the two bends closest to the smallest end; pendant bent in these areas and bent back in prehistory or by Mr. Bussey? Small crack in uppermost corner. Deeply incised decorations on one side of pendant that are in a cross-hatch style.

Manufacturing Stage/Process:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Present
Decoration Description (if present): Present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Attachment not present or indistinguishable
Pendant Shape: Serpentine
Attachment/Larger End Shape: Broken
End Opposite of Attachment Shape: Squared/Flat
General Comments: Serpentines bumps mostly mirror each other.

Artifact: B70-35

Recorder: JMP **Date:** 5/19/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 19.13mm
Head: 7.17mm
Body: 12.11mm

Width:
Full: 15.08mm
Head: 1.49mm
Body: 5.86mm

Thickness:
Head: 0.87mm
Body: 0.58mm

Weight: 0.5g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A throughout with accretions.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Cross-hatched incised decorations on both sides throughout. Edges are slightly worn with some small nicks and some have light polish.

Manufacturing Stage/Process:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and punched
Decorations Present: Present
Decoration Description (if present): Present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Punched
Pendant Shape: Serpentine
Attachment/Larger End Shape: Squared/Flat
End Opposite of Attachment Shape: Broken
General Comments: End opposite attachment possibly broken or was manufactured with its current shape.

Artifact: B70-36

Recorder: JMP **Date:** 5/19/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 18.24mm
Head: N/A
Body: N/A

Width:
Full: 18.1mm
Head: 7.07mm
Body: 6.2mm

Thickness:
Head: 0.47mm
Body: 0.43mm

Weight: 0.4g

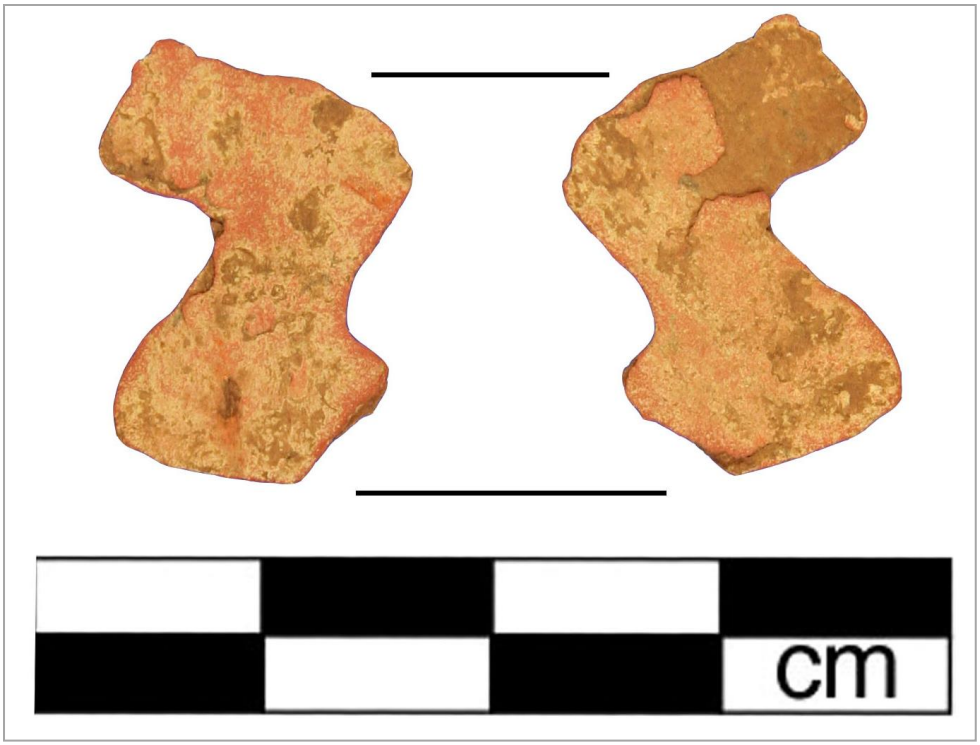
Patina:
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C and accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Both ends are broken. Wider edge has splayed layers. Edges have small nicks. Some areas may have missing layers of copper.

Manufacturing Stage/Process:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Not present
Decoration Description (if present): Not present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Attachment not present or indistinguishable
Pendant Shape: Serpentine
Attachment/Larger End Shape: Broken
End Opposite of Attachment Shape: Broken
General Comments: Head width/thickness = widest end.



Artifact: B70-37

Recorder: JMP **Date:** 5/19/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 12.93mm
Head: N/A
Body: N/A

Width:
Full: 11.09mm
Head: 10.62mm
Body: 6.93mm

Thickness:
Head: 0.59mm
Body: 0.58mm

Weight: 0.3g

Patina:
Type A: Present on 51-75% of object
Type B: Not present
Type C: Not present
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: One end is broken. Tip of smallest end bent upward and is almost flush against body. Edges are worn and have small nicks. One side has incisions/striations running diagonally across it. Opposite side may have the same treatment, but accretions make surface difficult to discern.

Manufacturing Stage/Process:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Possibly present
Decoration Description (if present): Possibly present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Attachment not present or indistinguishable
Pendant Shape: Serpentine
Attachment/Larger End Shape: Broken
General Comments:
End Opposite of Attachment Shape: Broken

Artifact: B70-38

Recorder: JMP **Date:** 5/19/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 13.49mm
Head: N/A
Body: N/A

Width:
Full: 12.97mm
Head: 12.97mm
Body: N/A

Thickness:
Head: 0.86mm
Body: N/A

Weight: 0.4g

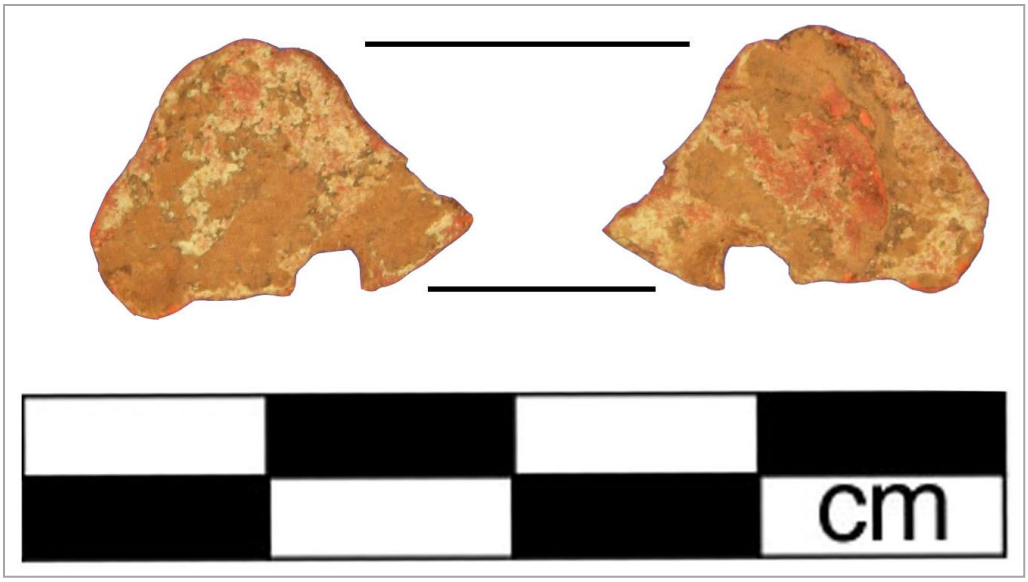
Patina:
Type A: Present on 51-75% of object
Type B: Present on 26-50% of object
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C and accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Present
Description of Use-Wear Amount/Location: Pendant broken across attachment punch. Crease indicates that piece may have been bent once and bent back in place at some point in time. Edges are worn with small nicks and cracks.

Manufacturing Stage/Process:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and punched
Decorations Present: Not present
Decoration Description (if present): Not present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Punched
Pendant Shape: Indeterminate shape
Attachment/Larger End Shape: Rounded
End Opposite of Attachment Shape: Broken
General Comments:



Artifact: B70-39

Recorder: JMP **Date:** 5/19/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 21.17mm
Head: 6.34mm
Body: 13.95mm

Width:
Full: 19.55mm
Head: 11.86mm
Body: 12.71mm

Thickness:
Head: 0.39mm
Body: 0.63mm

Weight: 0.7g

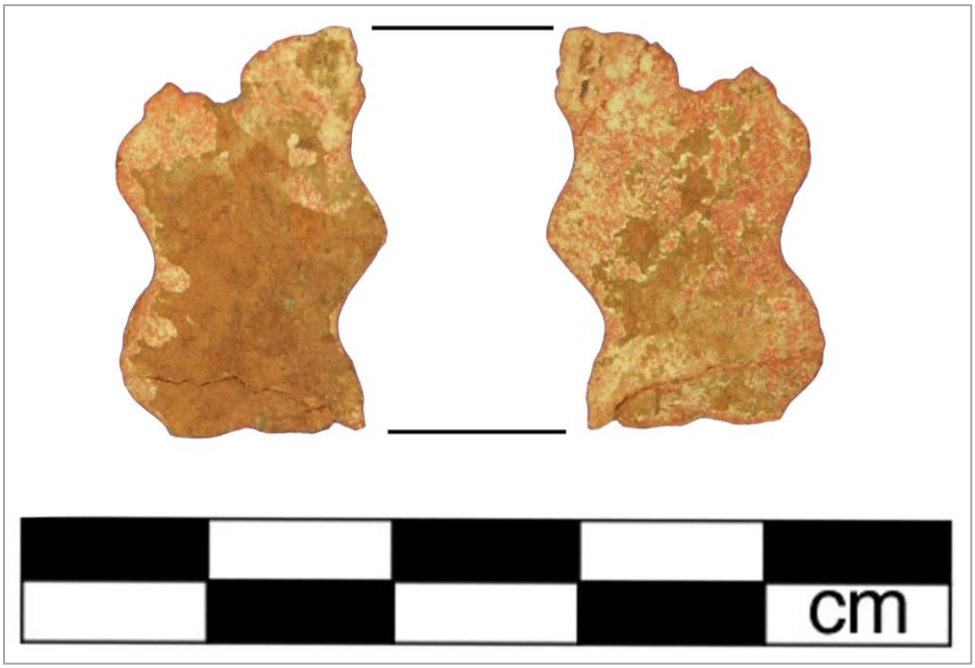
Patina:
Type A: Present on 76-100% of object
Type B: Present on 26-50% of object
Type C: Present on 51-75% of object
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C and accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Both ends are broken. Edge opposite punch has numerous cracks and is slightly bent. Edges are slightly worn and have some small nicks. Possible striations/incisions on surface.

Manufacturing Stage/Process:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and punched
Decorations Present: Possibly present
Decoration Description (if present): Possibly present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Punched
Pendant Shape: Serpentine
Attachment/Larger End Shape: Broken
End Opposite of Attachment Shape: Broken
General Comments: Possibly related to B70-40, but doesn't seem to fit close enough to associate the two pieces.



Artifact: B70-40

Recorder: JMP **Date:** 5/19/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 24.05mm
Head: N/A
Body: N/A

Width:
Full: 17.95mm
Head: 11.2mm
Body: 8.07mm

Thickness:
Head: 0.42mm
Body: 0.42mm

Weight: 0.4g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Beginnings of punch near one end. Appears that tool used to punch holes was a tight crescent shape. Edge closest to punch may have been broken, but appears to have been make in a slightly irregular square shape or could have been a broken pendant that was in the middle of being repaired. Significant nick with exfoliated layers and cracks sprawling out from it on lower edge. Polish on both edges. Both edges have cross-hatched incisions on most of body with transverse incisions on lower third of pendant near tapered edge.

Manufacturing Stage/Process:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and punched
Decorations Present: Present
Decoration Description (if present): Present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Punched
Pendant Shape: Serpentine
Attachment/Larger End Shape: Broken
End Opposite of Attachment Shape: Tapered
General Comments: Possibly related to B70-40, but doesn't seem to fit close enough to associate the two pieces.

Artifact: B70-41

Recorder: JMP **Date:** 5/19/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 26.78mm
Head: 8.92mm
Body: 17.18mm

Width:
Full: 9.82mm
Head: 8.63mm
Body: 7.16mm

Thickness:
Head: 0.74mm
Body: 0.47mm

Weight: 0.4g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 51-75% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C and accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: One side of end with punch is broken through punch. Significant crease with slight bend right below pendant head. Edges are worn with very small nicks. Cross-hatched incisions at least on one side and possibly on the other, though corrosion makes surface difficult to discern. Possible large nick near pointed edge or side was just irregularly shaped.

Manufacturing Stage/Process:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and punched
Decorations Present: Present
Decoration Description (if present): Present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Punched
Pendant Shape: Serpentine
Attachment/Larger End Shape: Broken
End Opposite of Attachment Shape: Tapered
General Comments:

Artifact: B70-42

Recorder: JMP **Date:** 5/19/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 34.32mm
Head: N/A
Body: N/A

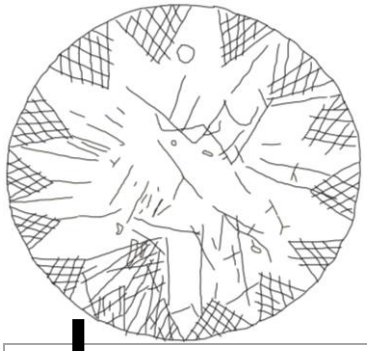
Width:
Full: 34.28mm
Head: N/A
Body: N/A

Thickness:
Head: 0.72mm
Body: 0.93mm

Weight: 4.9g

Patina:
Type A: Present on 26-50% of object
Type B: Present on 26-50% of object
Type C: Present on 26-50% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with areas of Type A.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present



Description of Use-Wear Amount/Location: Pendant seems to have been smoothed after manufacture. Both sides have significant incised decorations. Each side has a border of cross-hatched triangles and at least one side has additional incised decorations in center of circle. Slight wear and small nicks along edges. Two small divots on end opposite punch.

Manufacturing Stage/Process:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and punched
Decorations Present: Present
Decoration Description (if present): Present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Punched
Pendant Shape: Circular
Attachment/Larger End Shape: Rounded
End Opposite of Attachment Shape: Rounded
General Comments: Significant designs.

Artifact: B70-43

Recorder: JMP **Date:** 5/19/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 41.94mm
Head: N/A
Body: N/A

Width:
Full: 41.65mm
Head: N/A
Body: N/A

Thickness:
Head: N/A
Body: 1.16mm

Weight: 6.1g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with areas of Type A.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Not present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: One section of edge has large nick with one portion slightly splayed and small cracks stemming from this damage. Edges slightly worn. Surface has intricate incised decorations at least on one side and possibly on the other, though their specific shape is difficult to discern because of the thick accretions.

Manufacturing Stage/Process:

Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and punched
Decorations Present: Present
Decoration Description (if present): Present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

Attachment Type: Punched
Pendant Shape: Circular
Attachment/Larger End Shape: Rounded
End Opposite of Attachment Shape: Rounded
General Comments:

Artifact: B70-44

Recorder: JMP **Date:** 5/19/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 25.96mm
Head: N/A
Body: N/A

Width:
Full: 14.83mm
Head: 8.56mm
Body: 10.46mm

Thickness:
Head: 0.37mm
Body: 0.48mm

Weight: 0.6g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C and accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: One end is broken and other end, which is tapered, has large crack stemming from edge and running perpendicularly to edge and the two sides of this crack are slightly splayed from one another. Edges are slightly worn with small nicks. Bend near center of body has crack that follows it. Turn of bend closer to top edge also has a crack running across it. Surface appears to have had incisions running longitudinally.

Manufacturing Stage/Process:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Possibly present
Decoration Description (if present): Possibly present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Attachment not present or indistinguishable
Pendant Shape: Serpentine
Attachment/Larger End Shape: Broken
End Opposite of Attachment Shape: Squared/Flat
General Comments:

Artifact: B70-45

Recorder: JMP **Date:** 5/19/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 44.49mm
Head: 16.05mm
Body: 28.58mm

Width:
Full: 16.92mm
Head: 13.63mm
Body: 9.58mm

Thickness:
Head: 1.16mm
Body: 1.6mm

Weight: 3.88g

Patina:
Type A: Present on 1-25% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 51-75% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions and pitting throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Present
Description of Use-Wear Amount/Location: Thick accretions throughout make it difficult to discern surface. Crease extending across center of punch could be from spot where pendant was previously bent and then bent back either prehistorically or by Mr. Bussey. Similar crease mark in one of upper corners. One portion of lower side has slight polish.

Manufacturing Stage/Process:
Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and punched
Decorations Present: Possibly present
Decoration Description (if present): Possibly present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Punched
Pendant Shape: Serpentine
Attachment/Larger End Shape: Other
End Opposite of Attachment Shape: Tapered
General Comments: Attachment end has concave shape with two rounded protrusions on each corner.

Artifact: B70-46

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 45.06mm
Head: N/A
Body: N/A

Width:
Full: 18mm
Head: 6.61mm
Body: 14.45mm

Thickness:
Head: 0.51mm
Body: 0.36mm

Weight: 0.9g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Present
Description of Use-Wear Amount/Location: End opposite punch has numerous large nicks that have removed a portion of this edge. Cracks appear transversely across the piece and may indicate the pendant may have been bent at one point in time and was repaired in prehistory or by Mr. Bussey. Edges are slightly worn with a couple of small nicks. Both sides may have a slight polish. Both sides appear to have some incisions/striations, though the extent to this possible decoration is difficult to determine due to surface corrosion.

Manufacturing Stage/Process:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and punched
Decorations Present: Possibly present
Decoration Description (if present): Possibly present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Punched
Pendant Shape: Other
Attachment/Larger End Shape: Squared/Flat
End Opposite of Attachment Shape: Rounded
General Comments: Similar to sword shape with its rounded end with pointed sides, but does not have the top appendages close to the punch like other pendants of this type.

Artifact: B70-47

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 46.5mm
Head: N/A
Body: N/A

Width:
Full: 17.26mm
Head: 4.69mm
Body: 15.75mm

Thickness:
Head: 0.66mm
Body: 0.62mm

Weight: 2.5g

Patina:
Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with Type A mostly along corners

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: One side of end with punch is broken through punch. Very thick accretions throughout. Edges slightly worn with worn nicks. Crack through accretions on one side of pendant. Surface looks like it may be incised with decorations, but is difficult to determine with thick accretions.

Manufacturing Stage/Process:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and punched
Decorations Present: Possibly present
Decoration Description (if present): Possibly present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Punched
Pendant Shape: Teardrop-shaped
Attachment/Larger End Shape: Tapered
End Opposite of Attachment Shape: Rounded
General Comments: End opposite punch may have originally looked similar to sword shape with its rounded end with pointed sides.

Artifact: B70-48

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 20.18mm
Head: N/A
Body: N/A

Width:
Full: 12.01mm
Head: 5.39mm
Body: 5.38mm

Thickness:
Head: 0.88mm
Body: 0.5mm

Weight: 0.3g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: End nearest head broken and end opposite head is bent at a sharp angle. Surface is very layered and cracked from less refined fold over hammered manufacturing. A couple of layers on bent end are splayed away from rest of body, especially near sharp bend. Edges are rough from either use or manufacturing.

Manufacturing Stage/Process:
Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Not present
Decoration Description (if present): Not present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Attachment not present or indistinguishable
Pendant Shape: Serpentine
Attachment/Larger End Shape: Squared/Flat
End Opposite of Attachment Shape: Broken
General Comments:

Artifact: B70-49

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 15.18mm
Head: N/A
Body: N/A

Width:
Full: 9.89mm
Head: 5.37mm
Body: 8.55mm

Thickness:
Head: 0.69mm
Body: 0.7mm

Weight: 0.4g

Patina:
Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with areas of Types A, C, and D.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: End nearest head broken and appears to have been sharply bent before being broken. Edges are slightly worn with small nicks along edges. Slight polish on one side. On same side, there are striations/incisions running perpendicularly to lower edge that are possibly decorations or wear?

Manufacturing Stage/Process:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Possibly present
Decoration Description (if present): Possibly present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Attachment not present or indistinguishable
Pendant Shape: Indeterminate shape
Attachment/Larger End Shape: Squared/Flat
End Opposite of Attachment Shape: Tapered
General Comments:

Artifact: B70-50

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 20.77mm
Head: N/A
Body: N/A

Width:
Full: 11.34mm
Head: 9.44mm
Body: 9.07mm

Thickness:
Head: 0.49mm
Body: 0.46mm

Weight: 0.4g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Both ends have been broken. Edges are worn with slight nicks throughout. Some edges have cracks and layers. Crack crosses body of pendant fragment near its center. One side has cross-hatched incisions. Opposite side at least has incisions running longitudinally along body and may have a similar cross-hatched design, though it is difficult to discern with surface corrosion.

Manufacturing Stage/Process:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Present
Decoration Description (if present): Present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Attachment not present or indistinguishable
Pendant Shape: Serpentine
Attachment/Larger End Shape: Broken
End Opposite of Attachment Shape: Broken
General Comments: Since both ends are broken, widest end is assumed to have been closer to attachment.

Artifact: B70-51

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 28.37mm
Head: 8.43mm
Body: 21.14mm

Width:
Full: 14.98mm
Head: 11.78mm
Body: 9.58mm

Thickness:
Head: 0.4mm
Body: 0.5mm

Weight: 0.8g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout with some Type C.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Present
Description of Use-Wear Amount/Location: End with punch is broken across center of punch and opposite end is also broken. Two creases/cracks transverse the pendant right below the head and near the center, could indicate that the pendant was bent at one point and repaired in prehistory or by Mr. Bussey. Edges are worn with some small nicks throughout. Possible incised decorations at least on one side running diagonally across body. Surface corrosion makes it difficult to observe the surface alterations.

Manufacturing Stage/Process:
Level of Manufacture: Finely manufactured artifact **Cross-Section Shape:** Flat
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and punched
Decorations Present: Possibly present
Decoration Description (if present): Possibly present

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Punched
Pendant Shape: Serpentine
Attachment/Larger End Shape: Broken
End Opposite of Attachment Shape: Broken
General Comments:

Artifact: B70-52

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 19.68mm
Head: N/A
Body: N/A

Width:
Full: 11.26mm
Head: 8.34mm
Body: 5.21mm

Thickness:
Head: 0.53mm
Body: 0.72mm

Weight: 0.4g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with Type A.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Both ends are broken. Pendant fragment is somewhat twisted and bent, especially on one side edge. Edges are worn with small nicks or were made with less refined techniques. Slight polish on one side near upper edge in same area where there are incisions/striations running longitudinally along pendant body. Opposite side appears to have striations/incisions running transversely across entire body.

Manufacturing Stage/Process:
Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Possibly present
Decoration Description (if present): Possibly present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Attachment not present or indistinguishable
Pendant Shape: Serpentine
Attachment/Larger End Shape: Broken
End Opposite of Attachment Shape: Broken
General Comments: Wider end treated as end closer to head.

Artifact: B70-53

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 18.19mm
Head: N/A
Body: N/A

Width:
Full: 13.83mm
Head: 9.81mm
Body: 11.44mm

Thickness:
Head: 0.34mm
Body: 0.58mm

Weight: 0.4g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 26-50% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with Type A.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Both ends broken. Edges slightly worn with small nicks. One side appears to have striations/incisions running diagonally across surface and opposite side appears to have incisions/striations running longitudinally. Crack on one side of pendant fragment appears to be from fold over manufacturing.

Manufacturing Stage/Process:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Possibly present
Decoration Description (if present): Possibly present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Attachment not present or indistinguishable
Pendant Shape: Serpentine
Attachment/Larger End Shape: Broken
End Opposite of Attachment Shape: Broken
General Comments: Probably related to B70-54, though the widths of the ends where pieces would align are off by about 2mm so they were not associated as two halves of the same piece at this time.

Artifact: B70-54

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 16.54mm
Head: N/A
Body: N/A

Width:
Full: 12.64mm
Head: 10.3mm
Body: 8.59mm

Thickness:
Head: 0.59mm
Body: 0.53mm

Weight: 0.4g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with Type A.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: One end broken with one corner slightly bent. Edges slightly worn with small nicks. Surface difficult to observe because of corrosion, but there appears to be some striations/incisions on both sides.

Manufacturing Stage/Process:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Possibly present
Decoration Description (if present): Possibly present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Attachment not present or indistinguishable
Pendant Shape: Serpentine
Attachment/Larger End Shape: Broken
End Opposite of Attachment Shape: Tapered
General Comments: Probably related to B70-53, though the widths of the ends where pieces would align are off by about 2mm so they were not associated as two halves of the same piece at this time.

Artifact: B70-55

Recorder: JMP **Date:** 5/20/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Pendant

Length:
Full: 20.2mm
Head: N/A
Body: N/A

Width:
Full: 15.35mm
Head: 4.7mm
Body: 12.23mm

Thickness:
Head: 0.42mm
Body: 0.43mm

Weight: 0.5g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C with accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: End with punch is broken across center of punch and opposite end is also broken. Edges are worn with small nicks. Side of pendant fragment with convex side of punch has incisions/striations running longitudinally with possible additional incisions/striations running diagonally on lower half. Opposite side has some polish and also possibly has incisions/striations.

Manufacturing Stage/Process:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and punched
Decorations Present: Present
Decoration Description (if present): Present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Punched
Pendant Shape: Serpentine
Attachment/Larger End Shape: Broken
End Opposite of Attachment Shape: Broken
General Comments:

Artifact: C68-1 (JE244/47)

Recorder: JMP **Date:** 5/3/2016

Reported Provenience: Crescent Bay Hunt Club, 1968 Field Season **Morphofunctional Designation:** Pendant

Length:
Full: 23.15mm
Head: 7.85mm
Body: 15.49mm

Width:
Full: 9.88mm
Head: 9.68mm
Body: 7.29mm

Thickness:
Head: 1.34mm
Body: 0.94mm

Weight: 0.5g

Patina:
Type A: Present on 76-100% of object
Type B: Not present
Type C: Not present
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Not present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: One end is broken off and has large nick. This edge is slightly curved at the very edge, possibly indicating that end was bent before it broke. Significant crack running along lower half of pendant along lower edge and then along longitudinal edge. Portion separated by this crack is slightly splayed from rest of body, possibly from fold over hammered manufacturing. Top edge and center of right edge (when punch is concave) have wear and many nicks. Incised cross-hatching on both sides of pendant.

Manufacturing Stage/Process:
Level of Manufacture: Manufactured artifact probably significantly distorted after manufacture
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and punched
Decorations Present: Present
Decoration Description (if present): Present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Punched
Pendant Shape: Serpentine
Attachment/Larger End Shape: Rounded
End Opposite of Attachment Shape: Broken
General Comments: Listed as JE-244, but is from Crescent Bay Hunt club.

Artifact: C68-2 (JE244/9)

Recorder: JMP **Date:** 5/3/2016

Reported Provenience: Crescent Bay Hunt Club, 1968 Field Season **Morphofunctional Designation:** Other

Length: 22.37mm **Width:** 14.71mm **Thickness:** 0.86mm

Weight: 1.2g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Straight edge has ripples running perpendicularly to it or this wear might be wide incisions on both sides. Possible striations on both sides, but accretions and pitting make this difficult to discern. Two corners are bent in the same direction. Edge opposite straight edge has a large crack running perpendicular to the edge. Some wear on each of the longer edges with some nicks. Straight edge possibly broken edge? Cracks over side with label, possibly from fold over hammered manufacturing.

Manufacturing Stage/Process:

Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Not present
Decoration Description (if present): Not present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
Possible Intended Final Form: Pendant
General Comments: Listed as JE-244, but is from Crescent Bay Hunt club. Possibly a fragment of a serpentine pendant. Noted in the following fragment category since this fits the piece the closest.

Artifact: K12-1

Recorder: JMP **Date:** 5/3/2016

Reported Provenience: Koshkonong Creek Village, 2012 Field Season, Unit 12-01,02,03,04, Level 02, FF 12-01, Level 01, Zone P

Morphofunctional Designation: Pendant

Length:
Full: 65.4mm
Head: 4.81mm
Body: 61.73mm

Width:
Full: 14.54mm
Head: 5.14mm
Body: 5.58mm

Thickness:
Head: 1.88mm
Body: 0.85mm

Weight: 2g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges are smoothed with some small flaking/nicks, probably from manufacture and wear. Attachment is bent flat into body and there is a small crack running halfway up the rolled over attachment section. Side opposite attachment is very flat, which indicates that this object was probably manufactured by hammering it on a smooth surface. Incision near edge by pendant head may be a mistake from manufacture.

Manufacturing Stage/Process:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Not present
Decoration Description (if present): Not present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Rolled over
Pendant Shape: Serpentine
Attachment/Larger End Shape: Squared/Flat
End Opposite of Attachment Shape: Tapered
General Comments:

Artifact: S-2

Recorder: JMP **Date:** 7/3/2016

Reported Provenience: Schmeling, Schmeling Collection **Morphofunctional Designation:** Pendant

Length:
Full: 34.35mm
Head: 12.75mm
Body: 34.35mm

Width:
Full: 15.88mm
Head: 13.5mm
Body: 11.87mm

Thickness:
Head: 1.64mm
Body: 0.83mm

Weight: 2.2g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 26-50% of object
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A throughout with Type C along edges and some Type B.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Four significant bends traversing pendant's body, with some cracks having formed along these bends. At one bend, it looks like a tool may have been scraped across the section to create a wide, shallow indentation running across pendant body - possible indicator that this piece was intentionally damaged. Edges appear to be worn and have some possible areas of worn nicks, especially along very top edge of head and end opposite of head. Possible striations running longitudinally along body on side where bends are convex and some possibly running transversely across body on side where bends are concave.

Manufacturing Stage/Process:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and punched
Decorations Present: Possibly present
Decoration Description (if present): Possibly present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Punched
Pendant Shape: Serpentine
Attachment/Larger End Shape: Rounded
End Opposite of Attachment Shape: Rounded
General Comments: Length is length of bent piece, not original length of pendant.

Artifact: S-3

Recorder: JMP **Date:** 7/3/2016

Reported Provenience: Schmeling, Schmeling Collection **Morphofunctional Designation:** Pendant

Length:
Full: 24.37mm
Head: 5.06mm
Body: 19.72mm

Width:
Full: 16.86mm
Head: 15.05mm
Body: 12.48mm

Thickness:
Head: 0.73mm
Body: 0.71mm

Weight: 1.1g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C throughout with some of Types A and D.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Present
Description of Use-Wear Amount/Location: Punch was broken on side nearest top edge. It appears that end opposite attachment was either broken or made to look irregular. Crease running transversely across body near center of pendant, possibly a bend that was bent back in prehistoric repair or by Schmeling? Cracks across pendant's body appears to be from fold over hammered manufacturing. Edges are worn and slightly discolored.

Manufacturing Stage/Process:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and punched
Decorations Present: Not present
Decoration Description (if present): Not present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Punched
Pendant Shape: Serpentine
Attachment/Larger End Shape: Rounded
End Opposite of Attachment Shape: Broken
General Comments: Could be a broken serpentine pendant or could have originally been designed to have an irregular end.

Artifact: S-9

Recorder: JMP **Date:** 7/3/2016

Reported Provenience: Schmeling, Schmeling Collection **Morphofunctional Designation:** Other

Length: 23.59mm **Width:** 12.16mm **Thickness:** 1.23mm

Weight: 1.3g

Patina:

Type A: Present on 1-25% of object
Type B: Not present
Type C: Present on 76-100% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C throughout with some areas of Types A and D.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: One corner has a sharp bend and is made of multiple layers that have been separated. One longer edge is very smooth and seems that it was shaped into a serpentine form. Running perpendicular to the edge with flared corner on the opposite face is a deeper impression possibly from a finer hammer or larger incising tool. On the longer side with the bent up corner near the corner opposite of this flared portion is a deeper incision. Cracks and slight separation appear throughout the body of the piece, which is a signature of fold over hammered manufacturing.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present): Not present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Square
Possible Intended Final Form: Pendant
General Comments: Possibly a fragment of a decorative piece that was semi-serpentine? Noted in the fragment section that follows since it fits this category the closest.

Artifact: S-20

Recorder: JMP **Date:** 7/3/2016

Reported Provenience: Schmeling, Schmeling Collection **Morphofunctional Designation:** Pendant

Length:
Full: 18.76mm
Head: N/A
Body: N/A

Width:
Full: 18.46mm
Head: N/A
Body: N/A

Thickness:
Head: N/A
Body: 2.62mm

Weight: 1g

Patina:
Type A: Present on 1-25% of object
Type B: Present on 51-75% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type D throughout. Type B with accretions and pitting covering side with splayed out side of punch. Type D along areas of recesses.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: A couple of small incisions concentrated on one side of concave portion of punch. Edges were either cut irregularly or have been worn/nicked with use. Body of pendant smoothed prior to punch.

Manufacturing Stage/Process:
Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and punched
Decorations Present: Not present
Decoration Description (if present): Not present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Punched
Pendant Shape: Circular
Attachment/Larger End Shape: Rounded
General Comments:
End Opposite of Attachment Shape: Rounded

Artifact: S-21

Recorder: JMP **Date:** 7/3/2016

Reported Provenience: Schmeling, Schmeling Collection **Morphofunctional Designation:** Pendant

Length:
Full: 25.77mm
Head: N/A
Body: N/A

Width:
Full: 21.07mm
Head: 1.52mm
Body: 14.4mm

Thickness:
Head: 0.6mm
Body: 1.1mm

Weight: 1.3g

Patina:
Type A: Present on 1-25% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Present on 1-25% of object
Type E: Present on 1-25% of object
Accretions: Present on 1-25% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Some Type E throughout. Types A, B, and D on side with splayed out side of punch.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Incisions along base and one side of pendant on side where the punch is concave. Edges are slightly flared upward away from side with splayed out portion of punch. On side with splayed out punch, the upper portion (away from the triangle's base) has a deep, grooved incision that could have possibly been made by being scraped with a stone tool? One corner either was broken off or cut differently than other during manufacture.

Manufacturing Stage/Process:
Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Possibly cut from copper or brass kettle
Possible Shaping Method: Cut from blank and punched
Decorations Present: Not present
Decoration Description (if present): Not present
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:
Attachment Type: Punched
Pendant Shape: Triangular
Attachment/Larger End Shape: Squared/Flat
End Opposite of Attachment Shape: Pointed
General Comments: Cut from a kettle? Possibly brass?

APPENDIX F:
COPPER FRAGMENTS OF THE CRABAPPLE POINT, CRESCENT BAY HUNT CLUB, SCHMELING, AND KOSHKONONG CREEK VILLAGE SITES

Artifact: B72-273

Recorder: JMP **Date:** 5/25/2016

Reported Provenience: Crabapple Point, Crabapple Point, Bussey Collection

Morphofunctional Designation: Fragment

Length: 13.32mm **Width:** 3.94mm **Thickness:** 3.87mm

Weight: 1.2g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 51-75% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and B with accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Very smooth and neatly made. One end is smoothed flat, but center of end is smoothed or impressed inward slightly. The opposite end is diagonal and looks like it was cut with by something that required some force, such as a sharp stone tool, metal knife, or scissors. Striations running transversely across entire piece.

Manufacturing Stage/Process:

Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Ground

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Circular

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Oval
Possible Intended Final Form: Other
General Comments: Copper rod cut with a scissors? Very smooth and neatly made. Possibly a prepped item for trade? Noted in the fragment section.

Artifact: BSB-3

Recorder: JMP **Date:** 6/13/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 20.29mm **Width:** 11.44mm **Thickness:** 0.86mm

Weight: 0.7g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 26-50% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with thin accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Present
Loss:
Broken Piece: Present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Smallest end broken off and has irregular edge. Half of the fragment's body closest to this broken edge is bent with three creases/cracks. On both sides, incisions run longitudinally along longest portion of fragment. With some incisions running along widest edge. Incisions on convex side are slightly deeper. One long edge is slightly thinned with thinning starting about 1.5 mm from edge. Edges are lightly worn with some nicks.

Manufacturing Stage/Process:

Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Possibly present
Decoration Description (if present): On both sides, incisions run longitudinally along longest portion of fragment. With some incisions running along widest edge. Incisions on convex side are slightly deeper.
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Polygonal
Possible Intended Final Form: Indeterminate
General Comments: Possible pendant fragment or blank for bead?

Artifact: BSB-6

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 26.77mm **Width:** 19.99mm **Thickness:** 0.98mm

Weight: 1.3g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with areas of Type A around edges and recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Present
Loss:
Broken Piece: Present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Incision following center of edge on longest side. Possible diagonal striations also on this side, though this may be post depositional damage. Edges are nicked, possibly also made post deposition. Small piece broke off of fragment in original storage container.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Indistinguishable or N/A
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Oval
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-7

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 9.31mm **Width:** 9.29mm **Thickness:** 0.54mm

Weight: 0.3g

Patina:

Type A: Present on 1-25% of object
Type B: Present on 26-50% of object
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C throughout with some Type A. Thicker accretions on concave side.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Object is severely bent. Thick polish on both sides. Cross-hatched incisions on convex side and possible cross-hatched incisions on concave side. One flatter edge has numerous, obvious striations running perpendicularly to this edge.

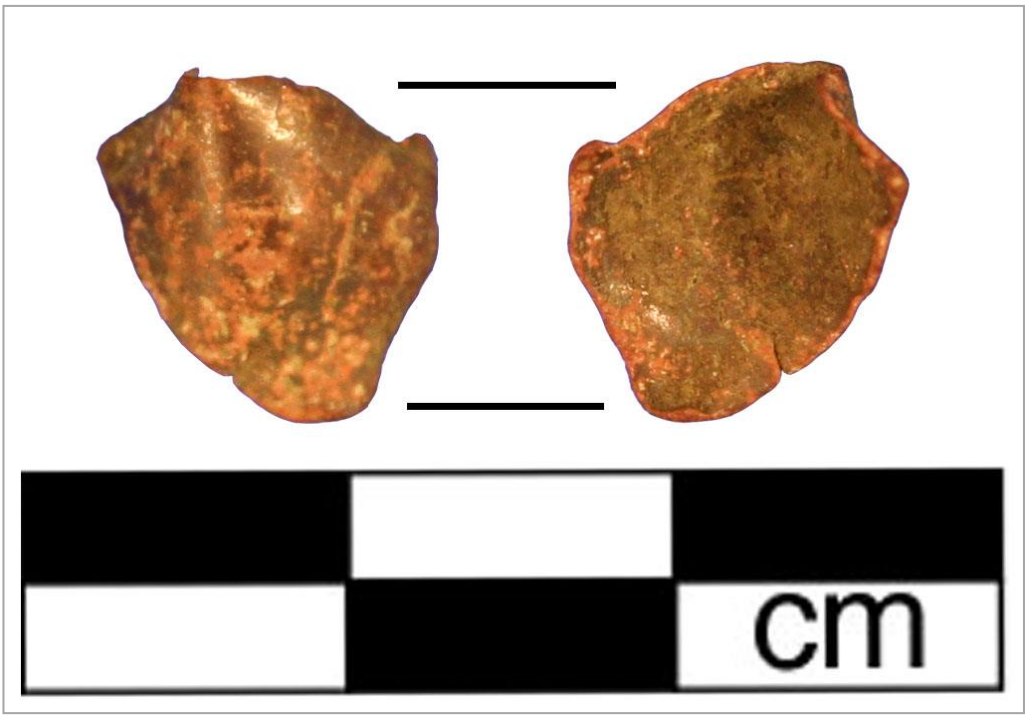
Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Indistinguishable or N/A
Decorations Present: Present
Decoration Description (if present): Cross-hatched incisions on convex side and possible cross-hatched incisions on concave side.
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Square
Possible Intended Final Form: Indeterminate
General Comments: Cross-hatched incisions on convex side and possible cross-hatched incisions on concave side. One flatter edge has numerous, obvious striations running perpendicularly to this edge.



Artifact: BSB-8

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 28.56mm **Width:** 17.01mm **Thickness:** 0.98mm

Weight: 1.6g

Patina:

Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with areas of Type A around edges and recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Three bends across body of piece. A few incisions running down longest edge of one side. Possible striations running longitudinally on side opposite incisions. Nicks along widest end.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Triangular
Possible Intended Final Form: Pendant
General Comments: Incisions appear to be byproducts from scoring edge.

Artifact: BSB-9

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 15.04mm **Width:** 8.66mm **Thickness:** 0.37mm

Weight: 0.1g

Patina:

Type A: Present on 51-75% of object
Type B: Not present
Type C: Not present
Type D: Present on 1-25% of object
Type E: Present on 1-25% of object
Accretions: Present on 51-75% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A throughout with areas of Type D. A portion of one side has some Type E.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Raised line of copper along one edge, possibly embossed with incisions on opposite side. Polish in center of both sides, especially on side that is more concave. Edges are irregular with some cracks stemming from them perpendicularly. One side of a crack on a longer edge is slightly splayed outward. Surface has some irregular striations, probably not from use.

Manufacturing Stage/Process:

Level of Manufacture: Some modification **Cross-Section Shape:** Flat

Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Triangular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-10

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 13.69mm **Width:** 9.24mm **Thickness:** 0.62mm

Weight: 0.6g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Present on 51-75% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and D throughout with some accretions and pitting.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Object bent either during manufacture, through use, or after deposition. One long edge is slightly splayed, probably from pressure of cutting utensil used to cut this object out of a blank or kettle. One edge at bend has notch where edge sharply shifts where edge was imprecisely cut during blank preparation. Polish all along edges. Tip of more rounded side is slightly splayed.

Manufacturing Stage/Process:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Possibly cut from copper or brass kettle
Possible Shaping Method: Cut from blank
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Triangular

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Triangular
Possible Intended Final Form: Other
General Comments: Uniformity of surface suggests that this piece may have been cut from a kettle. Possibly a clip?

Artifact: BSB-11

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 17.46mm **Width:** 11.83mm **Thickness:** 0.6mm

Weight: 0.5g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Present on 51-75% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with some accretions and pitting.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Striations or incisions running diagonally on both sides. Polish along all edges. Piece has three cleanly cut edges and one irregular edge that is slightly splayed in one portion. Piece is slightly bent at center where there is also a small crack.

Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Square
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-12

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 16.25mm **Width:** 11.2mm **Thickness:** 2.09mm

Weight: 1.6g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 51-75% of object
Type E: Present on 1-25% of object
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions and some pitting.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: One portion of one edge where edge is flat is slightly splayed upward as if piece was pressed up against a flat surface or mold. Edge opposite is also flattened.

Manufacturing Stage/Process:

Level of Manufacture: Prepared blank **Cross-Section Shape:** Flat

Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Square
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-13

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 13.05mm **Width:** 11.93mm **Thickness:** 0.35mm

Weight: 0.2g

Patina:

Type A: Present on 1-25% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Present on 51-75% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with areas of Type A around edges.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Striations running across one side of fragment. Opposite side has polish throughout with three incisions, two in one direction near edge and one in perpendicular direction near adjacent edge. One corner is bent backwards against and pressed against the fragment body. Some cracks stemming from fragment edges.

Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Square
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-14

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 15.75mm **Width:** 18.84mm **Thickness:** 1.51mm

Weight: 1.9g

Patina:

Type A: Present on 26-50% of object
Type B: Not present
Type C: Present on 1-25% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with some Type A, C, and D.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Flat edge is slightly bent along edge. Section of rounded edge is splayed upward. Possible polish on side with more accretions.

Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
General Comments:
Possible Intended Final Form: Indeterminate

Artifact: BSB-15

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 21.65mm **Width:** 19.47mm **Thickness:** 0.83mm

Weight: 0.9g

Patina:

Type A: Present on 51-75% of object
Type B: Not present
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions and some pitting.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Possible striations running across fragment on both sides. Edges are irregular with some nicks and cracks. One small section of a corner is splayed upward. Another corner has some cracks running across it.

Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Square
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-16

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 37.45mm **Width:** 31.95mm **Thickness:** 7.32mm

Weight: 19.5g

Patina:

Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Present on 1-25% of object
Accretions: Present on 26-50% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C throughout with some Type A.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Native copper that is somewhat flattened. No other use or manufacturing wear.

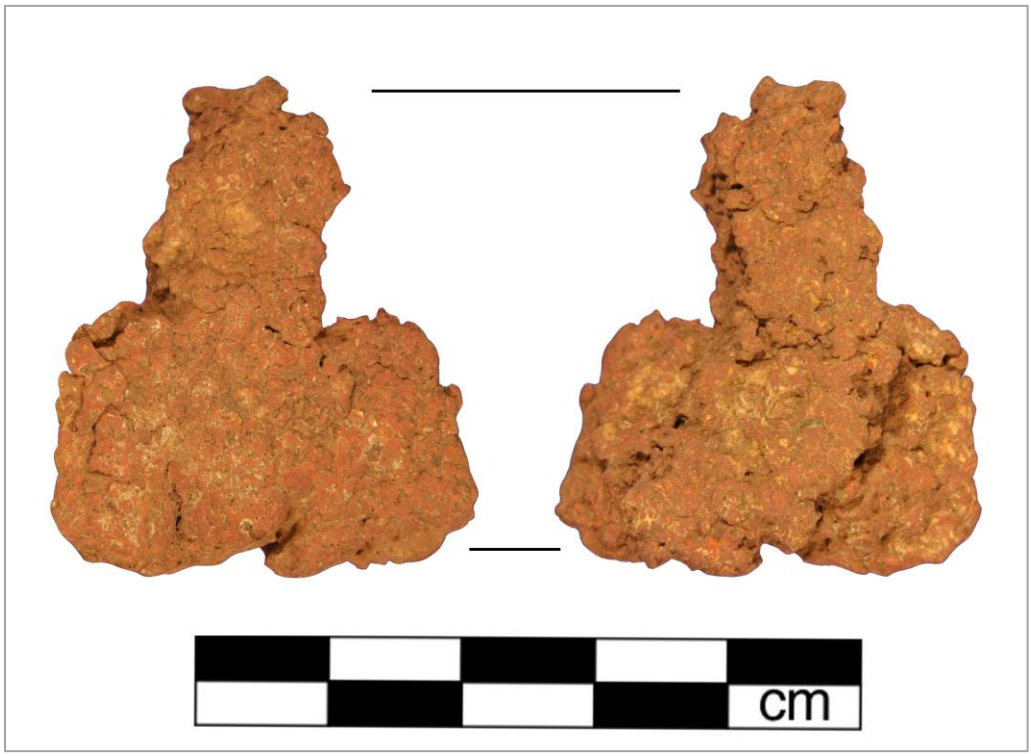
Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
Possible Intended Final Form: Indeterminate
General Comments: Native copper somewhat flattened.



Artifact: BSB-17

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 27.63mm **Width:** 7.45mm **Thickness:** 0.82mm

Weight: 0.9g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 26-50% of object
Type C: Present on 1-25% of object
Type D: Present on 26-50% of object
Type E: Present on 1-25% of object
Accretions: Not present
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C on most of object. Accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Present
Loss:
Broken Piece: Not present
Description of Use-Wear Amount/Location: Fragment somewhat bent and distorted. Some slight polish along a small portion of one edge.
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Oval
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-18

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 37.07mm **Width:** 35.48mm **Thickness:** 2.56mm

Weight: 11.3g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Present on 1-25% of object
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A throughout with areas of Type C. Accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Cracks on surface from layered fold-over-hammered manufacturing. Parts of layers are slightly splayed from main body.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
General Comments:
Possible Intended Final Form: Indeterminate

Artifact: BSB-19

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 55.44mm **Width:** 11.47mm **Thickness:** 4.78mm

Weight: 6.8g

Patina:

Type A: Present on 1-25% of object
Type B: Not present
Type C: Not present
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with some areas of Type A.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Possible striations running transversely across piece. Object is bent and splayed slightly.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Triangular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-20

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 26.75mm **Width:** 16.05mm **Thickness:** 5.74mm

Weight: 6.1g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C and accretions throughout with some Type A.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: One end flattened, but twisted and distorted. Two edges are smoothed and flattened.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-21

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 42.35mm **Width:** 8.69mm **Thickness:** 1.05mm

Weight: 2g

Patina:

Type A: Present on 51-75% of object
Type B: Not present
Type C: Present on 1-25% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout with some Type D.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Piece is slightly bent and twisted in areas, especially near ends. Some layers are slightly splayed from body. A couple of cracks on edges of fragment. Possible fragment in center of more concave side.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Square
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-22

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 31.9mm **Width:** 14.4mm **Thickness:** 0.81mm

Weight: 1.1g

Patina:

Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 51-75% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with some Type D. Some Type A in recessed areas and some Type C on one side.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: One side of fragment is bent twice. Cracks on some of this bent section. Half of one side has some possible polish. Edges have some small nicks.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-23

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 33.21mm **Width:** 8.34mm **Thickness:** 3.17mm

Weight: 2.8g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Present on 26-50% of object
Type E: Present on 1-25% of object
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout with some Type C and D.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Description of Use-Wear Amount/Location: Parts of fragment are distorted. Striations across flatter side of piece.

Recent:
Cleaned: Not present

Reuse: Not present
Curation: Not present

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-24

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 32.29mm **Width:** 20.94mm **Thickness:** 4.9mm

Weight: 10.2g

Patina:

Type A: Present on 51-75% of object
Type B: Not present
Type C: Present on 1-25% of object
Type D: Present on 76-100% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions and Type D throughout with Type A in recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Two edges and part of a third have sharp corners and may have been formed by pressing against a flat surface or mold. Two deep incisions and a gouge on one side. Opposite side is very flat.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-25

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 39.45mm **Width:** 7.94mm **Thickness:** 3.77mm

Weight: 3.4g

Patina:

Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Not present
Type E: Present on 1-25% of object
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Types A and C.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: One end is splayed to one side and opposite end has two ridges on one side running perpendicularly to edge with some possible polish.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-26

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 34.34mm **Width:** 26.92mm **Thickness:** 1.26mm

Weight: Otherg

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Types A and C.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Possible striations running across fragment on both sides. One portion of one edge is bent and rounded, less wide end is slightly bent.

Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-27

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 21.39mm **Width:** 11.54mm **Thickness:** 0.56mm

Weight: 0.6g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with some Type A.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Striations running longitudinally across both sides. Half of one edge is sharply bent upwards. Two portions of a smaller adjacent side has a crack down the center and each side is splayed/bent. Bend at center

Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Square
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-28

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 59.01mm **Width:** 39.64mm **Thickness:** 7.16mm

Weight: 50.4g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 76-100% of object
Type E: Present on 1-25% of object
Accretions: Not present
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Types A, C, and D.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Native copper that is somewhat flattened. Some possible striations on wider end of one side. This side also has some small areas of possible polish. Portions of two adjacent edges are flattened and may have been formed by pressing against a flat surface or mold. Some layers are splayed from the rest of the fragment and distorted.

Manufacturing Stage/Process:

Level of Manufacture: Some modification **Cross-Section Shape:** Flat

Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-29

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 32.17mm **Width:** 25.96mm **Thickness:** 1.75mm

Weight: 5.2g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions and Types A and C throughout with some Type D.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Two large incisions diagonally on one side of the piece with another more shallow incision following these two. Layers smoothed against each side.

Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Triangular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-30

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 36.8mm **Width:** 24.04mm **Thickness:** 2.9mm

Weight: 6.2g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions and Types A and C throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Some striations longitudinally on one side. One side is very flat with layers smoothed against body of fragment.

Manufacturing Stage/Process:

Level of Manufacture: Some modification **Cross-Section Shape:** Flat

Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-31

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 45.1mm **Width:** 11.09mm **Thickness:** 1.08mm

Weight: 2g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions and Type A throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Present
Description of Use-Wear Amount/Location: Piece is bent, splayed, and overall distorted. At center, the copper is exposed and appears to be a portion that was bent at one time and bent back leaving a crease. One side has some polish. One half of one side has deep incisions stemming from edges. Crack at center of piece near crease.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Square
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-32

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 92.05mm **Width:** 5.87mm **Thickness:** 1.08mm

Weight: 4.2g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Present on 1-25% of object
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions and Types A and C throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Description of Use-Wear Amount/Location: Piece is distorted with bends. At center, the copper is exposed and appears to be a portion that was bent at one time and bent back leaving a crease. Near one end a crack transverses the piece and the remaining portion is splayed from the rest of the fragment. Edges appear to have some polish.

Recent:
Cleaned: Not present

Reuse: Not present
Curation: Not present

Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Square
Possible Intended Final Form: Other
General Comments: Long, slender piece. Possibly part of a pendant or bracelet?

Artifact: BSB-33

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 25.75mm **Width:** 15.7mm **Thickness:** 2.23mm

Weight: 2.3g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Type A along edges and recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Cracks stemming from edges, especially stemming from one edge and running perpendicularly. Piece has some possible striations running transversely across body near center on one side. Piece is bent across the object near wider end. Object could possibly be a flattened tinkler cone?

Manufacturing Stage/Process:

Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Other
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Triangular
Possible Intended Final Form: Other
General Comments: Possibly a flattened tinkler cone? May have been manufactured by cutting a piece from a blank and rolling it into a cone?

Artifact: BSB-34

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 28.27mm **Width:** 8.41mm **Thickness:** 4.33mm

Weight: 2.2g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions with Types A and C throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Description of Use-Wear Amount/Location: One end is slightly bent upwards. One side is flattened.

Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-35

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 26.76mm **Width:** 4.2mm **Thickness:** 0.59mm

Weight: 0.4g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions and Type A throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Description of Use-Wear Amount/Location: Cracks running down body from ends. Ends are slightly bent and splayed. Piece is somewhat rolled longitudinally. Possibly intended to be a fine awl or tubular bead?

Reuse: Not present

Curation: Not present

Manufacturing Stage/Process:

Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Triangular

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Oval
Possible Intended Final Form: Awl
General Comments: Possibly intended to be a small awl or a thin tubular bead?

Artifact: BSB-36

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 23.48mm **Width:** 19.21mm **Thickness:** 1.05mm

Weight: 1.8g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions with Types A and C throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Possible striations running across each side. One small corner bent upwards and another piece bent backwards and smoothed against the body of the fragment. Nicks along edges.

Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Square
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-37

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 38.71mm **Width:** 12.63mm **Thickness:** 2.26mm

Weight: 5.3g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with Type A and some Type C and D.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Possible striations running longitudinally. Object bent lengthwise near center. Ends of piece and its layers are bent and splayed. Ripples running perpendicular to one end on one side.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-38

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 24.16mm **Width:** 15.83mm **Thickness:** 0.9mm

Weight: 1.8g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A throughout with accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: One end was bent back and smoothed against the body of the fragment. Bend and crack across opposite end with tip bent backwards and smoothed against body. Edges have some nicks. Possible polish on one side.

Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Square
Possible Intended Final Form: Pendant
General Comments: Possibly intended to be a pendant with a rolled over end attachment?

Artifact: BSB-39

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 8.15mm **Width:** 1.94mm **Thickness:** 0.33mm

Weight: <0.1g

Patina:

Type A: Present on 1-25% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with some Type A along edges and Type D among accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Object bent to be slightly concave. One corner is bent upward. Crack transverses another corner. Some nicks along edges.

Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Square
Possible Intended Final Form: Bead
General Comments:

Artifact: BSB-40

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 27.95mm **Width:** 13.39mm **Thickness:** 0.83mm

Weight: 1.3g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Type A and some Type D.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: One end is slightly bent and two sections of opposite end is bent as well. Possible polish on each side.

Manufacturing Stage/Process:

Level of Manufacture: Prepared blank **Cross-Section Shape:** Flat

Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-41

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 13.75mm **Width:** 10.56mm **Thickness:** 1.12mm

Weight: 1.1g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with some areas of Types A and D.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: One end rolled upward. Nicks along edges. Possible striations running transversely across concave fragment. Significant dent in convex side.

Manufacturing Stage/Process:

Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Square
Possible Intended Final Form: Bead
General Comments:

Artifact: BSB-42

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 37.77mm **Width:** 14.68mm **Thickness:** 8.41mm

Weight: 11g

Patina:

Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 76-100% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions and Type D throughout with some Type A.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Present
Description of Use-Wear Amount/Location: Layered pieces with some layers splayed and bent. Some areas with polish.

Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-43

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 14.79mm **Width:** 11.69mm **Thickness:** 3.39mm

Weight: 2.3g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with some Type A and D.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Two adjacent sides of this triangular piece are very flat with a sharp corner and could have been formed by pressing against a flat surface or a mold. One corner has splayed and bent layers.

Manufacturing Stage/Process:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Other
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Triangular
Possible Intended Final Form: Other
General Comments: Possibly a triangular projectile point created with a mold?

Artifact: BSB-44

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 31.21mm **Width:** 16.25mm **Thickness:** 2.27mm

Weight: 4.6g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions and Type A throughout with some Type C.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Copper is humped along straight edge, possibly its natural form, an intentional feature made during manufacture, or from use by putting pressure along this edge. Rounding of edges with some small nicks. Possible polish on one portion of one side. Possible tool?

Manufacturing Stage/Process:

Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Oval
Possible Intended Final Form: Other
General Comments: Possible tool?

Artifact: BSB-45

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 17.97mm **Width:** 10.47mm **Thickness:** 0.79mm

Weight: 0.5g

Patina:

Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C and accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Flattened piece with one end rolled upward. Edges have some slight nicks. Possible striations running longitudinally on both sides. Possibly a bead being formed?

Manufacturing Stage/Process:

Level of Manufacture: Moderately refined manufactured artifact
Cross-Section Shape: Flat
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy
Decorations Present: Not present
Decoration Description (if present):

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Triangular
Possible Intended Final Form: Bead
General Comments:

Artifact: BSB-46

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 22.88mm **Width:** 13.17mm **Thickness:** 3.2mm

Weight: 2.7g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Present on 26-50% of object
Type E: Present on 1-25% of object
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A throughout with some Type C verging on Type E and accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: One end folded back upon the fragment and smoothed against the body. One edge has slight wear or nicks. Ripples running perpendicular to one edge.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Polygonal
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-47

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 11.88mm **Width:** 11.31mm **Thickness:** 0.69mm

Weight: 0.3g

Patina:

Type A: Present on 1-25% of object
Type B: Not present
Type C: Not present
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with some Type D and Type A along edges.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Possible striations running across each side. One flatter edge and one corner is slightly bent. One end is folded back on the fragment and smoothed against its body. Possible polish on both sides.

Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Polygonal
Possible Intended Final Form: Bead
General Comments:

Artifact: BSB-48

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 18.44mm **Width:** 16.84mm **Thickness:** 3.85mm

Weight: 3.8g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions and Type A throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Two ends bent backwards on the fragment and smoothed against the piece with some possible polish. One corner is distorted. Possible striations running longitudinally across each side.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Square
General Comments:
Possible Intended Final Form: Indeterminate

Artifact: BSB-49

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 20.64mm **Width:** 13.1mm **Thickness:** 0.97mm

Weight: 1g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A, C, and accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: One end rolled upward and end opposite is slightly bent upward. Possible striations running longitudinally on convex side.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Polygonal
Possible Intended Final Form: Bead
General Comments:

Artifact: BSB-50

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 19.11mm **Width:** 11.68mm **Thickness:** 0.25mm

Weight: 0.2g

Patina:

Type A: Present on 1-25% of object
Type B: Not present
Type C: Not present
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Not present
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with some Type A.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Cracks across piece at center (causing it to break in half) and across one side. Possible striations on surface. Nicks along edges. Object is bent and distorted.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
Possible Intended Final Form: Indeterminate
General Comments: Object broke into two fragments during analysis due to original storage container crushing the piece, bending it, and making it fragile.

Artifact: BSB-51

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 22.85mm **Width:** 12.66mm **Thickness:** 1.47mm

Weight: 2.6g

Patina:

Type A: Present on 1-25% of object
Type B: Not present
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Present on 1-25% of object
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Type C coloration.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Portions of object are bent, splayed, and distorted. Some areas on one side with possible polish.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-52

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 18.72mm **Width:** 15.86mm **Thickness:** 0.85mm

Weight: 0.8g

Patina:

Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Small areas along edges are bent. Edges have some cracks and nicks.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Square
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-53

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 17.06mm **Width:** 14.66mm **Thickness:** 0.81mm

Weight: 0.8g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Present on 1-25% of object
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with some Type A and C.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: One end is rolled upward and one end is split in half and one half is bent. Edges have some nicks.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
General Comments:
Possible Intended Final Form: Indeterminate

Artifact: BSB-54

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 22.1mm **Width:** 13.96mm **Thickness:** 5.46mm

Weight: 3.5g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Types A and C.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Three corners of piece bent, one significantly bent.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Oval
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-55

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 14.65mm **Width:** 7.42mm **Thickness:** 1.19mm

Weight: 0.6g

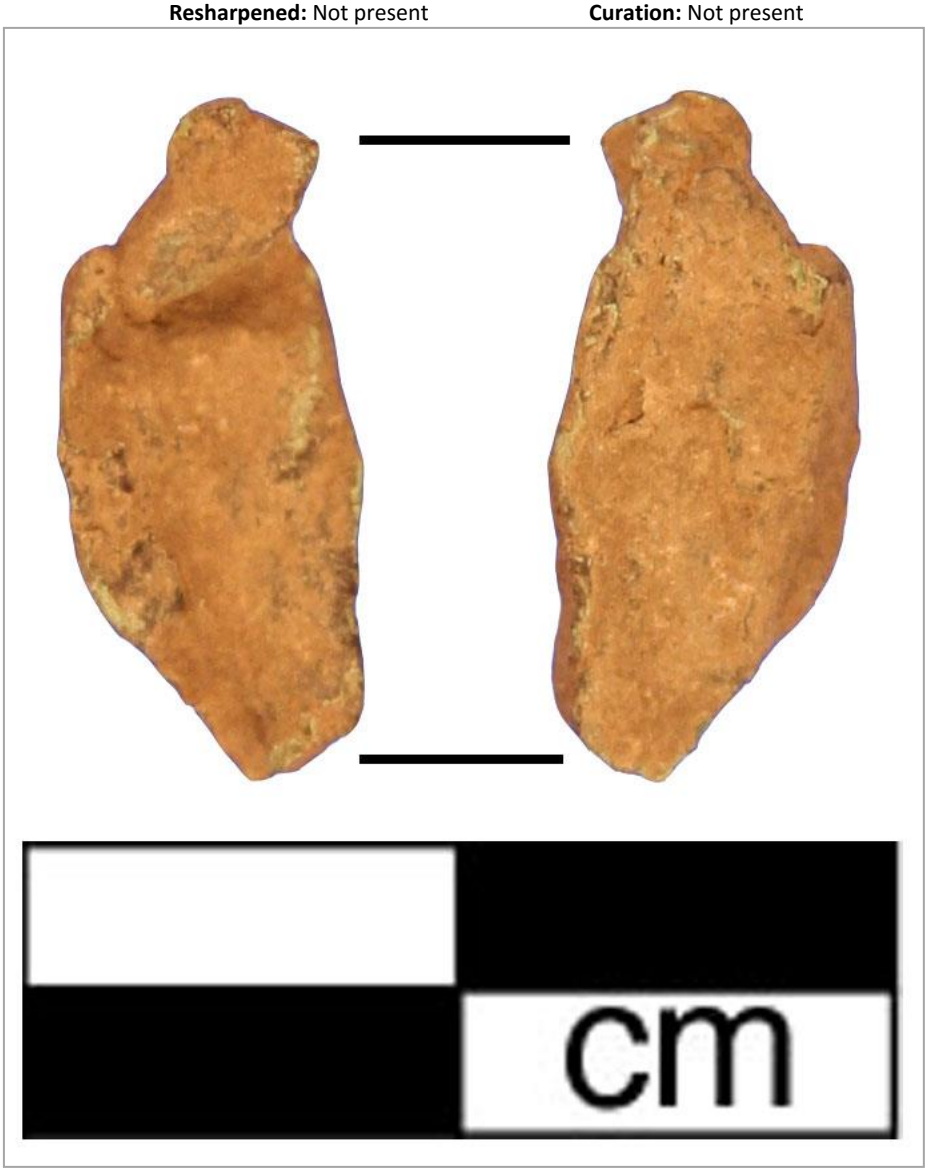
Patina:

Type A: Present on 1-25% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with a couple areas or Type A along edges or recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Description of Use-Wear Amount/Location: Ends of piece are bent with one end twisted and distorted.

Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present



Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Oval
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-56

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 20.23mm **Width:** 9.43mm **Thickness:** 5.29mm

Weight: 1.3g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Object is distorted. Some layers are splayed and ends are bent.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-57

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 16.95mm **Width:** 5.52mm **Thickness:** 1.19mm

Weight: 0.3g

Patina:

Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with some Type A along edges and recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Present
Loss:
Broken Piece: Not present
Description of Use-Wear Amount/Location: Object is distorted. Some layers are splayed and ends are bent. Possible polish in one area near center.
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-58

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 34.04mm **Width:** 17.11mm **Thickness:** 3.6mm

Weight: 3.9g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: One long edge is slightly bent. Some possible polish on raised areas on one side.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Polygonal
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-59

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 14.43mm **Width:** 11.52mm **Thickness:** 1.91mm

Weight: 0.5g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Present on 1-25% of object
Accretions: Present on 51-75% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: One end is bent upwards and also has cracks along it.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-60

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 25.89mm **Width:** 9.21mm **Thickness:** 0.61mm

Weight: 0.9g

Patina:

Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Present on 1-25% of object
Type E: Present on 1-25% of object
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Type A verging on a white color. Some Type E on interior.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Description of Use-Wear Amount/Location: Object is bent at center. Edges have some nicks.

Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:

Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Oval
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-61

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 33.33mm **Width:** 9.63mm **Thickness:** 0.83mm

Weight: 1g

Patina:

Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with some Type A.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Present

Description of Use-Wear Amount/Location: At center, the copper is exposed and appears to be a portion that was bent at one time and bent back leaving a crease. Some layers are splayed. One end is bent backwards and smoothed against body of fragment. Opposite end is bent upwards and somewhat rolled over. Some nicks along edges.

Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
Possible Intended Final Form: Pendant
General Comments:

Artifact: BSB-62

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 16.77mm **Width:** 11.39mm **Thickness:** 2.26mm

Weight: 0.6g

Patina:

Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with small areas of Types A and C.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Possible striations running longitudinally on one side. Ends are bent and some layers are splayed away from the body of the fragment. Ripples at center of fragment on one side.

Manufacturing Stage/Process:

Level of Manufacture: Some modification **Cross-Section Shape:** Flat

Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-63

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 18.19mm **Width:** 15.53mm **Thickness:** 3.29mm

Weight: 2.2g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout with some Type C.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: One portion of object bent and distorted.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Triangular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-64

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 21.72mm **Width:** 4.56mm **Thickness:** 3.18mm

Weight: 1g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Type A and some of Type C.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Description of Use-Wear Amount/Location: Object is bent at center. Possible fragment of a small awl?

Reuse: Not present

Curation: Not present

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Triangular

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Square
Possible Intended Final Form: Awl
General Comments: Possible fragment of a small awl?

Artifact: BSB-65

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 26.48mm **Width:** 6.18mm **Thickness:** 0.95mm

Weight: 0.8g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Type A mostly along edges.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: One layer is splayed from rest of fragment. One long end is bent upwards. Some possible polish near one end.

Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Oval
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-66

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 20.48mm **Width:** 13.57mm **Thickness:** 0.6mm

Weight: 0.8g

Patina:

Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with some areas of Types A and D.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Possible striations across each side. Edges have some nicks. Possible pendant fragment?

Manufacturing Stage/Process:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Polygonal
Possible Intended Final Form: Pendant
General Comments: Possible pendant fragment?

Artifact: BSB-67

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 24.86mm **Width:** 7.78mm **Thickness:** 2.52mm

Weight: 1.4g

Patina:

Type A: Present on 76-100% of object
Type B: Not present
Type C: Not present
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with some Type A along edges and recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Ends are bent and layers are splayed from body. Cracks and nicks on edges. Possible striations on surface.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Square
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-68

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 19.99mm **Width:** 7.3mm **Thickness:** 2.61mm

Weight: 0.8g

Patina:

Type A: Present on 76-100% of object
Type B: Not present
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions and pitting.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Description of Use-Wear Amount/Location: One end has a crack stemming from it at center and separating a portion that is slightly splayed. Opposite end is slightly bent.

Recent:
Cleaned: Not present

Reuse: Not present
Curation: Not present

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-69

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 23.61mm **Width:** 17.04mm **Thickness:** 5.78mm

Weight: 4.5g

Patina:

Type A: Present on 76-100% of object
Type B: Not present
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A with accretions and pitting throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Portions of end are bent and some layers are splayed from body of fragment.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Polygonal
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-70

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 27.87mm **Width:** 14.62mm **Thickness:** 5.19mm

Weight: Otherg

Patina:

Type A: Present on 1-25% of object
Type B: Not present
Type C: Not present
Type D: Present on 26-50% of object
Type E: Present on 26-50% of object
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with some Type D and E.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Flat edges of objects may have been formed by pressing edge against a flat surface or in a mold. One corner is bent upward and the diagonal side adjacent to this bent corner has striations stemming from the edge along with some possible patina.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-71

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 27.09mm **Width:** 4.95mm **Thickness:** 2.58mm

Weight: 0.6g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with areas of accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Ends are slightly bent and one end has a layer that is splayed from the body of the fragment.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Square
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-72

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 16.01mm **Width:** 8.54mm **Thickness:** 0.75mm

Weight: 0.3g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions and pitting throughout with some Type A.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Description of Use-Wear Amount/Location: One layer of one end is splayed. Edges have some nicks.

Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Polygonal
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-73

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 12.56mm **Width:** 8.26mm **Thickness:** 0.71mm

Weight: 0.2g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions and pitting throughout with some Type A.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges have some nicks. One edge has a crack stemming from it and separates a section that is slightly bent.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Polygonal
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-74

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 18.21mm **Width:** 15.54mm **Thickness:** 0.43mm

Weight: 0.4g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with some Type A.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Nicks and cracks along edges. A couple small sections along edges are bent. Striations traversing one side of piece and possibly opposite side.

Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Square
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-75

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 14.76mm **Width:** 8.88mm **Thickness:** 1.05mm

Weight: 0.4g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: One end is bent slightly upwards. Along one edge a section is sharply bent along edge and appears that it was from the pressure of a cutting utensil.

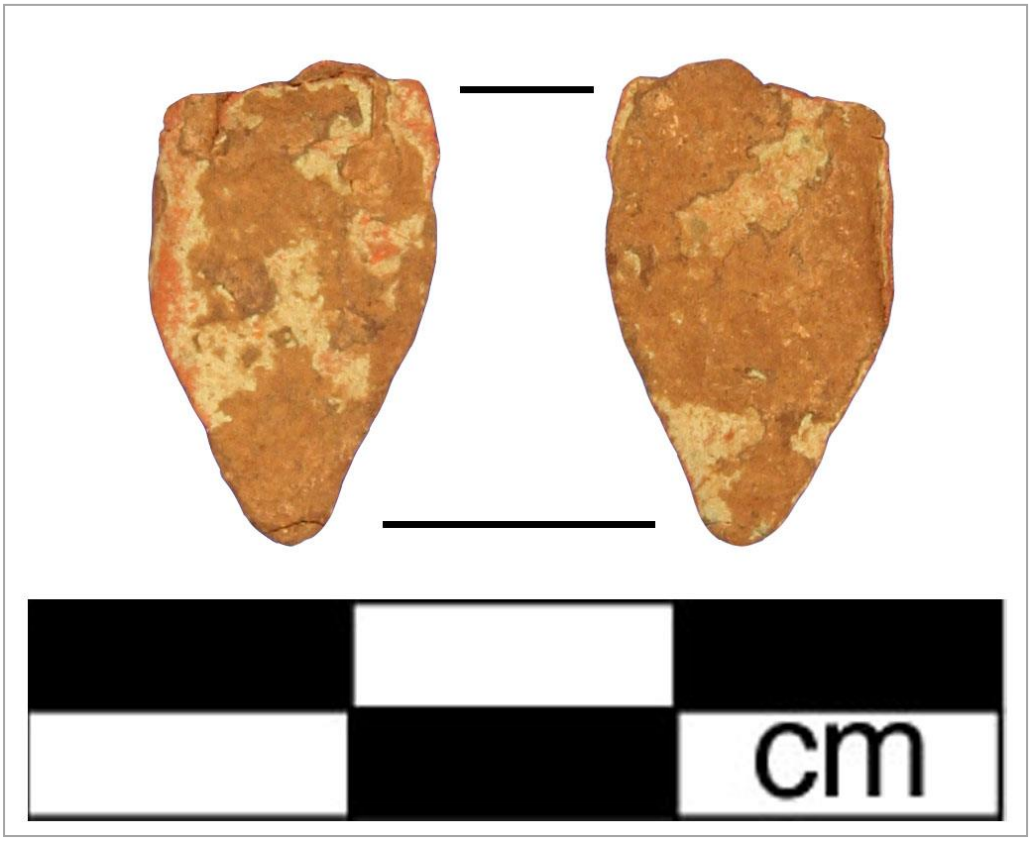
Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Triangular
Possible Intended Final Form: Indeterminate
General Comments: About one millimeter of tip of smaller end broke and crumbled into tiny pieces during analysis.



Artifact: BSB-76

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 20.1mm **Width:** 6.05mm **Thickness:** 1.55mm

Weight: 0.8g

Patina:

Type A: Present on 1-25% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions with some pitting throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Description of Use-Wear Amount/Location: Possibly a crushed bead? Nicks along edges and one nick in corrosion of one side.

Recent:
Cleaned: Not present

Reuse: Not present
Curation: Not present

Manufacturing Stage/Process:

Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Square
Possible Intended Final Form: Bead
General Comments: Possibly a crushed bead?

Artifact: BSB-77

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 20.84mm **Width:** 4.86mm **Thickness:** 0.59mm

Weight: 0.3g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions, pitting, and Types A and C throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Description of Use-Wear Amount/Location: Object bent twice longitudinally. Edges have some nicks.

Recent:
Cleaned: Not present

Reuse: Not present
Curation: Not present

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-78

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 16.19mm **Width:** 8.38mm **Thickness:** 3.78mm

Weight: 1.8g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions and Types A and C throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Description of Use-Wear Amount/Location: Portions of ends are bent and One layer is slightly splayed from rest of fragment body.
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Square
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-79

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 32.52mm **Width:** 10.67mm **Thickness:** 2.85mm

Weight: 2.5g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions and Type A throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Description of Use-Wear Amount/Location: Object is distorted with bends throughout. Half of one long edge is bent upwards. Edges have some nicks.

Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-80

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 17.6mm **Width:** 13.74mm **Thickness:** 2.85mm

Weight: 1.6g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with some accretions, Type A, and Type C.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: One side was bent back and smoothed against the body of the fragment. Bend throughout object longitudinally. Some nicks along edges.

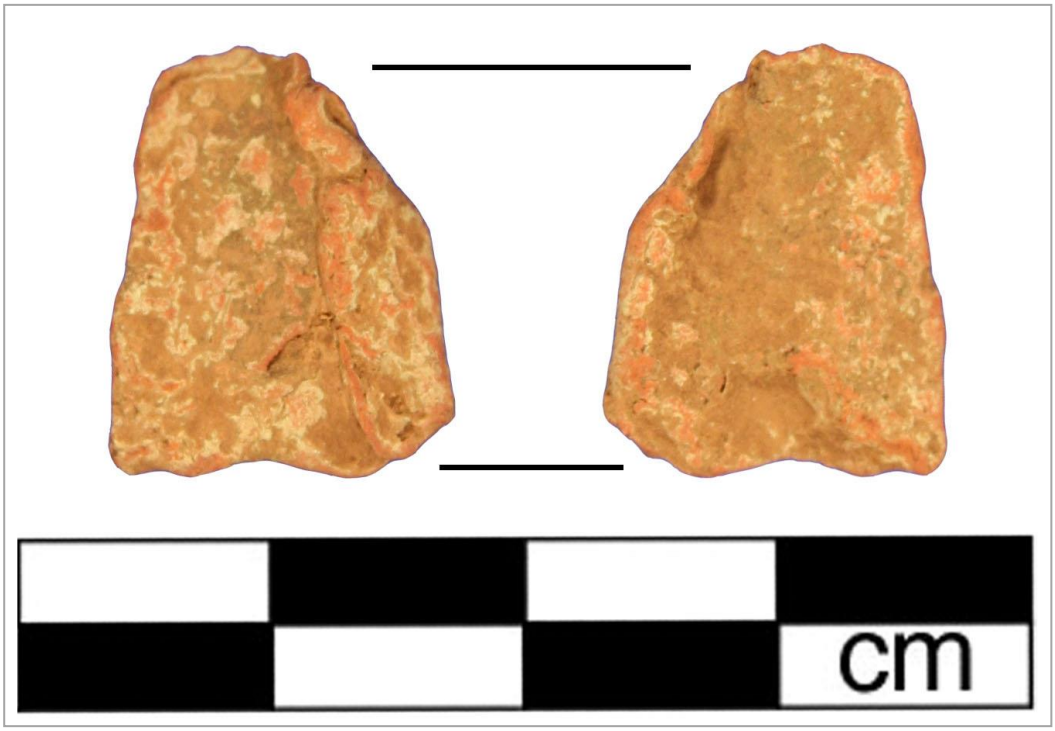
Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Polygonal
Possible Intended Final Form: Indeterminate
General Comments:



Artifact: BSB-81

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 21.04mm **Width:** 18.12mm **Thickness:** 1.67mm

Weight: 2.2g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with some Type A.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: One corner is slightly bent. One edge is flat and was possibly formed by pressing up against a flat surface or in a mold.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Triangular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-82

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 39.14mm **Width:** 8.92mm **Thickness:** 4.49mm

Weight: 3.9g

Patina:

Type A: Present on 1-25% of object
Type B: Not present
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Present on 1-25% of object
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with some Type C along edges that are verging on a Type E color.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Portion of long end bent upward. Object bent in half at center. Thinner edge has layers splayed away from rest of body. The tip of this end is sharply bent.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
Possible Intended Final Form: Indeterminate
General Comments: Length is overall length of each bent section added together.

Artifact: BSB-83

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 15.89mm **Width:** 12.84mm **Thickness:** 5.16mm

Weight: 3.5g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with Type A.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Two adjacent edges are flattened with a relatively sharp corner that was possibly created by pressing against a flat surface or inside of a mold. Some cracks stemming from the other edges of the object.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Triangular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-84

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 20.67mm **Width:** 5.5mm **Thickness:** 1.8mm

Weight: 0.6g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Not present
Type E: Present on 51-75% of object
Accretions: Present on 51-75% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A throughout with some accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Description of Use-Wear Amount/Location: Cracks stemming from smaller edges. Possibly a crushed tubular bead? One end is twisted.

Recent:
Cleaned: Not present

Reuse: Not present
Curation: Not present

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Polygonal
Possible Intended Final Form: Bead
General Comments: Possibly a crushed tubular bead?

Artifact: BSB-85

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 25.37mm **Width:** 6.31mm **Thickness:** 4.81mm

Weight: 1.2g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with some accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Ends are bent and layers are splayed from body. Cracks and nicks on edges.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Square
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-86

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 23.15mm **Width:** 6.75mm **Thickness:** 3.26mm

Weight: 1.3g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Description of Use-Wear Amount/Location: Edges of wider half are sharp and may have been formed by pressing against a flat surface or in a mold. Smaller end is bent backward. Possibly the beginning of a bead or a hook-like tool?

Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Triangular
Possible Intended Final Form: Bead
General Comments: Possibly the beginning of a bead or a hook-like tool? Length is total length of each bent portion added together.

Artifact: BSB-87

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 18.22mm **Width:** 3.76mm **Thickness:** 2.11mm

Weight: 0.6g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A throughout with some accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Description of Use-Wear Amount/Location: One end has a couple of crack stemming from it and the portion separated by the cracks is bent inward against the body of the fragment. Possibly a very small awl?

Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present

Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Square
Possible Intended Final Form: Awl
General Comments: Possibly a very small awl?

Artifact: BSB-88

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 22.31mm **Width:** 9.37mm **Thickness:** 2.23mm

Weight: 0.9g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Not present
Type E: Present on 1-25% of object
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions and Type A throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Fragment split in half from center to one end and layers are splayed away from one another. These layers are also bent and somewhat distorted. Edges have some nicks. Along one edge of intact half is very flat and may have been formed by pressing against a flat surface or in a mold.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-89

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 17.49mm **Width:** 10.82mm **Thickness:** 0.97mm

Weight: 0.7g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A throughout with some Type C, accretions, and pitting.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: One portion of one end was bent backwards and smoothed against body of fragment. A few portions of one edge are bent.

Manufacturing Stage/Process:

Level of Manufacture: Prepared blank **Cross-Section Shape:** Flat

Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Polygonal
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-90

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 11.39mm **Width:** 8.17mm **Thickness:** 3.83mm

Weight: 0.8g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with some Type A.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Fragment is bent lengthwise down its center.

Manufacturing Stage/Process:

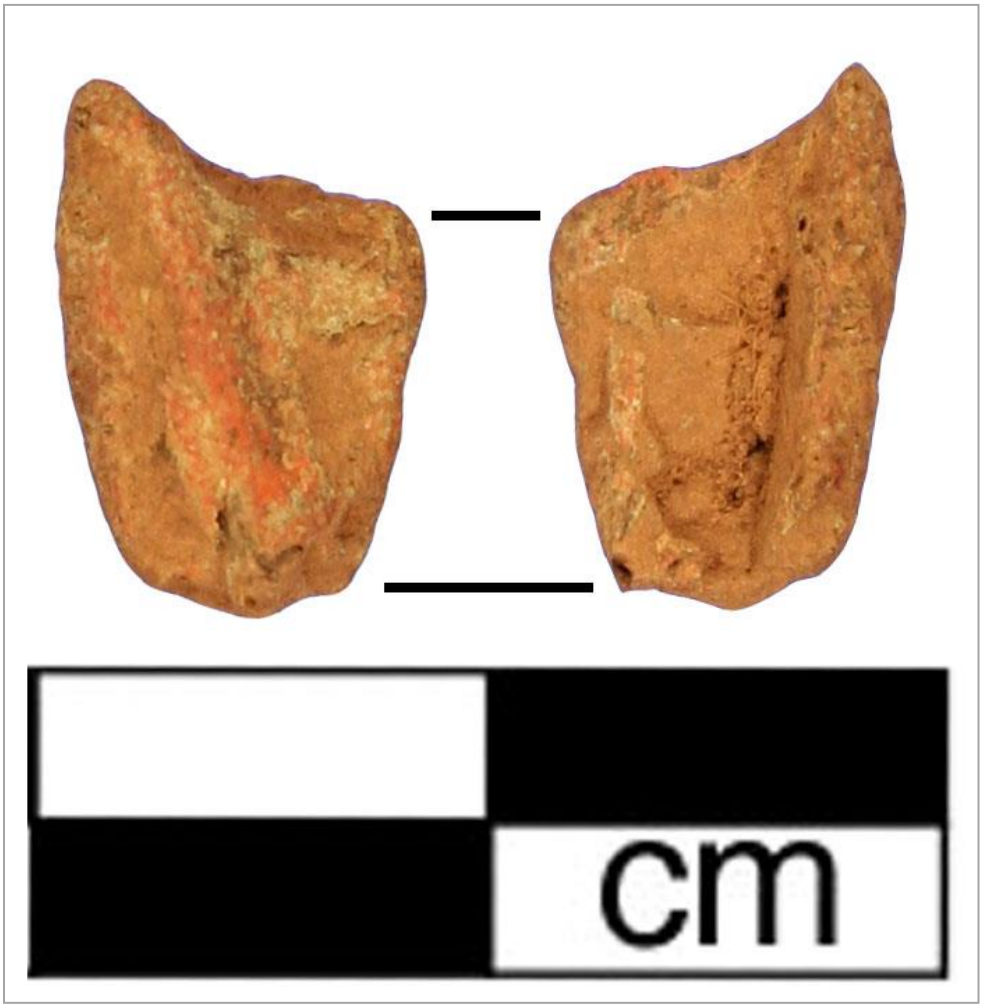
Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Polygonal
Possible Intended Final Form: Indeterminate
General Comments:



Artifact: BSB-91

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 17.63mm **Width:** 8.44mm **Thickness:** 0.99mm

Weight: 0.6g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with some Type A and C.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Crack stemming from center of one edge and running down center of a third of the fragment. Some bent areas near each of the less wide ends.

Manufacturing Stage/Process:

Level of Manufacture: Prepared blank **Cross-Section Shape:** Flat

Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Square
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-92

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 15.36mm **Width:** 5.65mm **Thickness:** 0.95mm

Weight: 0.3g

Patina:

Type A: Present on 1-25% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Description of Use-Wear Amount/Location: Smaller ends are bent. Some nicks along edges.

Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present

Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-93

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 29.02mm **Width:** 7.88mm **Thickness:** 2.8mm

Weight: 0.7g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 26-50% of object
Type C: Not present
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions and Type A throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Some edges are bent. Piece bent into a U shape. Small portions of one side have possible polish.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
Possible Intended Final Form: Indeterminate
General Comments: Length is overall length of each bent section added together.

Artifact: BSB-94

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 17.83mm **Width:** 7mm **Thickness:** 0.51mm

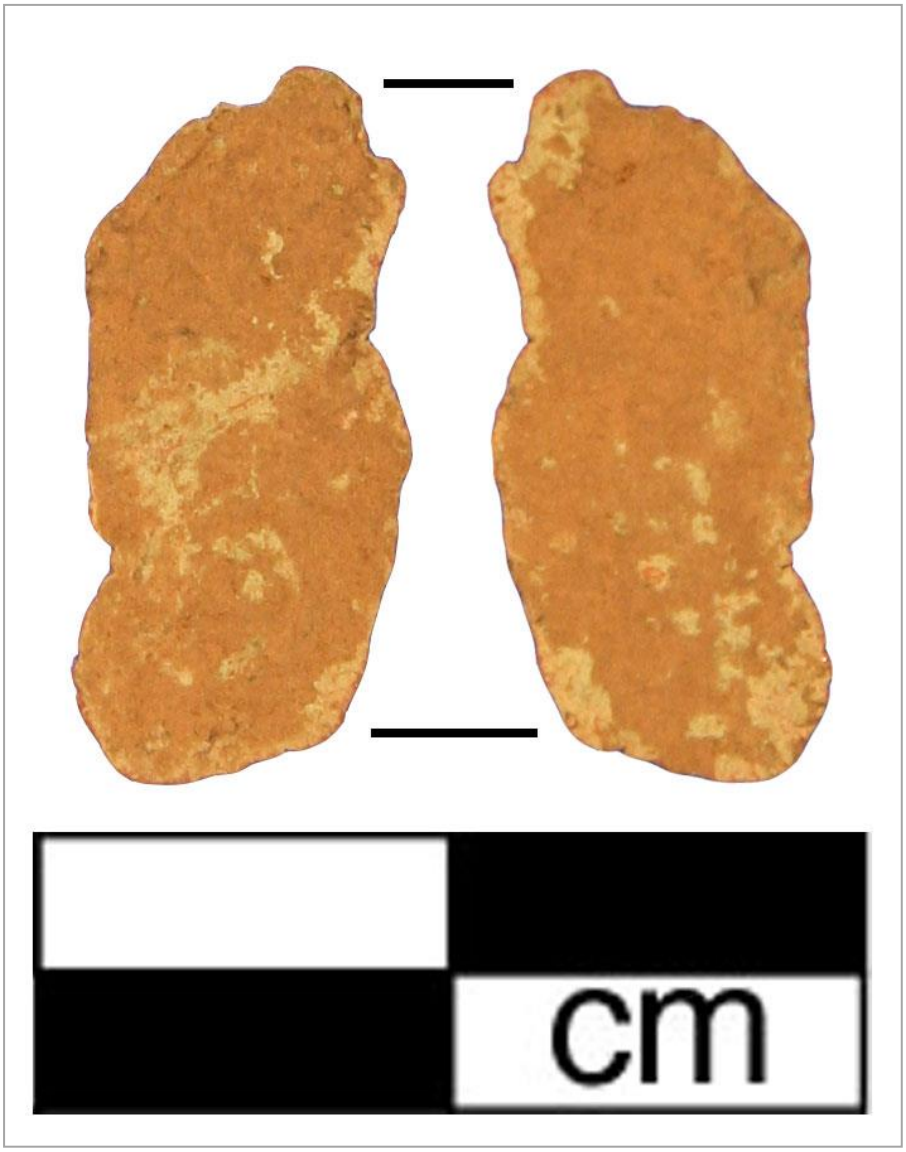
Weight: 0.2g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with some Type A.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Description of Use-Wear Amount/Location: Possible striations on surface. Nicks along edges.
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present



Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-95

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 18.61mm **Width:** 12.95mm **Thickness:** 2.43mm

Weight: 1.3g

Patina:

Type A: Present on 1-25% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Possible incision stemming from one edge on one side. Nicks along edges. Piece is slightly bent, including a couple areas around the edges.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Polygonal
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-96

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 8.79mm **Width:** 6.44mm **Thickness:** 0.56mm

Weight: 0.1g

Patina:

Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with areas of Type A.

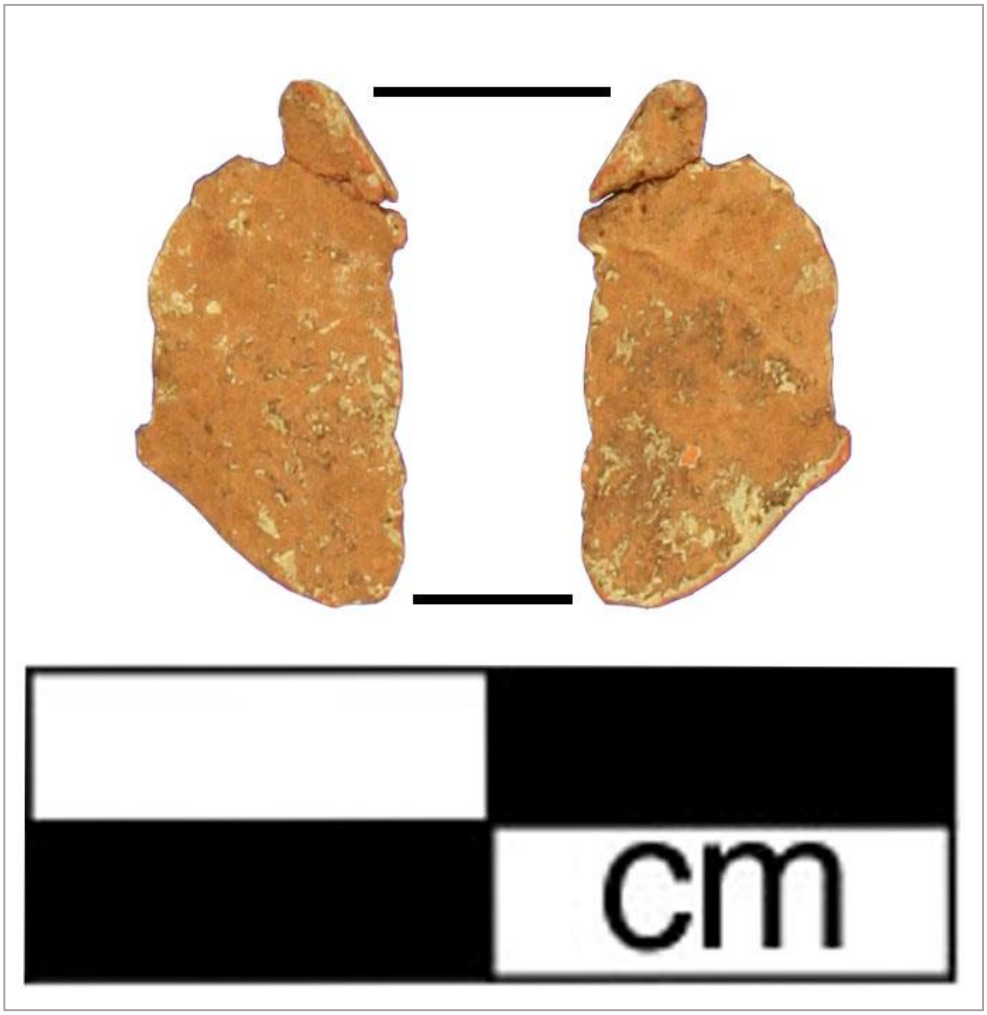
Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: One end has a crack across it. This end is bent over and smoothed against itself.

Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat



Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Square
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-97

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 9.11mm **Width:** 7.81mm **Thickness:** 0.53mm

Weight: 0.1g

Patina:

Type A: Present on 1-25% of object
Type B: Not present
Type C: Present on 1-25% of object
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with some Type A along edges.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: One corner bent over and smoothed against body of fragment. Nicks along edges.

Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Polygonal
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-98

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 20.75mm **Width:** 9.14mm **Thickness:** 1.28mm

Weight: 0.5g

Patina:

Type A: Present on 26-50% of object
Type B: Present on 26-50% of object
Type C: Present on 1-25% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Types A and B.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Small portions of ends bent upwards. Nicks along small ends and one portion of longer end. Possibly a crushed tubular bead?

Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Polygonal
Possible Intended Final Form: Bead
General Comments: Possibly a crushed tubular bead?

Artifact: BSB-99

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 13.26mm **Width:** 9.36mm **Thickness:** 0.43mm

Weight: 0.2g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Present on 1-25% of object
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout with some Type C.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Nicks along edges.

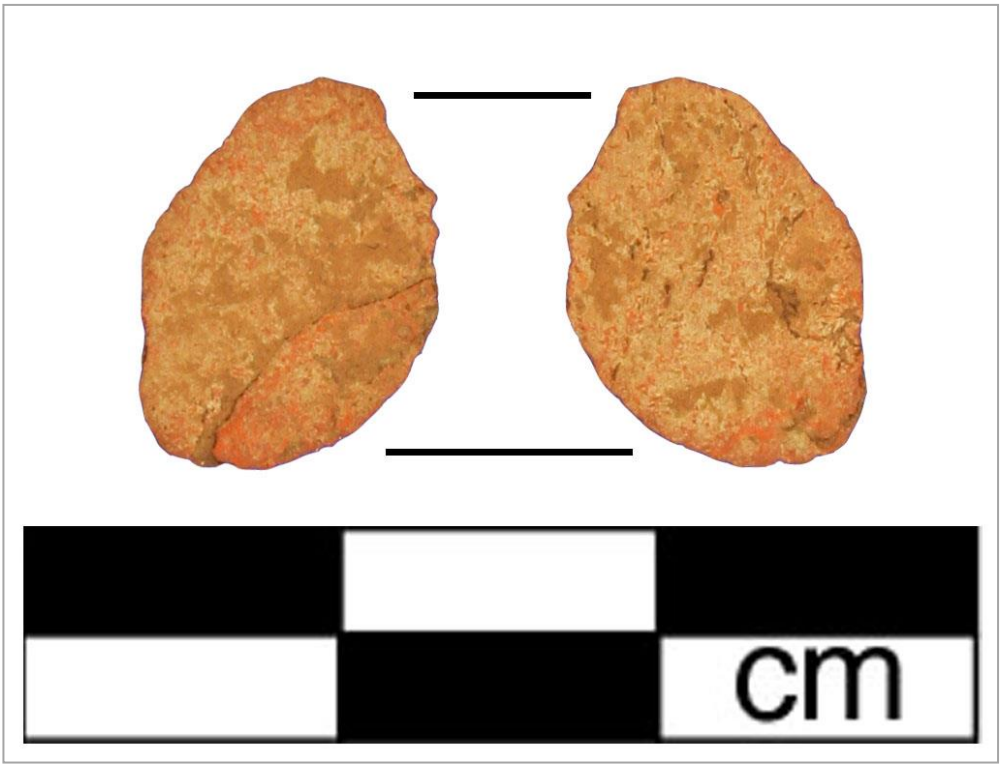
Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Oval
Possible Intended Final Form: Indeterminate
General Comments:



Artifact: BSB-100

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 11.7mm **Width:** 7.83mm **Thickness:** 1.8mm

Weight: 0.5g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A throughout with accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: A couple possible incisions running longitudinally down each side. Possibly a crushed bead?

Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Polygonal
Possible Intended Final Form: Bead
General Comments: Possibly a crushed bead?

Artifact: BSB-101

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 17.65mm **Width:** 10.74mm **Thickness:** 0.5mm

Weight: 0.3g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C and accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Cracks stemming from one edge that also has some bent portions. Object bent across piece widthwise. Possible polish in a couple of small areas on each side.

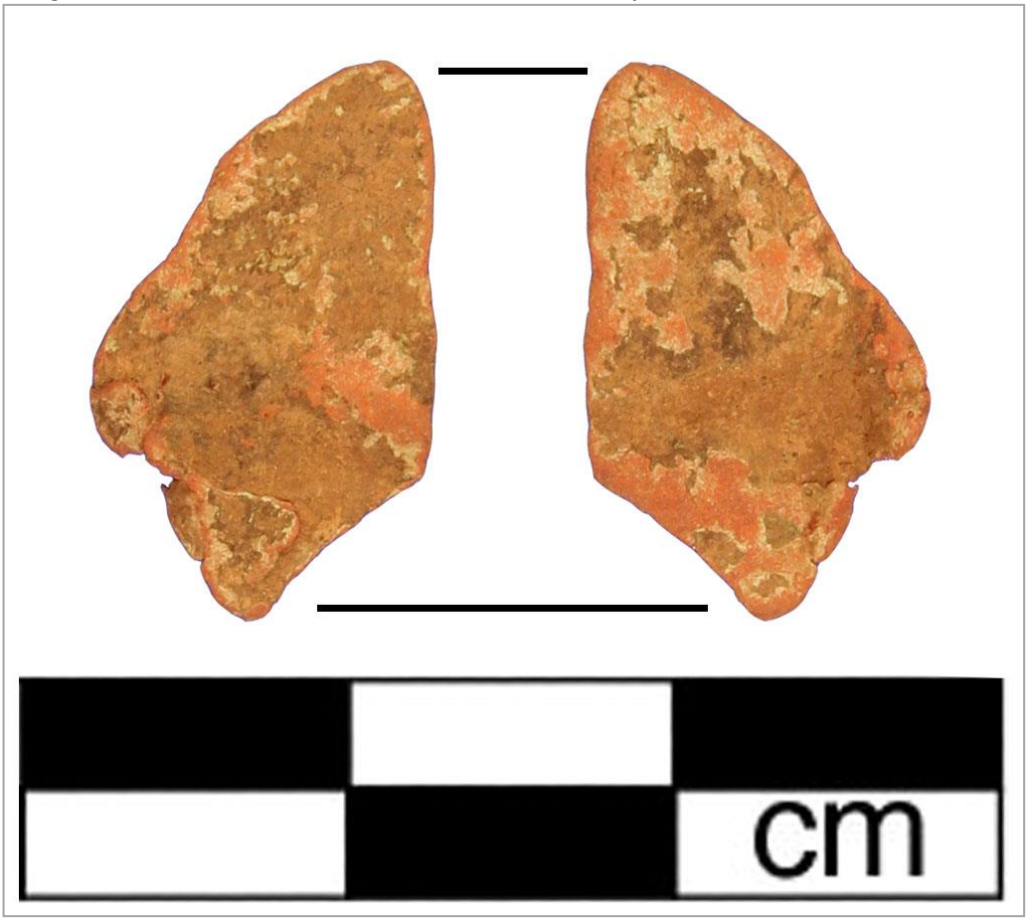
Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Polygonal
Possible Intended Final Form: Indeterminate
General Comments:



Artifact: BSB-102

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 14.07mm **Width:** 6.99mm **Thickness:** 0.94mm

Weight: 0.3g

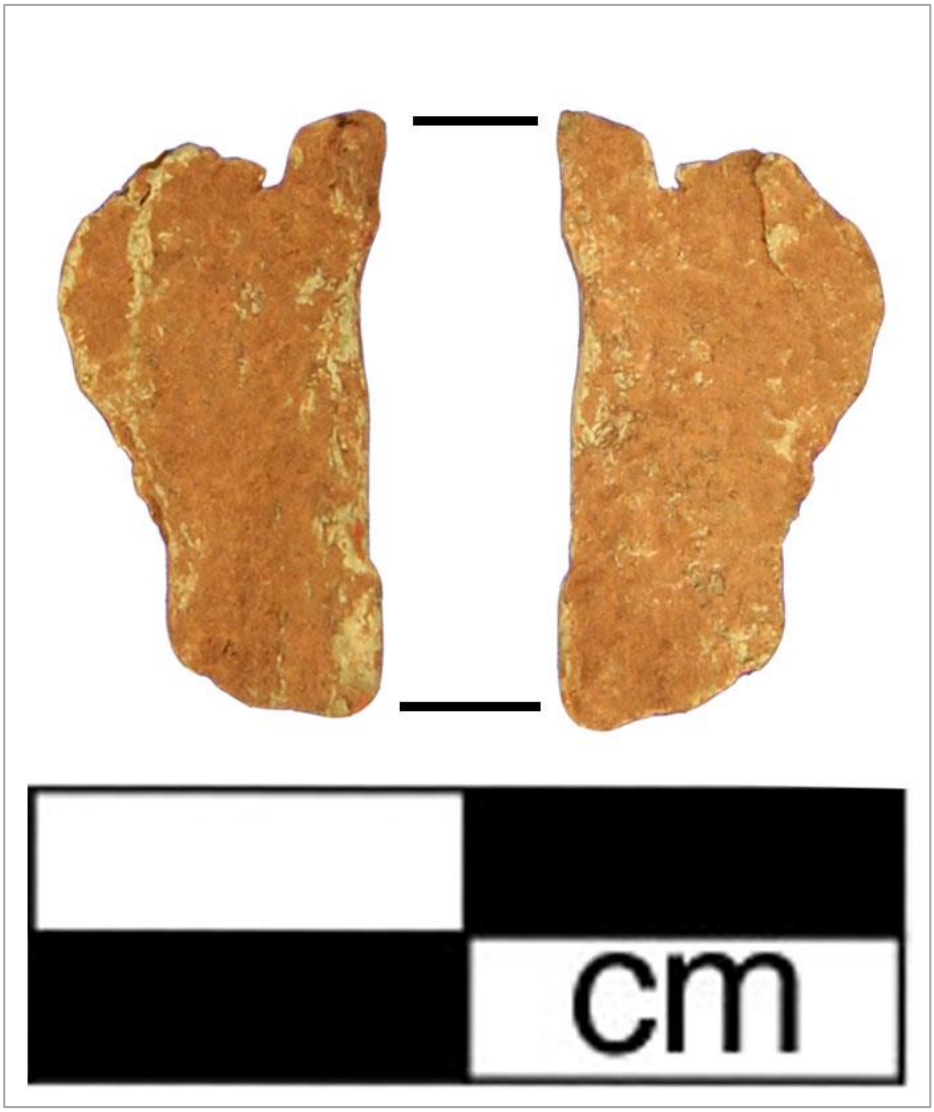
Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with Type A along edges and in some recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Nicks along edges. One portion of a long edge is bent upwards near edge. Object slightly bent lengthwise near center.



Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-103

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 27.32mm **Width:** 6.21mm **Thickness:** 1.37mm

Weight: 0.6g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Type A.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: One small end splayed and other small end has crack stemming from it. Object is bent in multiple areas, especially down center lengthwise. Nicks along edges. Some possible striations on piece.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-104

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 24.19mm **Width:** 7.22mm **Thickness:** 2.37mm

Weight: 1.3g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions and Type A throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Small ends are slightly bent and have some nicks. Object slightly bent at center.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Square
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-105

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 13.12mm **Width:** 6.88mm **Thickness:** 0.77mm

Weight: 0.2g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Type A along edges and in some recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Nicks along edges.

Manufacturing Stage/Process:

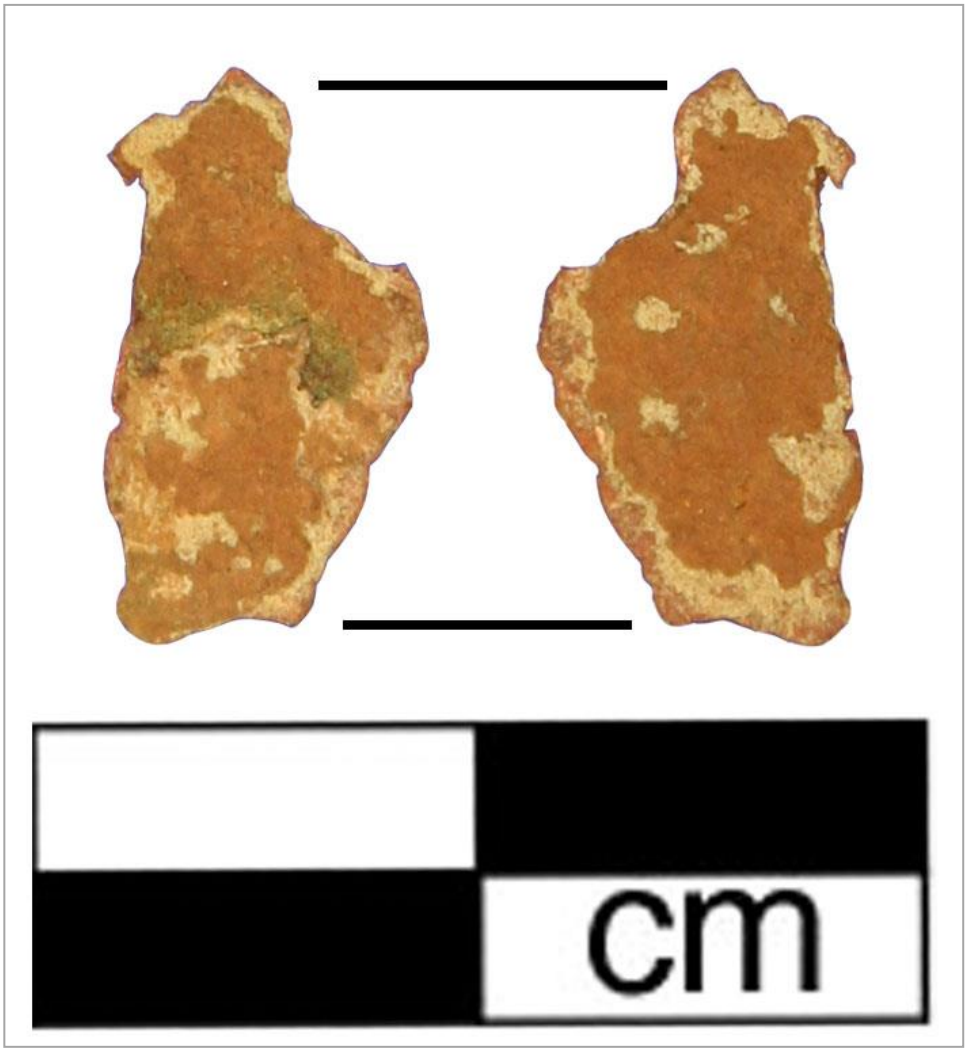
Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
Possible Intended Final Form: Indeterminate
General Comments:



Artifact: BSB-106

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 15.68mm **Width:** 8.84mm **Thickness:** 1.7mm

Weight: 0.9g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Types A and C along edges and in recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Edges slightly rounded.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Polygonal
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-107

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 17.37mm **Width:** 6.42mm **Thickness:** 1.1mm

Weight: 0.6g

Patina:

Type A: Present on 51-75% of object
Type B: Not present
Type C: Present on 51-75% of object
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Types A and C along edges and in recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Description of Use-Wear Amount/Location: Object is bent lengthwise. One end is also slightly bent.

Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Polygonal
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-108

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 20.6mm **Width:** 12.23mm **Thickness:** 1.26mm

Weight: 0.9g

Patina:

Type A: Present on 1-25% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with a little Type A along edges.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: One smaller end is bent. Bending along one edge probably from pressure from tool that cut the fragment. Some edges have nicks along them.

Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Oval
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-109

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 17.87mm **Width:** 13.11mm **Thickness:** 0.99mm

Weight: 0.9g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with some Type A along edges and recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: One layer slightly splayed from rest of fragment body. One piece of one end has crack across it and is slightly bent. Nicks along some edges.

Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Square
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-110

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 15.8mm **Width:** 8.77mm **Thickness:** 0.57mm

Weight: 0.2g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with some Type A along edges and recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Cracks stemming from some edges. Two cracks separate two pieces that are slightly bent. Some bends along center lengthwise.

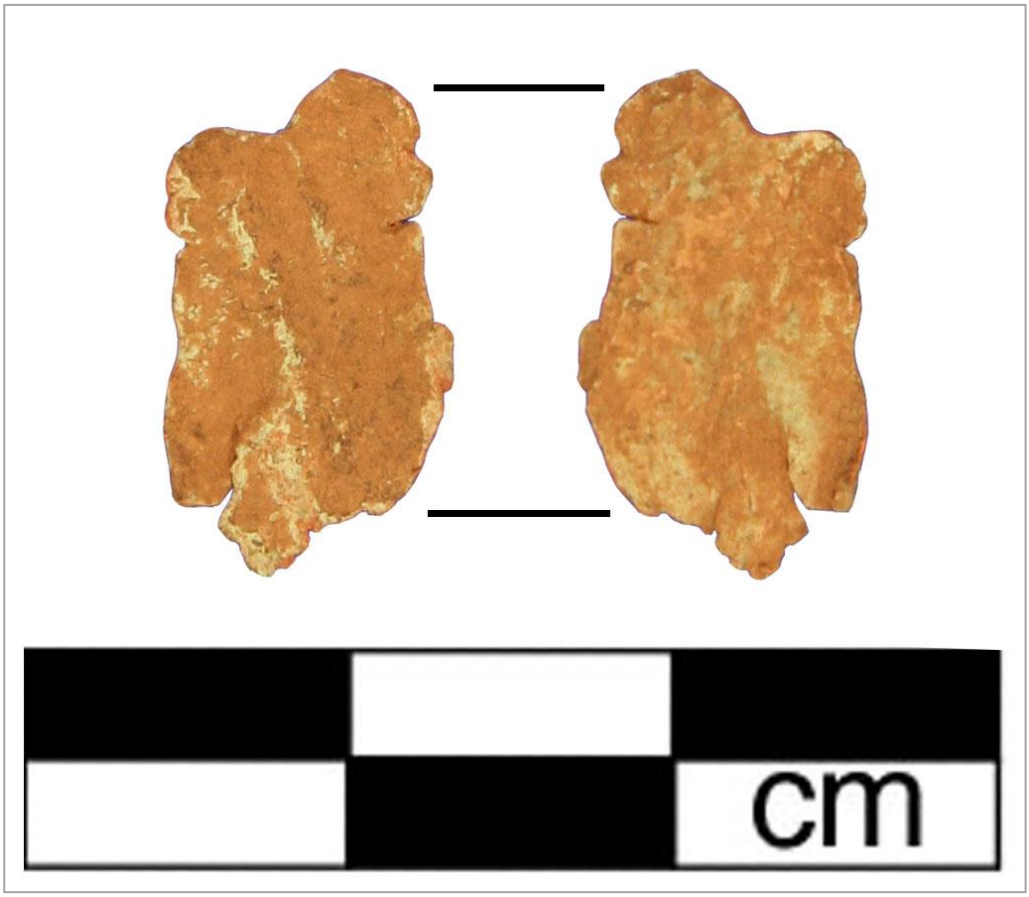
Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Polygonal
Possible Intended Final Form: Indeterminate
General Comments:



Artifact: BSB-111

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 17.96mm **Width:** 4.77mm **Thickness:** 1.34mm

Weight: 0.4g

Patina:

Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C throughout with accretions and some Type A.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Description of Use-Wear Amount/Location: Object slightly bent at center.

Recent:
Cleaned: Not present

Reuse: Not present
Curation: Not present

Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Triangular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-112

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 15.78mm **Width:** 4.47mm **Thickness:** 0.83mm

Weight: 0.3g

Patina:

Type A: Present on 1-25% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout and some Type D.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Description of Use-Wear Amount/Location: Object slightly bent at center and along one long edge. One end is sharply bent. Some nicks along edges. Possible striations on surface.

Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Oval
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-113

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 24.08mm **Width:** 10.43mm **Thickness:** 6.29mm

Weight: 5.1g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 51-75% of object
Type E: Present on 1-25% of object
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with Type A and D.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: One end bent and some layers are splayed away from fragment's body. Some small areas with possible polish.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-114

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 10.45mm **Width:** 4.05mm **Thickness:** 1.84mm

Weight: 0.3g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions and Type A throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: One end bent and some layers are splayed away from fragment's body.

Manufacturing Stage/Process:

Level of Manufacture: Some modification **Cross-Section Shape:** Flat

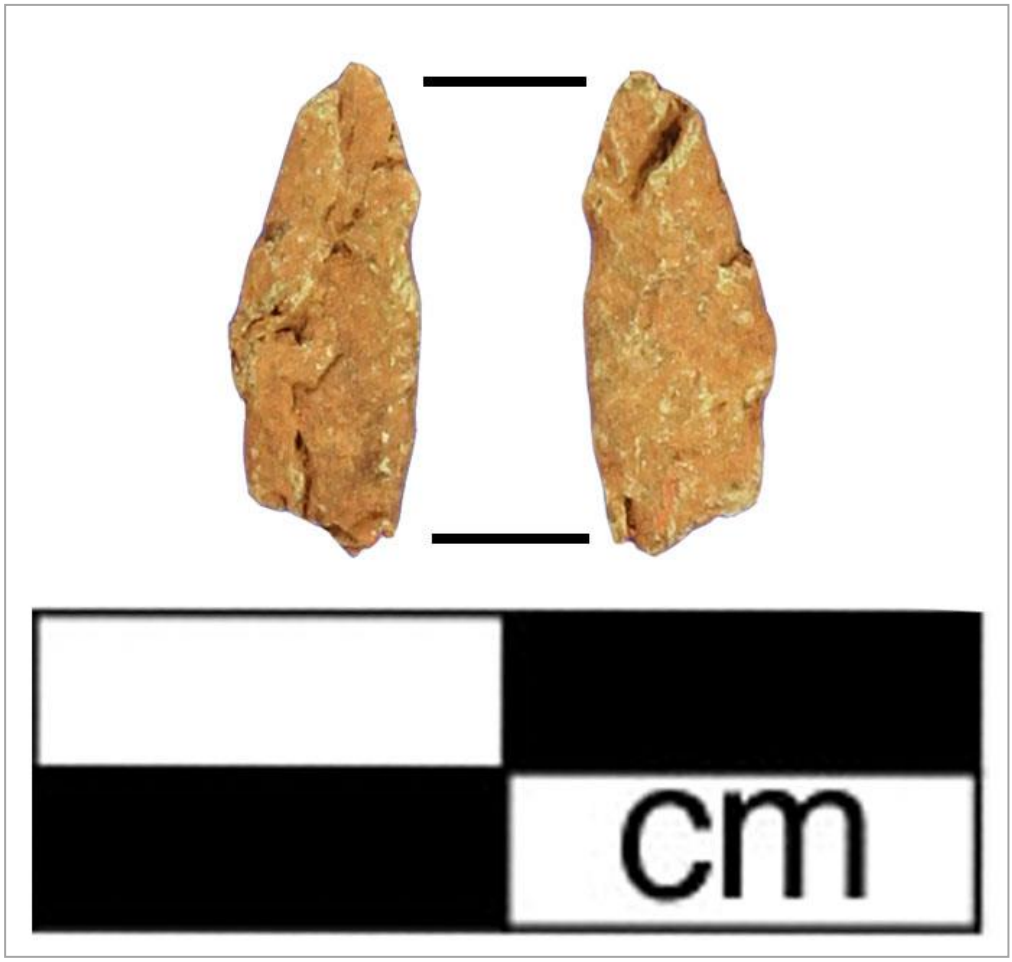
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Triangular
Possible Intended Final Form: Indeterminate
General Comments:



Artifact: BSB-115

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 17.96mm **Width:** 14.39mm **Thickness:** 0.81mm

Weight: 0.9g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 26-50% of object
Type E: Present on 1-25% of object
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C and accretions throughout with some Type A.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Object bent at center and along one edge. Some nicks along edges.

Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Polygonal
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-116

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 17.67mm **Width:** 12.19mm **Thickness:** 0.62mm

Weight: 0.5g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 26-50% of object
Type C: Present on 1-25% of object
Type D: Present on 51-75% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Types A and D.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Piece folded over and almost pinched together. Some cracks and nicks along edges.

Manufacturing Stage/Process:

Level of Manufacture: Prepared blank **Cross-Section Shape:** Flat

Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank

Decorations Present: Not present
Decoration Description (if present):

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Polygonal
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-117

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 12.02mm **Width:** 11.54mm **Thickness:** 0.36mm

Weight: 0.1g

Patina:

Type A: Present on 1-25% of object
Type B: Not present
Type C: Not present
Type D: Present on 51-75% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with some Type D.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Some cracks and nicks on edges. One section of an edge is slightly bent. Possible polish on both sides of piece.

Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-118

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 10.49mm **Width:** 9.89mm **Thickness:** 0.45mm

Weight: 0.1g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Type A along edges and recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Some nicks along edges. Sharp bends across center of piece. Possible striations on surface and stemming from edges.

Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Triangular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-119

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 11.04mm **Width:** 8.95mm **Thickness:** 0.38mm

Weight: 0.1g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Not present
Type E: Present on 51-75% of object
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Type A along edges and recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Nicks along edges. One portion of one edge has a crack across it and is slightly bent.

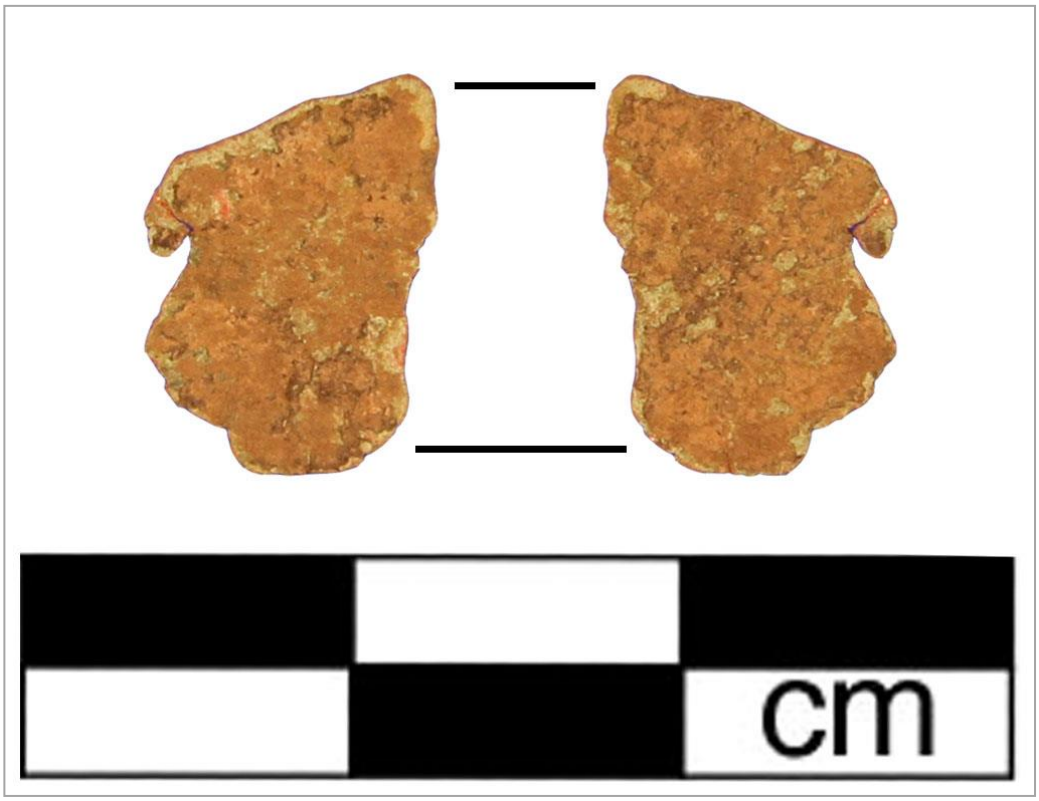
Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Polygonal
Possible Intended Final Form: Indeterminate
General Comments:



Artifact: BSB-120

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 15.14mm **Width:** 4.26mm **Thickness:** 2.64mm

Weight: 0.6g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Type A along edges and recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Description of Use-Wear Amount/Location: Object slightly bent at center. Small edges have some nicks. Possibly a crushed tubular bead?

Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Square
Possible Intended Final Form: Bead
General Comments: Possibly a crushed tubular bead?

Artifact: BSB-121

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 16.82mm **Width:** 7.07mm **Thickness:** 1.68mm

Weight: 0.9g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and C throughout with some accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Description of Use-Wear Amount/Location: Object slightly bent diagonally across piece. One small section of a long edge is sharply bent.

Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present

Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Square
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-122

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 17.89mm **Width:** 9.28mm **Thickness:** 1.36mm

Weight: 0.7g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with some Type A and C.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: One layer slightly splayed from rest of fragment body. Some possible striations on each side. Object slightly bent diagonally across the piece.

Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Cross-Section Shape: Flat
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank

Decorations Present: Not present
Decoration Description (if present):

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Polygonal
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-123

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 11.75mm **Width:** 8.82mm **Thickness:** 0.57mm

Weight: 0.2g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with some Type A along edges and recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: One corner has small crack and is slightly bent. Nicks along edges.

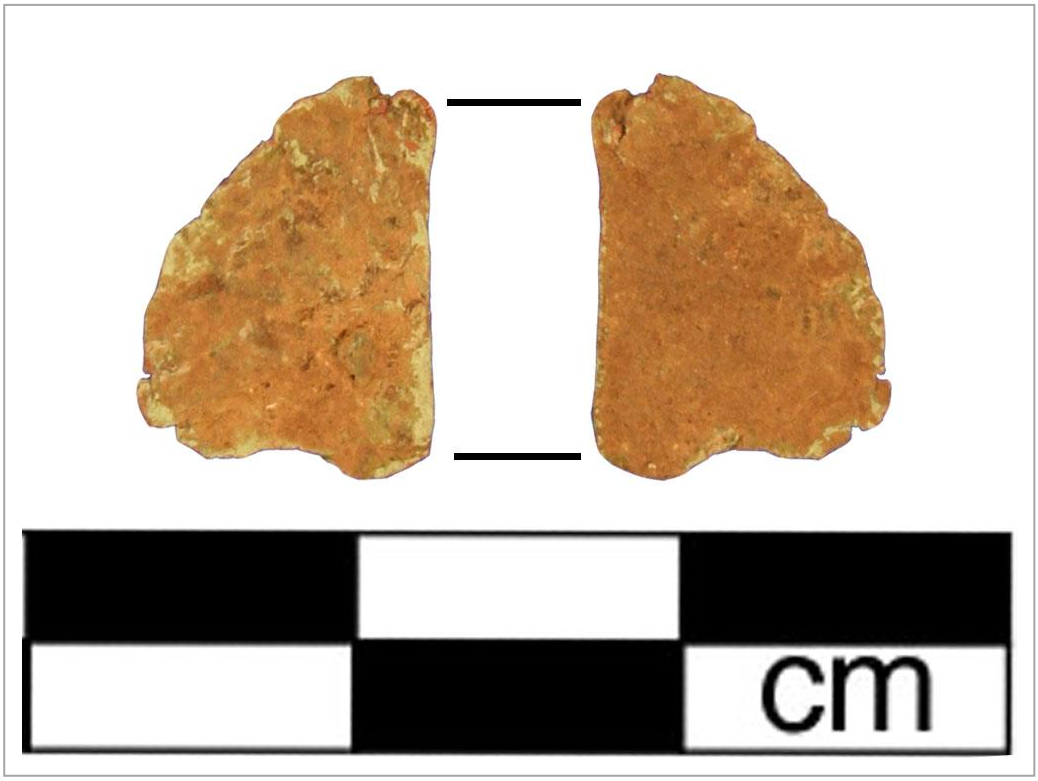
Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Triangular
Possible Intended Final Form: Indeterminate
General Comments:



Artifact: BSB-124

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 16.43mm **Width:** 11.67mm **Thickness:** 0.61mm

Weight: 0.2g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with some Type A along edges and recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Some cracks stemming from edges. Small nicks along edges. Some layers are splayed from body. Some portions of edges are bent.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-125

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 15.83mm **Width:** 6.78mm **Thickness:** 0.77mm

Weight: 0.2g

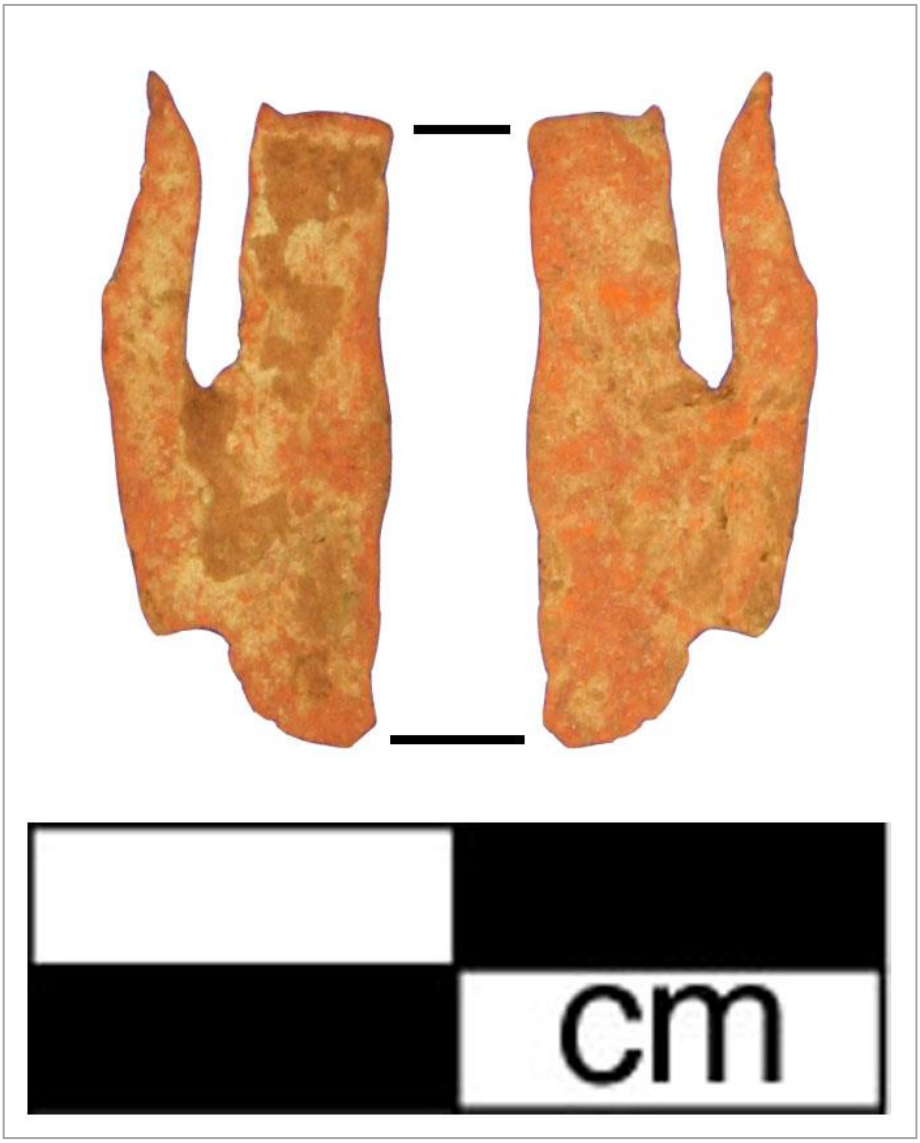
Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Present on 1-25% of object
Accretions: Present on 51-75% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Description of Use-Wear Amount/Location: One portion of divided end is slightly bent. Some possible striations on each side.

Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present



Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-126

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 12.45mm **Width:** 5.2mm **Thickness:** 0.39mm

Weight: <0.1g

Patina:

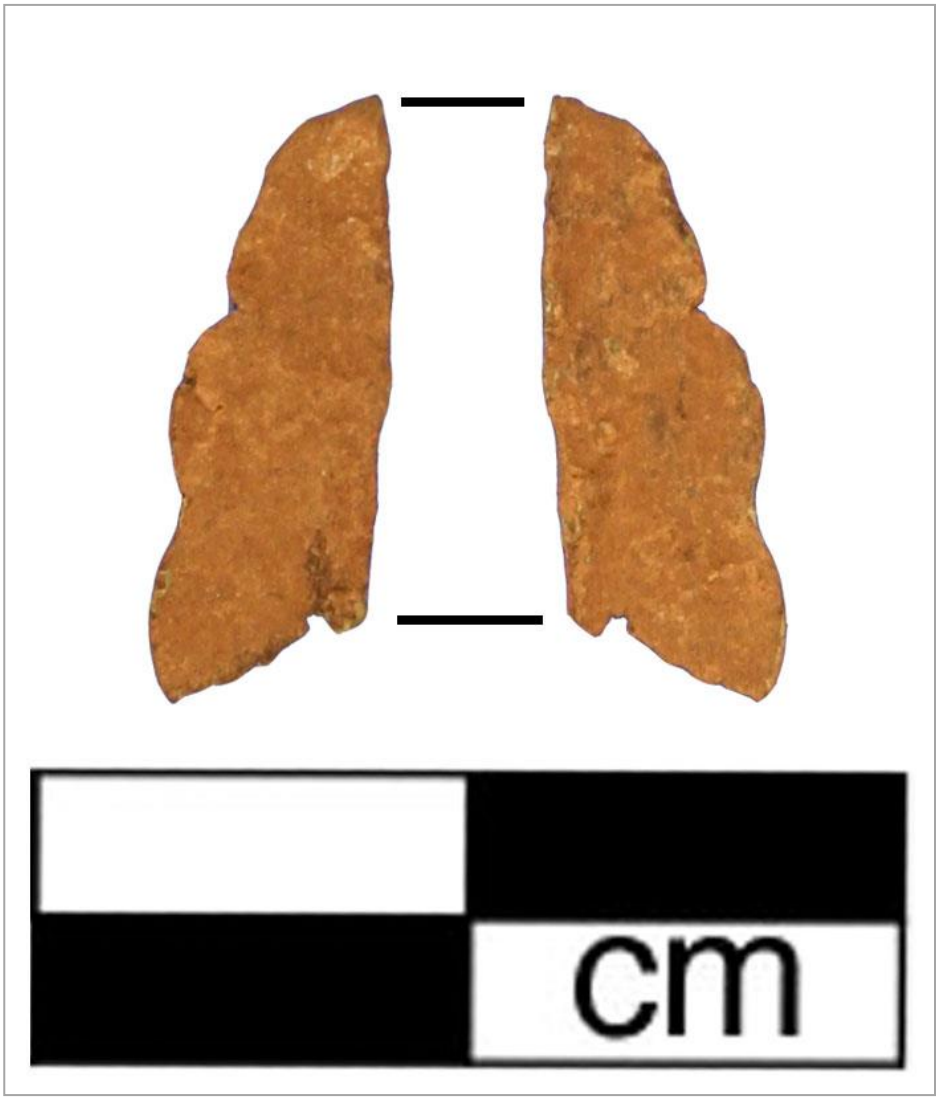
Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with a couple of areas of Type A.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Description of Use-Wear Amount/Location: Crack stemming from one edge. Object slightly bent along center lengthwise. Some nicks along edges.

Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:

Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present



Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Triangular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-127

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 5.61mm **Width:** 3.3mm **Thickness:** 1.53mm

Weight: 0.1g

Patina:

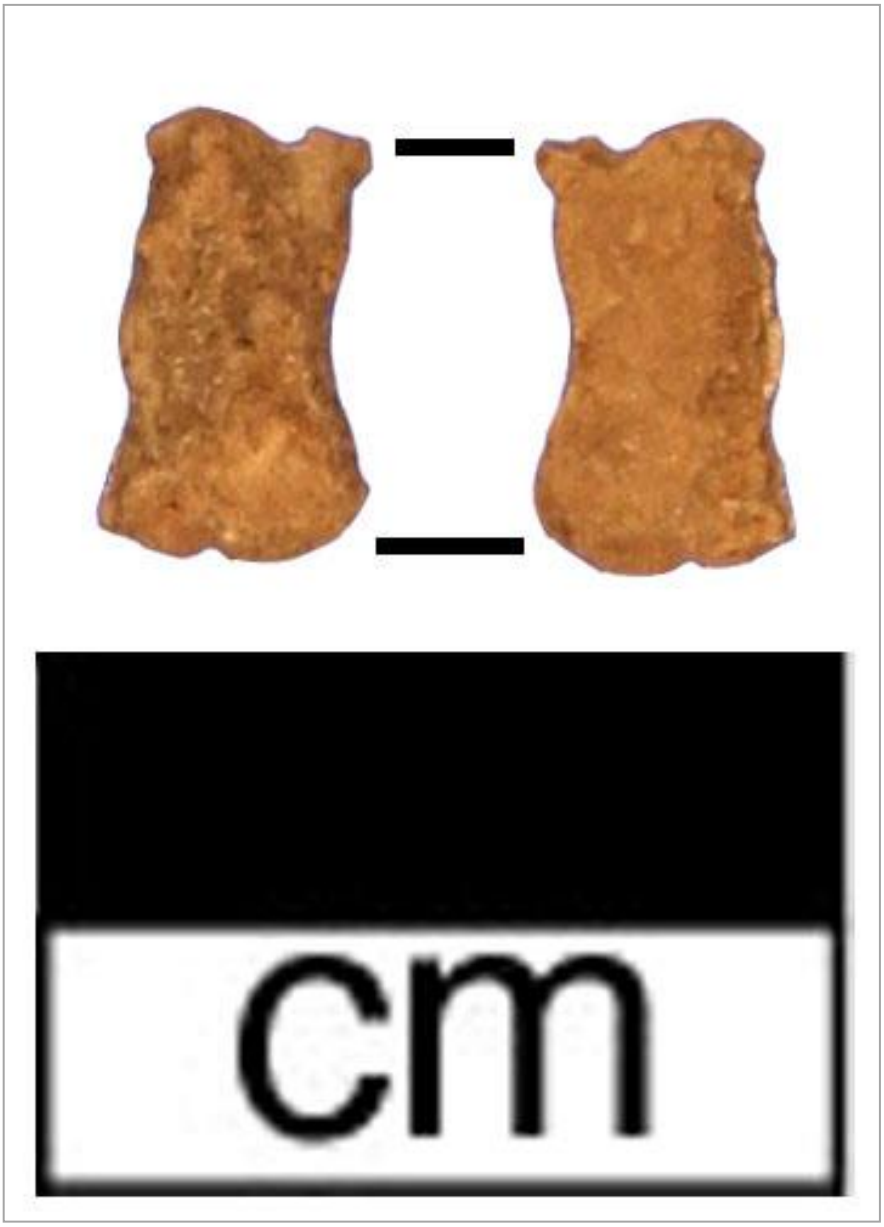
Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with a couple of areas of Type A.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Description of Use-Wear Amount/Location: Nicks along one edge.

Recent:
Cleaned: Not present

Reuse: Not present
Curation: Not present



Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Square
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-128

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 13.22mm **Width:** 9.43mm **Thickness:** 0.58mm

Weight: 0.2g

Patina:

Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with a couple of areas of Type A.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Nicks along edges.

Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-129

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 18.58mm **Width:** 5.24mm **Thickness:** 0.38mm

Weight: 0.2g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 76-100% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type D and accretions throughout with areas of Type A.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Description of Use-Wear Amount/Location: At center, the copper is exposed and appears to be a portion that was bent at one time and bent back leaving a crease. Portion of one end was bent backwards and smoothed against fragment body.
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Present

Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-130

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 26.86mm **Width:** 8.53mm **Thickness:** 1.05mm

Weight: 0.8g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with a couple of areas of Type A.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Present
Loss:
Broken Piece: Not present
Description of Use-Wear Amount/Location: One end slightly bent. One area of possible polish near center of one side.

Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present

Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-131

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 12.04mm **Width:** 4.99mm **Thickness:** 0.45mm

Weight: 0.1g

Patina:

Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with a couple of areas of Types A, C, and D.

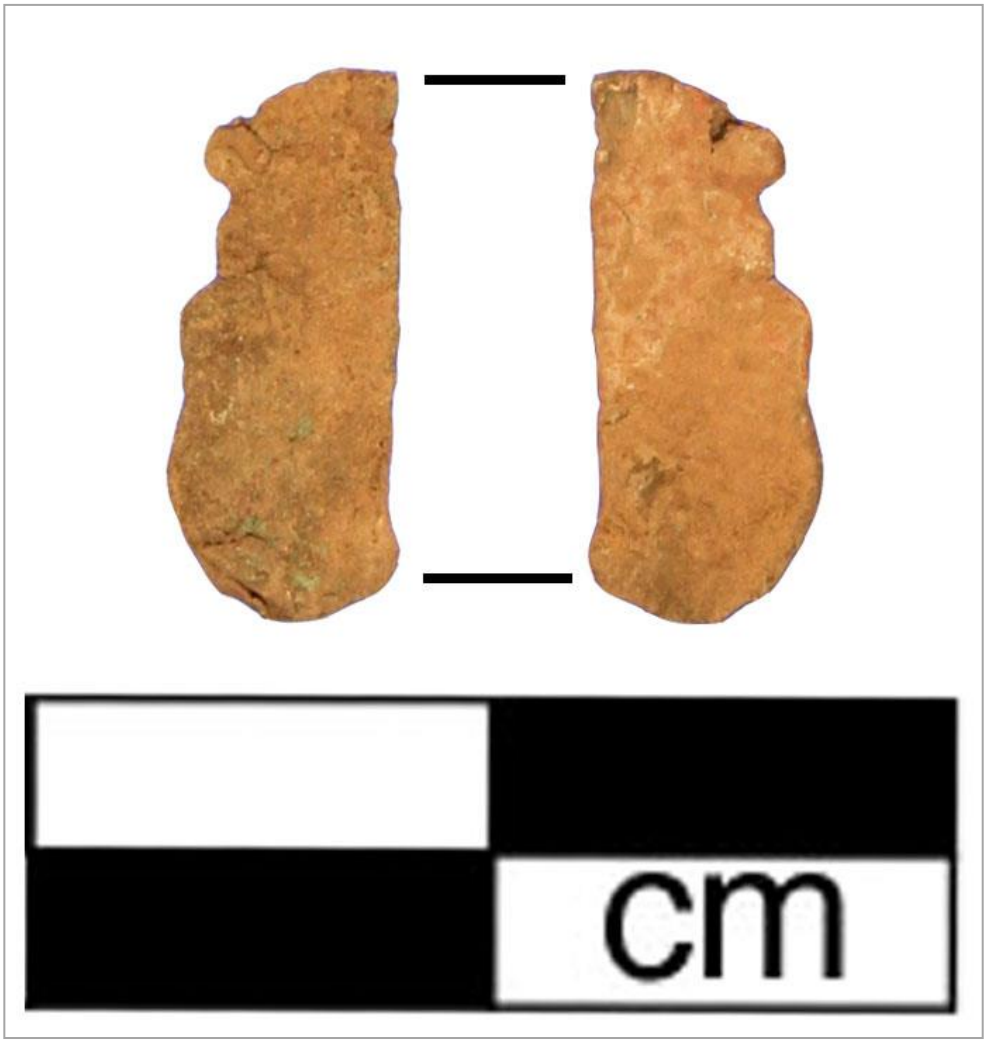
Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Some cracks and nicks on some edges. Object slightly bent near center widthwise.

Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat



Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Square
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: BSB-132

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 4.44mm **Width:** 4.37mm **Thickness:** 0.32mm

Weight: <0.1g

Patina:

Type A: Present on 1-25% of object
Type B: Not present
Type C: Not present
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with a couple of areas of Type D.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Nicks along edges.

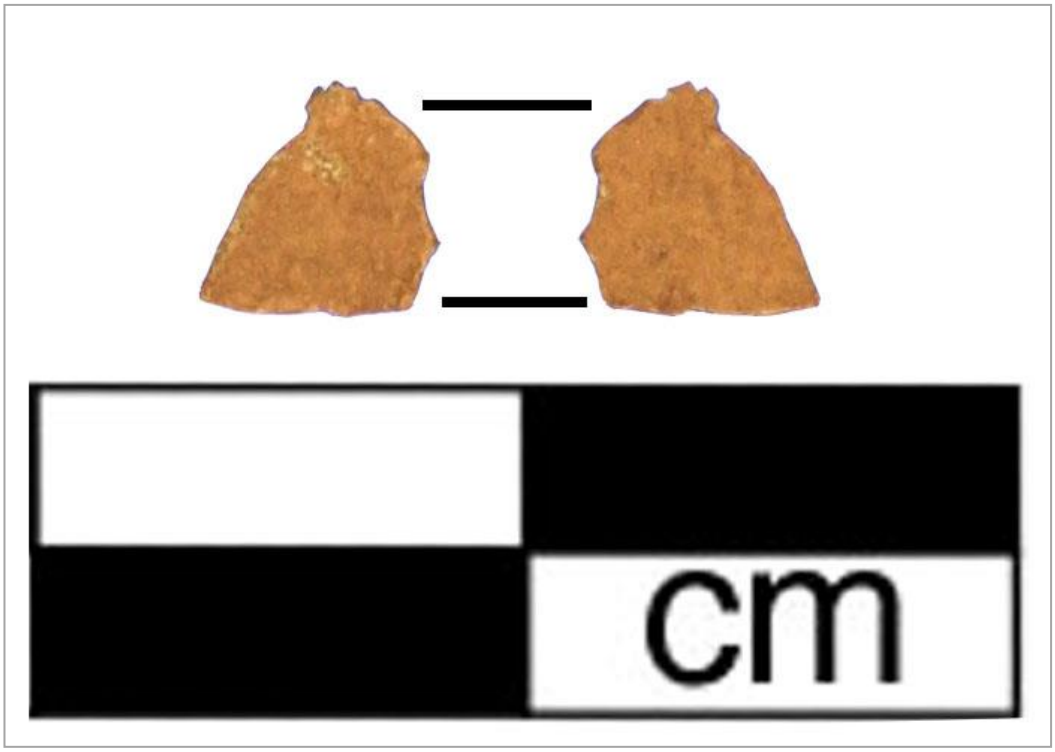
Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Polygonal
Possible Intended Final Form: Indeterminate
General Comments:



Artifact: BSB-133

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Fragment

Length: 8.65mm **Width:** 2.23mm **Thickness:** 0.32mm

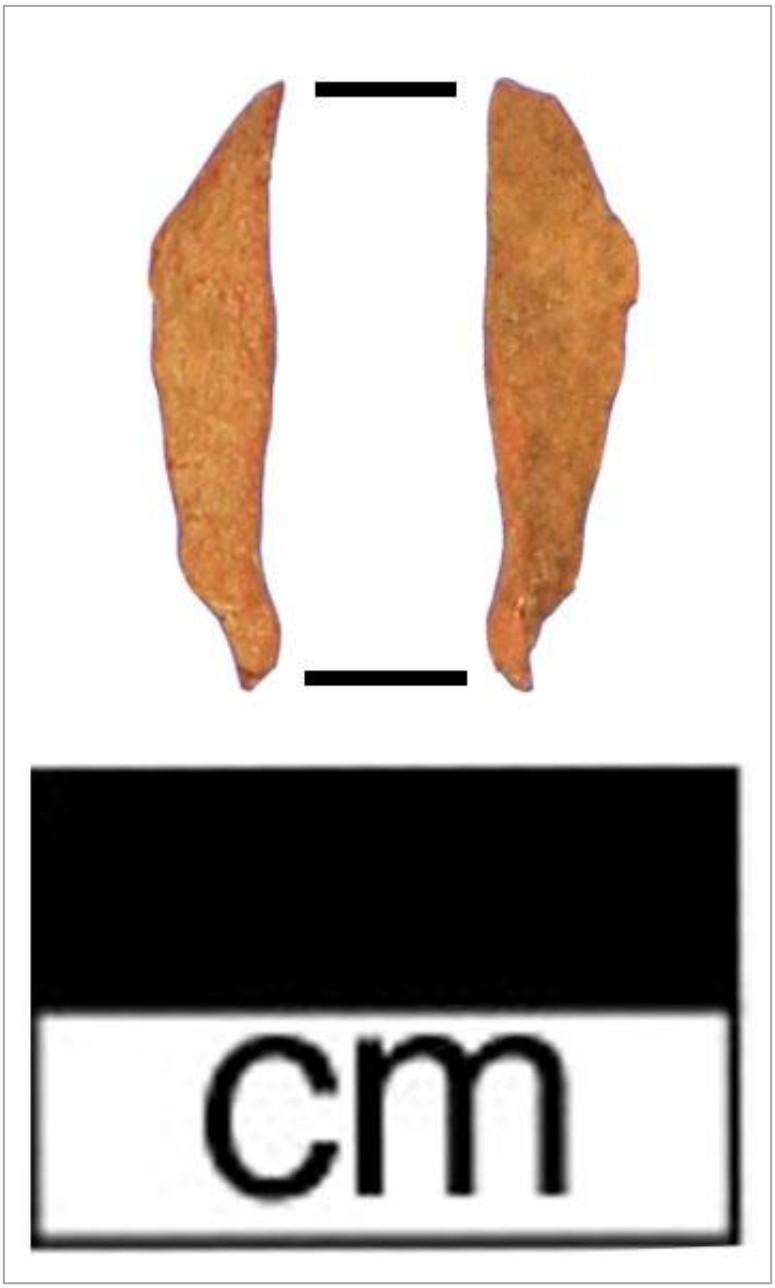
Weight: <0.1g

Patina:

Type A: Present on 1-25% of object
Type B: Not present
Type C: Not present
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions throughout with a couple of areas of Type D.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Object bent in a couple of places widthwise. Edges have some nicks.



Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Triangular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: C00-1

Recorder: JMP **Date:** 5/3/2016

Reported Provenience: Crescent Bay Hunt Club, 2000 Field Season, Unit 00-05, Level 01, #1

Morphofunctional Designation: Fragment

Length: 12.91mm **Width:** 7.89mm **Thickness:** 3.87mm

Weight: 1.5g

Patina:

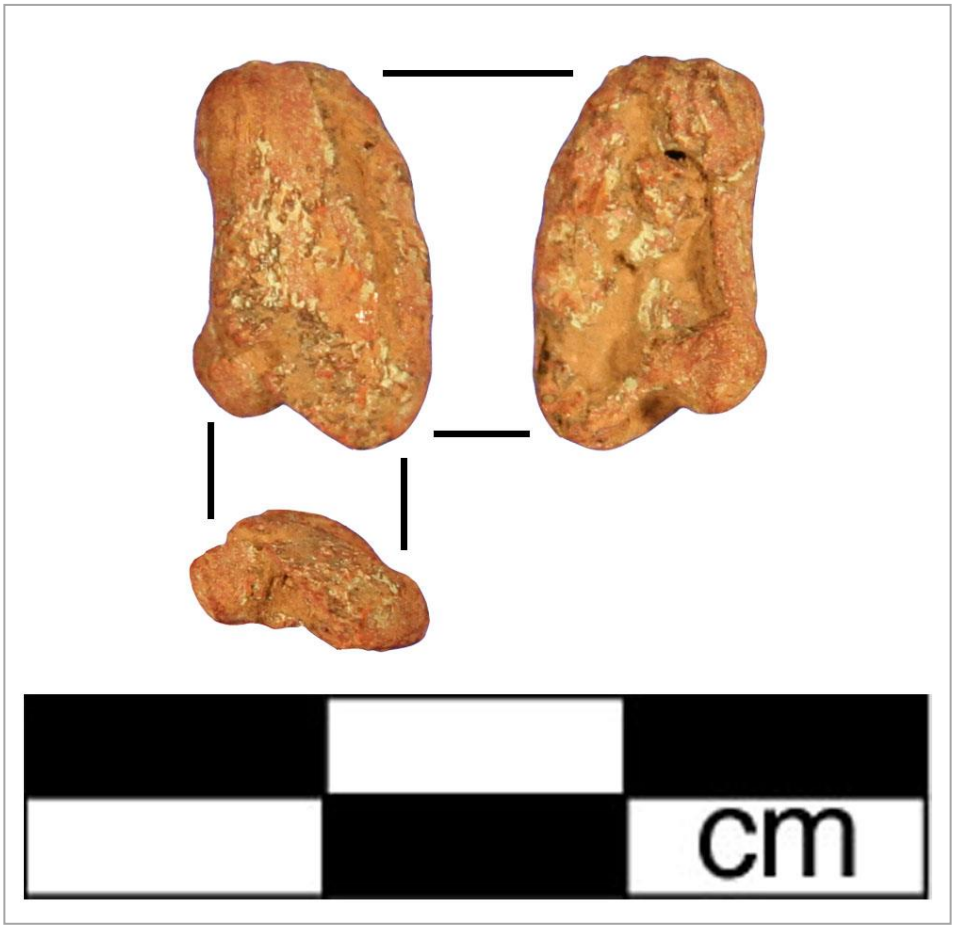
Type A: Present on 1-25% of object
Type B: Not present
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Present on 1-25% of object
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions and pitting throughout with Types A and C.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Possible incisions throughout. Seems to have some minor shaping/lumping.

Manufacturing Stage/Process:

Level of Manufacture: Unmodified
Possible Manufacturing Method: Indistinguishable or N/A
Possible Shaping Method: Indistinguishable or N/A
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Triangular



Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Oval
Possible Intended Final Form: Indeterminate
General Comments: Probably just a chunk of raw copper.

Artifact: C02-3

Recorder: JMP **Date:** 5/3/2016

Reported Provenience: Crescent Bay Hunt Club, 2002 Field Season, T7-P7, Datum 500, 500

Morphofunctional Designation: Fragment

Length: 11.71mm **Width:** 5.8mm **Thickness:** 1.14mm

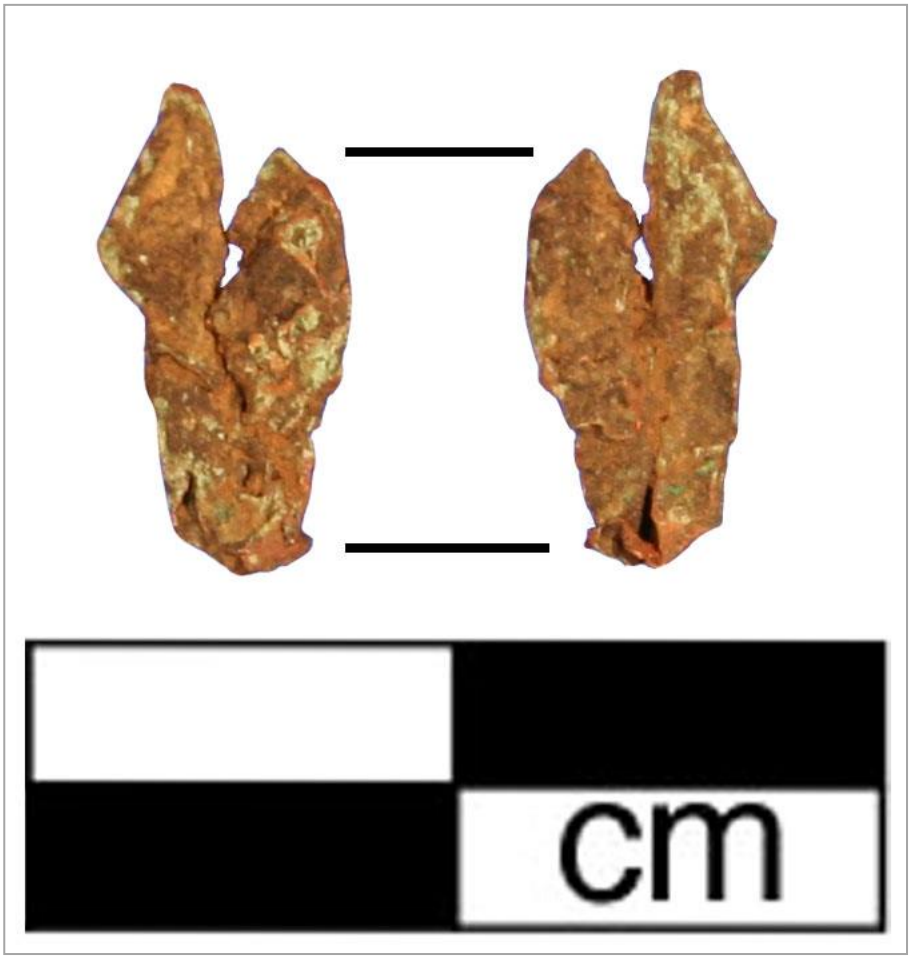
Weight: 0.2g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Present on 1-25% of object
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions and deep pitting throughout with Type A.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Looks like piece was folded over and hammered a couple of times or was a rough bead/tinkler cone that was later smashed and heavily corroded. Edges are irregular and there may be incisions running across fragment. One edge slightly bent upward and cracks throughout.



Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
Possible Intended Final Form: Tinkler cone
General Comments:

Artifact: C02-5

Recorder: JMP **Date:** 5/3/2016

Reported Provenience: Crescent Bay Hunt Club, 2002 Field Season, Unit 02-05, Feature 02-32, Heavy Fraction, >6.3mm

Morphofunctional Designation: Fragment

Length: 8.66mm **Width:** 5.12mm **Thickness:** 1.43mm

Weight: 0.1g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 51-75% of object
Type C: Present on 1-25% of object
Type D: Not present
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions throughout with Type A along edges.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Three edges bent - two of the shorter edges in one direction, and one of the longer edges in the opposite direction. Cracks along some of these bents. Longer edges are relatively straight with slight curve to them, possibly broken after bending. Possible fragment of a serpentine pendant?

Manufacturing Stage/Process:

Level of Manufacture: Roughly manufactured artifact **Cross-Section Shape:** Flat

Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank

Decorations Present: Not present
Decoration Description (if present):

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Oval
Possible Intended Final Form: Indeterminate
General Comments: Possible fragment of a serpentine pendant?

Artifact: C04-1

Recorder: JMP **Date:** 5/3/2016

Reported Provenience: Crescent Bay Hunt Club, 2004 Field Season, West Block, FTF 04-27, Level 02

Morphofunctional Designation: Fragment

Length: 11.48mm **Width:** 8.1mm **Thickness:** 0.41mm

Weight: 0.2g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 51-75% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and B with accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: One very rough broken edge that is slightly up curved. One tab that is sticking up is slightly pinched on its very end. Cracks running perpendicularly to this broken edge. All other edges are worn and some have striations running perpendicular to them. Opposite side has sharp edge and corner near broken edge, almost as if the object was pressed in a mold. Ripples running perpendicular to broken edge here.

Manufacturing Stage/Process:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
Possible Intended Final Form: Pendant
General Comments: Noted as a fragment since this is the closest category for this piece. Possibly the end of a serpentine pendant? Or perhaps the start of a bead?

Artifact: K12-3

Recorder: JMP **Date:** 5/3/2016

Reported Provenience: Koshkonong Creek Village, 2012 Field Season, Unit 12-01,02,03,04, Level 02, FF 12-01, Level 01, Zone P

Morphofunctional Designation: Fragment

Length: 8.73mm **Width:** 7.67mm **Thickness:** 0.37mm

Weight: 0.2g

Patina:

Type A: Present on 1-25% of object
Type B: Not present
Type C: Not present
Type D: Present on 51-75% of object
Type E: Present on 51-75% of object
Accretions: Present on 51-75% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A along edges. Types D and E and accretions throughout body of fragment.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Small nick on edge opposite flat edge. Flat edge is slightly bent upward and has some small nicks.

Manufacturing Stage/Process:

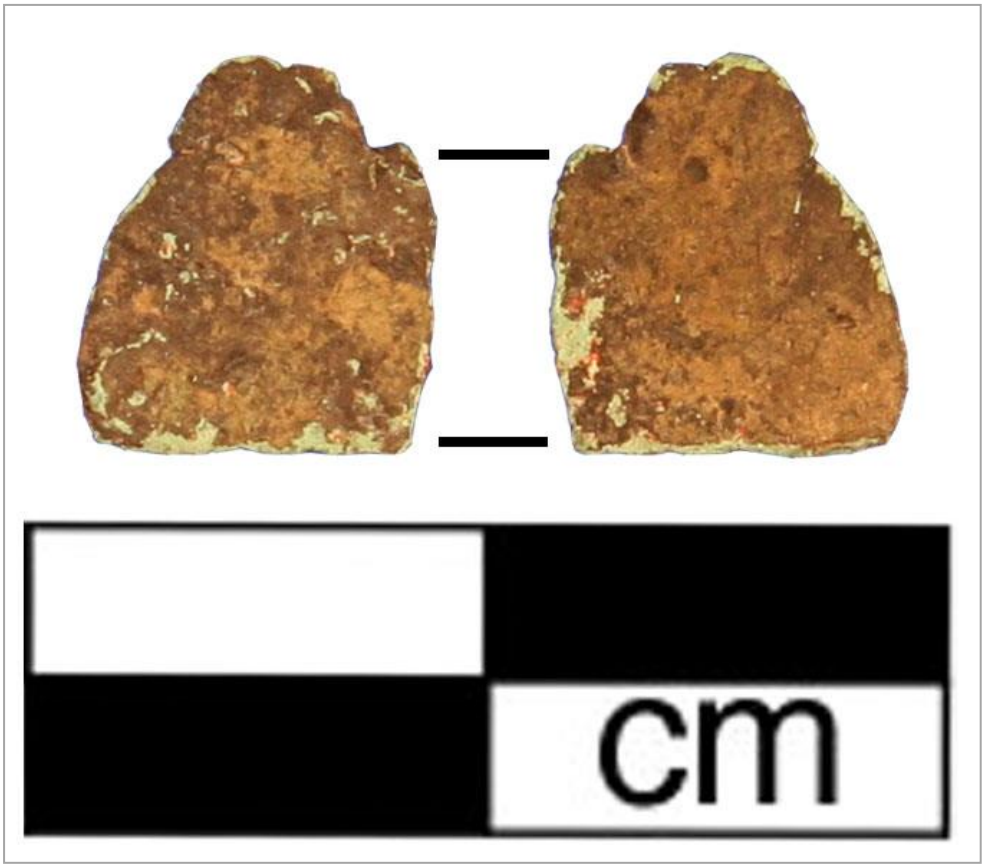
Level of Manufacture: Some modification
Cross-Section Shape: Flat
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank

Decorations Present: Not present
Decoration Description (if present):

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Triangular
Possible Intended Final Form: Bead
General Comments:



Artifact: K12-5

Recorder: JMP **Date:** 5/3/2016

Reported Provenience: Koshkonong Creek Village, 2012 Field Season, Unit 12-01,02,03,04, FF 12-01, Zone I

Morphofunctional Designation: Fragment

Length: 14.82mm **Width:** 5.88mm **Thickness:** 0.32mm

Weight: 0.1g

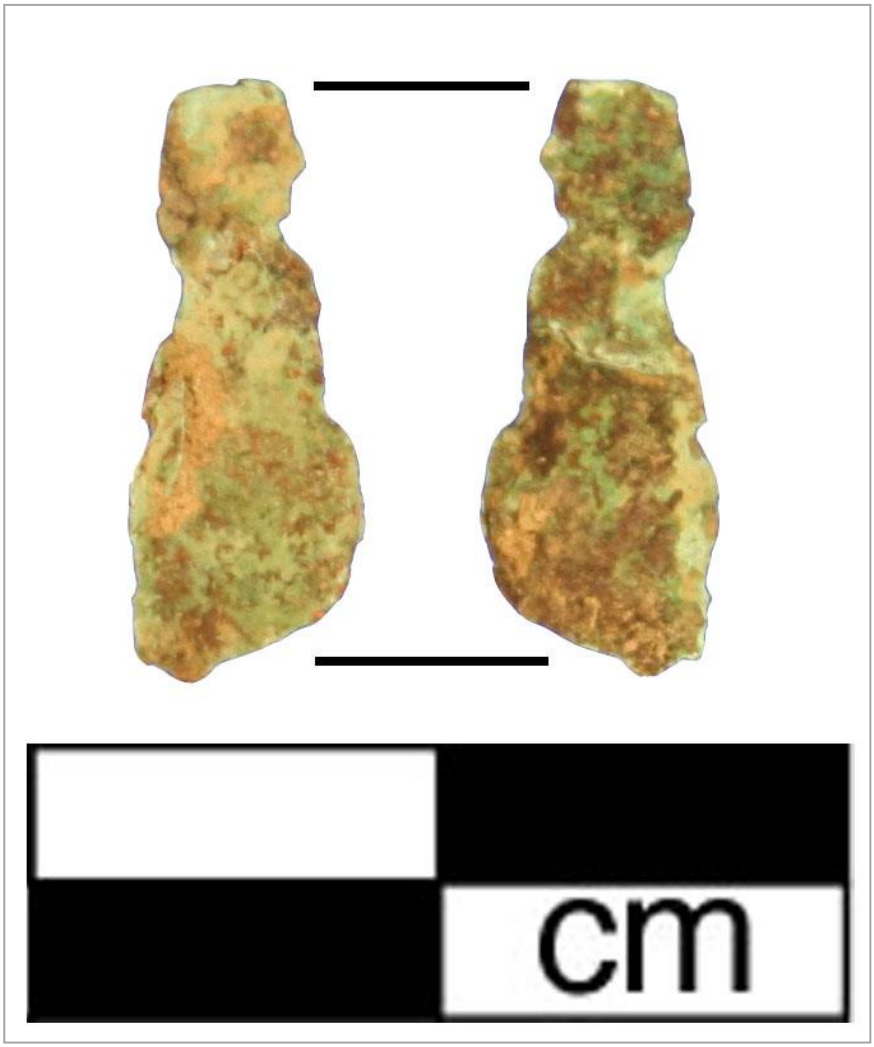
Patina:

Type A: Present on 76-100% of object
Type B: Present on 51-75% of object
Type C: Not present
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout with some areas of Type D.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Description of Use-Wear Amount/Location: Edges irregular with many nicks. Surface appears to have striations running across its shorter width. Slightly bent and some cracks throughout.

Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present



Manufacturing Stage/Process:

Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Oval
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: K12-6

Recorder: JMP **Date:** 5/3/2016

Reported Provenience: Koshkonong Creek Village, 2012 Field Season, Unit 12-01,02,03,04, FF 12-01, Zone E

Morphofunctional Designation: Fragment

Length: 7.94mm **Width:** 5.72mm **Thickness:** 2.88mm

Weight: 0.2g

Patina:

Type A: Present on 76-100% of object
Type B: Not present
Type C: Not present
Type D: Present on 1-25% of object
Type E: Present on 1-25% of object
Accretions: Present on 1-25% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Some striations across surface, but this object looks like a lumpy stone.

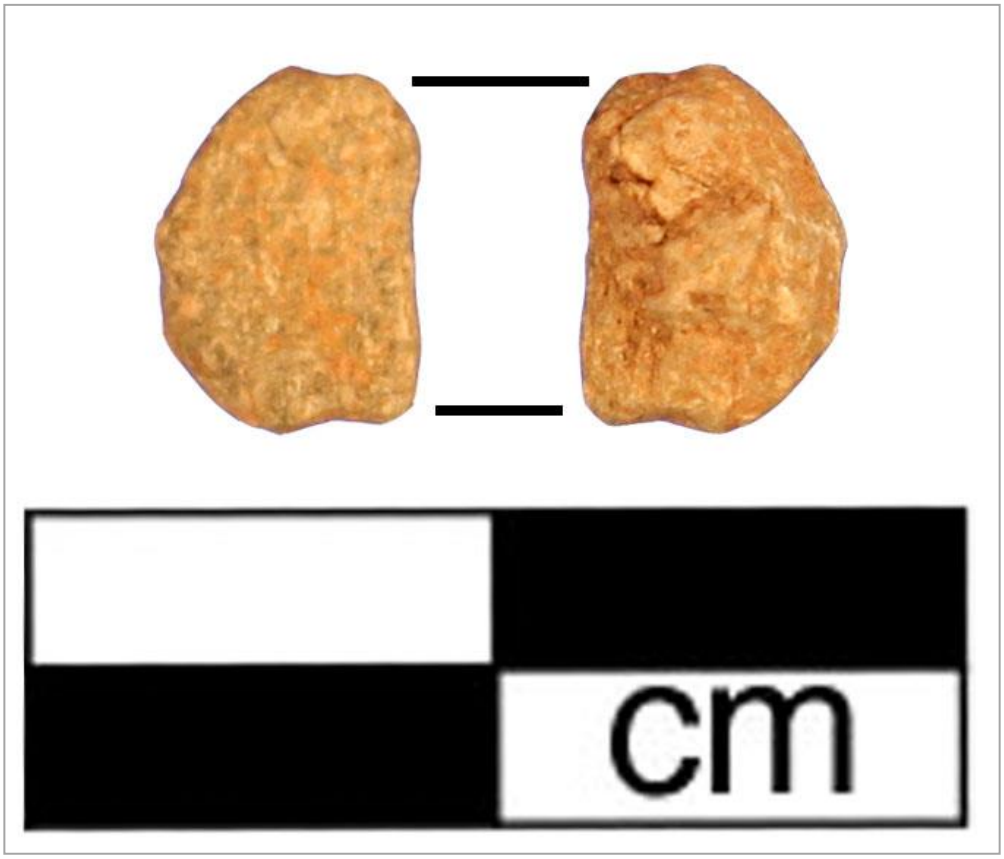
Manufacturing Stage/Process:

Level of Manufacture: Unmodified
Possible Manufacturing Method: Indistinguishable or N/A
Possible Shaping Method: Indistinguishable or N/A
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Triangular

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Polygonal
Possible Intended Final Form: Indeterminate
General Comments: Stone?



Artifact: K12-7

Recorder: JMP **Date:** 5/3/2016

Reported Provenience: Koshkonong Creek Village, 2012 Field Season, Unit 12-03,04,05,06 FF 12-06, Zone A2, Heavy Fraction >6.3 mm

Morphofunctional Designation: Fragment

Length: 13.81mm **Width:** 6.97mm **Thickness:** 0.61mm

Weight: 0.3g

Patina:

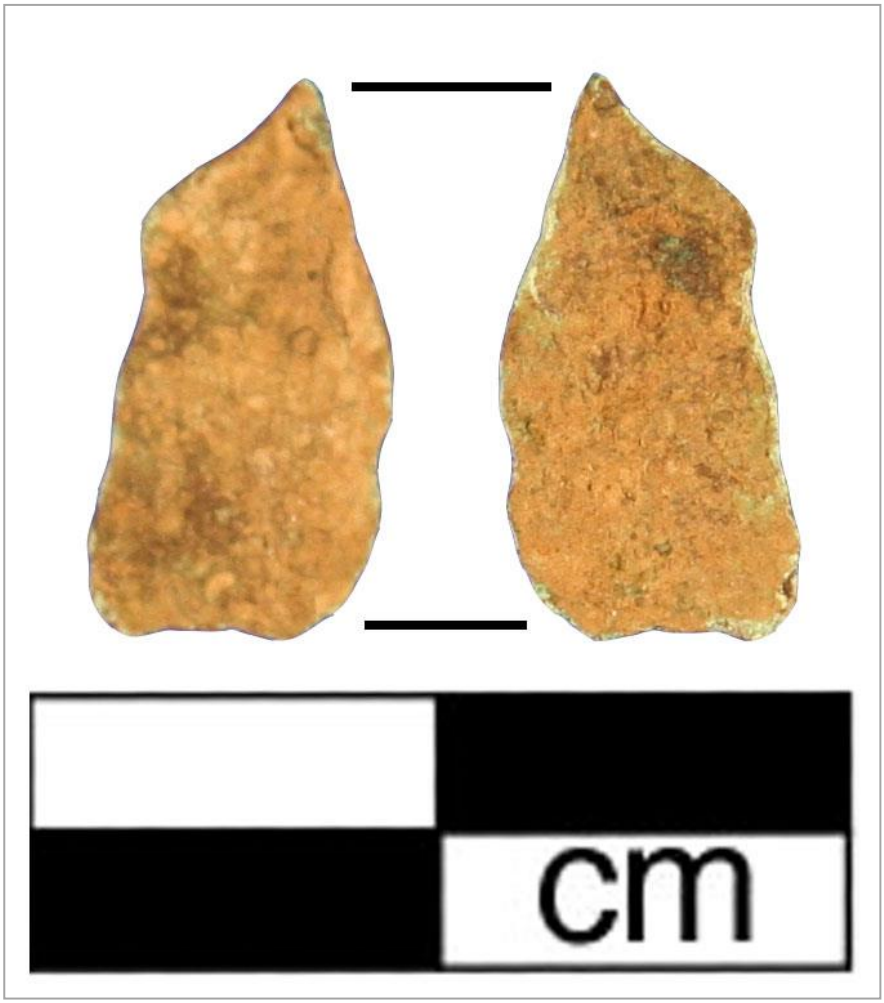
Type A: Present on 76-100% of object
Type B: Present on 51-75% of object
Type C: Not present
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout with some areas of Type B and D.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Description of Use-Wear Amount/Location: Edges are worn with some nicks. Side with more accretions may have striations running longitudinally.

Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:

Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present



Manufacturing Stage/Process:

Level of Manufacture: Moderately refined manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Triangular
Possible Intended Final Form: Pendant
General Comments:

Artifact: K12-8

Recorder: JMP **Date:** 5/3/2016

Reported Provenience: Koshkonong Creek Village, 2012 Field Season, Unit 12-01,02,03,04, FF 12-01, Zone H, Heavy Fraction >6.33mm

Morphofunctional Designation: Fragment

Length: 15.13mm **Width:** 5.21mm **Thickness:** 0.72mm

Weight: 0.3g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 51-75% of object
Type C: Not present
Type D: Present on 51-75% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and B throughout with areas of Type D. Accretions are thick in some points.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Edges are irregular and long edges are slightly curved in the same direction. Possibly a bead that has broken in half? Cracks along edges and thick patina on interior, possibly from use? Flatter edges has dents/ripples running along it and may have some polish.

Manufacturing Stage/Process:

Level of Manufacture: Roughly manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Oval
Possible Intended Final Form: Bead
General Comments: Bead that has broken in half? Noted as a fragment in the following sections.

Artifact: K12-9

Recorder: JMP **Date:** 5/3/2016

Reported Provenience: Koshkonong Creek Village, 2012 Field Season, Unit 12-01,02,03,04, FF 12-01, Zone H, Heavy Fraction >6.33mm

Morphofunctional Designation: Fragment

Length: 5.14mm **Width:** 3.13mm **Thickness:** 3.39mm

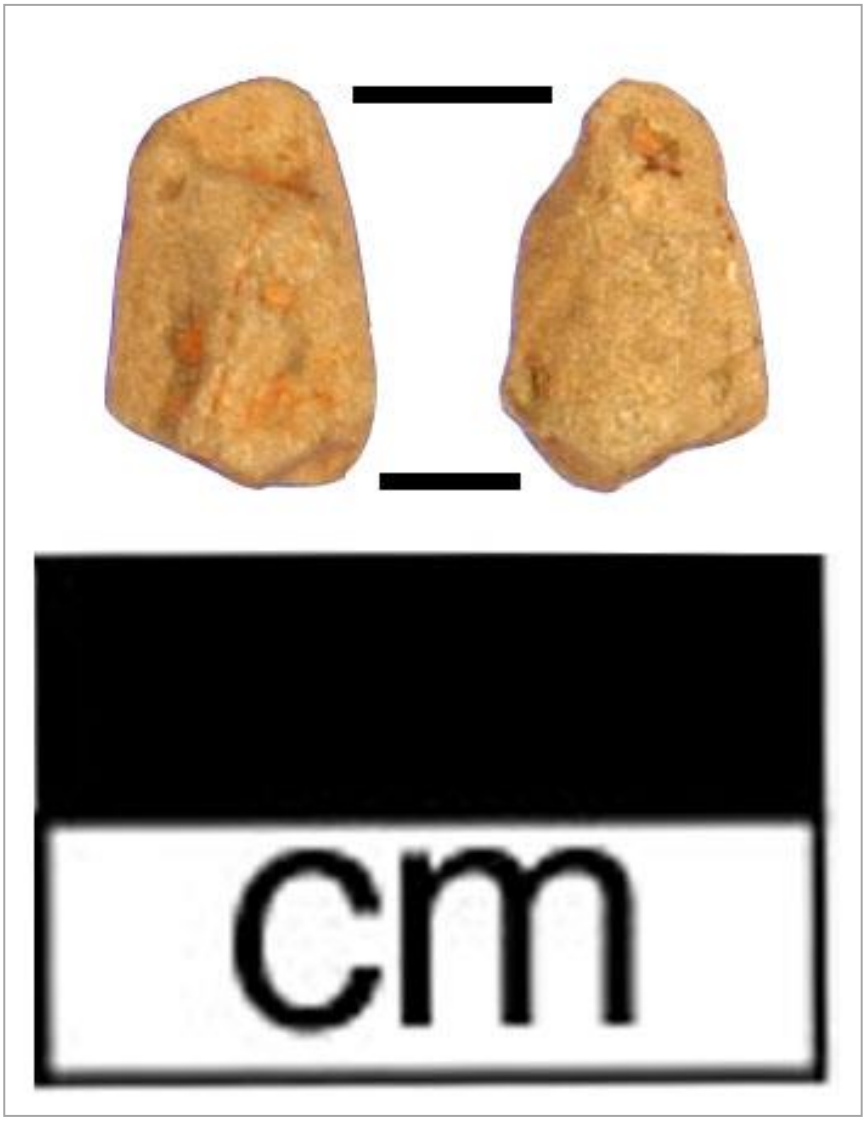
Weight: 0.1g

Patina:

Type A: Present on 76-100% of object
Type B: Not present
Type C: Not present
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A throughout with some Type D. Accretions are thin.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Description of Use-Wear Amount/Location: Some pits throughout object and it is smoothed. Possibly a rock?
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present



Manufacturing Stage/Process:

Level of Manufacture: Unmodified
Possible Manufacturing Method: Indistinguishable or N/A
Possible Shaping Method: Indistinguishable or N/A
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Polygonal

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Square
Possible Intended Final Form: Indeterminate
General Comments: Stone?

Artifact: K12-10

Recorder: JMP **Date:** 9/29/2016

Reported Provenience: Koshkonong Creek Village, 2012 Field Season, FF12-01, Zone I, Heavy Fraction

Morphofunctional Designation: Fragment

Length: 3.26mm **Width:** 2.98mm **Thickness:** 0.3mm

Weight: <0.1g

Patina:

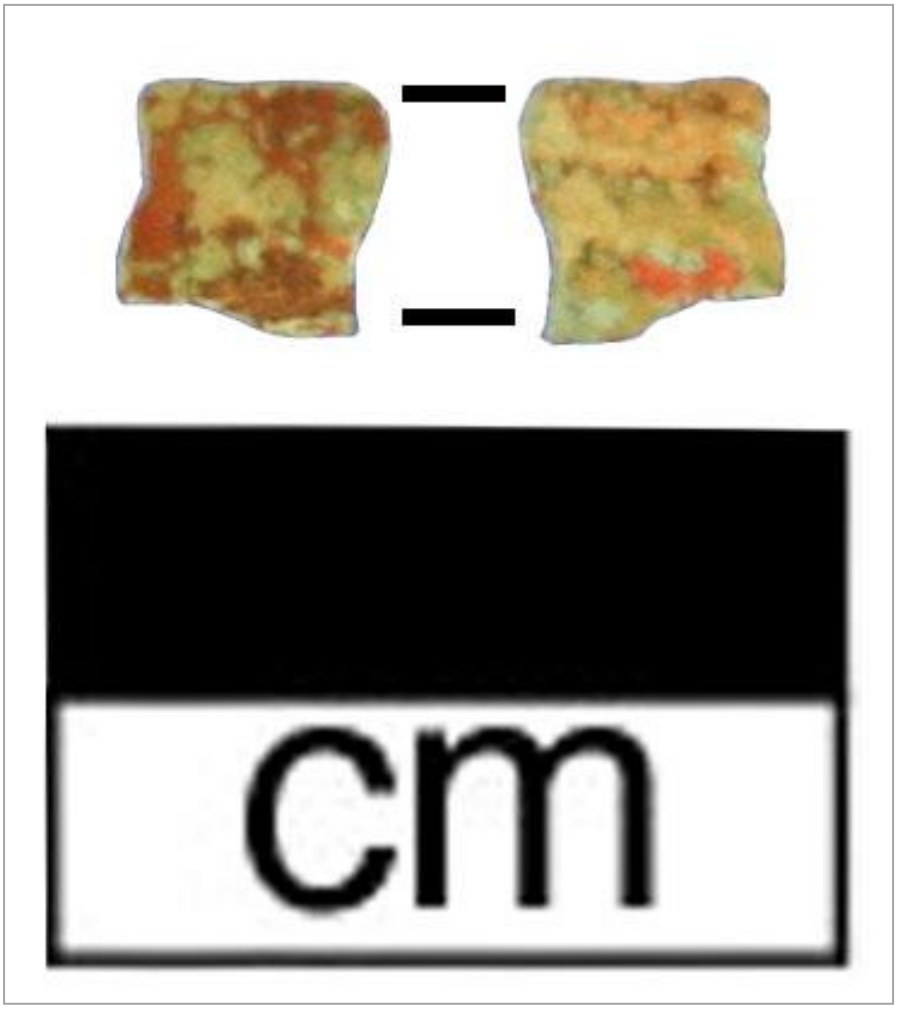
Type A: Present on 76-100% of object
Type B: Present on 76-100% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and B throughout with some accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Description of Use-Wear Amount/Location: One corner bent upwards with an adjacent side also slightly bent in the same direction. Nicked edges. Fragment is too small to observe any striations or incisions on surface.

Smoothing:
Pre-Use: Present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Present

Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present



Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Square
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: K12-11

Recorder: JMP **Date:** 9/29/2016

Reported Provenience: Koshkonong Creek Village, 2012 Field Season, FF12-01, Zone I, Heavy Fraction

Morphofunctional Designation: Fragment

Length: 3.67mm **Width:** 2.83mm **Thickness:** 0.71mm

Weight: <0.1g

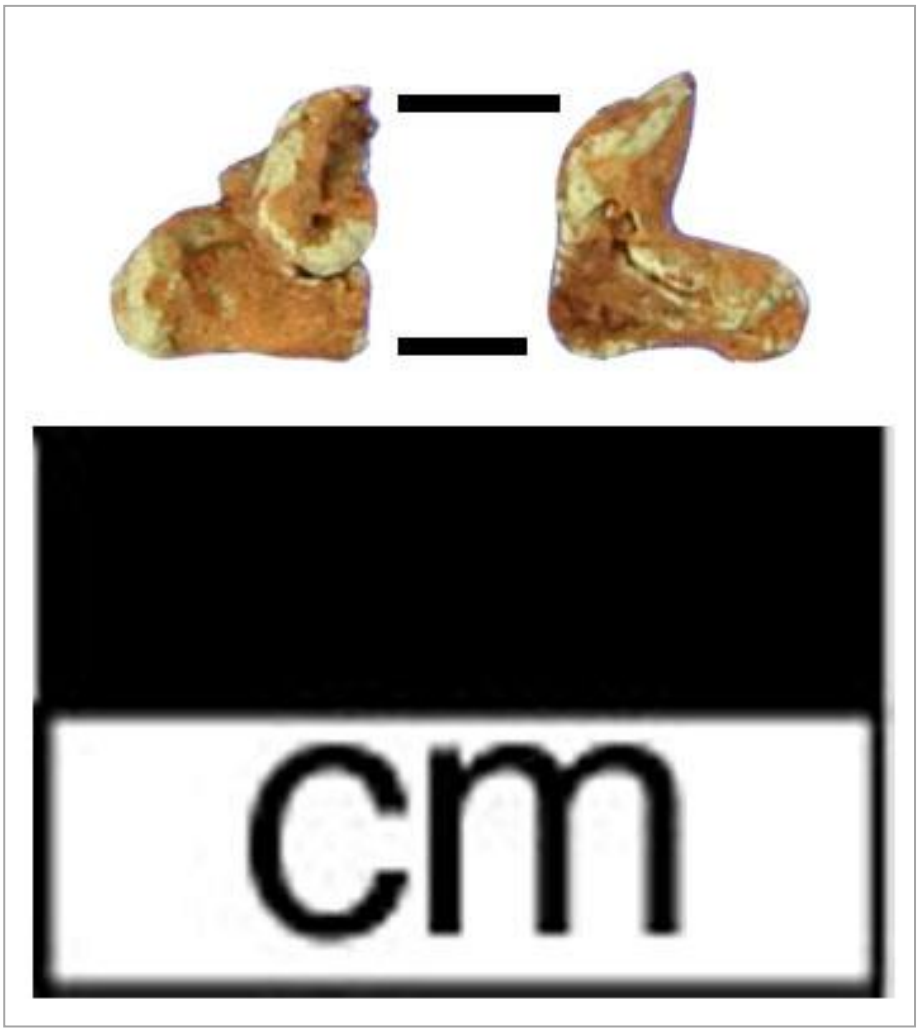
Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Not present
Type E: Present on 76-100% of object
Accretions: Present on 76-100% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A along edges and accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Distorted fragment folded upon itself. Fragment is too small to observe any striations or incisions on surface



Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Indistinguishable or N/A

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Triangular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: K12-12

Recorder: JMP **Date:** 9/29/2016

Reported Provenience: Koshkonong Creek Village, 2012 Field Season, FF12-06, Zone O, Heavy Fraction 2-6.3mm

Morphofunctional Designation: Fragment

Length: 6.36mm **Width:** 2.34mm **Thickness:** 1.53mm

Weight: <0.1g

Patina:

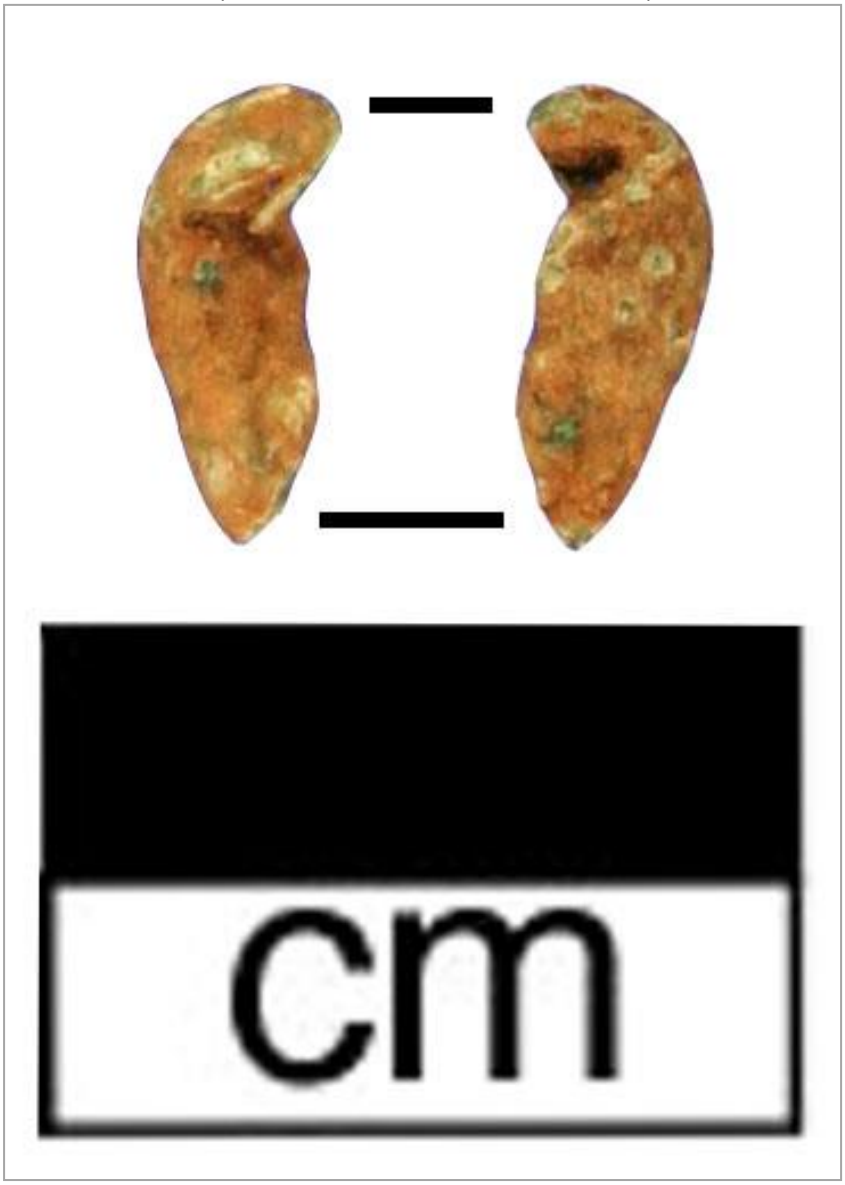
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A throughout with some accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Description of Use-Wear Amount/Location: Very small fragment. Appears to be unused.

Recent:
Cleaned: Not present

Reuse: Not present
Curation: Not present



Manufacturing Stage/Process:

Level of Manufacture: Unmodified
Possible Manufacturing Method: Indistinguishable or N/A
Possible Shaping Method: Indistinguishable or N/A
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Oval
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: K12-13

Recorder: JMP **Date:** 9/29/2016

Reported Provenience: Koshkonong Creek Village, 2012 Field Season, FF12-06, Zone O, Heavy Fraction 2-6.3mm

Morphofunctional Designation: Fragment

Length: 4.59mm **Width:** 2.01mm **Thickness:** 1.71mm

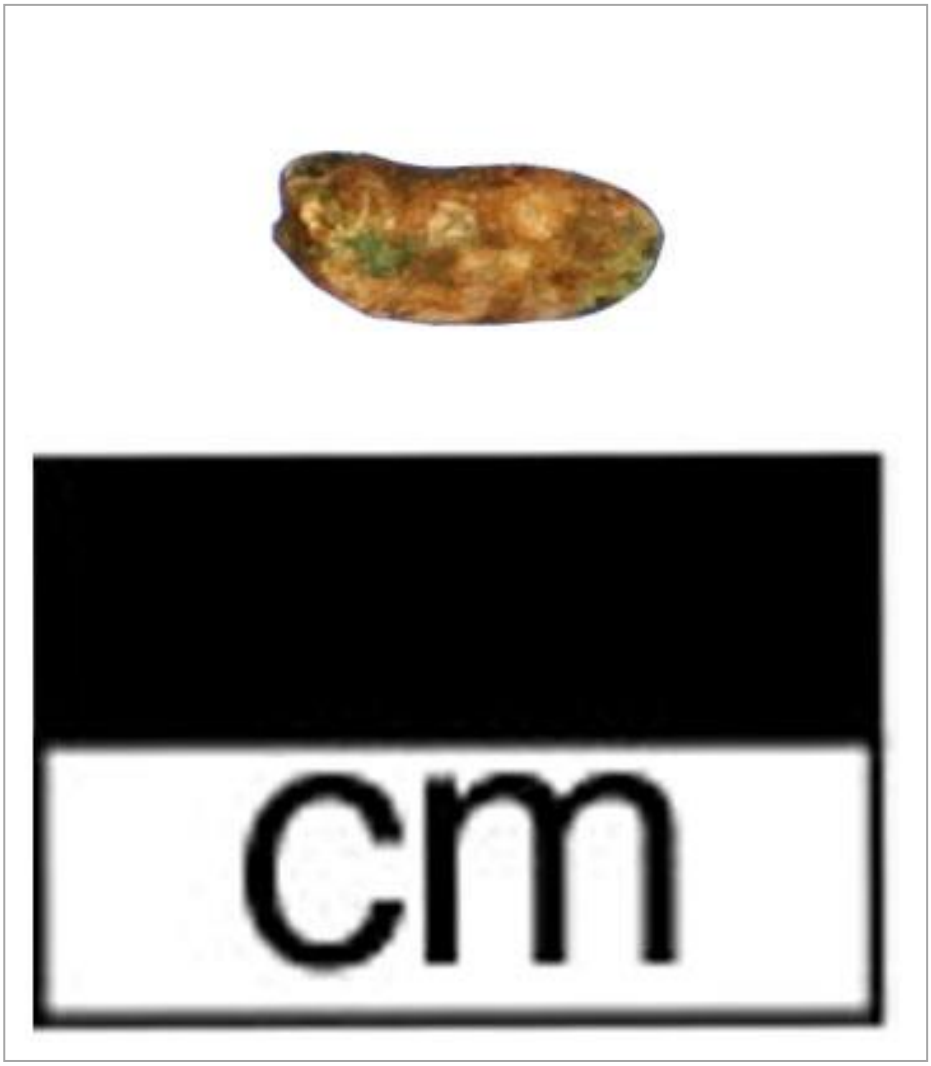
Weight: <0.1g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A throughout with some accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Very small fragment. Appears to be unused.



Manufacturing Stage/Process:

Level of Manufacture: Unmodified
Possible Manufacturing Method: Indistinguishable or N/A
Possible Shaping Method: Indistinguishable or N/A
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Oval
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: K14-3

Recorder: JMP **Date:** 5/3/2016

Reported Provenience: Koshkonong Creek Village, 2014 Field Season, Unit 14-01, FF 14-18, Zone C

Morphofunctional Designation: Fragment

Length: 20.12mm **Width:** 3.97mm **Thickness:** 0.68mm

Weight: 0.4g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Not present
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
- **Mushrooming/Splaying:** Present
- **Cracking:** Present
- **Bending:** Present

Striations: Not present
Incisions: Present
Smoothing:
- **Pre-Use:** Not present
- **Use:** Not present
- **Incidental:** Not present

Loss:
- **Broken Piece:** Present
- **Nicks:** Present

Retooling:
- **Resharpened:** Not present
- **Repaired:** Not present

Description of Use-Wear Amount/Location: Object is contorted. Cracks along edges. An incision appears to run transversely across concave side of thicker end and on opposite side of this end.

Recent:
Cleaned: Not present

Reuse: Not present
Curation: Not present

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: K14-4

Recorder: JMP **Date:** 5/3/2016

Reported Provenience: Koshkonong Creek Village, 2014 Field Season, Unit 14-01-02, FTF-05

Morphofunctional Designation: Fragment

Length: 13.64mm **Width:** 12.15mm **Thickness:** 0.43mm

Weight: 0.4g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 26-50% of object
Type C: Not present
Type D: Present on 51-75% of object
Type E: Not present

Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object

Total Surface Area with Patina/Corrosion: Present on 76-100% of object

Location of Patina/Corrosion: Type A and accretions throughout with areas of Types B and D.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present

Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present

Loss:
Broken Piece: Present
Nicks: Present

Retooling:
Resharpened: Not present
Repaired: Not present

Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Two corners are bent in the same direction. Striations/incisions appear to run longitudinally on one side. Possible polish on this same side. Edges are irregular and possibly worn. Cracks throughout body from fold over hammered manufacturing.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present

Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Polygonal
Possible Intended Final Form: Pendant
General Comments: Possibly a pendant fragment? Noted as a fragment.

Artifact: K14-5

Recorder: JMP **Date:** 5/3/2016

Reported Provenience: Koshkonong Creek Village, 2014 Field Season, Unit 14-01, Level 02, FTF 14-18

Morphofunctional Designation: Fragment

Length: 13.88mm **Width:** 9.98mm **Thickness:** 0.93mm

Weight: 0.3g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 76-100% of object
Type C: Not present
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and B throughout with accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Longest edge is sharply bent. Crack/incision through center of concave side. Possible striations running perpendicular to edge adjacent to flared edge that is slightly rounded. Across from this edge is another with a protruding tab that is bent. Edges are worn with nicks.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Square
Possible Intended Final Form: Pendant
General Comments:

Artifact: K14-6

Recorder: JMP **Date:** 5/3/2016

Reported Provenience: Koshkonong Creek Village, 2014 Field Season, Unit 14-01, Level 02, FTF 14-18

Morphofunctional Designation: Fragment

Length: 11.47mm **Width:** 6.43mm **Thickness:** 1mm

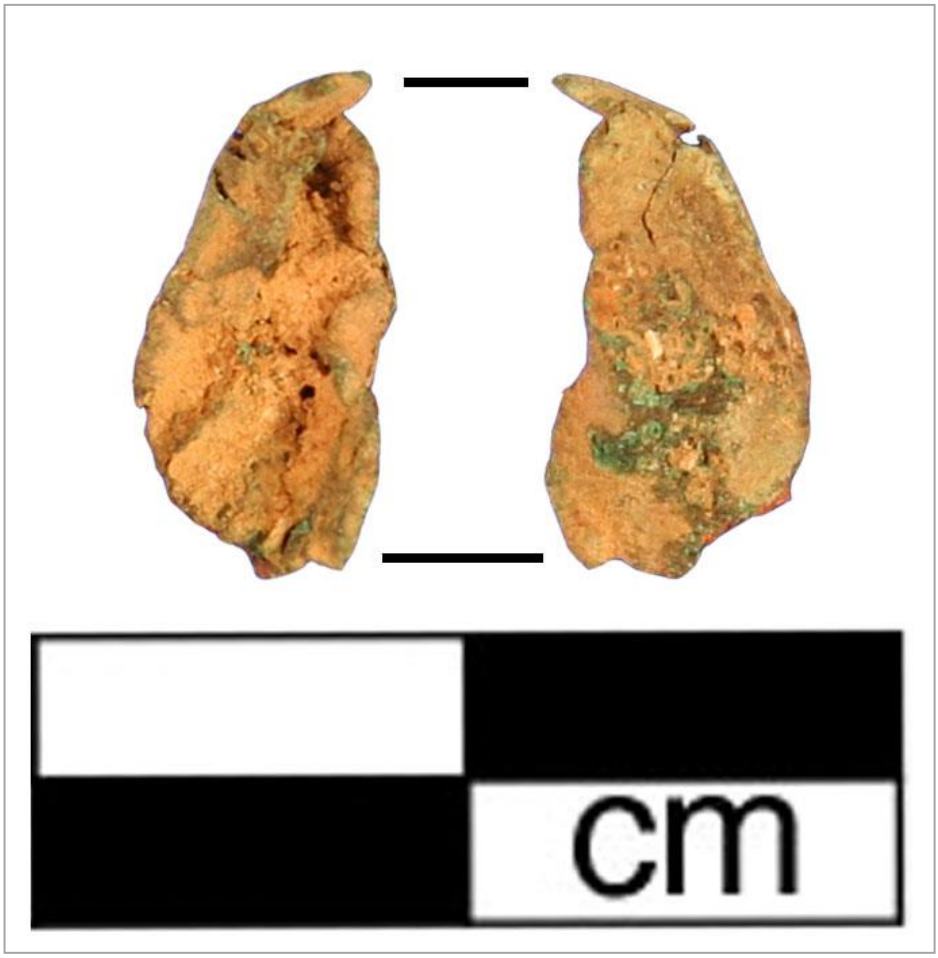
Weight: 0.3g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 26-50% of object
Type C: Not present
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A and accretions throughout with areas of Types B.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Object is contorted. Cracks and layers throughout. Edges may be worn and have nicks. Possibly a contorted bead? Some edges are bent inward.



Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): M

Comments:

General Shape: Irregular
Possible Intended Final Form: Indeterminate
General Comments: Possibly a distorted bead? Noted as a fragment.

Artifact: S-1

Recorder: JMP **Date:** 7/3/2016

Reported Provenience: Schmeling, Schmeling Collection **Morphofunctional Designation:** Fragment

Length: 119.79mm **Width:** 100.51mm **Thickness:** 5.08mm

Weight: 275g

Patina:

Type A: Present on 1-25% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 26-50% of object
Type E: Present on 1-25% of object
Accretions: Present on 26-50% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C throughout with Type D in recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Some scratches/incisions on surface of fragment, possibly from manufacture or from excavation/plowing. Edges show many layers, some that are splayed upward. One side is bent at a rather sharp angle to rest of the fragment's body. Some edges appear to be smoothed and perhaps have some polish. Surface of fragment may also have polish from smoothing.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: S-8

Recorder: JMP **Date:** 7/3/2016

Reported Provenience: Schmeling, Schmeling Collection **Morphofunctional Designation:** Fragment

Length: 21.1mm **Width:** 19.01mm **Thickness:** 0.86mm

Weight: 1.8g

Patina:

Type A: Present on 26-50% of object
Type B: Not present
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Not present
Pitting: Not present
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C throughout with some areas of Type A. Type D along cracks and recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Smoothed blank. May have been used? Fits nicely between two index fingers and bends around thumb. Two ends are smoothed. Surface is smooth. One crack on corner of wide edge, probably from manufacture. Waves/striations running perpendicular to widest edge? Blank is bent slightly perpendicular to widest edge.

Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: N/A

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Triangular
Possible Intended Final Form: Other
General Comments: Intended to be a bead or could possibly have been used as a scraper?

Artifact: S-11

Recorder: JMP **Date:** 7/3/2016

Reported Provenience: Schmeling, Schmeling Collection **Morphofunctional Designation:** Fragment

Length: 20.97mm **Width:** 22.16mm **Thickness:** 3.69mm

Weight: 6g

Patina:

Type A: Present on 1-25% of object
Type B: Not present
Type C: Present on 76-100% of object
Type D: Present on 51-75% of object
Type E: Present on 1-25% of object
Accretions: Present on 1-25% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C throughout with some areas of Type A. Type D along cracks and recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Incisions running across one side of object, mostly concentrated near corner that may have broken off and is slightly splayed. Longer side (hypotenuse of triangular shape) has much splaying/bending damage and may have been used. Slight smoothing along two of the shorter sides. waves and dents along edges, one point slightly bent, incision across object on one side

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Triangular
Possible Intended Final Form: Other
General Comments: Possibly used as a tool? Noted in the fragment section that follows since this is the closest category to its shape

Artifact: S-13

Recorder: JMP **Date:** 7/3/2016

Reported Provenience: Schmeling, Schmeling Collection **Morphofunctional Designation:** Fragment

Length: 15.29mm **Width:** 13.35mm **Thickness:** 0.53mm

Weight: 0.3g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A throughout with some areas of Type C and D.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Present
Description of Use-Wear Amount/Location: Irregular surface with some possible striations possibly from disposal or curation. Cracks also appear on body from manufacture and nicks along edges could be losses or this could just be the original shape of the fragment.

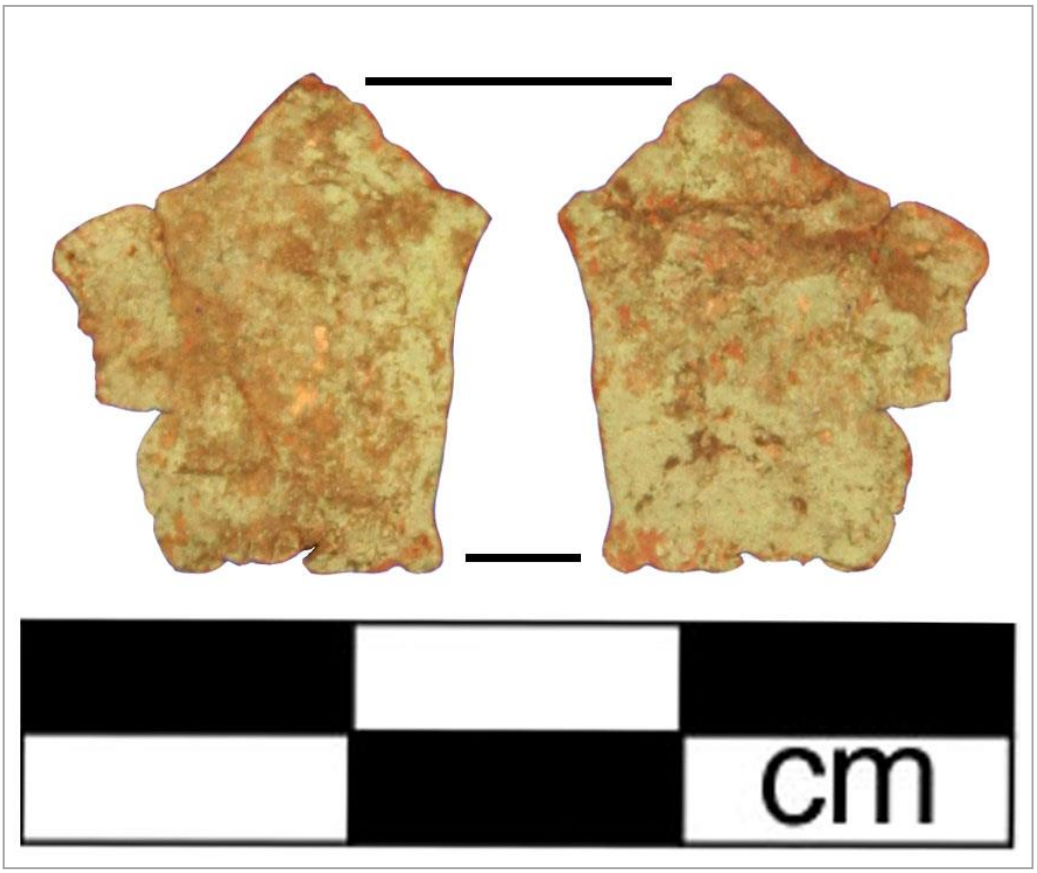
Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Square
Possible Intended Final Form: Indeterminate
General Comments:



Artifact: S-14

Recorder: JMP **Date:** 7/3/2016

Reported Provenience: Schmeling, Schmeling Collection **Morphofunctional Designation:** Fragment

Length: 38.99mm **Width:** 8.38mm **Thickness:** 0.77mm

Weight: 1.4g

Patina:

Type A: Present on 76-100% of object
Type B: Not present
Type C: Present on 26-50% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A throughout with some areas of Type C and D.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Not present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Description of Use-Wear
Amount/Location: Two possible incisions on one side following body longitudinally, may also be deeper cracks from manufacture. Cracks throughout body. End are very irregular. Body seems to be very smooth and polished from use or manufacture.

Recent:
Cleaned: Not present

Reuse: Not present
Curation: Not present

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Square
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: S-15

Recorder: JMP **Date:** 7/3/2016

Reported Provenience: Schmeling, Schmeling Collection **Morphofunctional Designation:** Fragment

Length: 13.77mm **Width:** 12.96mm **Thickness:** 3.51mm

Weight: 2.3g

Patina:

Type A: Present on 51-75% of object
Type B: Present on 1-25% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 1-25% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type A mostly on one side with areas of Type D and on other side there is mostly Type D with areas of Type A. Type A along edges and Type D along recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Two sides are sharply flattened with relatively sharp corners/edges and splay into one direction, possibly from being jammed into a mold? Two deep incisions on one edge opposite flattened sides. Additional incisions/striations on another side opposite flattened sides. One rounded area on edge opposite flat edges that may be from manufacturing process or might be a nick that extends into body of piece.

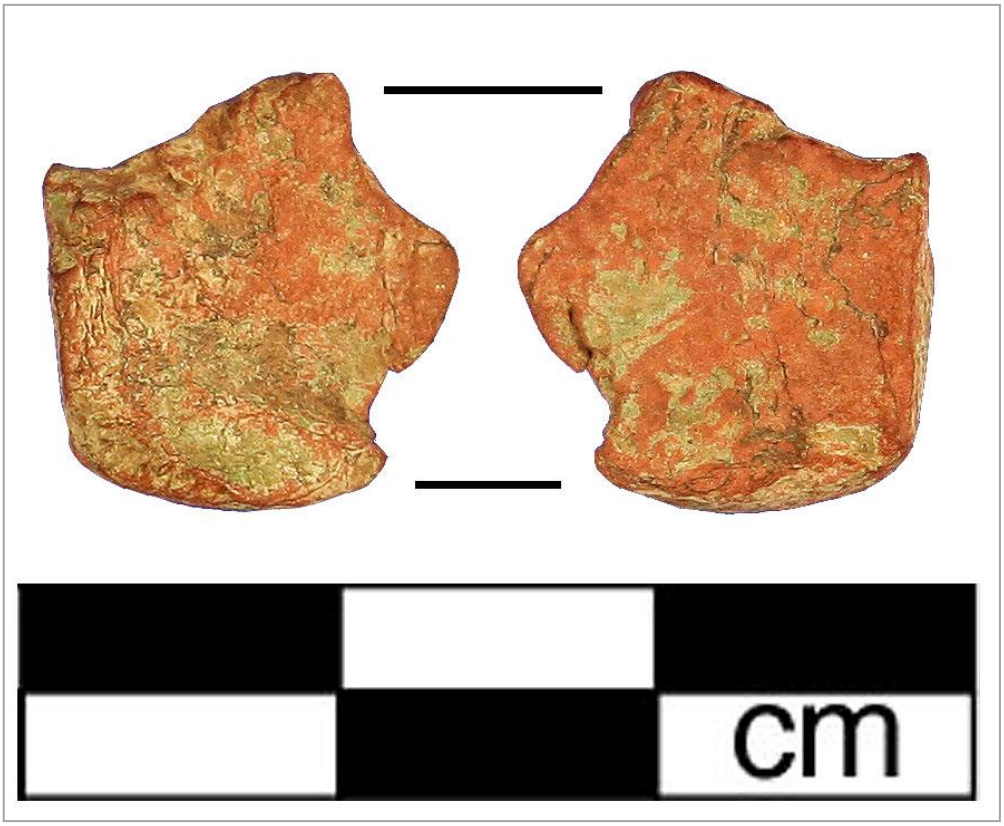
Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Other
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Square
Possible Intended Final Form: Indeterminate
General Comments: Pressed into mold?



Artifact: S-16

Recorder: JMP **Date:** 7/3/2016

Reported Provenience: Schmeling, Schmeling Collection **Morphofunctional Designation:** Fragment

Length: 22.18mm **Width:** 20.29mm **Thickness:** 0.84mm

Weight: 1.5g

Patina:

Type A: Present on 51-75% of object
Type B: Not present
Type C: Not present
Type D: Present on 51-75% of object
Type E: Present on 51-75% of object
Accretions: Present on 26-50% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type E throughout with areas of Types A and D and accretions.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Not present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Blank is slightly convex. One edge is cut very straight. Edge across from this has large nick with a broken splayed fragment. Striations and incisions run throughout the piece with deepest incisions running parallel to straight edge on convex side of piece.

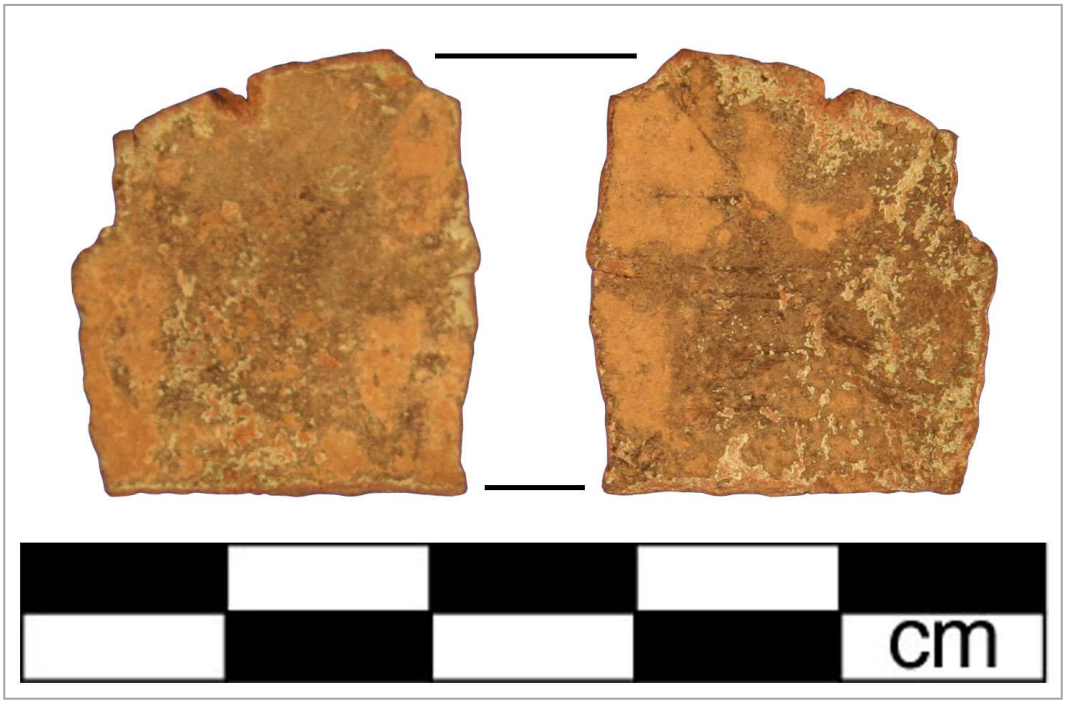
Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Possibly cut from copper or brass kettle
Possible Shaping Method: Cut from blank
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Oval
Possible Intended Final Form: Bead
General Comments: Brass?



Artifact: S-17

Recorder: JMP **Date:** 7/3/2016

Reported Provenience: Schmeling, Schmeling Collection **Morphofunctional Designation:** Fragment

Length: 37.47mm **Width:** 16.88mm **Thickness:** 1.37mm

Weight: 3.3g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 51-75% of object
Type E: Not present
Accretions: Present on 51-75% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C and accretions/pitting throughout with areas of Type D.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Large portion of one side is rolled over and smashed into body and a small portion on the opposite side is rolled over and pressed into the body as well. Edges look like they were cut and possibly hammered to make thinner.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Square
Possible Intended Final Form: Indeterminate
General Comments:

Artifact: S-18

Recorder: JMP **Date:** 7/3/2016

Reported Provenience: Schmeling, Schmeling Collection **Morphofunctional Designation:** Fragment

Length: 14.18mm **Width:** 12.02mm **Thickness:** 0.47mm

Weight: 0.3g

Patina:

Type A: Present on 1-25% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 1-25% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C throughout with small areas of Type A. Type D along cracks/recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Flatter edge slightly flared. Small nicks along edges.

Manufacturing Stage/Process:

Level of Manufacture: Some modification
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Irregular
Possible Intended Final Form: Indeterminate
General Comments: Part of a sword-shaped pendant?

Artifact: S-19

Recorder: JMP **Date:** 7/3/2016

Reported Provenience: Schmeling, Schmeling Collection **Morphofunctional Designation:** Fragment

Length: 23.17mm **Width:** 16.82mm **Thickness:** 0.84mm

Weight: 0.9g

Patina:

Type A: Present on 1-25% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 1-25% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C throughout with small areas of Type A. Type D along cracks/recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Present
Bending: Not present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: One of the longest edges with the two nicks has polish/discoloration as well as the tip of this fragment. Other straight edge appears to have slight polish/discoloration as well. Cracks throughout body and irregular surface are signatures to fold over hammering manufacture.

Manufacturing Stage/Process:

Level of Manufacture: Prepared blank
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M= Maybe; N = No): N

Comments:

General Shape: Triangular
Possible Intended Final Form: Other
General Comments: Triangular. With polish along one edge, it seems to have been used as a tool. Noted as a fragment in the following sections since it appears to be a utilized fragment.

APPENDIX G:
TINKLER CONES OF THE CRABAPPLE POINT, CRESCENT BAY HUNT CLUB, SCHMELING, AND KOSHKONONG CREEK VILLAGE SITES

Artifact: S-22

Recorder: JMP **Date:** 7/3/2015

Reported Provenience: Schmeling, Schmeling Collection **Morphofunctional Designation:** Tinkler Cone

Length:
Full: 29.13mm
Seam: 29.00mm
Side Opposite Seam: 28.76mm

Width:
Top: 3.68mm
Base: 9.30mm
Top Orifice: 2.67mm
Bottom Orifice: 8.37mm

Thickness:
Rolled Over Side: 0.39mm
Side Opposite Seam: 0.45mm

Weight: 1.8g

Patina:

Type A: Present on 26-50% of object
Type B: Not present
Type C: Not present
Type D: Not present
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 51-76% of object
Location of Patina/Corrosion: Type A throughout, especially on rolled over and under sides and lower half of side opposite seam.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Resharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: One deep incision near center of cone on side opposite of seam running perpendicular to cone base. Numerous smaller incisions and some small incisions perpendicular to cone base. Upper cone edge slightly worn with use.

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Possibly cut from coppper or brass kettle
Possible Shaping Method: Cut from blank and rolled, boxy

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): N

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Squared
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Smoothed
Special Shape: No special shape
Seam Alignment: Flush
General Comments: Brass?

Artifact: S-23

Recorder: JMP **Date:** 7/3/2015

Reported Provenience: Schmeling, Schmeling Collection **Morphofunctional Designation:** Tinkler Cone

Length:
Full: 38.16mm
Seam: 36.04mm
Side Opposite Seam: 32.92mm

Width:
Top: 3.18mm
Base: 15.64mm
Top Orifice: 1.81mm
Bottom Orifice: 14.27mm

Thickness:
Rolled Over Side: 0.68mm
Side Opposite Seam: 0.56mm

Weight: 5.1g

Patina:

Type A: Present on 1-25% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Not present
Type E: Present on 51-75% of object
Accretions: Present on 76-100% of object
Pitting: Not present
Total Surface Area with Patina/Corrosion: Present on 1-25% of object

Location of Patina/Corrosion: Type A along lower edges and on left side. Type C along rolled under side seam edge. Cone is dulled and has possible layer of thin accretion throughout. Type E covers the interior of the cone.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Present

Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present

Loss:
Broken Piece: Not present
Nicks: Not present

Retooling:
Resharpened: Not present
Repaired: Not present

Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Rather deep incision in middle of the cone running mostly parallel to the base across the seam. Another deep incision running perpendicular to base across the seam. Another deep incision running perpendicular to base on lower half of side opposite seam. Edges are slightly flared inward, probably from pressure of cutting during manufacture. Edges slightly worn from use.

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured artifact
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank and rolled, boxy

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Circular

Organic Residue Present? (Y = Yes; M = Maybe; N = No): M – caught in small side of cone?

Comments:

Bead Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Flared
Amount of Overlap of Seam Sides: 1-90 degrees
Rolled Under Seam Edge: Pinched
Special Shape: No special shape
Seam Alignment: Askew
General Comments: Brass?

APPENDIX H:
UNIQUE COPPER ARTIFACTS OF THE CRABAPPLE POINT, CRESCENT BAY HUNT CLUB, SCHMELING, AND KOSHKONONG CREEK VILLAGE SITES

Artifact: BSB-5

Recorder: JMP **Date:** 9/28/2016

Reported Provenience: Crabapple Point, Bussey Collection **Morphofunctional Designation:** Other

Length:
Full: 15.78mm
Seam: 13.99mm
Side Opposite Seam: 10.53mm

Width:
Maximum: 12.99mm
Top Orifice: 5.84mm
Bottom Orifice: 8.61mm

Thickness:
Rolled Over Side: 0.93mm
Side Opposite Seam: 1.25mm

Weight: 3.3g

Patina:
Type A: Present on 51-75% of object
Type B: Present on 26-50% of object
Type C: Present on 51-75% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types A and C throughout with thin accretions.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Lower edge is slightly bent inward. Object is slightly distorted and crushed.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Other
Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Oval

Organic Residue Present? (Y= Yes; M = Maybe; N = No): Y – Leather or rawhide

Comments:
Edges: Cleanly cut
Shape of Rolled Over Seam Edge: Irregular
Amount of Overlap of Seam Edge: 360+ degrees
Seam Alignment: Askew
General Comments: Coiled piece with leather or rawhide affixed to its center. Noted in bead section since it has similar characteristics.

Artifact: C02-1

Recorder: JMP **Date:** 5/3/2016

Reported Provenience: Crescent Bay Hunt Club, 2002 Field Season, Feature 02-10, #1

Morphofunctional Designation: Other

Length:
Maximum: 62.04mm

Width:
Center of body: 11.63mm
End 1: 11.10mm
End 2: 9.59mm

Thickness:
Center of body: 5.35mm
End 1: 0.77mm
End 2: 2.29mm

Weight: 22.9g

Patina:
Type A: Present on 76-100% of object
Type B: Present on 1-25% of object
Type C: Present on 1-25% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Accretions and Types A and B throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Not present
Cracking: Not present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Reharpened: Present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Very deep incisions running parallel to pointed edge from tip until about 10mm from edge. There is also thick polish in this area. Pointed edge is still relatively sharp and is slightly more worn on one half. Possibly resharpened? Squared end may show signs of battering. Large dent in one half and edge is irregular. Striations/incisions throughout. Possibly decorated with incisions. Object may have cross-hatches or deep incisions at pointed edge may be decorative?

Manufacturing Stage/Processes:
Level of Manufacture: Finely manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Ground

Decorations Present: Possibly present
Decoration Description (if present): Incisions throughout
Cross-Section Shape: Square

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:
Edges:
Pointed: Present
Tapered: Not present
Flattened: Present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 46-75 degrees
General Comments: Adze-like. Noted in the awl section since that category has the same attributes needing documentation.

Artifact: C02-2

Recorder: JMP **Date:** 5/3/2016

Reported Provenience: Crescent Bay Hunt Club, 2002 Field Season, Feagure 02-25, #1

Morphofunctional Designation: Other

Length:
Maximum: 41.37mm

Width:
Center of body: 3.41mm
End 1: 1.07mm
End 2: 1.04mm

Thickness:
Center of body: 3.37mm
End 1: 0.42mm
End 2: 0.70mm

Weight: 1.8g

Patina:
Type A: Present on 1-25% of object
Type B: Present on 1-25% of object
Type C: Present on 26-50% of object
Type D: Present on 51-75% of object
Type E: Not present
Accretions: Present on 76-100% of object
Pitting: Present on 76-100% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Thick accretions and deep pitting throughout.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Not present
Use: Not present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: End 2 is splayed and possibly broken. End 1 is bent with many cracks at the tip. Awl is bent and curves up to End 1. Striations/cracks throughout body from fold over hammered manufacturing. Some deeper incisions running transverse to awl body near End 1.

Manufacturing Stage/Processes:
Level of Manufacture: Roughly manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Not present
Decoration Description (if present):
Cross-Section Shape: Circular

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:
Edges:
Pointed: Present
Tapered: Not present
Flattened: Not present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 0-45 degrees
General Comments: Previously identified as a fish hook, noted in the awl section to document similar characteristics. End 1 is end with curve.

Artifact: S-6

Recorder: JMP **Date:** 7/3/2016

Reported Provenience: Schmeling, Schmeling Collection **Morphofunctional Designation:** Other

Length:
Maximum: 71.84mm

Width:
Center of body: 20.44mm
End 1: 13.15mm
End 2: 15.12mm

Thickness:
Center of body: 7.76mm
End 1: 1.45mm
End 2: 3.15mm

Weight: 67.2g

Patina:

Type A: Present on 26-50% of object
Type B: Present on 1-25% of object
Type C: Present on 76-100% of object
Type D: Present on 26-50% of object
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 51-75% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C throughout with Type D in recesses.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Not present
Incisions: Not present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present

Description of Use-Wear Amount/Location: Pointed end of adze appears to have been smashed on one side, causing the edge to ripple into a "U" shape. Opposite, flattened end has crack that starts in center of edge and runs longitudinally along center of adze halfway to center of object. Each side of this crack is slightly splayed outward. Surface has many smaller cracks and layers, but this appears to be from fold over hammered manufacturing. Polish on pointed edge and along one side near this edge. Pointed edge also has a few nicks and cracks along edge. Squared edge appears to also have some slight polish and there is a square-shaped, deep impression on its edge that spans the crack. Slight impression running diagonally across adze body near center accompanied with some polish. Following the direction and location of this impression on the opposite side is a line of polish. Probably from hafting?

Manufacturing Stage/Processes:

Level of Manufacture: Moderately refined manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered
Decorations Present: Not present

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Decoration Description (if present):
Cross-Section Shape: Square

Comments:

Edges:
Pointed: Present
Tapered: Not present
Flattened: Present
Splayed: Not present
Broken: Not present

Angle of Pointed Edge: Greater than 75 degrees

General Comments: Adze-like. Noted in the awl section since that category has the same attributes needing documentation. Slight impression running diagonally across adze body near center accompanied with some polish. Following the direction and location of this impression on the opposite side is a line of polish. Probably from hafting?

Artifact: S-7

Recorder: JMP **Date:** 7/3/2016

Reported Provenience: Schmeling, Schmeling Collection **Morphofunctional Designation:** Other

Length:
Maximum: 62.66mm

Width:
Center of body: 3.22mm
End 1: 0.64mm
End 2: 1.86mm

Thickness:
Center of body: 3.06mm
End 1: 0.64mm
End 2: 1.86mm

Weight: 11.4g

Patina:

Type A: Present on 76-100% of object
Type B: Present on 76-100% of object
Type C: Present on 1-25% of object
Type D: Present on 51-75% of object
Type E: Not present
Accretions: Present on 26-50% of object
Pitting: Present on 26-50% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Types B and A throughout with Type C in recesses. Polish throughout with coloration of Type E.

Manufacturing Marks and/or Use-Wear:

Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Not present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Reharpened: Present
Repaired: Present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Present

Description of Use-Wear Amount/Location: Section of tapered edge at very tip is slightly splayed. One of the corners on the flared edge is bent. Dent in center of flared edge with layers of piece separating at this spot. Edges are smoothed with patina from use, except for flared edge which appears to have been ground/sharpened. Surface appears to have been smoothed prior to use or because of use. Crease marks running across object at one point appear to indicate that it may have been bent at one time and then straightened in prehistory or by Mr. Schmeling. Striations/incisions running perpendicular to flared edge. Incised decorations throughout that are in a cross-hatching style. Striations also run along the objects body and mostly run longitudinally.

Manufacturing Stage/Processes:

Level of Manufacture: Finely manufactured object
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Cut from blank

Decorations Present: Present
Decoration Description (if present):
Cross-Section Shape: Flat

Organic Residue Present? (Y= Yes; M = Maybe; N = No): Y – white substance caught between layers

Comments:

Edges:
Pointed: Not present
Tapered: Present
Flattened: Not present
Splayed: Present
Broken: Not present

Angle of Pointed Edge: N/A

General Comments: Mace. Noted in the awl section since that category has the same attributes needing documentation. Splayed edge is a flared edge.

Artifact: S-12

Recorder: JMP **Date:** 7/3/2016

Reported Provenience: Schmeling, Schmeling Collection **Morphofunctional Designation:** Other

Length:
Maximum: 23.50mm

Width:
Center of body: 6.91mm
End 1: 2.07mm
End 2: 5.80mm

Thickness:
Center of body: 1.68mm
End 1: 2.67mm
End 2: 1.74mm

Weight: 1.6g

Patina:
Type A: Present on 26-50% of object
Type B: Not present
Type C: Present on 76-100% of object
Type D: Present on 1-25% of object
Type E: Not present
Accretions: Present on 1-25% of object
Pitting: Present on 1-25% of object
Total Surface Area with Patina/Corrosion: Present on 76-100% of object
Location of Patina/Corrosion: Type C throughout with some areas of Type A. Type D along cracks and recesses.

Manufacturing Marks and/or Use-Wear:
Stress Damage:
Mushrooming/Splaying: Present
Cracking: Present
Bending: Not present
Striations: Present
Incisions: Present
Smoothing:
Pre-Use: Present
Use: Present
Incidental: Present
Loss:
Broken Piece: Not present
Nicks: Not present
Retooling:
Reharpened: Not present
Repaired: Not present
Recent:
Cleaned: Not present
Reuse: Not present
Curation: Not present
Description of Use-Wear Amount/Location: Two incisions running from tip to blunt edge on convex side. Decorations? Possibly formed with a mold. Smoothing along squared edges of sides and blunt edge possibly from manufacture, but more likely from hafting or handling. Indentations on convex/splayed area probably from hammering. Slight smoothing/indentation near tip on one side, perhaps indicating hafting? Tip is intact and smooth. Slight cracking throughout body appears to be evidence of folded over hammering manufacture.

Manufacturing Stage/Processes:
Level of Manufacture: Moderately refined manufactured object
Cross-Section Shape: Triangular
Possible Manufacturing Method: Folded over and cold hammered
Possible Shaping Method: Hammered

Decorations Present: Possibly present
Decoration Description (if present): Two incisions running from tip to blunt edge.

Organic Residue Present? (Y= Yes; M = Maybe; N = No): N

Comments:
Edges:
Pointed: Present
Tapered: Not present
Flattened: Present
Splayed: Not present
Broken: Not present
Angle of Pointed Edge: 0-45 degrees
General Comments: Possibly a broken projectile point or an awl with a splayed half for hafting/holding? Fits nicely in between to index fingers and thumb if intended for fine work. Documented as an awl since this is one potential function for this unique artifact.