

TYPOLOGICAL AND GEOCHEMICAL ANALYSIS OF OBSIDIAN ARTIFACTS:

A DIACHRONIC STUDY FROM

THE LOWER RÍO VERDE VALLEY, OAXACA, MEXICO

by

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Typological and Geochemical Analysis of Obsidian Artifacts: A Diachronic Study from the Lower
Río Verde Valley, Oaxaca, Mexico

Thesis directed by Professor Arthur A. Joyce

This thesis examines the acquisition and use of over 5200 obsidian artifacts throughout prehispanic times (ca. 1800 BC-AD 1522) in the lower Río Verde Valley, Oaxaca, Mexico. This research represents the first systematic study of obsidian artifacts in the region, and focuses on two aspects of the obsidian artifacts. First, I present a technological analysis of artifacts collected from primary contexts which correspond to each prehispanic period. The second part of the thesis presents a geochemical survey of obsidian acquisition through time. Results indicate that each prehispanic period of coastal Oaxaca contained multiple sets of long-distance trade networks centered on major geographical areas. Foreexample, during the Late Formative, obsidian sources from the Basin of Mexico dominated the assemblage, while in previous periods Gulf Coast sources comprised the majority. Additionally, specific technological attributes (e.g., prismatic blades, ground platforms) appear in the lower Verde at roughly the same time as the rest of Mesoamerica. This suggests that, despite being a relatively long distance from many major centers of activity throughout prehispanic times, the lower Verde was very well-informed as to the advancements in obsidian technology through time. Examining which sources were acquired through time in conjunction with changing technologies provides a greater understanding of the broader social, economic, and political patterns occurring in the region.

*To my parents,
Mike and Nancy Williams*

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Chapter 1

Introduction

Statement of Purpose

Obsidian has been a useful material for archaeologists studying interregional interaction, trade, politics, and economics in Mesoamerica since the middle of the 20th century (Ricketson 1937; see also Clark's 2003 review of obsidian studies in Mesoamerica during that century). Despite obsidian outcrops being relatively localized in the highlands of Mexico and Guatemala, obsidian was available to populations throughout prehispanic times (ca. 1800 BC-AD 1522); as such, archaeologists have found it at nearly every archaeological site in Mesoamerica.

Archaeological work has been carried out in the Lower Río Verde Valley, Oaxaca, Mexico for the past twenty-five-plus years. Despite the extensive archaeological investigations, minimal work—beyond geochemical sourcing analyses—has been done regarding the obsidian assemblages within the region (i.e., Elam 1993; Joyce et al. 1995; Levine et al. 2011; Spores 1990). Because of this, it is imperative to study those assemblages to gain a better understanding of domestic and political economies, trade networks, social connections, and daily (and possibly ritual) activities. I am interested in identifying both functional changes, specifically in regard to manufacturing processes and specific artifact attributes, and changes in obsidian sources acquired through the prehispanic period in the lower Río Verde Valley.

This thesis will synthesize previous examinations of obsidian artifacts from the lower Verde. The goals of this project are two-fold. First, I will present the first systematic inventory of obsidian artifacts collected from primary contexts in the lower Río Verde Valley. I provide a

chronological assessment of obsidian technology and source usage through time, analyzing objects from solidly dated contexts associated with each prehispanic period. Secondly, I attempt to position the lower Verde obsidian assemblage into broader spheres of Mesoamerican social interaction, politics, and interregional trade and exchange by examining which obsidian sources dominate the prehispanic lower Río Verde Valley. I want to know if the trends within obsidian artifacts in the lower Río Verde Valley (e.g., ground platforms; utilization of a particular obsidian source) mirror other regions of Mexico within each prehispanic cultural phase.

In the rest of this chapter, the geography of Mesoamerica, Oaxaca, and the lower Río Verde Valley will be discussed. The landscapes on which people lived in the past defined their relationships with contemporaneous populations, both near and far. Resource availability in different environmental settings influenced long distance trade affiliations. In order to understand patterns in the importation of obsidian from specific sources into the lower Verde, it is important to contextualize the broader cultural history of the region. In other words, understanding changing political structures and social organization, both in the lower Río Verde Valley and in Mesoamerica more generally, elucidates why certain sources of obsidian were imported during different periods. I do this by providing information on each prehispanic period in the region (Table 1.01). I summarize the prehispanic culture history of the lower Río Verde Valley to provide a background to the obsidian study. More extensive background information on each of the primary contexts from which obsidian was collected and analyzed will be presented in Chapter 4.

Table 1.01 Time periods of the lower Río Verde Valley

Period	Phase	Dates
Late Postclassic	Yucudzaa	AD 1100-1522
Early Postclassic	Yugüe	AD 800-1100
Late Classic	Yuta Tiyoo	AD 500-800
Early Classic	Coyuche	AD 250-500
Late Terminal Formative	Chacahua	AD 100-250
Early Terminal Formative	Miniyua	150 BC-AD 100
Late Formative	Minizundo	400-150 BC
Late Middle Formative	Charco	700-400 BC
Early Middle Formative	-	Undefined
Early Formative	-	ca. 1900-850 BC

Geography of Mesoamerica, Oaxaca, and the lower Río Verde Valley

Mesoamerica encompasses a very wide geographic area, covering land from north-central Mexico through Guatemala, Belize, Honduras, and El Salvador (Figure 1.01). Not to be confused with the term “Middle America,” which, geographically, covers the same area but extends south to Panama, Mesoamerica instead defines a cultural area (Adams 1991:12; Kirchoff 1981 [1943]) that was once dominated by “shared features of indigenous cultural adaptation” (Evans 2004:19). In terms of landscapes, climates, and environments, Mesoamerica contains some of the greatest diversity in the entire world. This great ecological variety provided a wide array of local resources, such as obsidian, marine shell, cotton, and ceramics, which were utilized, processed, and exchanged across the entire region.

The Mexican state of Oaxaca lies along the Pacific coast in the southwestern portion of Mesoamerica. Of particular archaeological interest in Oaxaca are the following geographic regions: the Mixteca Alta and Mixteca Baja, the southern Isthmus of Tehuantepec, the central Valley of Oaxaca, the Cuicatlán Cañada, and the Coast, or Mixteca de la Costa (Joyce 1991;

Winter 1989a:10-11) (Figure 1.03). Each of these distinctive environmental and geographic zones contributed to the development of unique indigenous cultural and linguistic populations.

Many highland valleys hold archaeological traces of prehispanic life across the country, as these were the locations of large, wide expanses of agriculturally productive land. The Valley of Oaxaca is the most well-known of these landscapes. Rich agricultural land allowed for Oaxaca to be a location for some of the earliest plant domestication in Mesoamerica (Flannery 2003b; Marcus and Flannery 1996:54-55).

Originating in the interior highlands of Oaxaca, the Río Verde (Figure 1.03) is one of the largest drainage basins in Mesoamerica running into the southern Pacific Ocean. The present floodplain of the lower Río Verde develops about 20 km northeast of the river mouth, allowing for agriculture as the dominant means of subsistence. A very diverse ecology has developed in the lower Río Verde Valley since prehispanic times; the floodplain, along with riverine, lacustrine, estuarine, marine, piedmont, and mountainous habitats, provided prehispanic populations with numerous resources necessary for survival on the coast (Joyce 1991a:43; Joyce et al. 1998:3-9). Fish and shellfish were utilized from the river, estuaries, ponds, and the Pacific Ocean, and wild plants and animals from the surrounding lands were consumed (Fernandez 2004).

The following sections summarize archaeological research in the lower Río Verde Valley over the past twenty-plus years, as well as the culture history of the region, beginning with the earliest known sedentary populations from the Early Formative period and continuing until the Spanish Conquest in 1522.

Figure 1.01 Map of Mesoamerica (Adapted from <http://healeylibrary.wikispaces.com>)

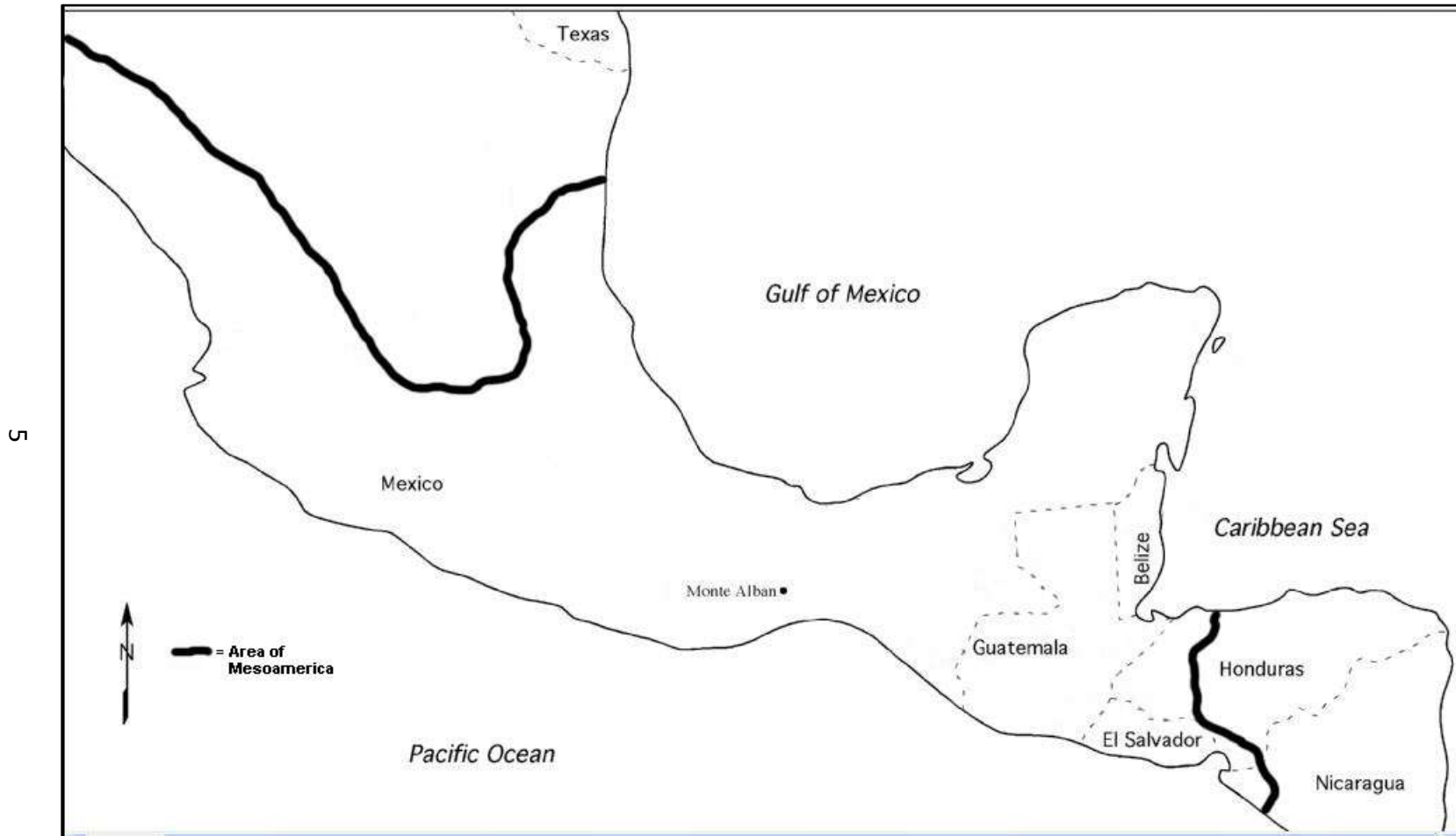
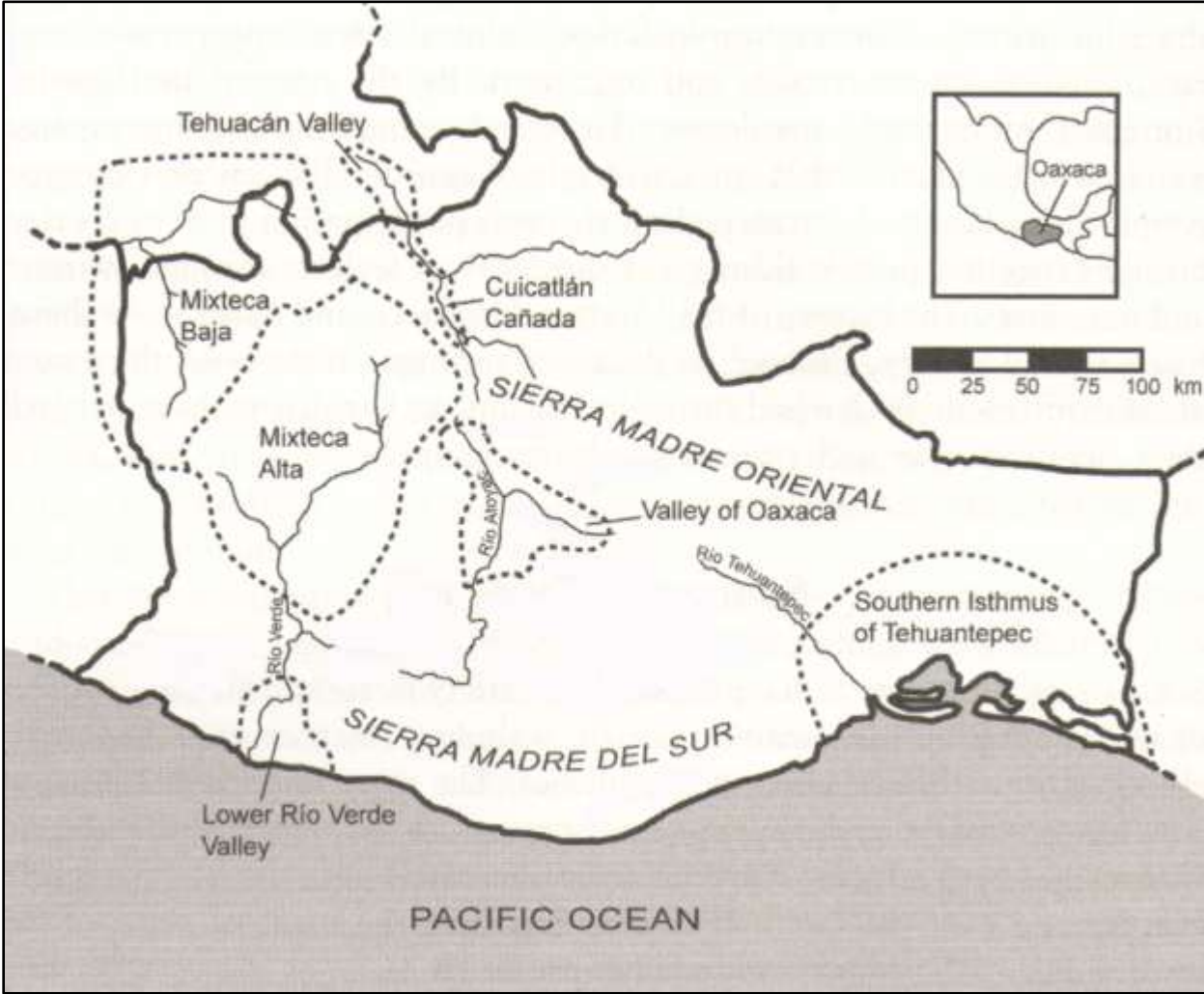


Figure 1.02: Mexican sites mentioned in the text (Adapted from *The National Geographic Magazine*, Vol. 134, No. 4)



Figure 1.03 Map of the archaeological regions of Oaxaca (Adapted from Joyce 2010, Fig. 1.3)

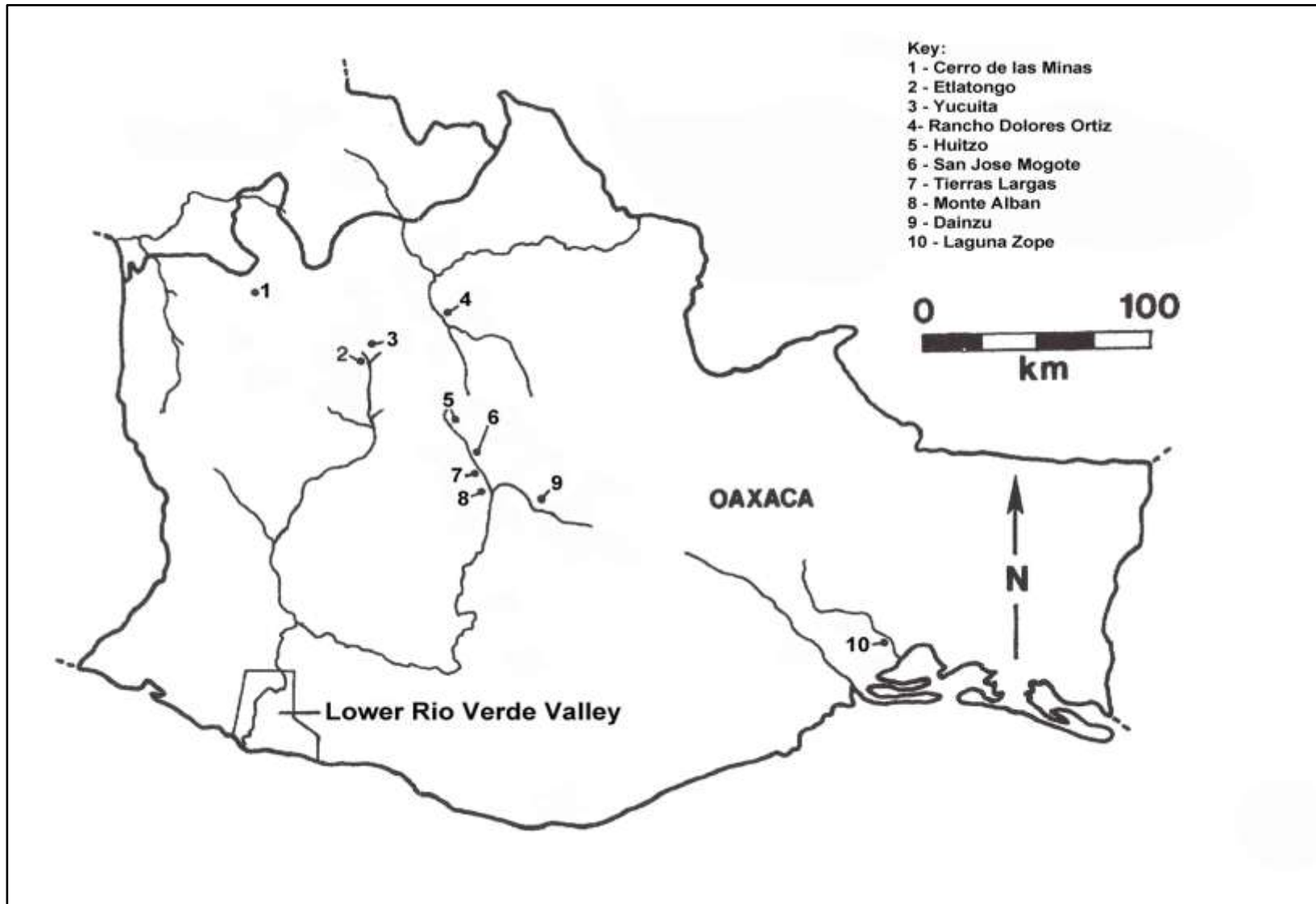


Previous archaeological research in the lower Río Verde Valley

The first systematic archaeological analysis of the lower Verde, however, began with Brockington's survey of the entire Oaxaca coast from the 1950s to the 1970s (Brockington et al. 1974; DeCicco and Brockington 1956). Following Brockington, the first project with a focus entirely on the lower Verde was the Río Verde Archaeological Project (RVAP), directed by David Grove, Marcus Winter, Susan Gillespie, and Raul Arana, which was designed to identify and examine early settlement along the coast and the origins of social complexity in the region (Gillespie 1987; Grove 1988; Joyce and Winter 1989). Since then, over the past 26 years, Arthur Joyce and his colleagues (Barber 2005; Butler 2011; Hepp 2011; Joyce 1991a, 1991b, 1993, 1994, 2005, 2006; Joyce et al. 1995, 1998, 2001, 2004a, 2004b; King 2003; Levine 2007; Workinger 2002) have conducted archaeological examinations of the lower Río Verde Valley (Figure 1.05), along Oaxaca's western Pacific coast. Excavations have included horizontal, block excavations, and test units, conducted at 18 sites in the region. A full-coverage (152 km²) regional settlement survey has been completed in the valley.

Additional work has been conducted on the paleoenvironment of the lower Verde (Goman et al. 2005; Joyce 1991a; Joyce and Mueller 1992, 1997; Joyce et al. 1998). These studies have examined geomorphic change along the Río Verde's drainage basin, palynology, geomorphology, and the history of hurricane strikes to understand how environmental change affected subsistence.

Figure 1.04 Oaxacan archaeological sites mentioned in the text (Adapted from Joyce 1991a, Fig. 1.3)



Culture history of the lower Río Verde Valley

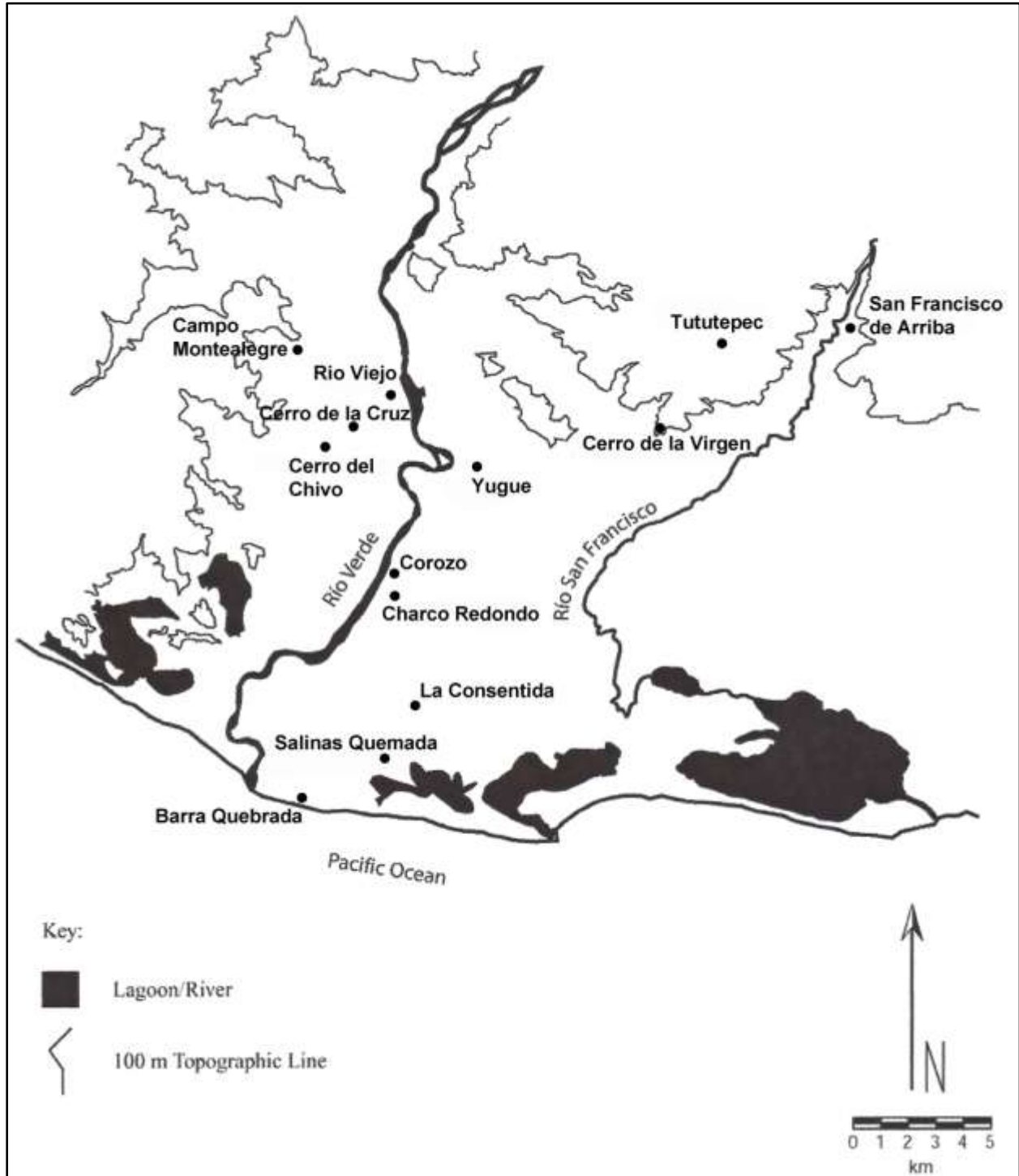
No human occupation dating to the Paleoindian (pre-8000 BC) or Archaic/Preceramic (8000-1800 BC) periods has yet been discovered along the Pacific coast. However, some evidence of land clearing is evident from the Late Archaic period. These early nomadic forager-farmers have largely been identified in and around the central valleys of Oaxaca (Flannery 2003a; Flannery and Spores 2003; Marcus and Flannery 1996:45-6, 50-61; Winter 1989a:14-19).

The earliest sedentary settlements known in the lower Río Verde Valley date to the Early Formative (ca. 1800-850 BC; Table 1.01) from the site of La Consentida (Hepp 2011). Similar occupations centered on low mounded architecture have been found at other early villages such as the in Soconusco Coast along the Pacific (Bove and Heller 1989; Evans 2004:111; Voorhies 1989).

The Middle Formative Charco Phase (850-400 BC) marks a major increase in regional population. A regional center developed at Charco Redondo at this time (Joyce 2010:180), and Charco Phase artifacts have also been identified at Río Viejo, Cerro de la Cruz, Corozo, Loma del Bigóton, and San Francisco de Arriba (Joyce 1991a:423; 2005:18). These sites remained second-tier to Charco Redondo, and their smaller size suggests an emerging social inequality on the coast (Joyce 2005:18).

More data are available for the Late Formative Minizundo Phase (400-150 BC). By this time, the regional hierarchy had increased to three tiers, with Charco Redondo and San Francisco de Arriba emerging as first-order centers and each likely holding populations of over 1,000 people (Joyce 2010:180). The emerging status differences from this period are reflected in the burials at Cerro de la Cruz (Joyce 1991a:721-775; 2010:185).

Figure 1.05 Lower Río Verde Valley sites mentioned in the text (Adapted from Barber 2005, Fig.4.1)



By the Terminal Formative, Río Viejo began emerging as the political center of the lower Río Verde Valley. This period is broken into two shorter periods: the early Terminal Formative Miniyua Phase (150 BC-AD 100), when Río Viejo first became a large urban center with its Mound 1 acropolis at the site center, and the late Terminal Formative Chacahua Phase (AD 100-250). Growing tensions and conflicts surrounding emerging centralized political authorities ultimately led to the collapse of the Terminal Formative state (Barber 2005; Barber and Joyce 2007; Joyce 2006).

During the Coyuche Phase (AD 250-500), Río Viejo decreased in size, and other sites in the lower Verde, such as Yugüe, either declined in size or were completely abandoned during this period. Along with these political collapses, long-distance trading partners were also changing. Ceramics and obsidian found with the Early Classic burials at Río Viejo support the claim that Teotihuacán, the powerful Central Mexican state, had an ever-increasing presence on the coast (Joyce 1993; 2003; Joyce et al. 1995). It is very likely that in return for the obsidian from Teotihuacán, inhabitants of the lower Río Verde Valley were exchanging highly desirable coastal products, including cotton, ornamental shell, and cacao. The nature of Teotihuacán's presence on the coast is unknown at present.

The socio-political climate of the lower Verde changed again by the Late Classic Yuta Tiyoo Phase (AD 500-800). Populations began to nucleate at major sites, and a centralization of political power redeveloped with Río Viejo as the regional capital (Joyce 2005:24; Joyce et al. 2001). At this time, the acropolis may have functioned as a ruler's palace (Urcid and Joyce 2001), where the large sunken patio would have been used for restricted, elite-only functions (Barber and Joyce 2011a; Joyce 2006:89; Joyce and Barber 2011a; see also Baillie 2011 for a

more detailed discussion of the Late Classic acropolis at Río Viejo). It is very likely that the separation between elites and commoners continued to grow throughout the Late Classic, probably increasing tensions between the two groups ultimately leading to another state collapse ca. AD 800. The acropolis then became a locality for commoner residences throughout the Early Postclassic (AD 800-1100); (Joyce 2006:91; Joyce et al. 2001).

By the Late Postclassic Yucudzaa Phase (AD 1100-1521), the Mixtec Empire, centered at the site of Tututepec, had risen to power. The archaeology of the lower Río Verde Valley at this time benefits greatly from the presence of textual data, including prehispanic Mixtec codices and early colonial period written documents (Joyce 2005:28). The powerful empire, led by Lord 8 Deer “Jaguar Claw”, had wide-reaching influence across the Pacific coast of Oaxaca, and a (hostile) relationship between Tututepec and the Aztecs of the Basin of Mexico also existed.

Hernán Cortés was attracted to Tututepec’s wealth and political power following his conquest of Tenochtitlán on August 13, 1521. By January of 1522 one of Cortés’ lieutenants took 200 Spanish soldiers to the Pacific coast and joined a Zapotec army from Tehuantepec, one of Tututepec’s biggest rivals (Cortés 1986:276), conquering the Mixtec by March of that year.

As illustrated above, the lower Río Verde Valley of Oaxaca, Mexico has a rich history of political, economic, and sociocultural change. The pattern of development and social growth within the lower Verde generally reflects broader patterns in Oaxaca itself, and in Mesoamerica as a whole. Since no source of obsidian exists in Oaxaca, all obsidian objects, whether raw nodules, cores, or pre-made tools, are known to have been traded a distance of at least 250 km. This makes the obsidian assemblage from the lower Río Verde Valley an ideal focal point

for examining changing economic relationships through time in relation to the local political and social climates of the various prehispanic periods.

The structure of this thesis

This thesis can be broken down into two major sections. In the first section, which includes Chapters 2 and 3, I provide background information and descriptions of previous obsidian studies, as well as the methods used in this study. The second section, comprised of Chapters 4, 5, and 6, describe the technological and sourcing analyses of obsidian artifacts from the lower Río Verde Valley, as well as the conclusions of this study.

In Chapter 2, I provide a discussion of why obsidian was a highly desirable tool-making material. I also offer information regarding the basic manufacturing techniques for producing prismatic blades. Next, I briefly discuss previous obsidian studies conducted in Mesoamerica; these studies allow for a comparative analysis of obsidian from the lower Verde, and they offer standards of previous research to follow in this project. This review will be the basis for my analysis and results, presented in Chapters 4 and 5, allowing for a more consistent presentation of the information within this thesis.

Chapter 3 includes a description of the methods used for the analysis of the obsidian artifacts studied. The technological analysis of all available obsidian artifacts includes basic descriptive measurements of length, width, thickness, and weight. The cutting edge/mass ratio, which provides an index of obsidian availability or scarcity, is used to estimate the extent to which obsidian was being utilized within the lower Verde in prehispanic times. Two methods of geochemical sourcing, X-Ray Fluorescence (XRF) and Neutron Activation Analysis (NAA), were

used to characterize which obsidian sources were being used through time. Finally, Chapter 3 includes a brief overview of the entire obsidian assemblage from the lower Río Verde Valley.

The results of the typological and sourcing analyses will be presented in Chapters 4 and 5. First, Chapter 4 provides a diachronic discussion of all obsidian artifacts collected from primary contexts in the lower Verde. Then, synthesizing my analysis with the previous work conducted on sourcing obsidian artifacts from the lower Verde, I present an assessment of obsidian acquisition through time in Chapter 5 using the geochemical techniques discussed in Chapter 3. The results of two recent (Glascock 2011b) sourcing analyses will be presented and discussed within the context of previous sourcing studies in the region (e.g., Elam 1993; Joyce et al. 1995; Levine et al. 2011; Workinger 2002) in order to recognize changing patterns of obsidian acquisition through time.

Chapter 6 includes some final thoughts and considerations regarding this study's importance and the necessity of future obsidian research within the lower Río Verde Valley. An review of obsidian technology and source usage through time in the lower Río Verde Valley is presented, and I provide some views on how obsidian may have arrived in the region. Finally, I discuss some of the limitations present within this study, and I present some suggestions regarding different approaches to examining obsidian in the lower Verde in the future.

Chapter 2

Obsidian: Characteristics, Tool Making, and Previous Mesoamerican Studies

In this chapter, I discuss obsidian as a material of choice for Mesoamerican tool-makers and the role obsidian played in trade and interregional interaction throughout prehispanic Mesoamerica. I begin by explaining what makes obsidian such a desirable stone for producing tools. Following a broader discussion of obsidian, I will explore the obsidian research that has been conducted within Mesoamerica, the state of Oaxaca, and, more specifically, within the lower Río Verde Valley. The research presented in the later chapters of this thesis seeks to synthesize the previous analyses, both technological and geochemical, of obsidian from the lower Verde; my research focuses on sourcing and typological analyses of obsidian artifacts in the region.

Characteristics of obsidian

Obsidian is a naturally occurring volcanic glass, formed from the rapid cooling of liquid hot magma that is rich in silica and aluminum oxides (Glascock 2002:611). Two different processes determine whether magma will actually form obsidian: the rate of cooling and the magma's viscosity (Shackley 2005:10). The rapid cooling during these processes prevents any sort of crystalline structure from forming within the rock itself, making obsidian a fairly homogeneous material, though sometimes lower quality obsidians may contain internal crystals (i.e., phenocrysts) or other inclusions, including xenoliths—fragments of rock foreign to the host material—or air bubbles.

Obsidian is also physically amorphous and isotropic, meaning that internally, obsidian has no specific axis and extremely sharp flakes can be removed from the core in any direction in a predictable manner (Glascock 2002:611; Whittaker 1994:12); these qualities made obsidian one of the most highly sought-after materials across Mesoamerica. When obsidian contains inclusions or other impurities, the flaking process becomes much more unpredictable and tools or body ornaments are not as easily made. It should be noted that other stronger stones, such as chert and basalt, were used to work more durable materials.

Most obsidians fall within a range of chemical makeup. This range typically falls around 66-75% SiO_2 (silica), 10-15% Al_2O_3 (aluminum oxide), 3-5% Na_2O (sodium oxide), 2-5% K_2O (potassium oxide), and 1-5% total $\text{Fe}_2\text{O}_3 + \text{FeO}$ (iron oxide); (Glascock 2002:611). These compositions make up the major elements within obsidian. An additional 0.1 to 0.5% of obsidian is water (H_2O). The remainder of an obsidian's chemical composition comes from minor and trace elements, which are present in concentrations of less than 1%, and have proven useful in identifying specific obsidian sources through various geochemical analyses (see Chapter 3).

Implements made of lithic materials are important to archaeologists for a multitude of reasons: they are found wherever people lived, worked, and travelled; they preserve well over long periods of time; and they played an important role in most prehistoric peoples' material culture and economy (Driskell 1986; Ericson and Purdy 1984; Glascock et al. 1998:16; Kardulias and Yerkes 2003; Kooyman 2000; Plew et al. 1985). Clark and Lee (1984:269) describe eight additional attributes of obsidian that make it a prime object for archaeological analysis:

“(1) obsidian was a scarce resource that had to be imported into most sites and, therefore, is a good marker of long-distance exchange, (2) the source of obsidian

can be determined precisely through physiochemical techniques, (3) obsidian is relatively indestructible, enabling one to determine absolute quantities and ratios of obsidian from each source that was imported into any given site, (4) obsidian is found at almost all Mesoamerican sites, a fact that facilitates synchronic and diachronic comparisons, (5) production techniques are recorded as technological attributes on the artifacts themselves, (6) imported commodities can be inferred by comparing the frequencies of the various artifacts to their experimentally produced analogs, (7) obsidian tools had relatively short use-lives and had to be frequently replaced, (8) the function of each artifact can also be determined within behaviorally significant units that, among other things, would allow one to determine the wastage of the imported obsidian, how much of it was actually used, and how it was used.”

Using a variety of technological, functional, and sourcing techniques (used to identify modes of exchange), archaeologists in Mesoamerica have taken advantage of these attributes of obsidian and made them key components to various avenues of research, as described below.

Obsidian tool production

Obsidian was arguably one of the most important commodities in prehispanic Mesoamerica. The relatively few geological zones where obsidian occurs naturally are located in the highlands of Mexico, Guatemala, and Honduras. Because of these highly localized outcrops of obsidian, high volumes of obsidian had to move through any number of long distance trade and exchange networks across Mesoamerica. Additionally, obsidian gives archaeologists the ability to study the refuse from tool production areas (i.e., quarries, workshops) in order to reconstruct manufacturing processes surrounding obsidian craft specialization with a potentially great degree of accuracy (Hirth 2003:3). However, studying the actual production of obsidian prismatic blades “has lagged behind studies on exchange” (Hirth 2003:3) because the former requires a much more time- and labor-intensive program of

investigation. Despite Hirth's concerns, a basic level of knowledge has been established regarding prismatic blade manufacture in Mesoamerica.

Mesoamerica's core-blade technology has been called "one of the unique and highly inventive technologies of the ancient New World" (Hirth 2003:3). This type of tool production allowed for consistent prismatic blades to be manufactured, and because of the high level of technicality associated with producing prismatic blades, craft specialists were often called upon to create them in large quantities for both local use and wider distribution. This core-blade technology is unique among other stone tool technologies for another reason as well: it utilizes a combination of percussion, pressure, and, sometimes, striating and grounding methods for producing the prismatic blades (Hirth 2003:4). Indirect percussion, or using a punch tool to remove blades, may have also been used (Pelegriin 2003:56; 63-70). However, a diversity in manufacturing techniques across Mesoamerica can be attributed to any number of "limiting factors" within a population (Hirth and Andrews 2002b).

Hirth and Andrews (2002b) argue that three types of constraints, or limiting factors, may have led to variation in the production of prismatic blades in Mesoamerica: 1) technological constraints, 2) provisioning constraints, and 3) production constraints. Technological constraints are those regarding the specific tool kits for manufacturing blades or the artisan's ability to produce consistent quantities of quality blades, such as the type and quality of tool (e.g., punch or pressure tip), material, and the artisan's level of training. Provisioning constraints include the type of raw material being used, the availability and distance from that raw material, and the broader sociopolitical circumstances controlling or affecting the distribution of the raw material (Hirth and Andrews 2002b:7). Finally, production constraints

include the level of demand for the finished product, the organization of a production system, the level of specialization within a given society, production linkage relationships, and the sociopolitical conditions controlling production in a region (Hirth and Andrews 2002b:9).

There has been much discussion concerning the most effective method for producing prismatic blades in prehispanic Mesoamerica (Clark 1982; Crabtree 1968; Flenniken and Hirth 2003; Titmus and Clark 2003), but much variation did exist. The following paragraphs will discuss the basic method for manufacturing prismatic blades based on the reduction sequences established by Clark and Bryant (1997) and Hirth and Andrews (2002b; who also drew on Clark and Bryant 1997). This basic, idealized set of terms and descriptions will be used out of convenience, as “[a]dopting a common terminology is difficult given the number, backgrounds, and diverse objectives of [various authors and scholars]” (Hirth and Andrews 2002b:2).

In its raw form, obsidian can be found in either nodular or block form. Regardless of the obsidian’s condition, establishing a suitable platform surface is vital for producing prismatic blades. The first step of reduction involves removing *platform preparation flakes* (Figure 2.01) from the proximal end of the core using percussion techniques. Whether one flake or multiple flakes are needed to establish a platform determines the platform type (e.g., *single-facet* or *multifacet*). A third type of platform was also found in prismatic blade manufacture by the Epiclassic (ca. AD 650-900) and throughout the Postclassic period: a ground platform. Core preparation for a ground platform was likely a three-step process: 1) establishing a uniform multifaceted surface; 2) pecking into the multifaceted platform; and 3) grinding the pecked platform (Healan 2009), which “broke the surface tension,” allowing for easier and more predictable removal of prismatic blades (Hirth et al. 2006:82-3). The remaining piece of

obsidian, with the prepared platform, is referred to as a *core preform* (Clark and Bryant 1997; Hirth and Andrews 2002b) (Figure 2.01).

Following the removal of the platform preparation flake(s) it is necessary to form the *primary macrocore*, from which the formation of a *polyhedral core* may begin. To do this, a number of large *decortication flakes* or *macroflakes* must be removed from the perimeter of the core preform. Once the primary macrocore is established, *crested blades* are removed. These blades follow the irregular ridges along the lateral margins of the macrocore created by removing decortication and macroflakes, straightening the ridges in the process. This method “involve[s] the removal of an alternating series of small flakes down one lateral ridge. This process creates an irregular crested ridge that guides the percussion-derived force applied to detach the crested blade” (Hirth and Andrews 2002b:3-4). Once these crested ridges are established along the macrocore’s perimeter, *macroblades* may be removed by percussion flaking, creating a *secondary macrocore* (Figure 2.01). These macroblades form irregular parallel ridges running from the proximal to the distal end of the secondary macrocore.

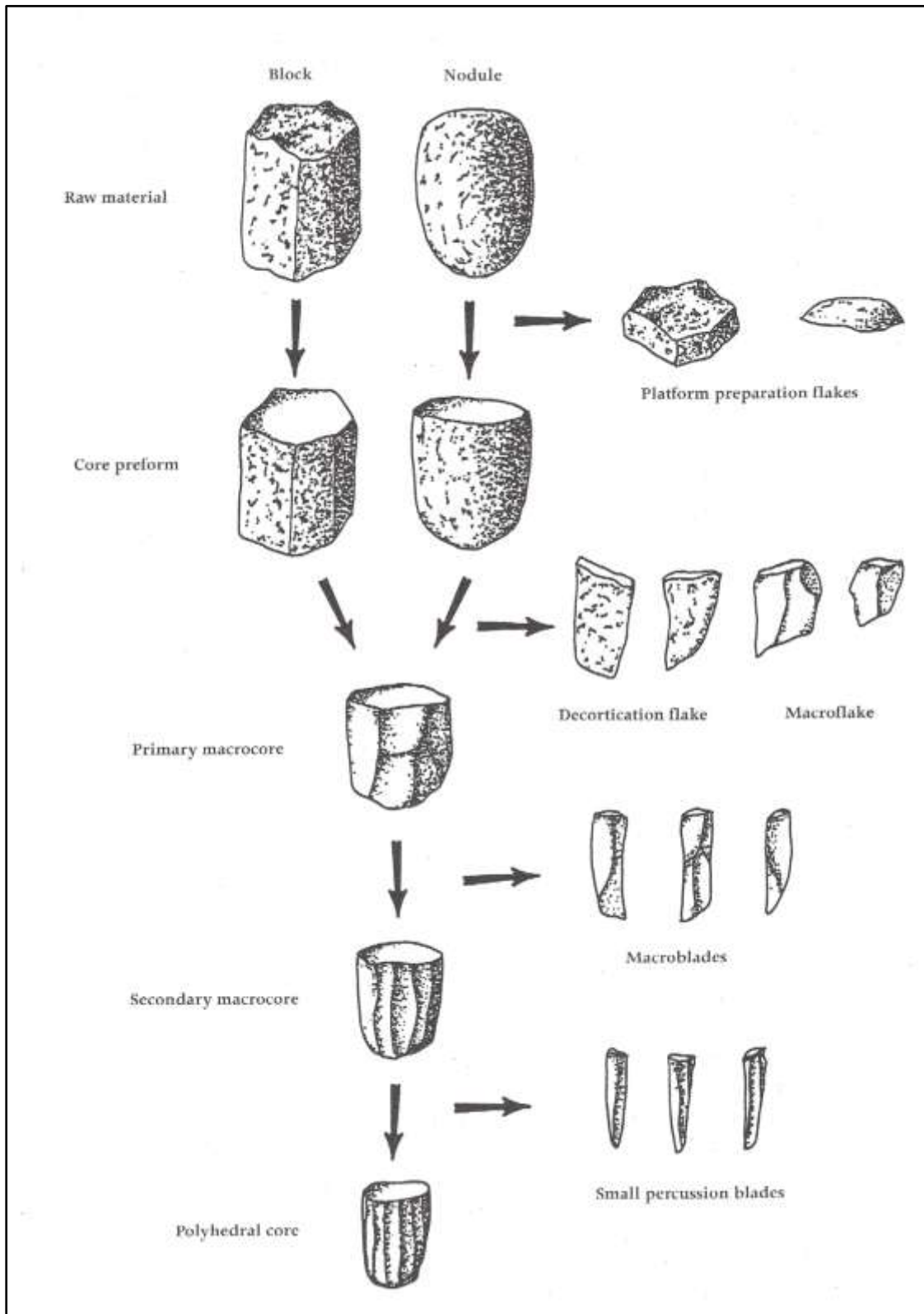
While there is an obvious manufacturing difference between macroflakes and macroblades, the typological distinction between the two artifacts types is often subjective based on the analyst (Hirth and Andrews 2002b:4). Generally, however, flakes are defined as objects with a length less than twice its width (Clark and Bryant 1997:117), while blades have been defined as “lithic flakes at least two times as long as wide, with parallel lateral edges and at least one ridge on the dorsal surface roughly parallel to the lateral edges” (Sollberger and Patterson 1976:518). Hirth and Andrews (2002b:4) note that macroblades are generally identified from macroflakes by their more regular shape in three ways: 1) they have a much

greater length than width, 2) they usually have roughly parallel margins, and 3) they are almost always more than 2.5 cm wide.

After macroblades are removed, *small percussion blades* are removed to produce a *polyhedral core* (Figure 2.01). The small percussion blades are smaller and thinner (usually less than 2.5 cm) than macroblades. The purpose of removing small percussion blades is to produce a series of regular parallel ridges along the lateral surface of the core. Once these blades are removed, a flintknapper can begin using pressure or punch techniques instead of direct percussion.

First-series blades are the first objects removed from the polyhedral core using pressure or indirect flaking (Figure 2.02). The removal of these blades helps create a series of regular *arrises*, or ridges, which will facilitate the removal of subsequent pressure blades. These blades are generally irregular in shape and are identified by the presence of percussion scars on their entire dorsal surfaces from previous percussion blade removal; their ventral surfaces will exhibit evidence of the pressure removal. Depending on the shape of the polyhedral core following initial core reduction, *second-series blades* may be produced (Clark and Bryant 1997:115; Hirth and Andrews 2002b:4). For example, if the polyhedral core is cone-shaped, the first-series blades will only extend about halfway down the sloping core surface (Figure 2.02), resulting in a *secondary polyhedral core*. Second-series blades are formed by extending the arrises formed by the first-series blade all the way to the distal end of the core. These second-series blades are distinct from first-series blades in that they only percussion

Figure 2.01 Core reduction for prismatic blade production (Hirth and Andrews 2002b, Fig. 1.1)



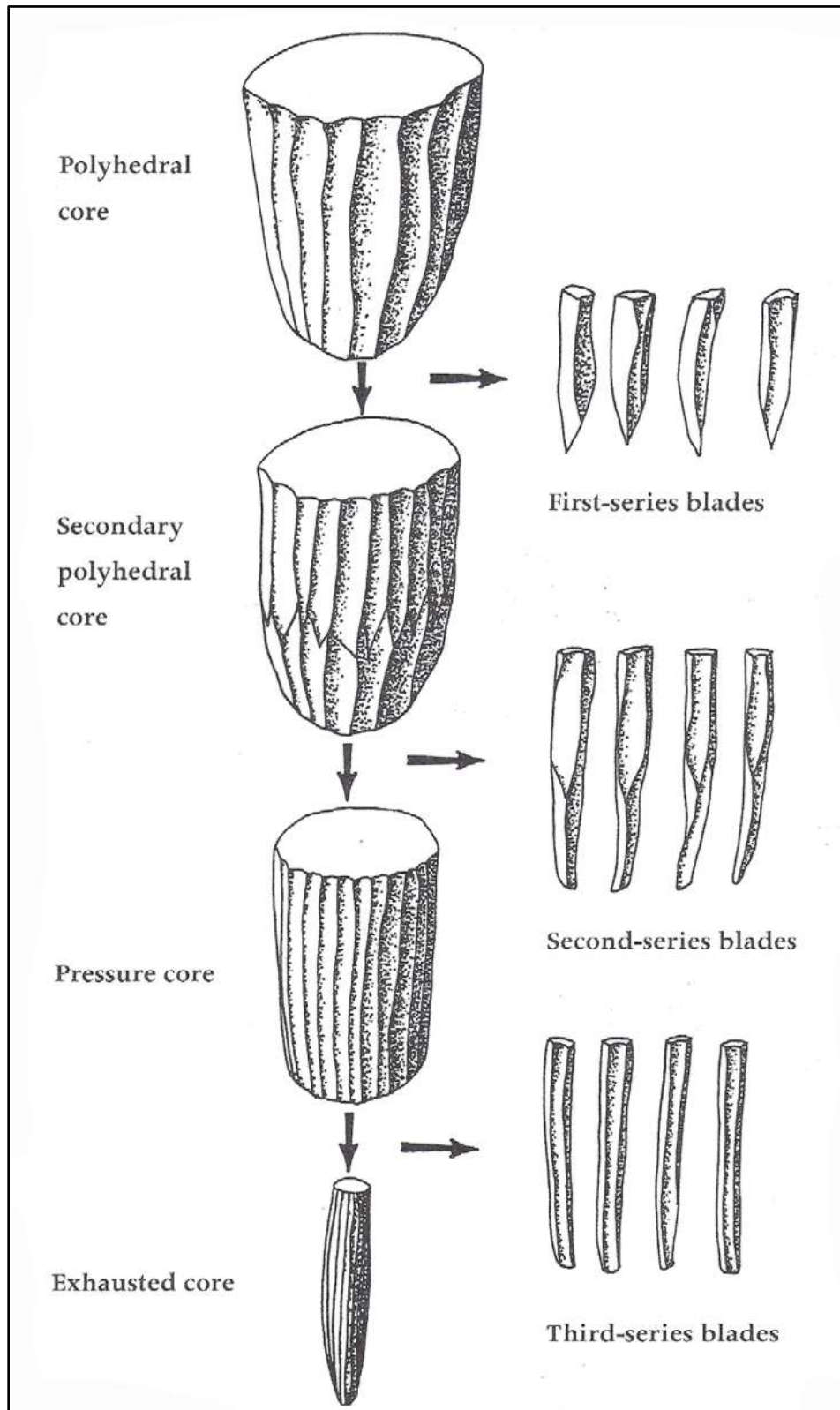
flaking, demonstrated by percussion scarring, on their distal ends rather than across the entire dorsal surface of the blade.

Once first- and, if needed, second-series blades are removed from the polyhedral core, a *pressure core* is the result (Figure 2.02), from which *third-series blades* are removed. These blades are usually regular in shape and contain one or two parallel arrises on their dorsal surface. These parallel dorsal arrises are important mechanically, as they guide subsequent force all the way down the length of the core, allowing for successful third-series blade removal. Third-series blades were then generally either snapped into sections and used for a variety of cutting activities (Hirth and Andrews 2002b:4), or further retouched to create points, scrapers, drills, engravers, eccentrics, or spokeshaves (Sheets 1975:375, Figure 3). Often times the blade segments were hafted into wood, bone, or other materials to facilitate use. Prismatic blades were traded, both whole and in segments (De León et al. 2009), across Mesoamerica, so much so that Healan (2009) describes them as becoming “ubiquitous, mundane, and readily available” by the Postclassic.

Since the 1970s, archaeologists in Mesoamerica have looked at and examined obsidian assemblages much differently thanks to Sheets’ research (1972, 1975, 1978, 2003). Thankfully for archaeologists interested in Mesoamerican lithics, Sheets (1972, 1975) developed what is known as the “Behavioral Model”¹ for studying stone tools as a response to what he calls (2003:11) the “First Orthodoxy” in lithic analyses across the region. The First Orthodoxy comes from Kidder’s (1947) reexamination of the Uaxactun lithic materials that

¹ Sheets humbly argues against his behavioral model being considered “*The*” model, and suggests archaeologists instead use it as “*A*” model, so as to avoid what he refers to as the “Second Orthodoxy” in Mesoamerican lithics (Sheets 2003:12). The development of the behavioral model as the Second Orthodoxy “ignored significant variation and the possible reasons for variations in [Mesoamerican] lithic systems” (Sheets 2003:14).

Figure 2.02 Polyhedral core reduction for prismatic blade production (Hirth and Andrews 2002b, Fig. 1.2)



Ricketson (1937) analyzed a decade earlier. Kidder attempted to reach conclusions about lithic function prior to a technological examination of the materials by placing each artifact into broad “ceremonial” or “utilitarian” categories. This view, centered on the assumption that “a single classification can effectively serve multiple disparate objectives” (Sheets 2003:11), infiltrated Mesoamerican lithic analysis for the next twenty-plus years.

Sheets’ model, as a response to Kidder’s broad categories, attempts to understand each step undertaken by the individuals manufacturing stone tools. From his work in El Salvador, Sheets (2003:12) believed that “the basic nature of core-blade manufacture over 2,500 years...could be understood by reference to the particular manufacturing behavior and the material results of that behavior.” This method has been widely adopted by lithic analysts in Mesoamerica since its inception in the early 1970s, and has remained one of the foundational concepts in stone tool literature.

In the following section I provide a brief review of obsidian studies in Mesoamerica, paying particularly close attention to analyses which focus on Oaxaca and lower Río Verde Valley obsidian.

Obsidian studies in Mesoamerica

The following discussion regarding previous studies of obsidian artifacts in Mesoamerica will be, by no means, complete, as the wealth of knowledge and analysis of obsidian and lithics throughout Mesoamerica could fill volumes. Edith Ricketson’s (1937) examination of the Uaxactun lithics in the Maya area was the first technological analysis of chipped stone in the

region. Since that study, lithic materials have become a mainstay in Mesoamerican archaeology. Several scholars (Clark 2003a-f; Hester 1978; Hester and Heizer 1978; Sheets 1977) have conducted surveys of previous lithic and obsidian analyses in Mesoamerica following Ricketson's, and have provided bibliographies on specific topics of lithic and obsidian inquiry.

Clark (1988:11) argues that archaeologists tend to focus on three areas within lithic studies: 1) exchange, 2) technology, and 3) function. In other words, archaeologists are interested in where materials came from, how tools were manufactured, and how they were employed by the people who used them. In the next section I will review the literature on each of these areas within the realm of Mesoamerican obsidian. While there is a fair amount of information available regarding the use of chert in prehispanic populations (see Fedick 1991; Hester and Shafer 1984; Mitchum 1991; Moholy-Nahy 1991; Potter 1991; Shafer and Hester 1983, 1991), obsidian is often—though not always—the most ubiquitous material within chipped stone assemblages throughout Mesoamerica. There are certain locations particularly in the Yucatan Peninsula that are exceptions to this general trend.

Sourcing studies of obsidian in Mesoamerica

One of the largest and most studied topics pertaining to obsidian in Mesoamerica is geochemical sourcing, particularly when related to exchange. Determining where specific source materials came from, who controlled which sources, who was trading with whom, and many other topics have been covered in this area of the literature. With the development and refining of chemical characterization studies, archaeologists have been able to more easily

identify trends in specific material sources through time to infer which populations may have been trading with others. A focus on trends identifying which obsidian sources were used through each prehispanic period will be more thoroughly discussed in Chapter 5. Additionally, many questions of socioeconomics and politics have been raised regarding the control of sources during different periods and how that control affected the other regions (see discussion at the end of this chapter).

Several methods of chemically sourcing obsidian exist; Neutron Activation Analysis (NAA) has been one of the most widely used (Asaro et al. 1978; Blomster and Glascock 2010; Braswell and Glascock 2002; Braswell et al. 2000; Charlton, Grove, and Hopke 1978; Cobean et al. 1991; Elam 1993; Elam et al. 1994; Fowler et al. 1987; Glascock et al. 1988; Healy, McKillop, and Walsh 1984; Joyce et al. 1995; Moholy-Nagy, Asaro, and Stross 1984; Neff et al. 2000; Nelson and Voorhies 1980; Pires-Ferreira 1975, 2009[1976]; Rice et al. 1985; Santley et al. 2001; Smith et al. 2007; Stark et al. 1992; Stross et al. 1968, 1983; Vogt et al. 1989). X-Ray Fluorescence spectrometry (XRF) has also been utilized to a great degree in Mesoamerica (Blomster and Glascock 2010; Clark 1988; Clark et al. 1989; Cobean et al. 1971; Fowler et al. 1987, 1989; Graham et al. 1972; Healy, McKillop, and Walsh 1984; Hester, Heizer, and Jack 1971b; Hester et al. 1972, 1973; Jack and Heizer 1968; Jack et al. 1972; Levine et al. 2011.; Moholy-Nagy, Asaro, and Stross 1984; Nelson and Howard 1986; Nelson and Voorhies 1980; Nelson et al. 1977; Rice et al. 1985; Smith et al. 2007; Stross et al. 1968, 1983; Weaver and Stross 1965). Two lesser used, but still useful, geochemical techniques to identify obsidian sources are Laser Ablation-Inductively Coupled Plasma-Mass Spectrometry (LA-ICP-MS); (Carballo et al. 2007), and Proton Induced X-ray Emission (PIXE); (Rivero-Torres et al. 2008).

Since each source of obsidian has its own unique chemical signature or fingerprint, chemical analyses using the above techniques can pinpoint where particular materials or tools came from (see Chapter 3). By creating a set of standards by gathering material samples from a variety of known sources, scientists have been able to establish a database for which the frequencies of particular elements can be tested and, thus, sourced (see Cobean 2002 for a very thorough description of the Mexican obsidian sources, including the process of sample collection for creating such a database).

Only a handful of sourcing studies have been conducted in Oaxaca, mostly focusing on the Valley of Oaxaca and the lower Río Verde Valley. Pires-Ferreira (1975; 2009[1976]) examines obsidian exchange into the sites of Huitzo, San José Mogote, and Tierras Largas during the Early and Middle Formative periods. The sourcing analysis is used to establish a set of regression models based upon the amount of artifacts from specific sources of obsidian and various sites at known distances from those sources. The idea, also known as “distance-decay,” is that the closer a site is to an obsidian source, the more obsidian of that source will be present. Through a regression analysis, Pires-Ferreira was able to establish a set of exchange networks focused on particular obsidian sources for both the Early and Middle Formative. One major problem exists in relation to the results, which were obtained prior to the establishment of good controls and standards in sourcing analyses. As Glascock and colleagues (1998:21) illustrate, Pires-Ferreira’s artifacts attributed to the Altotonga source are actually more likely to be acquired from the nearby Zaragoza source (see Cobean et al. 1991 for a comparison of these two sources). Altotonga’s chemical fingerprint partially matches Zaragoza, especially when examining Mn and Na, two of the elements used in Pires-Ferreira’s NAA analysis. Elam’s (1993;

Elam et al. 1994) research shows that Zaragoza was an important obsidian supplier to the Valley of Oaxaca, so this result is much more plausible. Additionally, Pires-Ferreira's "Unknown Oaxaca" source should, instead, be attributed to a source in Hidalgo, probably Pachuca, according to Glascock and colleagues (1988), as Pires-Ferreira (1975:30) describes the artifacts from the Unknown Oaxaca sources as "consistently green in color."

J. Michael Elam (1993; Elam et al. 1994) was interested in correlating obsidian sources and the dating of archaeological sites from Oaxaca using obsidian hydration. Samples from a number of archaeological sites across Oaxaca, including from the Valley of Oaxaca and the lower Río Verde Valley, were analyzed using both NAA and obsidian hydration dating techniques. These sourcing results will be discussed further in Chapter 5. This study was only able to generate preliminary hydration curves for the Orizaba and Pachuca samples, so a complete analysis of diachronic change of obsidian use throughout Oaxaca could not be achieved.

Two papers of import regarding chemical characterization analysis specifically within the Lower Río Verde Valley, Oaxaca, Mexico are Joyce et al's (1995) examination of Formative and Classic period obsidian, and Levine and colleagues' (2011) analysis of Postclassic obsidian procurement. These papers represent some of the most extensive work with lithics, particularly in relation to sourcing, done in that region to date, and their results will be discussed further in Chapter 5 as part of the broader diachronic sourcing analysis of obsidian from the lower Verde. Joyce et al. (1995) used NAA to analyze 61 obsidian artifacts from four archaeological sites spanning the late Middle Formative (500-400 BC) through the Late Classic period (AD 550-900). The goal of this research was to identify changes in exchange patterns.

Results of the analysis showed strong connections to obsidian sources within the Basin of Mexico, as well as the neighboring state of Michoacán. However, the small sample of artifacts submitted for sourcing analysis “cannot be considered as representative of the entire assemblage of obsidian at the sites examined” (Joyce et al. 1995:12).

Levine and colleagues’ (2011) sourcing analysis focused on the sites of Río Viejo and Tututepec during the Early Postclassic (AD 800-1100) and Late Postclassic (AD 1100-1522) periods, respectively. Using XRF to analyze 153 obsidian samples, the focus of the project was to determine changing procurement patterns over these periods. A dramatic shift was seen between the Early and Late Postclassic: obsidian was coming from at least six sources in the Early Postclassic, while during the Late Postclassic two sources, Pachuca and Pico de Orizaba, dominate the assemblage. A visual examination of the Late Postclassic obsidian was also conducted to determine whether visual sourcing can be a viable technique for identifying Mexican obsidian sources. This analysis determined that Pachuca and Pico de Orizaba obsidians could reliably be identified visually at a near 100% accuracy (Levine et al. 2011:126).

Workinger (2002) also conducted a sourcing analysis of obsidian artifacts from the lower Verde. His study focused on 100 pieces of obsidian from San Francisco de Arriba; these samples were analyzed using NAA. Workinger’s (2002:307) sample strategy consisted of selecting obsidian from relatively well-dated contexts, rather than simply randomly selecting samples. Unfortunately, most contexts at San Francisco de Arriba consisted of mixed or secondary deposits instead of primary contexts. A total of nine Mexican obsidian sources were identified at San Francisco de Arriba (Workinger 2002:310): Paredón (N=35), Pachuca (N=25), Otumba (N=12), Orizaba (N=8), Ucaréo (N=7), Guadalupe Victoria (N=7), Zaragoza (N=4), Malpais (N=1), and

Tulancingo (N=1). These are largely similar to the sources identified by Joyce and colleagues (1995), and Levine and colleagues (2011).

Beyond sourcing studies, many other methods are used to understand and explain exchange and procurement of lithic materials in Mesoamerica. Some studies (e.g. Arnauld 1990) are designed to understand specific routes that ancient traders may have used when exchanging goods across vast areas of Mesoamerica. However, most research on exchange tends to focus on the means necessary to acquire certain materials, specifically in terms of who was controlling trade within certain communities, and how extensively certain material types or manufactured goods were being transported through time (e.g., Grove and Gillespie 1992; Hirth 1984; Spencer 1982; Voorhies 1989; Zeitlin 1978). In particular, special attention has been paid to exchange in Formative period Mesoamerica. The likely reason for this is that the Formative period is when the first complex societies were developing throughout the region; exchange between these increasingly complex populations is undoubted.

Technological studies of obsidian in Mesoamerica

Examining the technological choices and methods of manufacture of stone tools can be beneficial to Mesoamerican archaeologists in many ways. For one, these types of analyses provide a clearer picture of the day-to-day activities of prehispanic peoples, specifically in regards to the decisions they had to make in producing stone tools (see Clark 1982; Crabtree 1968; Sheets 1975, 2003). Secondly, different trends emerge at different times in the prehispanic past, such as the emergence of prismatic blade technology as early as 1200 BC (Boksenbaum et al. 1987). Archaeologists can look for these trends at sites throughout

Mesoamerica to determine when and if specific technologies appeared in their area; these changes can then be related to broader developments within a society, such as status inequality (i.e., differential access to materials, tools, etc.) and changes in exchange patterns. Clark's analyses (Clark 1986, 1987, 1988, 1989a-d, 1990, 1997; Clark and Bryant 1997; Gaxiola and Clark 1989) have been some of the foremost works in this regard. Finally, the analysis of lithic tool production can "serve as a general model for discussing craft production and economic organization on a broader theoretical level," (Hirth 2006:4). This means that larger topics, such as politics, social ideologies, religion, and, economic systems and interactions, may be better understood through the intensive examination of the production techniques of ancient stone tools.

In Oaxaca, the general trend in lithic studies has been to focus upon exchange and material acquisition (see above). However, a handful of technological analyses have been conducted, most notably Parry's 1987 examination of Early and Middle Formative period stone tools in the Valley of Oaxaca. In his study, Parry (1987:33) identified three distinct tool industries (mostly artifacts from San José Mogote were selected), a blade industry, a biface industry, and a flake industry. In general, most of the finished products were not completed at the Formative village sites; blades were likely transported in from manufacture elsewhere, and bifaces were rarely produced within the villages, though when they were it was at the hand of specialists (Parry 1987:65).

One important focus of technological analyses is the emergence of the prismatic blade technology in Mesoamerica. It is generally accepted that prismatic blade technology began to appear more widely during the Middle Formative at the latest. The question for archaeologists

is when did the core-blade technology reach the rest of Mesoamerica, and from where did it come? John Clark (1987) describes the development and exchange of, first, prismatic blades themselves, then prismatic blade *technology*. This distinction is important because it implies that prismatic blades were being manufactured and distributed across Mesoamerica long before the technology of producing blades was available to the general populous (or at least the elite populous). According to Clark's (1987:262) research, the earliest documented trade of finished, pressure-produced, prismatic blades occurred around 1100 BC with the Olmec of San Lorenzo. But for the next several hundred years, blade trade was kept to a minimum before the technology spread throughout Mesoamerica.

Functional studies of obsidian in Mesoamerica

Functional studies of Mesoamerican lithics are a relatively new direction of archaeological inquiry. The bulk of these studies come from the 1980s (e.g., Aldenderfer 1989; Clark 1988; Lewenstein 1981, 1987; Parry 1987), though a handful of functional analyses can be found more recently (e.g., Aoyama 1995, 2007, 2009). Functional analyses tend to focus on use-wear patterns and attributes found on tools, or on residue analysis to identify on which materials tools were being used. Additionally, archaeologists can base use wear on analogies connecting the form of an object to that object's function by utilizing analogies drawn on either ethnoarchaeological (e.g., Hayden 1987; Tringham 1978) or ethnohistorically recorded practices. Use-wear analyses are valuable to archaeologists because they can provide thorough, detailed information on the day-to-day activities practiced at ancient sites,

particularly in the form of which materials were being cut, scraped, whittled, or otherwise processed in prehistoric times.

Parry's (1987) monograph about Formative Period lithics from the Valley of Oaxaca contains an examination of the various uses of chipped stone tools. Like most other functional analyses, Parry's goal was to identify and reconstruct the types of activities in which the tools were utilized. His analysis compared the activities from several different households from Formative Oaxacan villages to identify the degree of specialization within the population. For his study, Parry examined both edge damage and tool edge morphology macroscopically to generate inferences about daily tasks conducted with his sample of stone tools. Parry's analysis (1987:74) concluded with the separation of seven distinct classes of edge morphology and damage patterns. While specific tasks were not inferred, general processes such as "Cut Hard" and "Scrape Medium" (Parry 1987, Table 32) were established within various households throughout several Formative villages in the Valley of Oaxaca.

As presented above, several methods have been undertaken to better understand the nature of stone tool manufacture and consumption in prehispanic Mesoamerica. Archaeologists have employed studies of exchange networks and artifact distributions, technological analyses, and functional examinations of how lithic implements were used in daily activities. While each of these topics is broad, they contain a great deal of variation in the methods and questions being asked. For example, exchange studies can focus on identifying specific material sources through chemical characterization in order to determine where they came from, or they can examine the distribution of specific technological styles over large expanses of land. Also, each of these broad topics should not be considered mutually exclusive.

Functional, technological, and exchange analyses should always go hand in hand; without such a practice, the full extent of the prehispanic past cannot be clearly understood. Despite this fact, the present study will omit a functional analysis due to time constraints.

In the next chapter I outline the methodologies used in the technological analysis of obsidian from the lower Río Verde Valley. I will also describe the methods of sourcing used to identify from where obsidian was reaching the lower Verde in prehispanic times.

Chapter 3

Methods

Typological methods

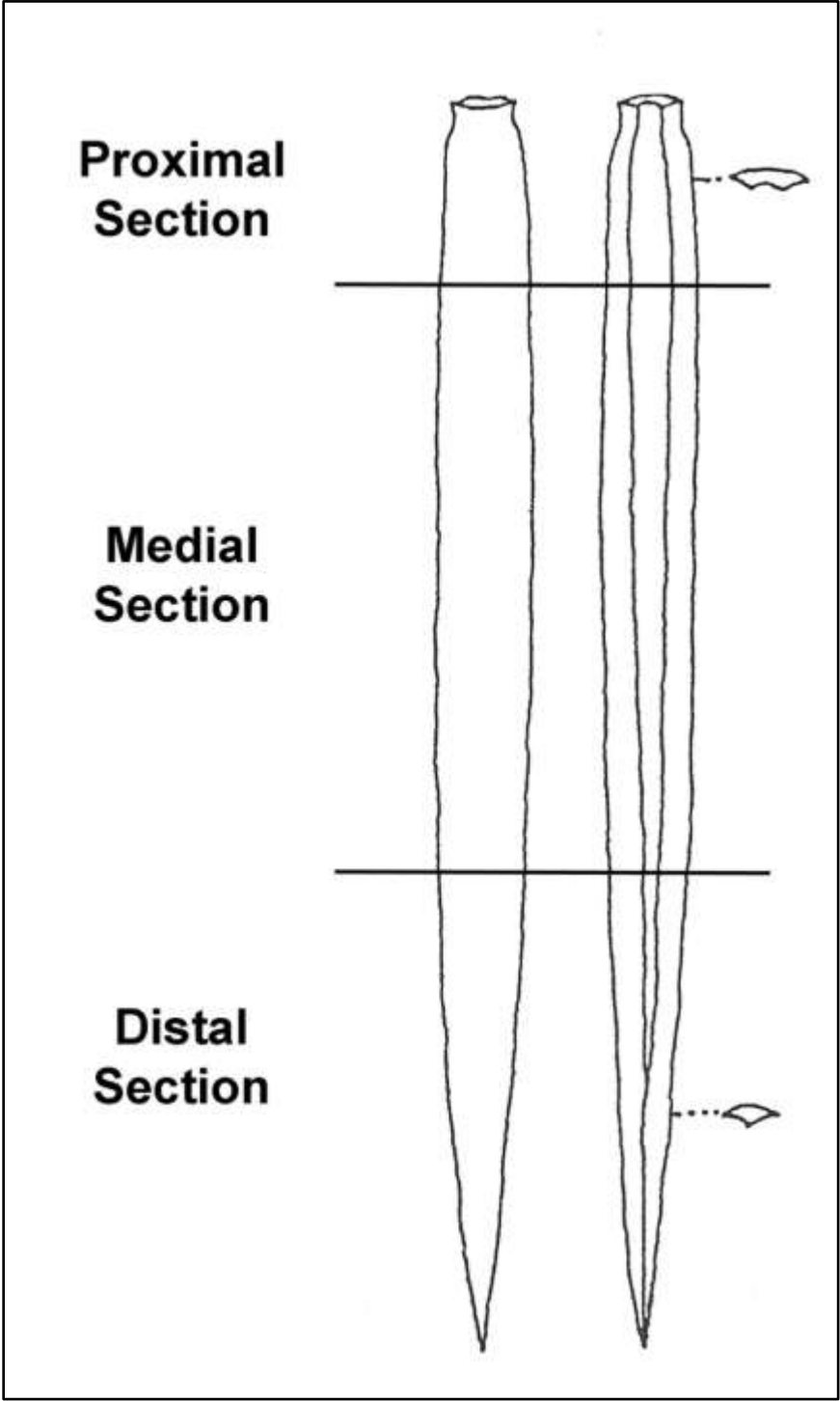
In the summer of 2010, I spent two months analyzing the obsidian from the lower Río Verde Valley in Oaxaca at the ex-convent of Cuilapan de Guerrero, a facility set up by the Instituto Nacional de Antropología e Historia (INHA), a governmental agency in charge of all archaeological endeavors in Mexico. My sample consists of all available obsidian artifacts from the lower Río Verde Valley. These objects were collected from either horizontal, block, or test excavations at twelve sites from the lower Verde; additional samples were examined from surface collections at 25 other sites. Another approximately 200 artifacts were available for analysis in the United States.

Each artifact was formally analyzed using the following established set of criteria prior to being entered into a Microsoft Excel spreadsheet; columns corresponding to each data field (e.g., artifact category, artifact measurements) were created and these tables can be found in Appendix A. First, the artifact was placed into a particular descriptive category based in part on Clark (1988:30-33), Aoyama (2009:18), Parry (1987:33-41), Whittaker (1994), and Clark and Bryant (1997). However, I simplified the terminology for artifact classification. For example, where Clark and Parry (1997) and Clark (1988) distinguish between first-series, second-series, and third-series prismatic blades, I simply describe “prismatic blades.” Artifacts likely to be designated as percussion blades were listed as prismatic blades in the Artifact Category column, but described as “percussion blade” or “possible” percussion blade in the notes describing the artifact. These simplifications were made for two primary reasons: 1) a lack of familiarity

prevented me from accurately identifying whether specific artifacts were percussion blades, macroflakes, second-series blades, etc.; and 2) the overwhelming majority of artifacts were, in fact, third- or final-series blades and lumping all blades into one category did not affect the final results this analysis set out to achieve. Every prismatic blade fragment was then classified in terms of the segment of blade: proximal, medial, or distal (Figure 3.01).

Additionally, where Parry (1987:35-6) describes a series of different kinds of flakes (e.g., scraper retouch flakes, biface thinning flakes), I simply use the term “flake.” A flake is described by Crabtree (1982:36, emphasis added) as “any piece of stone removed from a larger mass [a core, or a nucleus (Cotterell and Kamminga 1987)] by the application force, either intentionally, accidentally, or by nature. A portion of isotropic material having a *platform* and *bulb of force* [aka bulb of pressure or percussion, or bulb of *applied* force] at the proximal end.” I would also add that a *complete* flake contains a distinctive termination (see Cotterell and Kamminga 1987:684, Figure 4; 698-701), while a *broken* flake or flake *fragment* has either an absence of the point of force (i.e., platform) or of margins (Sullivan and Rozen 1985:759, Figure 2). Non-blade artifacts with identifiable platforms, bulbs of percussion, and intact terminations, whether feather, step, or hinge terminations, I described as flakes. I adapted Sullivan and Rozen’s (1985) descriptions of broken flakes and flake fragments and lumped all non-blade, -core, or -projectile point artifacts lacking a platform or bulb of percussion, and which featured at least a fractured distal end, as a flake fragment. I did this because for this analysis I was not trying to quantify the levels of core reduction, expedient flake technology, or biface production. A goal of the project was to present a systematic inventory of the obsidian artifacts from the

Figure 3.01 Sections of prismatic blades (Adapted from Evans2004, Fig. 4.4)



lower Verde. The simple presence or absence of flakes or flaking debris, in this case, was sufficient to complete this goal.

Several other artifact categories were also established (see Appendix A). Those included projectile points, bifaces, cores, and chunks (aka shatter). A breakdown of the frequency of each artifact type can be found at the end of this chapter. Once the artifact category was established, I conducted a series of measurements on each piece of obsidian. Maximum length, width, and thickness were measured using digital calipers, and all measurements were calculated to the nearest hundredth of a millimeter. Weights of all artifacts were calculated using a digital scale, with weight to the nearest hundredth of a gram. If an artifact showed a weight of 0.00 on the scale, the weight was listed as "<0.01 g."

Another, more unique, measurement was also calculated: the cutting edge-to-mass (CE/M) ratio. The use of this ratio in relation to archaeological data, especially the prismatic blades so common to Mesoamerica, "may be an index of the scarcity of obsidian in the aboriginal situation" (Sheets and Muto 1972:633). More clearly, it is suggested that the closer to an obsidian source a population is, the wider, thicker, and, therefore, heavier the prismatic blades should be resulting in a lower CE/M. Conversely, the further from a source one gets, one should see consistently thinner and narrower prismatic blades, leading to a much higher CE/M. Thus, "it is shown that prismatic blades were made more efficiently as the distance from the supply source of raw material increased" (Sidrys 1976:155). For this study, the CE/M was recorded in centimeters of cutting edge-to-grams. Therefore, the length measurements of each prismatic blade fragment had to first be divided by 10 to convert millimeters into centimeters; that number was then multiplied by 2 to get the full amount of cutting edge provided by the

blade fragment. This number was then divided by the weight to arrive at the CE/M. Chapter 4 provides the CE/M ratios from primary contexts associated with each prehispanic period from where prismatic blades were collected.

The color of each artifact was also analyzed. For consistency, each piece of obsidian was held up to direct, natural sunlight. While different light sources may allow one to see variations or subtleties within a single piece of obsidian (Braswell et al. 2000:271), sunlight was chosen as it was the most accessible and consistent source of lighting over the duration of this analysis. The colors of the obsidian artifacts were lumped into one of four color categories: gray, clear, black, or green, meaning that any variation in a particular color, such as opaque or translucent gray, is disregarded. This has to do with the fact that color variation was not being analyzed in terms of identifying particular sources. Braswell and colleagues (2000) were successful in identifying particular obsidian sources through visual, color identification. However, they were analyzing obsidian primarily from the Maya region and “the vast majority of Maya obsidian come from just four sources: El Chayal, Ixtepeque, San Martín Jilotepeque, and Pachuca” (Braswell et al. 2000:282, note 1). These four sources are distinguishable in terms of color, luster, inclusions, opacity, etc. (see Braswell et al. 2000, Table 1). However, most obsidian sources, especially those found in Mexico, contain “relatively indistinguishable gray or black obsidian” (Cobean 2002:23). In the lower Río Verde Valley, Levine and colleagues (2011) were successful in visually identifying Pachuca and Pico de Orizaba obsidians using Braswell et al’s (2000:270-271) criteria (see Chapter 2).

The final step of the typological analysis of obsidian artifacts from the lower Río Verde Valley included making a variety of observations, describing anything from artifact condition,

unique attributes, thoughts on the nature of the artifact's function, the presence or absence of particular attributes, or citations to examples of similar artifacts in the archaeological literature. These descriptions were not made for every artifact during the analysis; those that were collected are included in the final tables presented in Appendix A.

Geochemical analysis of obsidian

Particular elements, such as O, Si, Al, and K, comprise the majority of obsidian's chemical make-up. The remaining composition of obsidian comes from water, minor, and trace elements. The proportions of those trace elements are distinctive to the parent rocks that were melted, and to various other changes that take place within a volcano's magma chamber prior to an eruption (Glascock 2002:612). These trace elements always comprise less than 1% each of the obsidian's elemental makeup (Cobean 2002:23). The trace element composition between sources can be vastly different, sometimes over 1000% between two sources (Cobean 2002:23; see also Stross et al. 1976, Table 13.1 for variation of trace elements within Mesoamerican obsidian sources). Variation within a flow usually amounts to less than 40% difference in trace element concentrations, though there are known exceptions (Bowman et al., 1973; Zeitlin and Heimbuch 1978, cited in Cobean 2002). The relative homogeneity of trace elements within an obsidian source allows archaeologists to associate artifacts found in archaeological sites to obsidian sources bearing the same trace element signature. In order to properly identify the chemical signature of an obsidian flow source area, "numerous samples from different flows and other geological contexts need to be analyzed for 10-20 trace elements" (Cobean 2002:31).

Beyond the typological analysis of obsidian discussed above, a number (N=82) of obsidian samples from the lower Río Verde Valley were submitted to the University of Missouri Research Reactor (MURR) for geochemical analysis to identify sources of obsidian. A variety of methods can and have been used for chemically sourcing obsidian, each with their own strengths and weaknesses (Glascock et al. 1998). For this project, X-Ray Fluorescence (XRF) and Neutron Activation Analysis (NAA) were selected to identify the geological provenience of the 82 obsidian artifacts for just those reasons.

XRF was the method of choice for the bulk of the samples, as it is a non-destructive process that leaves the artifact intact and does not make the sample radioactive, analysis of artifacts using XRF requires minimal preparation, the process is quick, easy to use, and, most importantly, it is cost-effective (Shackley 2010:8-9). However, the sources of three samples were unable to be identified due to their small, thin size and/or irregular shape (Glascock personal communication, 2011). XRF has limits related to the size of artifacts, so two of the three samples were run using NAA instead to determine their sources. NAA is a much more accurate method, offering “excellent sensitivity, precision, and accuracy for a large number of elements” (Glascock 2011b). It can also be used for analyzing much smaller artifacts than XRF. However, the method is more time consuming and expensive than XRF, and it forces a portion of the artifact to be destroyed by making the sample radioactive. The following section discusses the methodologies behind XRF and NAA sourcing techniques.

For this study, a hand-held XRF spectrometer was used to analyze the obsidian sample. An X-ray beam was emitted into each sample for 180 seconds each, measuring levels of K, Ti, Mn, Fe, Zn, Ga, Rb, Sr, Y, Zr, Nb, Pb, and Th (Glascock 2011b). Using the extensive obsidian

reference collection at the MURR's disposal the XRF spectrometer was calibrated using compositional data acquired from eleven well-known Mesoamerican sources and three Peruvian sources². For provenience results using XRF, the elements Rb and Nb were used to assign particular sources. The results of this analysis are discussed in Chapter 5.

The increase in trace elements that NAA can test for means the method allows for much greater accuracy in determining an artifact's geological provenience. Because three of the artifacts were too small to be analyzed using XRF, the accuracy of NAA allowed for the successful identification of the artifacts' source. The results of the NAA sourcing analysis are discussed in Chapter 5.

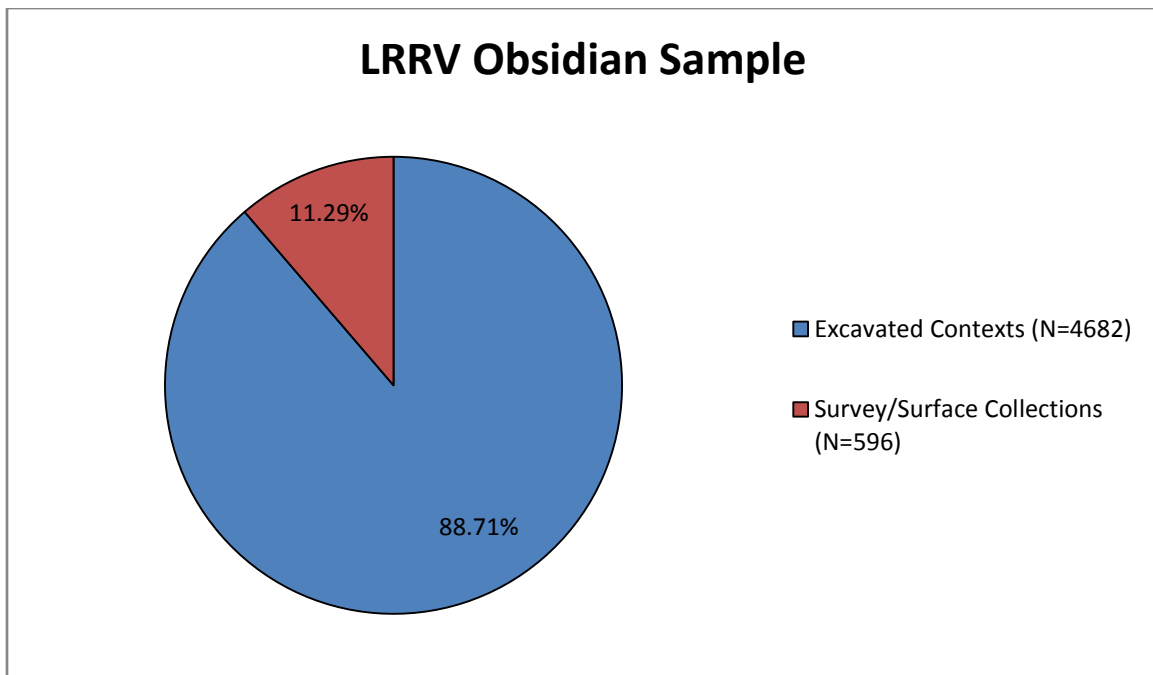
The obsidian assemblage of the lower Río Verde Valley

A total of 5278 obsidian artifacts were analyzed from sites throughout the lower Río Verde Valley for this study. The excavated sample of artifacts includes 4682 pieces of obsidian, or 88.71% of the entire assemblage. Samples collected through various surveys of the lower Verde account for the remaining 11.29% (N=596) obsidian artifacts analyzed (Figure 3.02). These 5278 artifacts were those available to me for analysis either in Mexico or in the United States. A number of known obsidian artifacts (N=1742) were not available for analysis. The 61 pieces of obsidian analyzed by Elam (1993; Elam et al. 1994) and Joyce and colleagues (1995) were not identified in the laboratory in Oaxaca City; these samples are in the possession of a colleague of the late Michael Elam (L. Anovitz personal communication, 2011). Another 1188 of these known artifacts were previously analyzed by Levine (2007) for his dissertation work at

² The Mesoamerican sources are El Chayal, Ixtepeque, San Martin Jilotepeque, Guadalupe Victoria, Pico de Orizaba, Otumba, Paredón, Sierra de Pachuca, Ucareo, Zaragoza, and Zacualtipan. The Peruvian sources are Alca, Chivay, and Quispisisa.

Postclassic Tututepec (Yucudzaa). These samples are currently located at the community museum in the town of Yucudzaa and were not available for analysis. There are also other obsidian artifacts that could not be located for this analysis, such as a larger sample from Joyce's (1991a) excavations at Río Viejo and Cerro de la Cruz (Joyce personal communication, 2010); the artifacts constitute Spores' (1990) analysis of 493 pieces of obsidian from those sites.

Figure 3.02 Proportions of excavated and surface-collected obsidian from the lower Río Verde Valley



All artifacts were analyzed using the methods discussed above, with the exception of the 596 surface-collected artifacts. This subset of the sample was only analyzed in bulk rather than on an individual artifact basis. This was partially due to time constraints, but the main reason for bulk analysis was because the primary goal of the study is to identify changing trends through time of obsidian acquisition and consumption. Samples collected from the surface do not have clear temporal context unless they are associated with diagnostic ceramics or other

artifact types. Even then, it is possible that either the obsidian artifacts or the potential diagnostic artifacts were deposited at completely different points of time. The 596 samples analyzed in bulk were merely counted and weighed on a bag by bag basis; individual artifacts within each bag were counted and basic descriptions were noted (Tables A.39-A.43), but individual artifacts were not measured for length, width, etc.

Table 3.01 illustrates the artifact variation among all sites with an available obsidian assemblage. Nearly two-thirds (N=3516; 66.64%) of the entire obsidian collection consists of prismatic blade fragments; additionally, less than one-quarter of one percent (N=11; 0.21%) of the assemblage is made of up core fragments. Flakes and other debitage make up 32% (N=1686) of the sample. While the high numbers of prismatic blade fragments and low number of cores may seem to suggest that blades were produced in other regions before being brought to the lower Río Verde Valley, this is probably relatively unlikely. One polyhedral core can produce upwards of 200 blades (which is a conservative estimate), and each whole blade could be broken up into at least four fragments (one proximal, one distal, and at least two medial segments) (P. Sheets 2012, personal communication). This means that the total number of cores collected from the region could have potentially produced far more prismatic blades than have been collected thus far (i.e., eleven cores could have produced at least 2200 whole blades, or at least 8800 blade segments). This lends to the possibility, and I would argue, that local blade production was occurring much more frequently in the lower Verde than originally believed. Additionally, the majority of cores and core fragments (N=6, 54.55%) were recovered from surface collections (Figure 3.03). Out of the twelve sites where excavations have been conducted, only three—Tututepec (N=1), San Francisco de Arriba (N=1), and Río Viejo (N=3)—

Table 3.01 Lower Río Verde Valley obsidian assemblage by site and artifact type

Lower Río Verde Valley Obsidian Artifacts												
Site	Projectile				Flakes and				Eccentric		Ear Spool	
	Prismatic Blades		Points/Bifaces		Cores		Debitage					
	Ct.	%	Ct.	%	Ct.	%	Ct.	%	Ct.	%	Ct.	%
<i>Río Viejo</i>	2047	77.63	6	0.23	3	0.11	580	21.99	1	0.04	0	0.00
<i>San Francisco de Arriba</i>	625	61.52	11	1.08	1	0.10	379	37.30	0	0.00	0	0.00
<i>Charco Redondo</i>	123	66.49	5	2.70	0	0.00	56	30.27	0	0.00	1	0.54
<i>Yugüe</i>	99	68.75	1	0.69	0	0.00	44	30.56	0	0.00	0	0.00
<i>Cerro de la Virgen</i>	39	48.75	1	1.25	0	0.00	40	50.00	0	0.00	0	0.00
<i>Corozo</i>	35	79.55	0	0.00	0	0.00	9	20.45	0	0.00	0	0.00
<i>Campo Montealegre</i>	2	100.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
<i>Cerro del Chivo</i>	9	100.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00
<i>La Consentida</i>	0	0.00	2	0.45	0	0.00	442	99.55	0	0.00	0	0.00
<i>Barra Quebrada</i>	3	50.00	0	0.00	0	0.00	3	50.00	0	0.00	0	0.00
<i>Cerro de la Cruz</i>	0	0.00	0	0.00	0	0.00	16	100.00	0	0.00	0	0.00
<i>Tututepec</i>	86	86.87	0	0.00	1	1.01	12	12.12	0	0.00	0	0.00
<i>RVSP/RS Survey*</i>	39	97.50	0	0.00	0	0.00	1	2.50	0	0.00	0	0.00
<i>Salinas Quemada*</i>	3	13.04	19	82.61	0	0.00	1	4.35	0	0.00	0	0.00
<i>General Survey*</i>	406	76.18	18	3.38	6	1.12	103	19.32	0	0.00	0	0.00
TOTALS:	3516	66.64	63	1.19	11	0.21	1686	31.92	1	0.02	1	0.02

*Survey Collection

Figure 3.03 Exhausted polyhedral core; Artifact Surv-023 (photograph by the author)



have recovered cores or core fragments, and all but one of these core fragments were polyhedral cores, resulting from the production of prismatic blades. To this point, no obsidian workshops have been identified within the lower Verde (see Clark 2003a:27-30 or Moholy-Nagy 1990 for descriptions of what constitutes a workshop). If any large-scale obsidian tool production was occurring within the lower Verde, more extensive evidence of primary working areas would be expected

Other blade production evidence includes rejuvenation flakes, core/platform preparation flakes, and platform removal flakes (Figures 3.04 and 3.05). Approximately 45 preparation, removal, or rejuvenation flakes were collected from seven sites in the region, including Río Viejo (N=17), San Francisco de Arriba (N=18), Yugüe (N=5), Cerro de la Virgen

Figure 3.04 Rejuvenation flake; SFA99-022m (photograph by the author)



Figure 3.05 Platform preparation flake; Surv-044 (photograph by the author)



(N=2), Charco Redondo (N=1), Tututepec (N=1), and Cerro del Chivo (N=1). Of those 45 rejuvenation or platform preparation flakes, 25 (55.56%) were gray in color, 19 (42.22%) were green, and one was black. These artifacts represent preparation for the production of or repair during the production of prismatic blades within the lower Río Verde Valley.

Other types of tool manufacture are explained by the higher proportions of chunks, flakes, and flake fragments, suggesting that lower Verde populations through time did have access to larger nodules of obsidian, but they were generally reducing cores for an expedient flake technology. This would involve removing flakes from a core and simply using those flakes as tools for cutting, scraping, or other utilitarian purposes instead of fashioning them into distinctive tools. The reduction of nodules or cores for this type of tool-making could leave minimal evidence of the original core.

Evidence of prismatic blades being retouched to form new tool types (e.g., projectile points) is supported by the high proportions of bifacially flaked prismatic blades. Out of 63 bifacial tools or tool fragments, at least 41 (65.08%) are distinctively made from the retouching of prismatic blades (Figures 3.06-3.09). Another similar category of artifacts collected from the lower Río Verde Valley is that of scrapers formed from retouched prismatic blade fragments (Figures 3.10 and 3.11). These artifacts are unifacially retouched at one end of a prismatic blade to form a scraping tool. Based on this analysis, at least eight of these artifacts have been identified throughout the region from Tututepec, San Francisco de Arriba, and from surface collections at Cabeza de Vaca and site RV116. While each appears to be the distal end of a prismatic blade retouched into a scraper, it is possible that medial or proximal blade segments were retouched into scrapers as well. Two of the surface collected artifacts do appear to be

Figure 3.06 Retouched prismatic blade forming a projectile point; RV1-016a (photograph by the author)



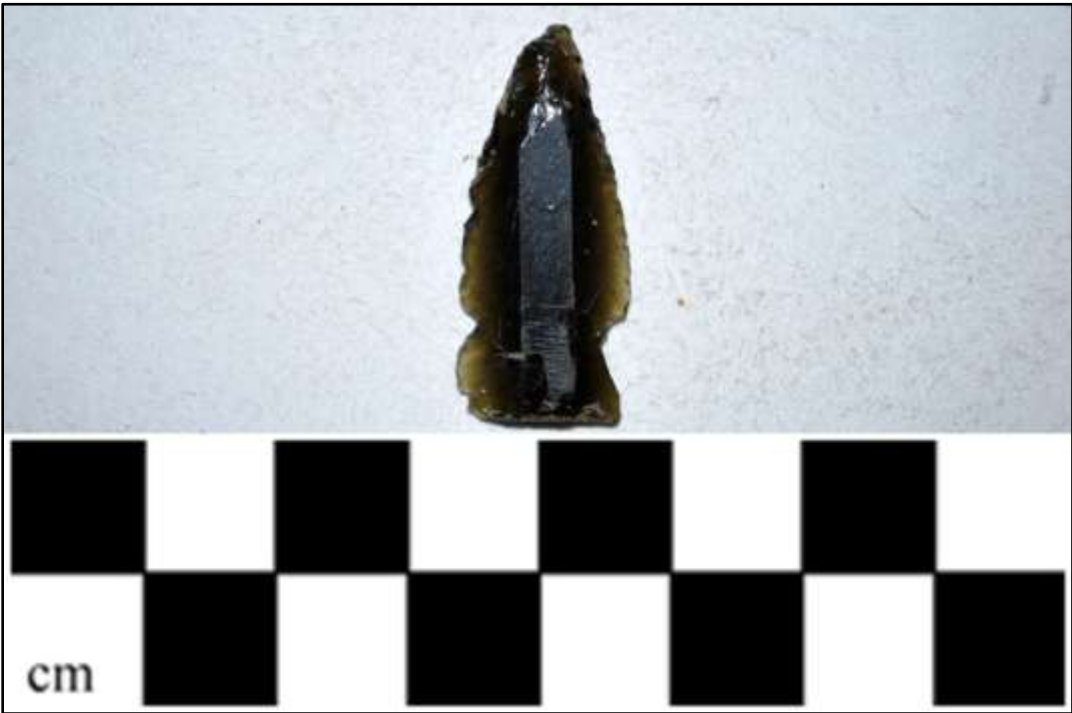
Figure 3.07 Bifacially retouched prismatic blade; RV13-10a (photograph by the author)



Figure 3.08 Retouched prismatic blade forming a projectile point; CR09-4015a (photograph by the author)



Figure 3.09 Retouched prismatic blade forming a projectile point; Surv-020 (photograph by the author)



medial segments based on the lack of curvature of the artifact. Among the scrapers, six (66.67%) are green in color; the remaining two scrapers are gray

The production of scraping tools out of prismatic blades suggests that prehispanic populations in the lower Río Verde Valley were utilizing their obsidian, and their tools in particular, more extensively than would have been necessary if an abundance of obsidian was present. By that I mean that the blades would not necessarily need to be transformed into a different tool type (e.g., projectile point or scraper) if a lot of raw obsidian was entering the region at this time. Scraping tools could be fashioned out of flakes from production of prismatic blades or other stone tools instead of retouching other tools. However, since the tools were found within a residence (at least at Tututepec), it is possible that the tools were simply retouched on an as-needed basis within the household for any number of scraping or cutting purposes. Unfortunately, the lack of other scrapers in the region does not allow for a better answer to this dilemma.

Two additional artifacts of interest have also been collected from sites in the lower Río Verde Valley: a flaked eccentric item and an obsidian ear spool. Flaked stone eccentrics like this (Figure 3.12) are generally found throughout Mesoamerica in association with burial deposits and/or ceremonial caches (Agurcia and Fash 1997; Pendergast 1990, cited in Titmus and Woods 2003). This flaked obsidian eccentric item appears to be in the shape of a stylized bird (King 2003:234), and was found just west of the burials within Structure 8-8 at Río Viejo. This is the only obsidian eccentric found to date in the lower Río Verde Valley. The ear ornament (Figures 3.13 and 3.14) is one of the more unique obsidian artifacts found in the lower Río Verde Valley. Only Levine (2007:303) mentions an obsidian ear spool from Tututepec; no other identifiable

Figure 3.10 Top view of select scrapers from the LRRV; A: SFA99-160d, B: SFA99-166c, C: Surv-038, D: Surv-042 (photograph by the author)



Figure 3.11 Distal ends of scrapers showing flaking; A: PRV03-1000f, B: SFA99-166c, C: PRV03-1000g, D: SFA99-160d, E: MNL-020 (Res. A), F: MNL-008 (Res.A) (photograph by the author)

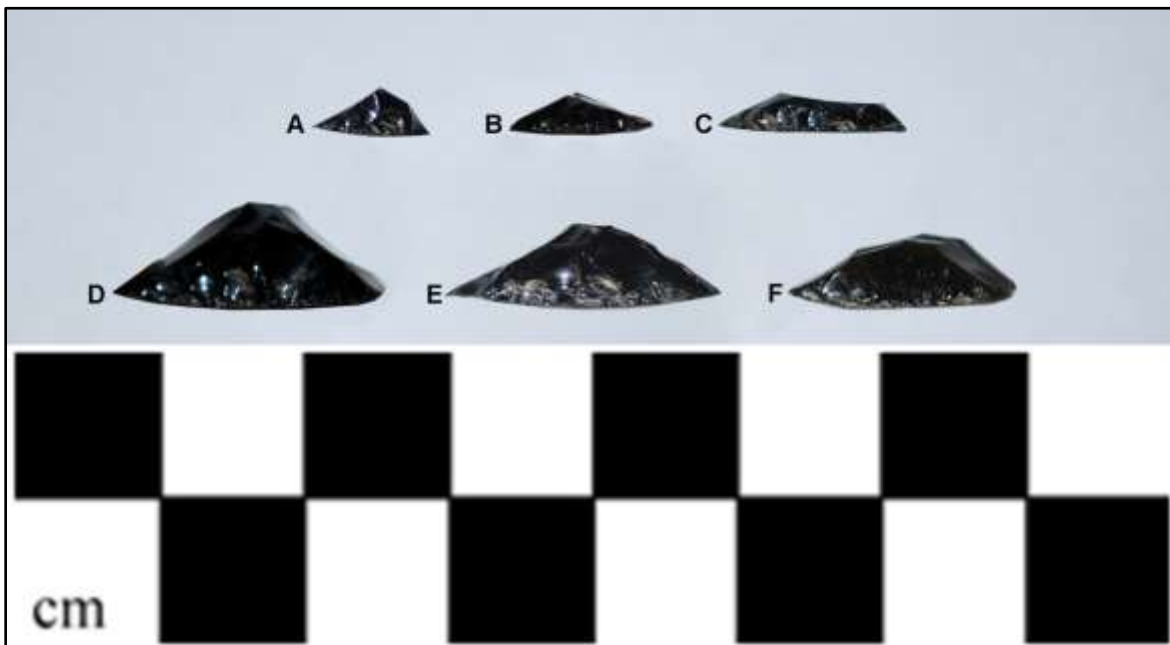


Figure 3.12 Obsidian eccentric from RVOB Structure 8-8; RVOB-445d (photograph by the author)



Figure 3.13 Ear spool from CR09; CR09-4250a (photograph by the author)



Figure 3.14 Ear Spool from CR09; CR09-4250a (photograph by the author)



Table 3.02 Lower Río Verde Valley obsidian by site and color

Lower Rio Verde Valley Obsidian Artifacts													
Site	Color	Prismatic Blades		Projectile Points/Bifaces		Cores		Flakes and Debitage		Eccentric		Ear Spool	
		Ct.	%	Ct.	%	Ct.	%	Ct.	%	Ct.	%	Ct.	%
<i>Río Viejo</i>	<i>Black</i>	37	74.00	1	2.00	-	-	12	24.00	-	-	-	-
	<i>Clear</i>	296	73.45	-	-	-	-	107	26.55	-	-	-	-
	<i>Gray</i>	1056	71.35	3	0.20	3	0.20	417	28.18	1	0.07	-	-
	<i>Green</i>	659	93.61	2	0.28	-	-	43	6.11	-	-	-	-
<i>San Francisco de Arriba</i>	<i>Black</i>	5	71.43	-	-	-	-	2	28.57	-	-	-	-
	<i>Clear</i>	-	-	-	-	-	-	3	100.00	-	-	-	-
	<i>Gray</i>	82	28.57	6	2.09	-	-	199	69.34	-	-	-	-
	<i>Green</i>	538	74.83	5	0.77	1	0.14	175	24.34	-	-	-	-
<i>Charco Redondo</i>	<i>Black</i>	1	100.00	-	-	-	-	-	-	-	-	-	-
	<i>Clear</i>	31	65.96	3	6.38	-	-	13	27.66	-	-	-	-
	<i>Gray</i>	52	55.32	1	1.06	-	-	40	42.56	-	-	1	1.06
	<i>Green</i>	39	90.69	1	2.33	-	-	3	6.98	-	-	-	-
<i>Yugüe</i>	<i>Black</i>	1	50.00	-	-	-	-	1	50.00	-	-	-	-
	<i>Clear</i>	-	-	-	-	-	-	1	100.00	-	-	-	-
	<i>Gray</i>	5	13.51	-	-	-	-	32	86.49	-	-	-	-
	<i>Green</i>	93	89.42	1	0.96	-	-	10	9.62	-	-	-	-
<i>Cerro de la Virgen</i>	<i>Black</i>	-	-	-	-	-	-	1	100.00	-	-	-	-
	<i>Gray</i>	3	15.79	1	5.26	-	-	15	78.95	-	-	-	-
	<i>Green</i>	36	60.00	-	-	-	-	24	40.00	-	-	-	-
<i>Corozo</i>	<i>Black</i>	1	100.00	-	-	-	-	-	-	-	-	-	-
	<i>Clear</i>	1	50.00	-	-	-	-	1	50.00	-	-	-	-
	<i>Gray</i>	29	80.56	-	-	-	-	7	19.44	-	-	-	-
	<i>Green</i>	4	80.00	-	-	-	-	1	20.00	-	-	-	-
<i>Campo Montealegre</i>	<i>Gray</i>	2	100.00	-	-	-	-	-	-	-	-	-	
<i>Cerro del Chivo</i>	<i>Gray</i>	8	100.00	-	-	-	-	-	-	-	-	-	
	<i>Green</i>	1	100.00	-	-	-	-	-	-	-	-	-	
<i>La Consentida</i>	<i>Black</i>	-	-	-	-	-	-	7	100.00	-	-	-	-
	<i>Clear</i>	-	-	1	0.33	-	-	300	99.67	-	-	-	-
	<i>Gray</i>	-	-	1	0.74	-	-	135	99.26	-	-	-	-
<i>Barra Quebrada</i>	<i>Gray</i>	-	-	-	-	-	-	3	100.00	-	-	-	-
	<i>Green</i>	3	100.00	-	-	-	-	-	-	-	-	-	
<i>Cerro de la Cruz</i>	<i>Black</i>	-	-	-	-	-	-	1	100.00	-	-	-	-
	<i>Gray</i>	-	-	-	-	-	-	15	100.00	-	-	-	-

Table 3.02 cont.

Site	Color	Prismatic Blades		Projectile Points/Bifaces		Cores		Flakes and Debitage		Eccentric		Ear Spool	
		Ct.	%	Ct.	%	Ct.	%	Ct.	%	Ct.	%	Ct.	%
<i>Tututepec</i>	<i>Clear</i>	31	86.11	-	-	-	-	5	13.89	-	-	-	-
	<i>Gray</i>	48	85.71	-	-	1	1.79	7	12.50	-	-	-	-
	<i>Green</i>	7	100.00	-	-	-	-	-	-	-	-	-	-
<i>Salinas Quemada</i>	<i>Green</i>	3	13.04	19	82.61	-	-	1	4.35	-	-	-	-
<i>Río Verde Settlement Pattern Project Survey (1994-1995)</i>	<i>Gray</i>	3	75.00	-	-	-	-	1	25.00	-	-	-	-
	<i>Green</i>	36	100.00	-	-	-	-	-	-	-	-	-	-
<i>Regional Surface Survey (2000)</i>	<i>Black</i>	1	100.00	-	-	-	-	-	-	-	-	-	-
	<i>Clear</i>	28	80.00	1	2.86	-	-	6	17.14	-	-	-	-
	<i>Gray</i>	97	74.05	7	5.34	1	0.76	26	19.85	-	-	-	-
	<i>Green</i>	281	76.77	10	2.73	5	1.37	70	19.13	-	-	-	-
TOTALS:		3519	66.58	63	1.19	11	0.21	1690	31.98	1	0.02	1	0.02

fragments have been collected thus far. Manufacturing an ear spool out of obsidian was the work of a master craftsman (see Thomsen and Thomsen 1970).

The above section briefly described the obsidian assemblage of the lower Río Verde Valley. Because a majority of the obsidian artifacts were collected from surface collections or construction fill, and, thus, do not provide great contextual data, those contexts will not be discussed further. Table 3.03 summarizes the obsidian data by site and excavation year; more complete data can be found in the tables included in Appendix A. The samples described in Chapters 4 and 5 come from primary contexts, such as occupational surfaces or middens (i.e., trash deposits).

Throughout this chapter I have described the methods used for both the typological and geochemical analyses of obsidian artifacts from the lower Río Verde Valley, Oaxaca. I have also

discussed the entire assemblage of obsidian artifacts from the lower Verde. In the following chapters I will present a diachronic analysis of artifact types (Chapter 4) and of specific obsidian sources utilized through time (Chapter 5).

Table 3.03 Artifact counts by site and excavation year operation

Site/ Excavation Year	Operation	# Blades	# Flakes/ debitage	#Proj. pts/ bifaces	# Cores	Total	CE/M ¹	CE/M s.d.
RV88	A	38	5			43	9.790	3.720
	B	64	17			81	7.769	2.718
	C	2				2	6.298	0.226
	D	16	1			17	7.833	3.773
	E	54	6	1		61	9.013	3.397
	F	18	5		1	24	8.462	3.896
	9	2				2	4.456	0.310
	Bur. 17	4				4	7.190	1.535
	Bur. 7			3		3	-	-
Other	12	7			19	8.975	2.715	
RV94/95	94A	1	1			2	5.707	-
	94B	1	1			2	5.553	-
	94C	12	37			49	13.213	11.180
	94D	19				19	5.684	3.170
	95B	5	4			9	8.500	1.419
	95C	3	1			4	7.010	3.714
	95D	1				1	6.404	-
	95E	2				2	9.217	2.360
	95F	1	7			8	11.926	-
	95G	8	3			11	8.074	4.301
95I	2				2	11.868	8.707	
RV00A	1	78	24			102	7.791	2.966
	2	22	12			34	7.770	2.979
	3	9		1		10	8.878	2.506
	4	2				2	7.906	5.463
	5	38	10	1		49	9.316	3.861
	Patio	139	33			172	8.187	2.821
	Other	243	100		2	345	9.820	11.231
RV00A-2 (Sourcing)	Str. 1, 5	42	12			54	8.432	5.356
RV00B	2	2				2	6.254	0.932
	3	14	3			17	7.986	3.243
	4	202	34			236	8.332	3.295
	7	328	82			410	9.214	5.661

¹ Cutting Edge/Mass (CE/M) ratio and CE/M standard deviation (s.d.) calculated by operation as described in Chapter 3

Table 3.03 cont.

Site/ Excavation Year	Operation	# Blades	# Flakes/ debitage	#Proj. pts/ bifaces	# Cores	Total	CE/M	CE/M s.d.
RV00B	8	207	62	3*		272	8.079	3.791
	9	23	3			26	7.490	2.275
	10	12				12	12.964	10.198
	12	50	10			60	9.126	4.016
	Other	125	43			168	9.214	3.770
RV09	A	41	26	1		68	9.656	4.635
	B		1			1	-	-
	C	45	3			48	8.804	3.158
	D	20	2			22	9.132	3.667
	E	70	3			73	8.282	2.692
	F	35	5			40	8.526	2.029
	G	7	4			11	6.541	3.155
	H	7	2			9	9.115	5.356
	I	24	5			29	7.249	2.530
SFA99	A	179	60	2	1	242	8.406	4.519
	B	33	18	1		52	7.116	3.964
	D	7				7	7.567	2.999
	E	54	23	2		79	8.328	4.591
	F	71	131	2		204	7.613	4.735
	G	44	75			119	7.822	3.175
	H	19	12			31	7.847	3.037
	I	91	32	2		125	8.197	3.451
	J	25	10	2		37	8.625	5.789
	K	18	7			25	8.454	2.896
	L	83	11			97	8.071	3.213
	CR86	All	92	52	2		145	6.085
CR09	A	30	4	4	1**	39	4.792	1.381
	B	1				1		
LC09	A		30			30		
	B		413			413		
YG00	B	1	2			3		
	C	4	2			6	11.359	7.866
YG03	1	62	29			91	8.001	3.508
	2	31	9	1		41	5.928	2.227

*Total includes one eccentric; **Total includes ear spool

Table 3.03 cont.

Site/ Excavation Year	Operation	# Blades	# Flakes/ debitage	#Proj. pts/ bifaces	# Cores	Total	CE/M	CE/M s.d.
VR03	1	33	38	1		72	5.366	2.397
	2	5	2			7	3.777	1.480
	4	1				1		
TAP05	A	59	9		1	69	5.173	2.538
	B	27	3			30	4.940	2.889
CO00	A	21	7			28	9.575	4.131
	D	14	2			16	9.278	4.438
CV00	A	1				1		
	C	8				8	7.168	2.162
CM00	A	1				1		
	B	1				1		
CC88			16			16		
Average:							8.037	3.729

Chapter 4

Diachronic Analysis of Obsidian Artifacts from the Lower Río Verde Valley

In this chapter I present the results of my analysis of all obsidian artifacts (N=2308) collected from primary contexts from the lower Río Verde Valley in order to identify which artifacts types were common throughout each prehispanic period. These artifacts constitute just over one-third (33.15%) of the entire obsidian assemblage from the lower Río Verde Valley, including all artifacts (N=5278) analyzed for this study and all objects (N=1684) that were not available for this analysis. The number of artifacts associated with each time period varies greatly based on the amount of primary context corresponding to the same period (Table 4.01). This is partly due to the quantity of excavation conducted at various sites, and partly due to the high quantities of construction fill encountered in excavations. Since most archaeological work conducted in the lower Río Verde Valley has focused on the excavation of earthen mounds, much of the sediment encountered corresponds directly to the construction of those mounds, and the quantity of primary contexts constitutes a much lower percentage of the volume excavated. The nearly one-third of the total of artifacts that have come from primary contexts is significant and should allow for a sufficient analysis to determine if and when obsidian technology changed through time in the region. This diachronic analysis will include comparative data, when available, to identify whether the artifact trends present in the lower Verde mirror those found across Mexico at the same time. The complete analysis of each artifact can be found in Appendix A.

This type of analysis is not without its issues however. In examining each prehispanic time period broadly in terms of the obsidian artifacts can create a bias in terms of the types of

activities occurring in the lower Río Verde Valley through time. It is possible, and, in fact, very likely, that the obsidian artifacts from each period were not used for the same purpose(s). However, by looking at the primary contexts from each period, we can get a good look at the broad patterns of obsidian use, consumption, and the level of technology through time.

Early Formative obsidian use

The Early Formative in Mesoamerica marks the beginning of a very identifiable series of cultural changes, including sedentary villages and ceramic technologies, which make their first appearance at this time (Flannery 2006 [1976]; Joyce 2010:72). This makes the Early Formative much more visible archaeologically than previous periods. Populations also began expanding across Mesoamerica at this time, further accounting for an increase in archaeological sites. Related to this is the development of far-reaching networks of obsidian acquisition and distinctive systems of tool production.

Obsidian artifacts from La Consentida display an entirely different kind of assemblage in the lower Río Verde Valley than is seen at other sites in the region. An expedient flake technology is present while prismatic blade technology is completely absent. La Consentida represents the earliest known prehispanic occupation within the lower Río Verde Valley. A calibrated radiocarbon date of 1908-1692 cal BC was calculated (Hepp 2011) placing La Consentida within the Early Formative period, making La Consentida the only site in the lower Río Verde Valley with primary Early Formative contexts. Joyce (1991a:409) collected 23 pieces of obsidian from a single test pit at La Consentida; 11 of those artifacts were flakes, and 12 were chunks. Another 444 artifacts were collected from Hepp's (2011) excavations at on Mound 1.

Among the 467 total artifacts collected from these excavations at La Consentida, just over half (N=237; 50.75%) were flake fragments. Another 118 (25.27%) were chunks, 110 (23.55%) were complete flakes, and two (0.43%) were possible bifacial implements. As Clark (1987:261) notes: “Early Formative peoples all over Mesoamerica shared this simple, expedient [direct percussion, bipolar percussion, or a combination of the two] technology.” This early technology was characterized by “the presence of numerous, small, ‘amorphous’ flakes, large quantities of flake shatter [i.e., chunks], and, frequently the poor quality of the obsidian itself” (Clark 1987:261).

The bifaces are both very small, probably exhausted, and have pseudo-point-like shapes. These two (potential) tools may represent a specialized type of local manufacture, but until more excavations are undertaken and more of these artifacts are found, the idea of specialized tool manufacture is only speculative. The other obsidian artifacts do not appear to be utilized or special in any other way. This pattern is comparable to similar assemblages that have been identified in Early Formative contexts elsewhere in Oaxaca (Blomster and Glascock 2010; Parry 1987; Pires-Ferreira 1975; Winter 1984; Zeitlin 1978, 1979, 1982), the Basin of Mexico (Boksenbaum 1977, 1980, cited in Clark 1987; Boksenbaum et al. 1987; Tolstoy et al. 1977), the Olmec Heartland along the Gulf Coast of Veracruz and Tabasco (Clark 1987; Cobean et al. 1971; De León 2008), in the Tuxtla Mountains (Santley 2007), and the Central Depression and Pacific coast of Chiapas (Clark 1987; Clark and Lee 1984).

Zeitlin (1978, 1979) notes that a single prismatic blade was recovered from Early Formative Lagunita Phase (1500-1100 BC) contexts at Laguna Zope, a coastal site located in the Southern Isthmus of Tehuantepec. The other obsidian artifacts found in these levels were

Table 4.01 Primary context counts of obsidian artifacts by site³

Chronological Period	Site	Primary Context	No. of artifacts	Total No. of Artifacts by Period
Late Postclassic Yucudzaa Phase	Tututepec	Residence A and B middens	99 (analyzed); 1089 (Levine 2007)	1188
Early Postclassic Yugüe Phase	Río Viejo	RV0A occupational surfaces and middens (F14, F23/24); RV0B Burial 27	86; 3	89
Late Classic Yuta Tiyoo Phase	Río Viejo	RV09 Op. E midden; RV0B F5	38; 1	39
Early Classic Coyuche Phase	San Francisco de Arriba	Op. 99A & 99L obsidian deposit	270	280
	Río Viejo	RV88: Burials 7, 17, & 21	9	
	Cerro del Chivo	2000: Op. C Lvl. 15	1	
Late Terminal Formative Chacahua Phase	San Francisco de Arriba	Op. 99F-F2; Op. 99F-F8	70	71
	Yugüe	2003: Op. B sheet midden	1	

³ Early Formative artifacts were collected from redeposited construction fill in Operations A and B from the 2009 excavations at La Consentida (Hepp 2011). Middle Formative artifacts from San Francisco de Arriba were collected from a fill layer in Operation 97E (Workinger 2002). Middle Formative artifacts from Cerro de la Cruz were collected from stratum N3, an occupational surface, in Operation C (Joyce 1991a). Middle Formative artifacts from Río Viejo were collected from strata N5 and N6, occupational surfaces, in Operation B (Joyce 1991a). Late Formative artifacts from San Francisco de Arriba were collected from occupational surfaces and fill episodes in Operations 97E, 99E, and 99I (Workinger 2002). Late Formative artifacts from Yugüe were collected from a midden in Operation C (Barber 2009a). Late Formative artifacts from Cerro de la Cruz were collected from Feature 5 in Operation C, Feature 10 in Operation F, and Feature 8 from Operation I, all occupational surfaces or middens, as well as from flotation samples (Joyce 1991a). Late Formative artifacts from Río Viejo were collected from Features 48 and 50, both middens (Joyce 1991a). Early Terminal Formative artifacts from Río Viejo were collected in Features 4, 5, 9, and 10, midden deposits and pit features (Joyce 1991a). Late Terminal Formative artifacts from San Francisco de Arriba were collected from occupational surfaces in Operation 99F, strata F2 and F8 (Workinger 2002). Late Terminal Formative artifact from Yugüe was collected from a sheet midden in Operation B (Barber 2005). Early Classic artifacts from San Francisco de Arriba were collected from a dumping episode which was redeposited into Terminal Formative period strata (Workinger 2002). An Early Classic artifact from Cerro del Chivo was collected from a trash midden in Operation C (Barber 2009a). Early Classic artifacts from Río Viejo were collected from Burials 7, 17, and 21 (Joyce 1991a). Late Classic artifacts were collected from a trash midden adjacent to the sunken patio at Río Viejo (Barber and Baillie 2011a, 2011b). Early Postclassic artifacts from Río Viejo were collected from Features F14 and F23/24, an occupational surface and midden excavated in Operation RV0A (Joyce et al. 2001), and from Burial 27 in Operation RV0B (King 2003). Late Postclassic artifacts were collected from occupational surfaces within Residences A and B at Tututepec (Levine 2007).

Table 4.01 cont.

Chronological Period	Site	Primary Context	No. of artifacts	Total No. of Artifacts by Period
Early Terminal Formative Miniyua Phase	Río Viejo	RV88: F4, F5, F9, F10	15	15
Late Formative Minizundo Phase	Cerro de la Cruz	CC88: Op C-F5, Op. F-F10, Op. I-F8; Floatation samples	106	155
	Río Viejo	RV88: F48, F50	13	
	San Francisco de Arriba	Op. 97E; Op. 99E; Op. 99I	34	
	Yugüe	2000: Op. C Lvl. 16-17	2	
Middle Formative Charco Phase	Cerro de la Cruz	CC88: Op. C-N3	1	6
	Río Viejo	RV88: Op. B-N5 & N6	3	
	San Francisco de Arriba	Op. 97E	2	
Early Formative	La Consentida	Op. A & B excavations (redeposited E.F.); 1988 test pit	444; 23	467
TOTAL:				2310

“almost exclusively of small unretouched flakes, flake fragments, and flaking debris” (1978:188). The similarity of the Early Formative obsidian at Laguna Zope with that from La Consentida is particularly interesting. Disregarding the single prismatic blade, it appears that Laguna Zope had a nearly identical collection of obsidian to La Consentida. The lack of formalized tools—with the exception of two possible bifacially flaked tools—supports the argument that an expedient flake technology was practiced across the southern Pacific coast of Oaxaca during this time. The lack of prismatic blades at La Consentida likely reflects the very early date of occupation at the site. Prismatic blades are rarely collected from site contexts prior to 1400-1100 BC (though see MacNeish et al. 1967:22; Niederberger 1976 [cited in De

León 2008] for examples of prismatic blade-like artifacts in Archaic period contexts in Mesoamerica). This means that paucity of blades prior to the Middle Formative in the lower Río Verde Valley (i.e., at La Consentida) probably simply reflects a gap in contexts between the Early Formative and Middle Formative periods. What this means is that we could expect prismatic blades to appear in contexts dating to around 1400 BC or slightly later (i.e., the late Early Formative), but until contexts that date to that period are identified this is only speculative.

Middle Formative obsidian use

The Middle Formative Charco Phase (700-400 BC) marks a major increase in regional population, corresponds to a new era of social interaction throughout Oaxaca, and Mesoamerica as a whole. Archaeological evidence indicates that social practices like crafting, long-distance exchange, the creation of bodily ornamentation, and various rituals like feasting and gift-giving continued at this time (Joyce 2010:104). Public buildings were also constructed, and inequalities of wealth and status began to appear. Along with new levels and types of social interaction came far-reaching exchange networks between different regions of Mesoamerica. Such networks were involved in the exchange and trade of prestige goods, ideologies, and raw materials, such as obsidian, for both utilitarian and ritual use. In the lower Río Verde Valley, these exchange networks are illustrated by the first presence of prismatic blades in the region.

Obsidian data from the Middle Formative in the lower Río Verde Valley are very limited. Charco contexts in the lower Verde have been relatively minimal and those that have been excavated, which include Middle Formative stratum at Cerro de la Cruz, Corozo, and Río Viejo,

have uncovered very little in the way of obsidian artifacts. Additionally, the artifacts that were collected date to the latter part of the period (ca. 700-400 BC). None of the artifacts were available for analysis for this study. One piece of shatter was collected from at Cerro de la Cruz (Joyce 1991a), and only three artifacts—a flake, a chunk, and a medial prismatic blade fragment—were found at Río Viejo (Joyce 1991a). Workinger (2002:310) also notes that two obsidian flakes were uncovered in 1997 during initial testing at San Francisco de Arriba, but no further Charco contexts were identified in later excavations. While the assemblage from the Middle Formative is very limited, it is important for understanding the nature of obsidian technology in the region. The flakes and chunks suggest that some core reduction was continuing to occur within the region, though whether that reduction was for the production of expedient tools, bifacial tools, or prismatic blades is unknown at this time. The single blade fragment is the earliest known prismatic blade in the region, dating almost 300 years after the first blades appear in Early Formative sites like San José Mogote in the Valley of Oaxaca, and between 300 to 700 years after the earliest blade from Laguna Zope appeared.

It seems peculiar that La Consentida would be obtaining obsidian from no fewer than six sources during the Early Formative (see Chapter 5) but the prismatic blade technology does not appear until the late Middle Formative at Río Viejo. This is probably due to a gap in dating between the very earliest Early Formative occupations (ca. 1900 BC) and the Middle Formative (700 BC), meaning we have no securely dated contexts between La Consentida and the late Middle Formative (ca. 700-400 BC). It is entirely possible, and very likely, that prismatic blades had appeared in the lower Río Verde Valley during the 1000 year period between dated contexts. The blades may have arrived in the lower Verde shortly after their first appearances

in the Valley of Oaxaca and the Southern Isthmus of Tehuantepec, despite the relatively minimal spread of the technology throughout Mesoamerica at that time (Clark 1987:262). In fact, it is during the Middle Formative period that prismatic blade technology becomes much more dominant in archaeological assemblages, especially at sites like La Libertad, Chiapas (ca. 700-300 BC) (Clark 1988). Several hundred prismatic blades and the associated manufacturing debitage have been collected and identified from La Libertad, indicating a high level of blade production in Chiapas during the Middle Formative, and suggesting a high level of production elsewhere in Mesoamerica (e.g., Charlton 1984; Santley 1984). Parry (1987:37-40; Figure 8e) also notes the presence of prismatic blade fragments from Valley of Oaxaca sites during the Middle Formative, though they do not appear in any great quantity. Two blade fragments (Parry 1987, Figures 12a-b) have even been retouched into projectile points, a practice not identified until later periods in the lower Río Verde Valley. Much like the lower Río Verde Valley, the obsidian sample from Middle Formative contexts in central Oaxaca is much smaller than the preceding and following periods.

The Middle Formative obsidian assemblage from the lower Río Verde Valley provides some interesting data, particularly in the presence of the earliest prismatic blade identified in the region. Unfortunately, until more Middle Formative primary contexts are identified at sites in the lower Verde, a greater understanding of the nature of obsidian technology cannot be gained.

Late Formative obsidian use

By the Late Formative, the regional hierarchy had increased to three tiers, and social inequality was ever-increasing. Workinger's (2002) excavations at San Francisco de Arriba

indicate that most of the site's public acropolis was constructed at this time, suggesting a centralized authority had developed to control large labor forces. The burials at Cerro de la Cruz (Joyce 1991a:721-775) further illustrate emerging status differences from this period. By the end of the Late Formative, Río Viejo began emerging as the political center of the lower Río Verde Valley. In terms of obsidian, prismatic blades were becoming more common, though their numbers were still overshadowed by flaking debris from expedient or bifacial tool manufacture.

The Minizundo Phase (400-150 BC) obsidian assemblage from the lower Río Verde Valley is better represented than the Middle Formative, with samples collected Río Viejo, Cerro de la Cruz, and San Francisco de Arriba; additionally artifacts from test excavations at Yugüe in 2000 have been collected (Table 4.01). Joyce's (1991a) excavations in 1988 at Río Viejo and Cerro de la Cruz uncovered several Late Formative middens and occupational layers (e.g., Features 48 and 50 at Río Viejo; Features 5, 8, and 10 at Cerro de la Cruz), Workinger (2002) found Late Formative contexts in both the 1997 and 1999 excavations, and the Yugüe excavations (Barber 2009a) identified Minizundo Phase levels in the lower levels of the Operation C test pit. The Minizundo strata from those sites contained a total of 155 obsidian artifacts, 106 from Cerro de la Cruz, 34 from San Francisco de Arriba, thirteen from Río Viejo, and two from Yugüe. However, only 23 of those artifacts were available for this analysis: fifteen from Cerro de la Cruz—which all came from flotation samples collected at the site— six from San Francisco de Arriba, and the two Yugüe artifacts. The other artifacts are reported in Joyce and colleagues' (1995) paper, Workinger's (2002) sourcing analysis, Ronald Spores' (1990) thesis, and Arthur Joyce's field notes from the 1988 excavations at Cerro de la Cruz and Río

Viejo. It should be noted that the San Francisco de Arriba artifacts did not come from primary Late Formative contexts, but instead were from redeposited or fill contexts, but the sample itself provides great information regarding the obsidian technology and sources utilized (see Chapter 5) during the Late Formative.

The artifacts collected were primarily flaking debris, with over 90 percent (90.73%; N=137) of the assemblage being flakes, flake fragments, or chunks. Only fourteen (9.27%) prismatic blade fragments were collected from Late Formative contexts in the lower Verde, but that number is a significant increase over the Middle Formative assemblage. Unfortunately, it is unclear whether any of the proximal blade fragments (three of the blades from Río Viejo and Cerro de la Cruz were proximal fragments; the sections of the San Francisco de Arriba blades are unknown) had ground platforms or not, though it seems unlikely that they would given that attribute does not become common in Mesoamerica until the Late Classic and Postclassic periods (Healan 2009). Despite the larger sample size from this period, however, the prismatic blade fragments are still either relatively uncommon in the lower Río Verde Valley, or they are underrepresented in the Late Formative assemblage.

While we know prismatic blades reached the lower Verde by the Middle Formative at the latest, the general lack of more blades in the archaeological record is puzzling. Since sites across Mexico at this time contain high frequencies of prismatic blades and their production debris, it should be supposed that the lower Verde would have higher quantities of blades as well. Whalen (1981) does note that at Tomaltepec in the Valley of Oaxaca, Late Formative obsidian artifacts only constitute around ten percent of the entire chipped stone assemblage, but that both blades and other flaking debris have been found. Overall, the Late Formative

obsidian assemblage in the Valley of Oaxaca closely resembles the Early and Middle Formative assemblages (Parry 1987:111). While the obsidian was being traded over greater distances into the lower Verde than to places like the Valley of Oaxaca, prismatic blade technology was obviously reaching the region. It is possible that the sample available to this project simply did not contain higher quantities of prismatic blades, though it is also possible that expedient flaking or bifacial tool manufacture continued to be more important than using and/or making prismatic blades.

Terminal Formative obsidian use

The beginning of the Terminal Formative (150 BC-AD 250) coincides with Río Viejo becoming a large urban center in the lower Río Verde Valley (Joyce 2005:19). The Terminal Formative is broken into two shorter periods: the early Terminal Formative Miniyua Phase (150 BC-AD 100) and the late Terminal Formative Chacahua Phase (AD 100-250). We can see significant growth in population between these periods, and politically, the power of political elites was restricted by a system emphasizing communal solidarity and a muting of individual self-aggrandizement, which also limited the wealth of elites. This is reflected in the communal labor invested in constructing large earthen architecture at sites like Río Viejo, Charco Redondo, San Francisco de Arriba, and Yugüe, and by an absence of monumental art celebrating the power of individual rulers (Barber 2005; Barber and Joyce 2007; Gillespie 1987; Joyce 2006; Workinger 2002). By this time, prismatic blades were even more common than during the Late Formative, and green obsidian from the Basin of Mexico appeared in much greater quantities, especially by the late Terminal Formative.

The obsidian assemblage of this time, however, is one of the more underrepresented periods, in terms of both typological and sourcing studies. Miniyua Phase (150 BC-AD 100) contexts have been identified at Río Viejo, Yugüe, and San Francisco de Arriba (Levine 2002), but obsidian artifacts have only been recorded from primary contexts at Río Viejo—Features 4, 5, 9, and 10 from the 1988 excavations (Joyce 1991a). A total of fifteen obsidian artifacts have been collected from early Terminal Formative strata, but only five of those were available for this analysis. The sixteen artifacts include eight prismatic blade fragments and eight pieces of flaking debris; the five objects analyzed in this study were all prismatic blade fragments, four medial and one distal. While the number of artifacts is very small for the Miniyua Phase as compared to the Late Formative period artifacts, the proportion of blades (50% of the assemblage) may suggest that prismatic blade technology was continuing to grow in importance. By this period across Mesoamerica, prismatic blades were becoming the dominant tool of choice for prehispanic populations, so it makes sense that they would become more ubiquitous in the lower Verde assemblage. However, until more early Terminal Formative contexts are identified and more obsidian collected from those contexts, the idea of blades becoming more commonplace in the lower Verde toolkit is only an assumption.

By the late Terminal Formative Chacahua phase more obsidian artifacts are available for analysis as compared to the early Terminal Formative. A total of 71 artifacts have been collected from Chacahua contexts at San Francisco de Arriba and Yugüe. The 70 artifacts from San Francisco de Arriba were included in Operation 99F's Features 2 and 8, both late Terminal Formative occupational surfaces (Workinger 2002:185, Table 3.11); much like the Late Formative contexts, these features contain materials from mixed contexts (i.e., multiple time

periods). Because of the paucity of other late Terminal Formative artifacts in the region, however, these artifacts will be considered in this study.

Over two-thirds (N=49; 70%) of the Chacahua phase San Francisco de Arriba assemblage was flaking debris, including 40 flake fragments, five flakes, and four chunks of obsidian, and over half of those artifacts (N=28; 57.14%) were gray in color. The remaining 21 pieces of flaking debris were green, suggesting that Pachuca obsidian was used for flaked tool manufacture in the region, at least at San Francisco de Arriba. The prismatic blades from Features 2 and 8 include seventeen medial fragments, and two each of proximal and distal

Table 4.02 CE/M ratios from primary contexts in the lower Río Verde Valley

Chronological Period	Site	No. of blades	CE/M ratio	CE/M s.d.
Late Postclassic	Tututepec (total analyzed sample)	86	5.10	2.64
	Tutu. Residence A	59	5.17	2.54
	Tutu. Residence B	27	4.94	2.89
Early Postclassic	Río Viejo	68	7.08	3.04
Late Classic	Río Viejo	37	8.78	2.84
Early Classic	San Francisco de Arriba	202	8.09	4.28
Late Terminal Formative	San Francisco de Arriba	21	8.31	6.90
TOTAL:		413	7.48	3.97

fragments. The Cutting Edge/Mass (CE/M) ratio of the San Francisco de Arriba prismatic blades is 8.31 (s.d.: 6.90; Table 4.02), indicating a relatively highly efficient use of obsidian when making blades.

In terms of color, green obsidian dominates the Chacahua phase prismatic blades, where eighteen (85.71%) of the blades come from the Pachuca source. Additionally, one of the proximal fragments is slightly scored, indicating the first presence of platform preparation found in the region for blade manufacture. This process is likely indicative of core preparation prior to the grinding or pecking used to produce a “flat, granular finish” (Hirth et al. 2006a:85) allowing for a better gripping surface for blade removal. The single Chacahua obsidian artifact from Yugüe was a gray flake fragment found within Feature 42, the large sheet midden excavated in Operation 1 (see Chapter 4).

Comparative typological data from other Terminal Formative sites in Oaxaca are generally lacking. Zeitlin (1978, 1979) provides great sourcing data related to Terminal Formative obsidian exchange in the Southern Isthmus of Tehuantepec (see Chapter 5), but other than mentioning a decline in the quantity of microflakes and their replacement by large prismatic blades (Zeitlin 1978:202) no further description of the artifacts is given. Parry (1987, Table 37) briefly describes the Terminal Formative obsidian assemblage, which included bifaces, bipolar flakes and cores, a lancet, and prismatic blades, from San José Mogote in the Valley of Oaxaca. Interestingly, blades only account for about three percent of the chipped stone assemblage at this time, and Parry (1987:114) believes that the high quantity of green blades suggests they were produced in the Basin of Mexico and imported south to the Valley of Oaxaca. Flakes and other debitage constitute the bulk of the obsidian artifacts. This seems similar to the situation in the lower Río Verde Valley, though the Terminal Formative obsidian sample (N=81) in the Valley of Oaxaca only comes from only one site.

Classic obsidian use

Growing tensions and conflicts surrounding emerging centralized political authorities at Río Viejo ultimately led to the collapse of the Terminal Formative state (Barber 2005; Barber and Joyce 2007; Joyce 2006). For the following 250 years, throughout the Early Classic Coyuche Phase (AD 250-500), the structure was left unoccupied, leaving the superstructure to erode (Joyce 2010:195). During the Coyuche Phase, many sites in the floodplain decreased in size or were abandoned, though some site, especially those in the piedmont, actually increased in size. These changes may have been related to the development of competing polities in the region, with certain sites drawing inhabitants from others. Obsidian acquisition in the lower Río Verde Valley during the Classic period is related to a “disruption of settlement and social organization perhaps related to a foreign incursion” (Joyce 2003:64). Ties with the Basin of Mexico were becoming increasingly important, possibly due to an incursion by Teotihuacán; this is seen in higher quantities of Pachuca obsidian entering the lower Verde during the Early Classic Coyuche Phase (AD 250-500), as well as the presence of small quantities of Teotihuacán-style ceramics, including thin-orange pottery, candaleros, and cylindrical tripod vessels with slab feet (Joyce 2003:65). By the Late Classic (AD 500-800) major sites in the floodplain were once again occupied, and Río Viejo became the regional capital once again. Long-distance trade was altered once again, reflected in a decrease in the number of Pachuca artifacts. The general lack of Central Mexican ceramic types also supports this pattern (Joyce et al. 2001).

The Early Classic obsidian assemblage contains considerably more artifacts than the Terminal Formative contexts from the lower Río Verde Valley, based mostly on the large Early

Classic deposit of obsidian artifacts uncovered by Workinger (2002). Additional Coyuche obsidian has been found at Río Viejo, Cerro del Chivo, and, most recently, at Charco Redondo.

Figure 4.01 Core fragment from SFA99 Op. A; SFA99-017a (photograph by the author)



Operations 99A and 99L at San Francisco de Arriba contained a total of 270 obsidian artifacts. While this extensive deposit appears to have been redeposited into Terminal Formative strata, it still provides the best evidence of Early Classic obsidian use in the region. The deposit, which constitutes Features 1 and 14, both Early Classic fill episodes, which were deposited over late Terminal Formative construction materials. Workinger (2002:132) believes this redeposited concentration of obsidian artifacts (in addition to the high numbers of ceramic sherds found in association with the obsidian) can best be described as “a collective dumping ground for

hazardous byproducts from both the manufacture of blades and their subsequent use at an industrial site.” The concentration of obsidian would simply be a disposal site for discard of used and/or unwanted obsidian after production elsewhere at the site. Within the deposit, 202 (74.82%) prismatic blade fragments, 65 (24.07%) pieces of flaking debris, two biface fragments, and one core fragment were collected. The prismatic blades can be broken down as follows: 153 medial fragments, including 141 green and 12 gray artifacts, 39 proximal fragments, 36 of which were green while the other three were gray, and 10 distal fragments, eight green and two gray. The CE/M ratio of these Early Classic blades is 8.09 (s.d.: 4.28), which is similar to the Late Terminal Formative sample. The presence of some blade production materials, such as a green core fragment (Figure 4.01), a green rejuvenation flake (Figure 3.04), and a complete green blade (Figure 4.02) suggest that at least some blades were in fact manufactured at San Francisco de Arriba. This would lend support toward local blade trade.

Out of 39 proximal prismatic blade fragments, 20 (51.28%) contained some level of scoring on their platforms, while the remaining 19 had either no scoring or broken platforms. No truly ground platforms were identified, though, meaning that the scored platforms found in both the late Terminal Formative and Early Classic contexts are technological precursors to the ground platforms, where prehispanic populations were learning that scoring the platforms of their prepared cores facilitated blade production. The single core found in this deposit, however, does not have an intact platform, so the presence of scoring on that artifact cannot be surmised.

Two bifacially flaked artifacts were also found within the Early Classic deposit. One bifacially flaked tool from Operation A at San Francisco de Arriba is a large, stemmed gray

Figure 4.02 Complete refit prismatic blade*; SFA99-020a & 023a (photograph by the author)



**The ventral surface (bottom) appears shorter than the dorsal surface (above) due to the curvature of the blade*

projectile or knife (Figure 4.03). The proximal end of this tool was fractured off, either during flaking, from end shock, or after impact. The second bifacially flaked implement is a long, thin, narrow probable flaked prismatic blade fragment with both ends fractured off (Figure 4.04); the artifact is green in color and was also collected from the Early Classic obsidian deposit. It is possible that this tool was used as a bloodletter or had another ritual function. These artifacts clearly show that more obsidian working was occurring in the region than blade production and expedient tools. This point seems obvious, but without clear evidence of bifacial tools (with the exception of the possible bifacial implements at La Consentida), the identification of these artifacts is extremely important for understanding the changing obsidian technologies through time.

The other Early Classic artifacts in the region include nine artifacts from Early Classic burials (Numbers 7, 17, and 21) at Río Viejo and a single blade fragment from test excavations at Cerro del Chivo in 2000. The nine artifacts associated with the Río Viejo burials are three gray flake fragments, two distal blade fragments, three medial blade fragments, and one proximal blade fragment. The two distal blades, the proximal blade, and two of the medial fragments are green in color, while the third medial blade and the flake fragments are gray. The proximal segment was not scored. The Cerro del Chivo blade is a green medial fragment. Additionally, Michelle Butler's excavations in 2011 at Charco Redondo uncovered a large Early Classic midden containing around 400 obsidian artifacts, around 95% of it green in color (M. Butler personal communication, 2011).

Late Classic obsidian artifacts from primary contexts in the lower Río Verde Valley have only been found at Río Viejo; a total of 39 Late Classic obsidian artifacts have been

collected. Thirty-eight of those Yuta Tiyoo Phase artifacts were collected from the Operation E midden from the 2009 excavations, while the final artifact was found within Feature 5, a Late Classic midden from the 2000 excavations on Mound 8 (King 2003).

The Operation E midden contained primary prismatic blade fragments: one (2.56%) distal (gray in color), four (10.26%) proximal (all gray), and 31 (79.49%) medial (22 gray and nine green) fragments were found. The average CE/M of the Late Classic blade fragments (including the 36 blades from Operation E and the single blade from Feature 5 in 2000) is 8.78 (s.d.: 2.84), which is slightly higher than both the late Terminal Formative and Early Classic assemblages, though it is still very similar. This is over 2 cm per gram less than the Late Classic sample measured at Aguateca (CE/m: 6.75; s.d.: 4.737)(Inomata 2008: 236).

The remaining two artifacts from Operation E at Río Viejo were flake fragments, one gray and one green. Each of the four proximal prismatic blade fragments had ground platforms, suggesting that the lower Verde is one of the areas Healan (2009) alludes to when stating that ground platforms on prismatic blades are found in Classic-period contexts⁴. These blades are the first solid evidence of platform preparation using a grinding technique in the region, though the lack of any production materials (i.e., cores, rejuvenation flakes) may indicate that the blades were prepared in another location and imported into the region (see below). The single blade from RV0B is a gray medial fragment.

Over the course of the Classic period, some very important trends appear within the lower Río Verde Valley obsidian assemblage. First, during the Early Classic, green obsidian

⁴ Though the latter part of the Late Classic in the lower Verde corresponds to the Epiclassic Healan refers to when ground platforms generally became spread across Mesoamerica. If the Late Classic midden did date to the end of that period (i.e., ca. AD 700-800), the presence of ground platforms should not be unexpected.

Figure 4.03 Bifacial tool from SFA99 Op. A; SFA99-023q (photograph by the author)



Figure 4.04 Bifacial tool from SFA99 Op. A; SFA99-022cc (photograph by the author)



dominates in terms of color, lending to past suggestions that Teotihuacán had a major presence on the Pacific Coast at that time. Additionally, scored platforms on prismatic blades become much more commonplace, leading to the emergence of truly ground platforms by the Late Classic. Also in the Late Classic, green obsidian becomes much less important, probably due to Teotihuacán's collapse, and other obsidians, particularly from the Ucareo source, take Pachuca's place as the dominant source (see further explanation in Chapter 5). Overall, the Classic period assemblage provides some of the best data in terms of technology and artifact typology. As seen below, the data get even better for the Postclassic period.

Postclassic obsidian use

By the Early Postclassic Yugüe phase (AD 800-1100), the acropolis at Río Viejo was no longer the civic-ceremonial center of the site; instead, it became a locality for commoner residences (Joyce 2006:91; Joyce et al. 2001). Excavations in 2000 from two residential areas at Río Viejo (Joyce et al. 2001; King 2003) uncovered extensive Yugüe Phase occupations on Mound 1-Structure 2 and on Mound 8. These excavations also uncovered the best Early Postclassic obsidian assemblage in the region.

By the Late Postclassic Yucudzaa Phase (AD 1100-1521), the settlements of the lower Verde had grown considerably, corresponding to the emergence of the Mixtec empire centered at the site of Tututepec. Archaeological investigations conducted by Levine (2007) have provided detailed information regarding household organization and purpose at Tututepec, and the obsidian collected from the three excavated residences provide the basis for the Late Postclassic assemblage.

The Postclassic assemblage of obsidian artifacts from the lower Río Verde Valley is by far the most extensive in terms of primary contexts from which the obsidian was collected. Excavations at Río Viejo and Tututepec have uncovered 1277 obsidian artifacts from occupational surfaces and middens, comprising 55.33% of the entire primary context obsidian assemblage in the region. The Early Postclassic artifacts come from two middens (Features 14 and 23/24) identified during the RVOA excavations on Mound 1 Structure 2, as well as from Burial 27 identified in the RVOB excavations.

A total of 86 artifacts were collected from two RVOA middens, Features 14 and 23/24, during the 2000 excavations at Río Viejo. Twenty-one (24.42%) of those objects were flakes, flake fragments, or chunks. Clear and gray artifacts were the dominant colors present, with only 2 green artifacts identified. The remaining artifacts were prismatic blade fragments: seven (8.14%) distal, fifteen (17.44%) proximal, and 43 (50%) medial. Like the flaking debris, gray and clear obsidians were dominant, comprising 70.77% of the blade assemblage; green and black obsidians made up the remaining 29.23% of the assemblage. Of the four proximal blade fragments, three had ground platforms, exhibiting a continuation of the technique during this period. Three obsidian artifacts were collected from Burial 27 in the RVOB excavations (Figure 4.05), two distal blade fragments and one proximal fragment. All three blades were clear in color, and the proximal segment had a ground platform. The average CE/M ratio of all Early Postclassic blade segments is 7.08 (s.d.: 3.09).

Levine's (2007) excavations at Tututepec provide the most extensive primary assemblage of obsidian in the region. A total of 1188 obsidian artifacts were collected from Residences A and B at Tututepec, providing a great sample for understanding obsidian use and

acquisition during the Late Postclassic. While all of these artifacts did not necessarily come from primary contexts, all strata of the Tututepec excavations date solidly to the Late Postclassic, so the entire sample, whether found in fill or middens, is of use for defining obsidian use during this time. The 1188 artifacts included 1070 prismatic blade fragments, 76 flakes or other flaking debris, twenty projectile points, sixteen bifaces and unifaces, seven cores

Figure 4.05 Prismatic blades found with Burial 27 in Structure 8-8; RV0B-446a-c (photograph by the author)



(six polyhedral and one bifacial reduction core), and one ear spool. Levine (2007:302) notes that all of the proximal blade segments exhibited finely ground platforms, consistent with other contemporaneous assemblages in Mesoamerica.

Of the 1188 artifacts, only 99 (8.33%) were available for this study. Sixty-nine (70%) of those artifacts came from Residence A, and included 59 (85.51%) prismatic blade fragments, 9 (13.04%) pieces of flaking debris, and 1 (1.45%) core fragment. Thirty artifacts from Residence B were analyzed, and consisted of 27 (90%) prismatic blade fragments and three (10%) pieces of flaking debris. On all proximal blade segments analyzed for this study (N=29), platforms, when present and not crushed or broken, were ground. The average CE/M ratio for the analyzed blade segments is 5.10 (s.d.: 2.64), which is significantly lower than other primary context blade assemblages in the region. This may have something to do with Tututepec's power as an empire and the ability of local residents to acquire greater quantities of obsidian. As Levine (2007:308) notes, "there must have been a substantial demand for obsidian at Yucu Dzaa."

The Postclassic obsidian artifacts from the lower Río Verde Valley remain consistent with the previous Classic period artifacts in terms of technology. Ground platforms continue throughout the period, as is to be expected, and prismatic blades continue to make up the bulk of the obsidian assemblage. The major difference between the Postclassic and earlier periods, as well as between the Early and Late Postclassic periods, is in the specific sources utilized. Those data will be examined further in the following chapter. Obsidian from the Postclassic lower Río Verde Valley provides great evidence for household use of obsidian, as each of the primary contexts from the Early and Late Postclassic came from residences.

The above sections have described the obsidian artifacts from primary (or the best available) context by time period in the lower Río Verde Valley. Some general trends in obsidian technology have been discussed, allowing for a comparative analysis of the lower

Verde assemblage with other Mesoamerican assemblages through each prehispanic period.

The following chapter examines sourcing data from the lower Verde in a similar, diachronic manner. A summary of the typological changes alongside the sourcing changes through time can be found in Table 5.03.

Chapter 5

Diachronic Analysis of Obsidian Sources Utilized in the Lower Río Verde Valley

In this chapter I present the results of two recent geochemical analyses of obsidian artifacts from the lower Río Verde Valley, as well as a diachronic examination of obsidian sources utilized through time (Table 5.01). In the following sections I discuss those results, as well as the results of previous sourcing analyses (see Joyce et al. 1995; Levine et al. 2011; Workinger 2002), as they pertain to each prehispanic period within the lower Verde. I begin with a discussion of the Early Formative obsidian data and continue through the Late Postclassic period. When necessary, I also place the sourcing results in relation to the broader social and political climates of each prehispanic period in order to understand how and why specific sources may have been chosen for use through time. I will begin with a brief discussion of archaeological investigations of obsidian sources throughout Mexico.

Geochemical analysis of obsidian from the lower Río Verde Valley

Understanding the locations from where obsidian was acquired and traded throughout Mesoamerica has been a focus of archaeological inquiry for decades (Boksenbaum et al. 1987; Cobean 2002; Cobean et al. 1971, 1991; Glascock et al. 1988; Hester, Jack, and Heizer 1971a, 1971b, 1972; Jack and Heizer 1968; Pires-Ferreira 1975). Early studies of the sources of obsidian generally only collected samples from small areas within a particular source; because of this, the wide variety of internal variation of sources was not adequately measured (Glascock2011a:175). Also, the research methodology was hampered by a lack of standards within the archaeological community, meaning the data were solely quantitative and

Table5.01 Obsidian sources utilized through time at sites in the lower Río Verde Valley

Time Period	Site(s)	Sources	Reference
Late Postclassic	Tututepec/ Yucu Dzaa	Orizaba, Otumba, Pachuca, Paredón, Ucareo, Zaragoza	Levine et al. 2011
	Tututepec (Eastern boundary)	Orizaba, Otumba, Pachuca	Workinger 2002
Early Postclassic	Río Viejo	Orizaba, Otumba, Pachuca, Ucareo, Zaragoza, Zacualtipan	Levine et al. 2011
Late Classic	Río Viejo	Otumba, Ucareo, Zaragoza	Glascock 2011 (Personal Communication)
	Río Viejo	Guadalupe Victoria, Orizaba, Otumba, Pachuca, Ucareo, Zaragoza	Joyce et al. 1995
Early Classic	Río Viejo	Pachuca, Zaragoza	Joyce et al. 1995
	San Francisco de Arriba	Malpaís, Otumba, Pachuca, Tulancingo, Zaragoza	Workinger 2002
Terminal Formative (Combined)	San Francisco de Arriba	Guadalupe Victoria, Otumba, Pachuca, Paredón, Ucareo	Workinger 2002
Late Terminal Formative	Cerro de la Virgen, Yugüe	Guadalupe Victoria, Otumba, Pachuca, Ucareo, Zaragoza	Glascock 2011 (Personal Communication)

Table 5.01 cont.

Time Period	Site(s)	Sources	Reference
Early Terminal Formative	Río Viejo	Guadalupe Victoria, Orizaba, Otumba, Paredón, Ucareo	Joyce et al. 1995
Late Formative	Cerro de la Cruz, Río Viejo	Guadalupe Victoria, Orizaba, Otumba, Paredón, Zaragoza	Joyce et al. 1995
	San Francisco de Arriba	Guadalupe Victoria, Otumba, Pachuca, Paredón, Ucareo, Zaragoza	Workinger 2002
Middle Formative	Cerro de la Cruz, La Consentida, Río Viejo	Guadalupe Victoria, Orizaba, Otumba, Zaragoza	Joyce et al. 1995
	San Francisco de Arriba	Guadalupe Victoria, Otumba	Workinger 2002
Early Formative	La Consentida	Guadalupe Victoria, Malpais, Orizaba, Otumba, Paredón, Zaragoza	Glascok 2011b; Hepp 2011 (personal communication)

the early analyses were useful only to the individual(s) conducting the research. As Glascock (2011a:176) describes, “almost all of the early XRF and NAA data for the obsidian sources in central Mexico was so unreliable that it was impossible to exchange data between laboratories or between different techniques.”

Since then, extensive research programs were established and undertaken by Cobean and Vogt (see Cobean 2002; Cobean et al. 1991; Glascock et al. 1988, 1994, 1998; Stocker and Cobean 1984; Vogt et al. 1982) in order to create a series of laboratory standards for

geochemically sourcing obsidian, as well as to identify and have available the wide variations within each Mesoamerican obsidian source. In this major study, 818 samples were collected from primary and secondary outcrops and deposits of obsidian from 22 separate sources or flows throughout central Mexico in the states of Guanajuato, Hidalgo, Mexico, Michoacán, Puebla, Queretaro, and Veracruz (Table 5.02; Figure 5.01); 596 of the 818 samples were then subjected to NAA analysis to identify their unique chemical signatures (Glascock 2011a:183). Based on some sources' geographic proximity to one another, several individual sources may be assigned into one of nine larger source regions when applicable (Table 5.02) (Glascock et al. 1998:37). Each of these sources and their utilization in prehispanic times are discussed extensively in Cobean's (2002) monograph.

In 2011, two separate collections of obsidian artifacts from the lower Río Verde Valley were submitted to the University of Missouri Research Reactor (MURR) for geochemical analysis. Forty artifacts were sent to MURR from La Consentida by Guy Hepp, and another 42 artifacts were submitted by Bonnie Clark, Arthur Joyce, and this author from Río Viejo, Cerro de la Virgen, and Yugüe. Previous sourcing studies in the lower Río Verde Valley have analyzed a total of 314 artifacts (Joyce et al. 1995; Levine et al. 2011; Workinger 2002) using NAA and XRF techniques; the 2011 analyses, then, added another 20 percent to the total assemblage of sourced artifacts in the region. Out of the entire known obsidian assemblage from the lower Verde (N=7020; these include all analyzed artifacts for this study and 1742 known artifacts that were not available for this study), 5.64 percent (N=396) has been sourced. The focus of these investigations has primarily been on selecting artifacts from well-dated contexts.

Table 5.02 Major Mexican sources of obsidian

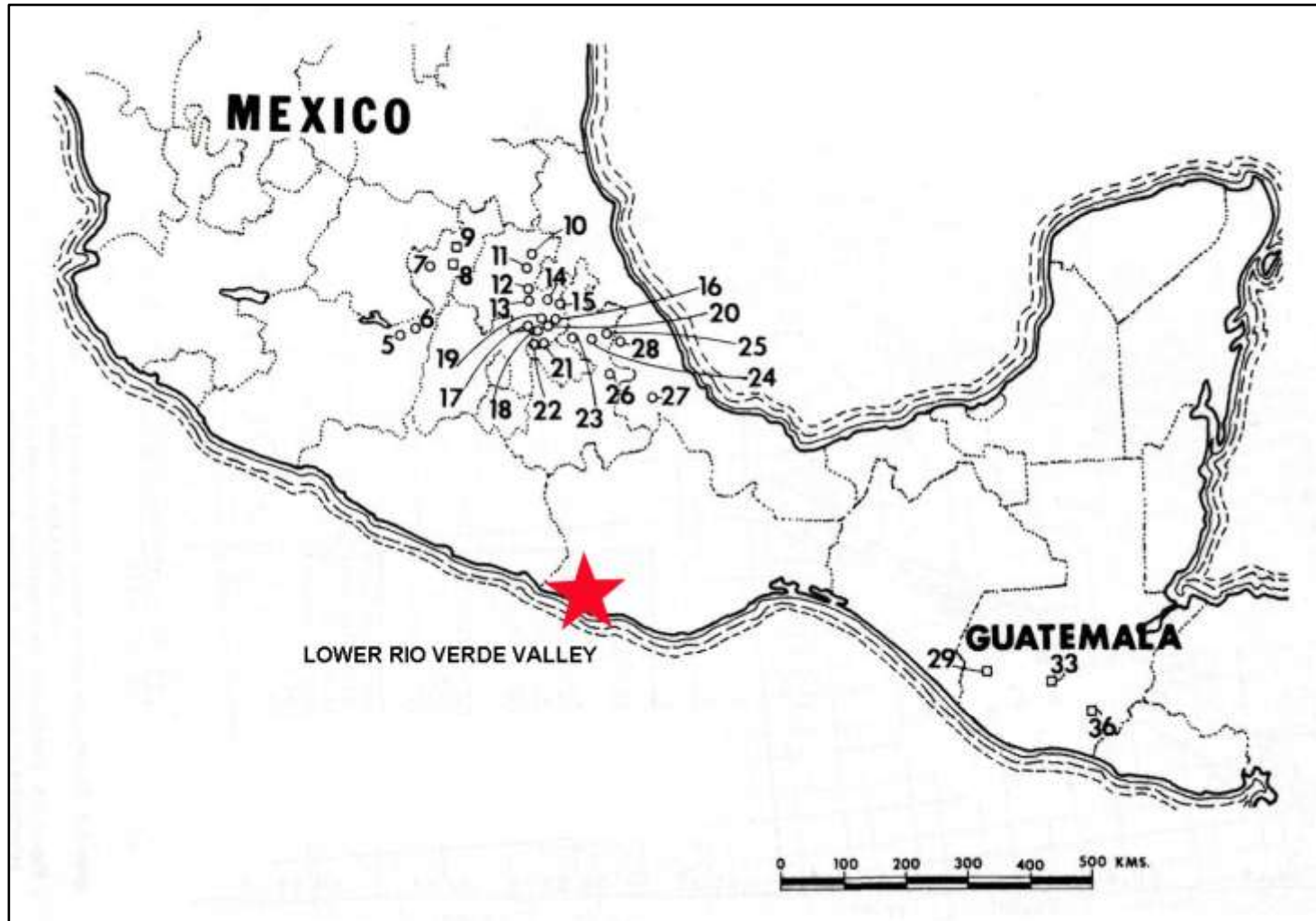
Major Sources	Mexican State	Source Region (Glascoek et al. 1998)
Altotonga	Veracruz	Zaragoza
Zaragoza*	Puebla	Zaragoza
Derrumbadas	Puebla	Orizaba
Guadalupe Victoria*	Puebla	Orizaba
Pico de Orizaba*	Veracruz	Orizaba
Paredón*	Puebla	Paredón
Otumba*	Estado de Mexico	Otumba
Santa Elena	Hidalgo	Paredón
Malpais*	Hidalgo	Otumba
Tepalzingo	Hidalgo	Tulancingo
Tulancingo*	Hidalgo	Tulancingo
Zacualtipan*	Hidalgo	Zacualtipan
Sierra de Pachuca-1*	Hidalgo	Pachuca
Sierra de Pachuca-2*	Hidalgo	Pachuca
Sierra de Pachuca-3*	Hidalgo	Pachuca
Ucareo*	Michoacán	Ucareo
Zinapécuaro	Michoacán	Ucareo
Cerro Negra	Michoacán	Not assigned
Fuentezuelas	Queretaro	Not assigned
El Paraiso	Queretaro	Not assigned
Penjamo-1	Guanajuato	Not assigned
Penjamo-2	Guanajuato	Not assigned

* Indicates the sources identified in the lower Río Verde Valley.

In the following paragraphs, I discuss the results of the two 2011 sourcing analyses

All 40 of Hepp’s artifacts were analyzed using XRF techniques described in Chapter 3, and all came from excavations at La Consentida in 2009 (Hepp 2011). These 40 pieces of obsidian were randomly selected from Operations A and B, generally focusing on artifacts from deeper (i.e., earlier) contexts. Six different obsidian sources were identified; based on comparison of elements Sr and Y, 90% confidence can be attributed to these results (Figure 5.02). The results are shown in Figure 5.03 and the

Figure 5.01 Locations of major Mexican and Guatemalan obsidian source areas* (Adapted from Cobean 2002, Fig. 1.1)



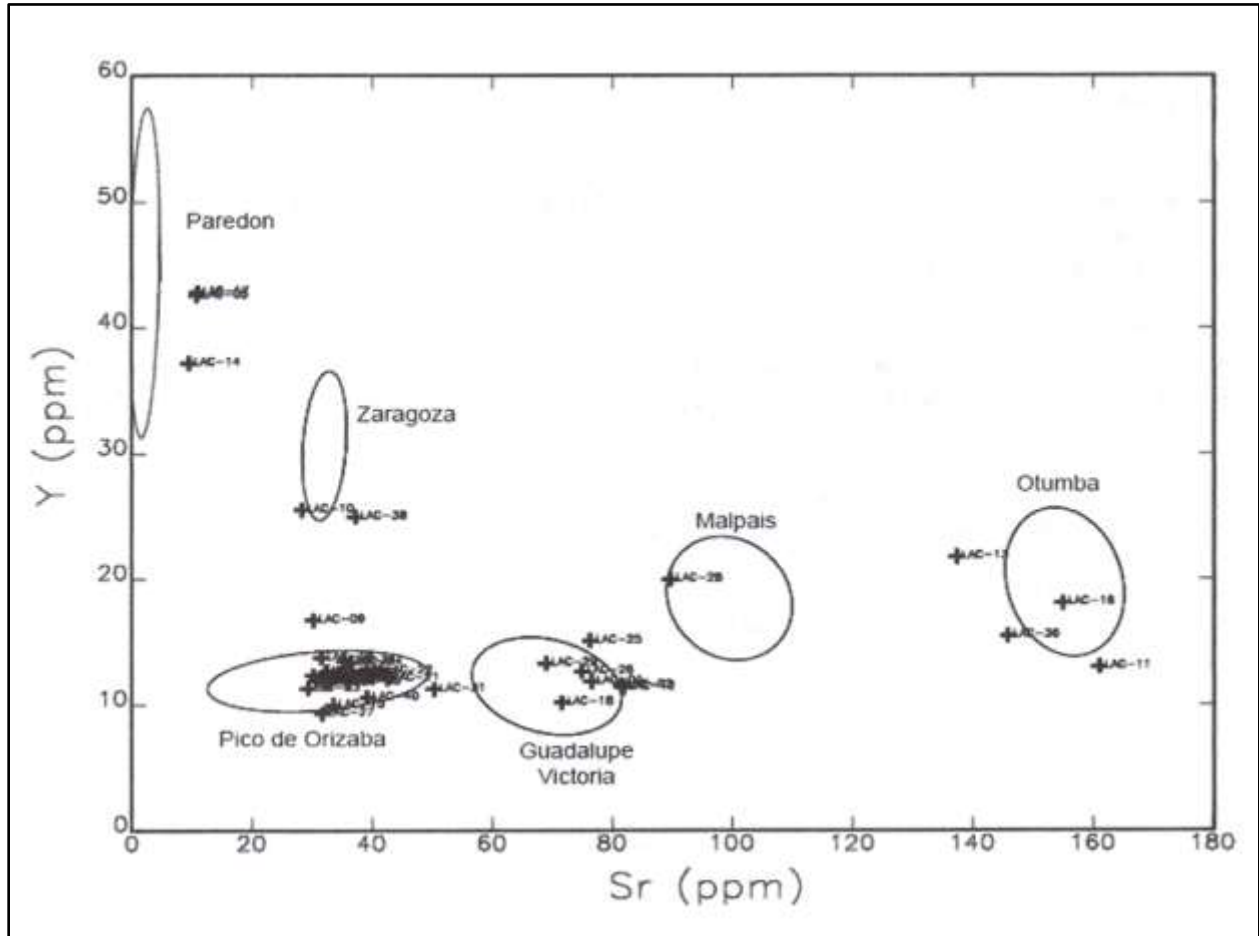
*5. Zinapécuaro; 6. Ucareo; 7. El Paraiso; 8. Fuentezuelas; 9. Cadereyta de Montes; 10. Zacualtipán; 11. Metzquititlán; 12. Sierra de Pachuca; 13. El Chapulín; 14. Tulancingo; 15. Tepalzingo; 16. Rancho Tenango; 17. Totolapa; 18. Cerro del Ixtete; 19. Santa Elena; 20. El Encinal; 21. Malpais; 22. Otumba; 23. Tres Cabezas (Paredón); 24. Oyameles; 25. Zaragoza; 26. Guadalupe Victoria; 27. Pico de Orizaba; 28. Altotonga; 29. San Lorenzo; 33. El Chayal; 36. Ixtepeque

All six of these sources are contained within the southwestern portion of the Central Mexican Neovolcanic Axis. Three sources come from the Mexican state of Puebla (Guadalupe Victoria, Paredón, and Zaragoza), and one each come from Hidalgo (Malpaís), Veracruz (Pico de Orizaba), and the state of Mexico (Otumba). All artifacts can be securely dated to the Early Formative by their contextual association within Mound 1 at La Consentida. Further discussion of how the obsidian arrived from these sources into La Consentida will be presented below.

The second sourcing study conducted in 2011 included 31 obsidian samples from Río Viejo, 7 samples from Yugüe, and 4 samples from Cerro de la Virgen (Figures 5.05-5.07). All but three of the Río Viejo samples were collected from the Late Classic midden identified in Operation E during the PRV09 project. The remaining Río Viejo samples came from the 2000 excavations on Mound 2; two artifacts were collected from flotation samples, and the remaining artifact was found in a midden (Feature 14). That final artifact was previously sourced using XRF but was identified as “Unknown” (Levine et al. 2011). This artifact, along with one from the Late Classic midden, was analyzed using NAA and their sources were identified. Each of the Yugüe and Cerro de la Virgen artifacts came from the 2003 excavations conducted by Barber (2005); the Cerro de la Virgen artifacts were found in Operation 1, while five of the seven Yugüe artifacts came from Operation 1, including two artifacts from flotation samples. The remaining two artifacts were found in Operation 2. All non-green obsidian⁵ (N=28) from the midden was submitted for sourcing analysis. All of the Yugüe and Cerro de la Virgen samples were collected during Stacy Barber’s (2005) dissertation research; these 11

⁵ The general consensus among Mesoamerican archaeologists is that green obsidian can be accurately visually sourced to the Sierra de Pachuca outcrops in Hidalgo. Some green obsidian has been identified in Jalisco but this is usually of poorer quality and is found more rarely in archaeological contexts.

Figure 5.02 XRF plot of Sr vs. Y for La Consentida obsidian compared to eastern and central Mexican sources (Glascock 2011b, Fig. 1)



artifacts were randomly selected from the Terminal Formative contexts to identify the variation of materials coming into the sites at that time. One artifact from Yugüe could not be sourced using XRF, but it shared the same chemical signature of a Río Viejo artifact examined with NAA, so it was not subjected to that procedure. All 42 artifacts from this study were analyzed using either the XRF and NAA procedures discussed in Chapter 3.

From the Late Classic midden at Río Viejo, 23 (62.16% of the total midden obsidian sample) pieces of obsidian came from the Ucareo source; four of the other artifacts came from Zaragoza, and the final artifact was sourced to Otumba (Figure 5.04). Another ten (27.03%) of

Figure 5.03 La Consentida obsidian source frequencies

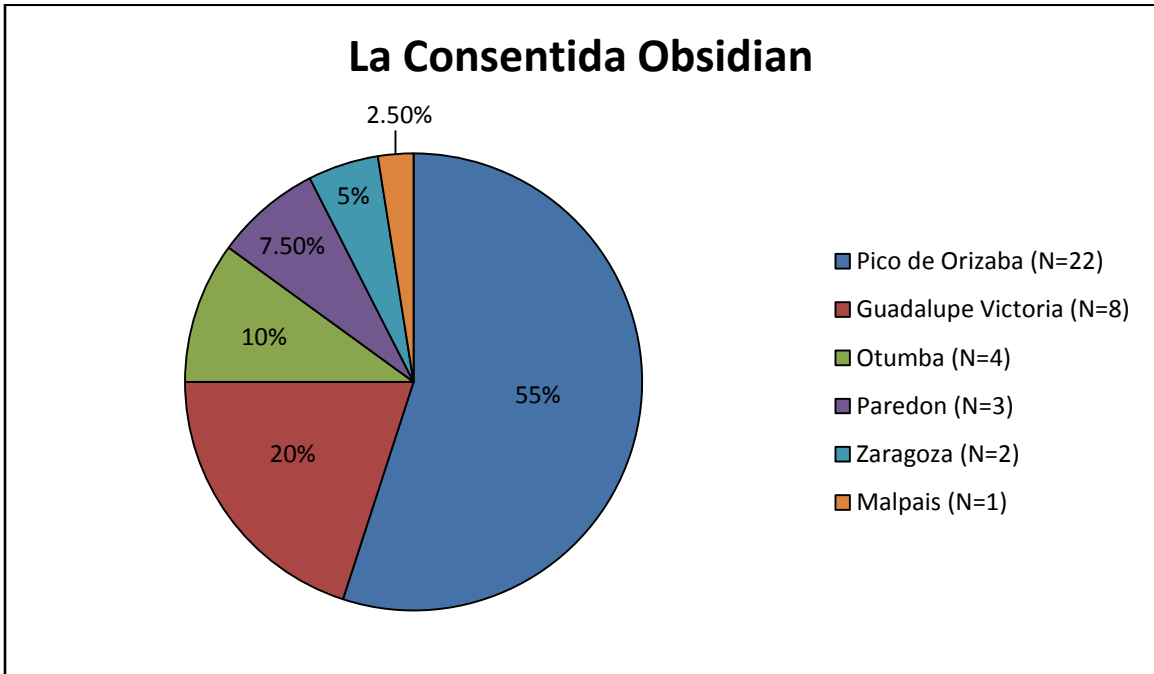
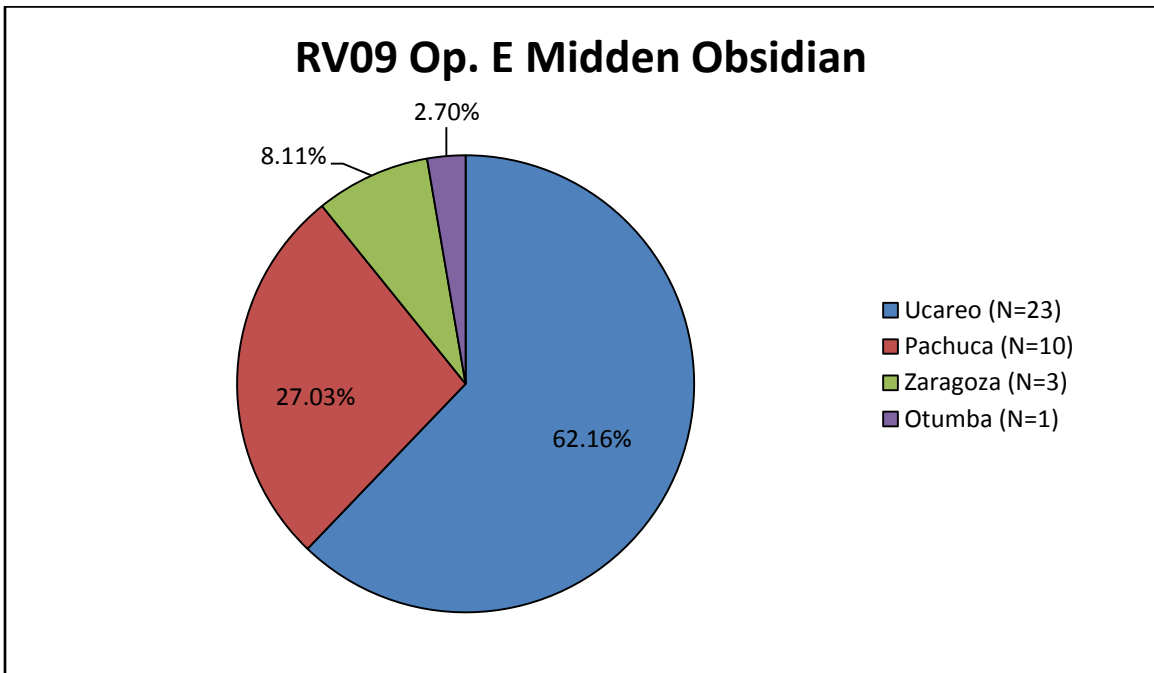


Figure 5.04 RV09 Op. E Late Classic midden obsidian source frequencies*



*Percentages include both the non-sourced green obsidian and the sourced artifacts collected from the midden.

the midden artifacts were green in color and, therefore, attributed to the Pachuca source.

These artifacts were not submitted for geochemical analysis.

The two artifacts from flotation samples collected in 2000 came from different sources, one from Pico de Orizaba in Veracruz, and the other from Zaragoza. The artifact that was resourced from the Levine and colleagues (2011) analysis was found to come from Otumba. The Yügüe sample showed much more diversity; two artifacts came from Guadalupe Victoria, two came from Otumba, and one each were sourced to Sierra de Pachuca, Ucareo, and Zaragoza. The Cerro de la Virgen artifacts came from three different sources: two artifacts from Otumba, and one each from Guadalupe Victoria and Ucareo. Figure 5.08 illustrates the locations of each of these sources. A further discussion regarding trade implications for each of these sources and time periods is presented below.

As discussed in Chapter 2, sourcing studies have been the primary focus of obsidian research in the lower Río Verde Valley. Three previous studies (Joyce et al. 1995; Levine et al. 2011; Workinger 2002) have examined a total of 314 obsidian artifacts and identified 10 separate sources from where obsidian was imported throughout prehispanic times (Figure 5.09). Table 5.01 illustrates the sources utilized through each prehispanic period. The remainder of this chapter will present a diachronic analysis of obsidian procurement in the lower Río Verde Valley through time, utilizing those sourcing studies, the two most recent sourcing analyses. The data will be compared with other regions of Mesoamerica, primarily in Oaxaca and elsewhere in Mexico.

Figure 5.05 XRF plot of Rb vs. Zr for obsidian from 2011 analysis compared to eastern and central Mexican sources (M. Glascock personal communication, 2011)

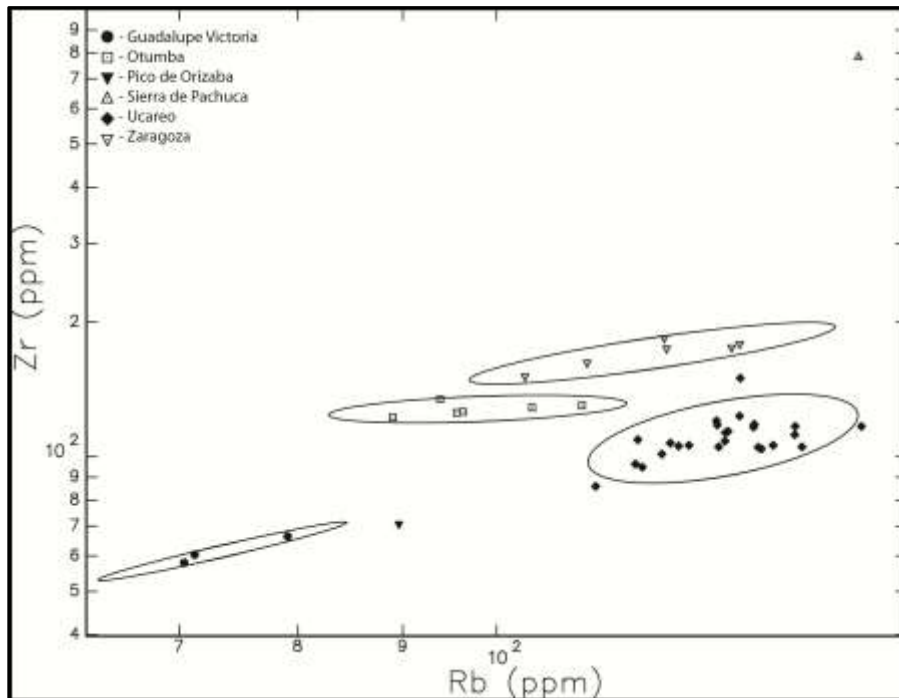


Figure 5.06 XRF plot of Rb vs. Sr for obsidian from 2011 analysis compared to eastern and central Mexican sources (M. Glascock personal communication, 2011)

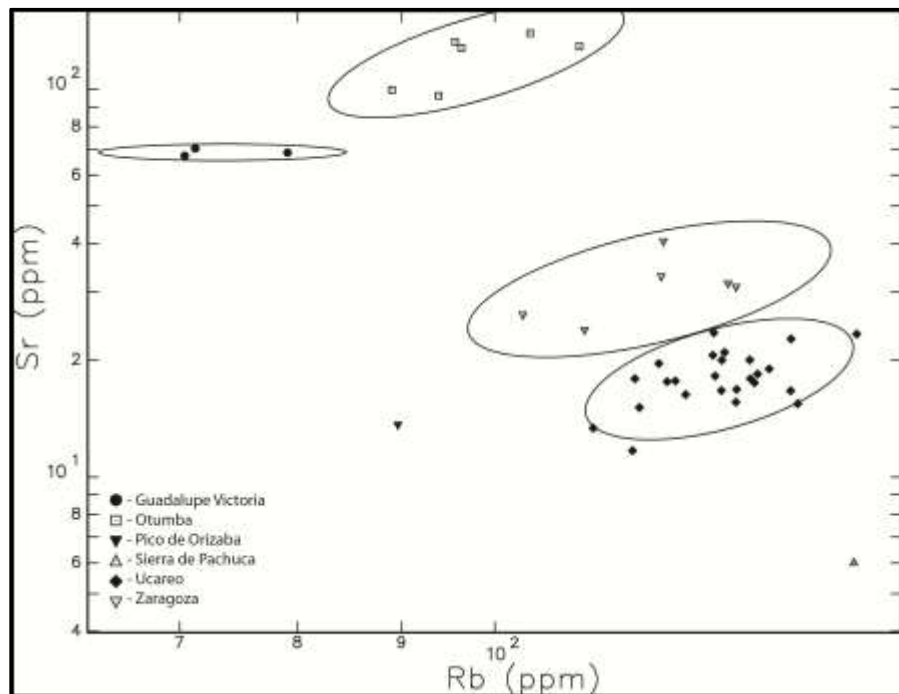
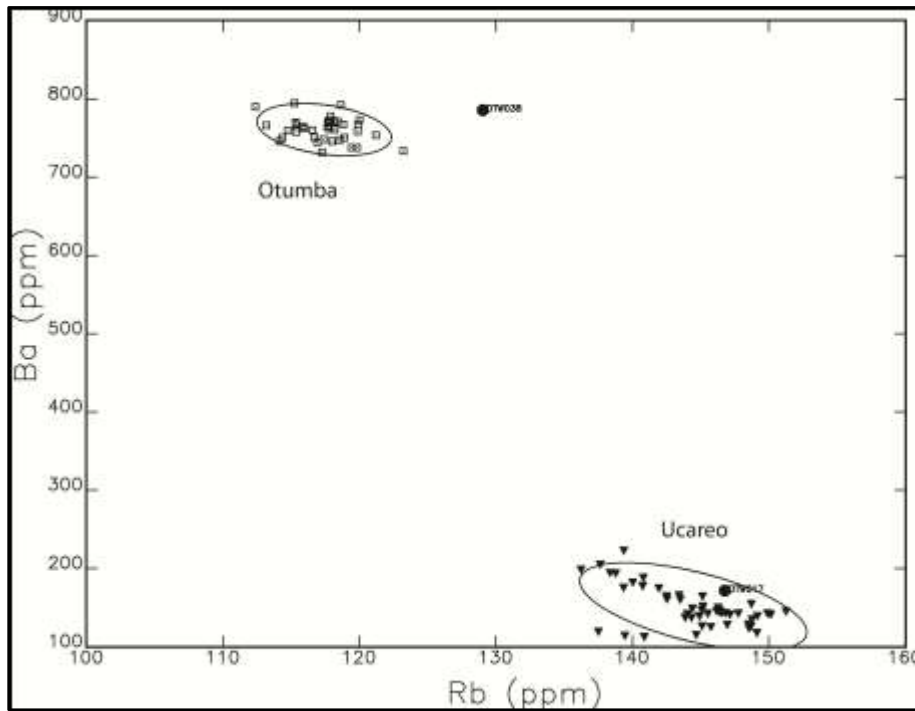


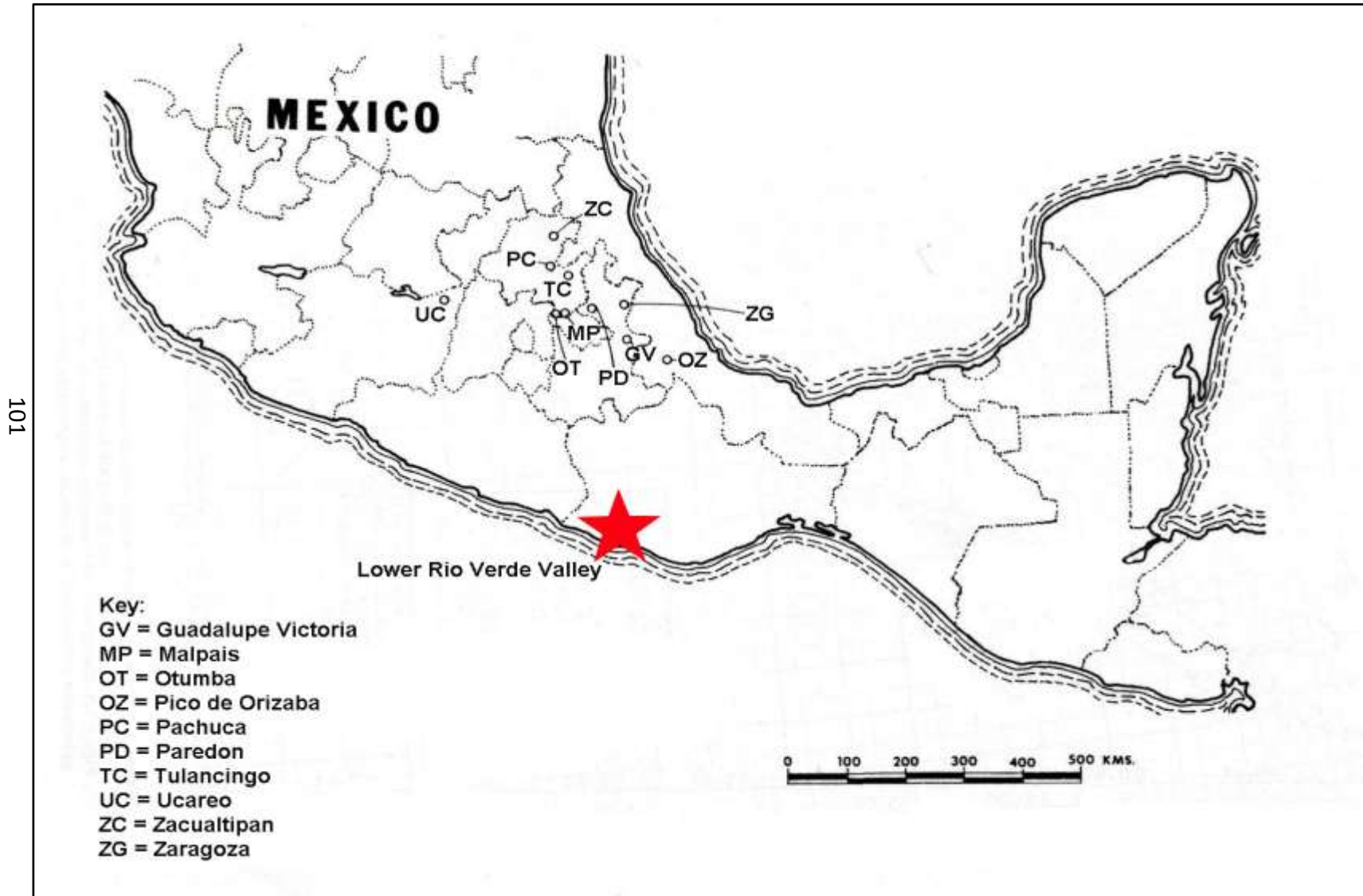
Figure 5.07 NAA plot of Rb vs. Ba for obsidian from 2011 analysis compared to eastern and central Mexican sources (M. Glascock personal communication, 2011)



Early Formative obsidian sources

From the La Consentida assemblage, 40 obsidian artifacts were selected for geochemical analysis in 2011 using XRF techniques (see above). Only one artifact was collected in association with a securely dated context, though all artifacts can be dated to the Early Formative based on their contextual association across the excavations (Hepp 2011). A single flake was found directly adjacent to the earliest dated feature (1908-1693 cal BC) a cooking hearth/oven—from Operation A. This artifact came from Zaragoza, indicating that the peoples of La Consentida early in prehispanic times had communication with groups along the Gulf coast. Other sources of obsidian identified at La Consentida were Pico de Orizaba (N=22), Guadalupe Victoria (N=8), Otumba (N=4), Paredón (N=3), and Malpais (N=1); one other

Figure 5.08 Obsidian source locations from all previous lower Río Verde Valley geochemical analyses (Adapted from Cobean 2002, Fig. 1.1)



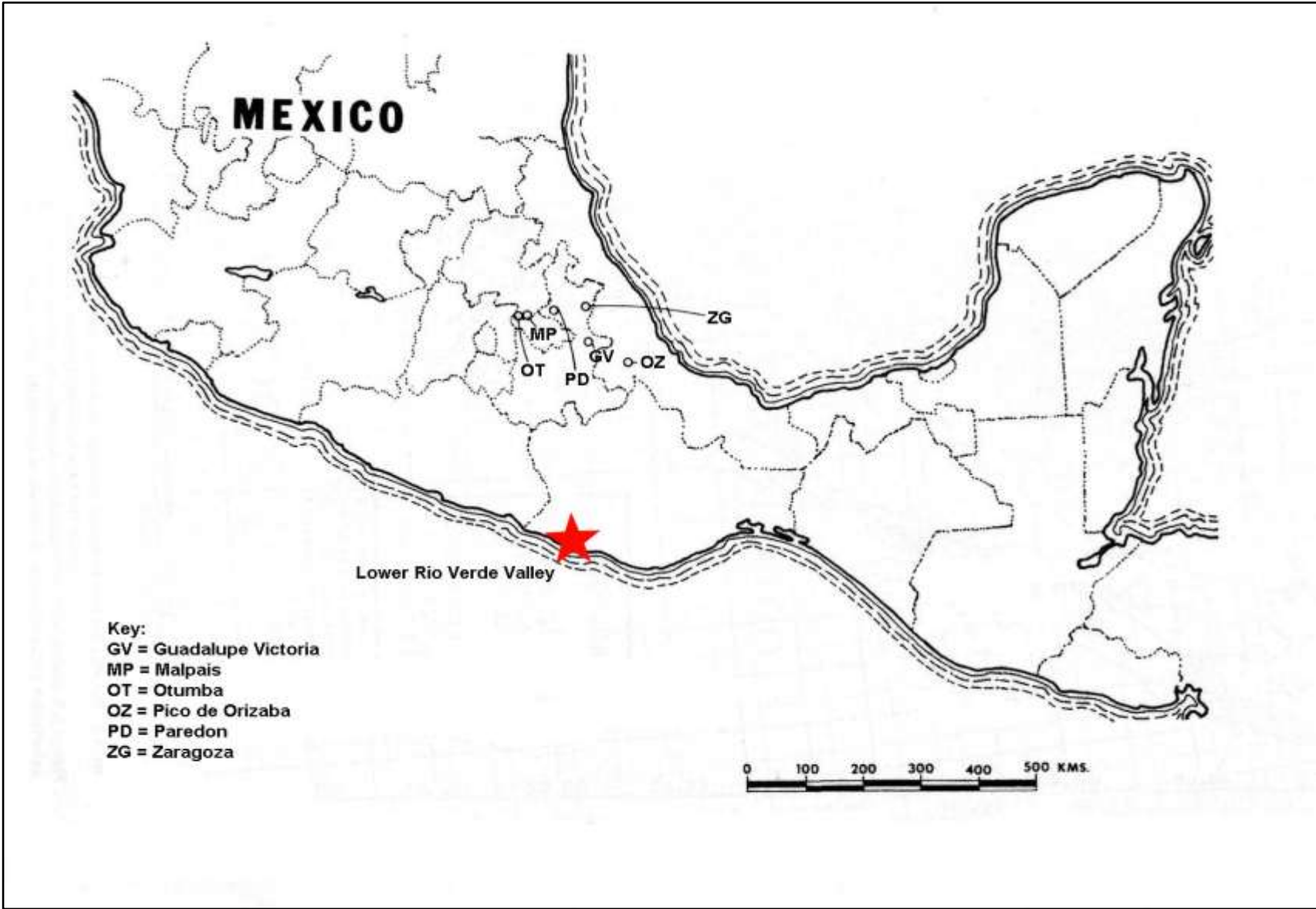
artifact was also sourced to Zaragoza. While there is a mix of six sources present at La Consentida, the Orizaba source dominates the assemblage, accounting for 55 percent of the sourced assemblage. The six sources do illustrate an interesting pattern of obsidian procurement—all six of the sources are located in the southeastern portion of the Central Mexican Neovolcanic Axis, and all six have been identified in later contexts throughout the lower Río Verde Valley, which indicates long-term relationships with those other six sources throughout prehispanic times. The only major sources utilized in later periods of the lower Verde not found in the La Consentida assemblage are Ucareo and Pachuca.

A similar trend appears in five artifacts from La Consentida sourced by Joyce and colleagues (1995). While those artifacts were originally attributed to the Middle Formative, the more extensive excavations at La Consentida prove that they belong to Early Formative contexts. Only two sources were present in the study, Orizaba (N=4) and Zaragoza (N=1), further illustrating the apparent importance of obsidian from the Gulf Coast, especially from the Gulf Coast, at this time.

Sites elsewhere in Oaxaca illustrate different patterns of obsidian acquisition during the Early Formative. Pires-Ferreira's (1975, 2009[1976]) sourcing study of obsidian from three Early Formative sites in the Valley of Oaxaca (Huitzo, San José Mogote, and Tierras Largas), Pico de Orizaba obsidian is completely absent. Instead, Guadalupe Victoria and Otumba obsidians dominate the assemblages, comprising a total 54.60% of San José Mogote's sourced sample and 69.70% of Tierra Largas' sample (Pires-Ferreira 1975, Table 2). Pires-Ferreira (1975, Table2) also identified obsidian from Zinapécuaro; Tulancingo;

Figure 5.09 Obsidian source locations from La Consentida analysis (Adapted from Cobean 2002, Fig. 1.1)

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Altotonga⁶; an Unknown Oaxacan source⁷; El Chayal; and other unspecified Guatemalan sources (possibly Ixtepeque which was found in Cruz B contexts at Etlatongo [Blomster and Glascock 2010]). The presence of Guatemalan sources in the Valley of Oaxaca is particularly interesting, as no Guatemalan obsidian has been identified in any context from any time period within the lower Río Verde Valley. As Pires-Ferreira (1975:26) argues, El Chayal (and probably other Guatemalan) obsidian was traded to Olmec San Lorenzo in very high quantities (see also Cobean et al. 1971). Once at San Lorenzo, the obsidian was probably exported from that center to locations across Mesoamerica that had other Olmec connections, like sites in the Valley of Oaxaca. The topic of Olmec interaction with the Valley of Oaxaca has been long debated (e.g., Blomster 2004; Flannery 1968; Stark 2007; Winter 1984:188-90), and it is very plausible that obsidian trade was a component of the relationships between those areas.

From northern Oaxaca, some interesting trends of obsidian procurement during the Early Formative have emerged. Blomster and Glascock (2010) have identified four sources of obsidian that were acquired during the Early Formative Cruz A Phase (1500-1200 BC) in both the Mixteca Alta (at Yucuita) and in the Cuicatlán Cañada (at Rancho Dolores Ortíz): Guadalupe Victoria, Pico de Orizaba, Paredón, and El Chayal. The high quantities of Guadalupe Victoria in these areas reflect the trends seen in both the Valley of Oaxaca and the Southern Isthmus of

⁶ The artifacts attributed to Altotonga are probably actually from the Zaragoza source based on Glascock and colleagues' (1998) analysis. The trace elements Mn and Na are very similar in both sources, and these were the elements Pires-Ferreira used to define her source locations; several other trace elements can be used to distinguish the two sources (Cobean et al. 1991). This means that Zaragoza obsidian was being utilized in both the Valley of Oaxaca and on the Pacific coast at La Consentida during the Early Formative period.

⁷ Glascock et al. (1998) also discuss the "Unknown Oaxaca" obsidian source. Since Pires-Ferreira's analysis was conducted during the early years of NAA sourcing, the process was not as refined as it is today. The unknown source almost certainly can be attributed to one of the Pachuca flows in Hidalgo. A comparison of Pires-Ferreira's (1975:19) Figure 6 and Glascock's (2010b:186) Figure 8.9, which both compare percentages of Mn and Na in Central Mexican sources, illustrates that the results of Pires-Ferreira's analysis should be reassigned to Pachuca. This adds one artifact each to the Early Formative contexts at San José Mogote and Tierras Largas. To date no known obsidian source in Oaxaca has been identified, despite these previous claims.

Tehuantepec (see below). The numbers also illustrate a range of interaction, both with the Basin of Mexico (via the Paredón obsidian) and Guatemala (via the El Chayal obsidian). From Cruz B (1200/1150-850 BC) contexts at Etlatongo in the Mixteca Alta, Blomster and Glascock (2010) identified nine sources: Paredón, Otumba, Tulancingo, Guadalupe Victoria, Pico de Orizaba, Ucareo, Cruz Negra (from Michoacán), El Chayal, and Ixtepeque (from Guatemala). Paredón and Otumba obsidians comprise 84 percent (N=176) of the sourced sample. The change from primarily eastern procurement from Guadalupe Victoria to the Basin of Mexico procurement at Otumba and Paredón probably correspond to a shift in prismatic blade production (Blomster and Glascock 2010:192). In fact, Paredón was a source of choice for producing some of the earliest blades at San Lorenzo: “In the Early Formative of the Basin of Mexico and San Lorenzo Tenochtitlan, Paredón prismatic blades appear in quantity before the large-scale occurrence of blades produced with [Pachuca] or [Ucareo] obsidian” (Cobean 2002:53). The assemblage of sourced material from northern Oaxaca, especially at Etlatongo during the Cruz B Phase, illustrates the possibility of several long-distance relationships occurring within a community at the same time. Since the obsidian was coming from four distinctive regions—the Basin of Mexico, the Gulf region, West Mexico, and Guatemala—it illuminates the possibility of multiple trade networks in other regions of Oaxaca. If this is true, multiple networks are also likely to have been present in the lower Río Verde Valley.

Geochemical analysis of obsidian from Laguna Zope, in the Southern Isthmus of Tehuantepec, during the Lagunita Phase (1500-1100 BC) has identified only three primary sources: Guadalupe Victoria, El Chayal, and a possible source near El Ocotito, Guerrero⁸ (Zeitlin

⁸ Since Zeitlin’s study, research has shown that El Ocotito was not an obsidian source.

1978:189). However, Zeitlin does note that the sample size from this period is small, so it is likely that more sources could be represented with further research. It has been posited (Zeitlin 1978:189) that the Guadalupe Victoria obsidian represents trade relationships with the northern Isthmus, and even the Olmec region along the Gulf Coast; this source continues to be used in high quantities during the latter part of the Early Formative period as well. Since Guadalupe Victoria obsidian is also found in relatively high quantities at La Consentida (20% of the sourced sample), it is possible that the lower Verde had connections to the Southern Isthmus of Tehuantepec and/or the Valley of Oaxaca as well. More research will be needed to identify other objects which may suggest a relationship to the Southern Isthmus, the Valley of Oaxaca, or both.

Basin of Mexico sites at this time, unsurprisingly, acquired the bulk of their obsidian from Basin of Mexico sources, such as Otumba, Pachuca, and Paredón (Boksenbaum et al. 1987; Charlton 1984:24). Some obsidian was also coming east from the Zinapécuaro source. Gulf Coast sources are relatively minimal in Basin of Mexico sites during the Early Formative.

Based on the presence of Basin of Mexico obsidian within the Valley of Oaxaca, especially the very high quantities of Otumba obsidian at San José Mogote and Tierras Largas, there was certainly a connection between the two regions. Obsidian could have been traded south, through Chalcatzingo, the Tehuacán Valley, and the Mixteca Alta, and into the Valley of Oaxaca. Since La Consentida has artifacts from two of these three sources (no Pachuca has been identified), it is possible that the obsidian was subsequently traded through the mountains to the coast in exchange for any number of coastal goods, such as cotton, shellfish, and cacao.

Given the eastern trend of the obsidian from the Gulf region, especially the Pico de Orizaba, Guadalupe Victoria, and Zaragoza sources, which comprise 80 percent of the sourced sample, I would argue that the primary route through which obsidian was traded into La Consentida was along the Gulf Coast, through the Olmec Heartland, across the Southern Isthmus of Tehuantepec, and along the Pacific Coast until it reached the populations of the lower Verde. Those same sources could have been traded west into the Tehuacán Valley, south into the Valley of Oaxaca, and down mountain trails to the coast as well. Either way, the coastal populations of La Consentida were probably trading the obsidian for coastal resources like fish and shellfish, as well as other local products like cacao and cotton. Relationships based in reciprocity, or mutual exchange, were commonplace in Mesoamerica during this period (Sanders 1984:276). The Basin of Mexico sources present at La Consentida—Otumba, Paredón, and Malpais—may reflect an entirely different, secondary trade network. Based on data from the Mixteca Alta, it can be seen that multiple long-distance trade networks can exist simultaneously. It would have been possible to maintain ties to Central Mexico through the Valley of Oaxaca and the Tehuacán Valley, while continuing relationships with the Gulf Coast (i.e., the Olmec) and the Southern Isthmus of Tehuantepec.

Middle Formative obsidian sources

Six artifacts from Charco Phase contexts have been geochemically analyzed (Joyce et al. 1995; Workinger 2002), and the analyses conclude that at least three separate obsidian sources were being utilized. Three artifacts, two from Río Viejo and one from San Francisco de Arriba, were sourced to Guadalupe Victoria, the blade from Río Viejo and one flake from San Francisco

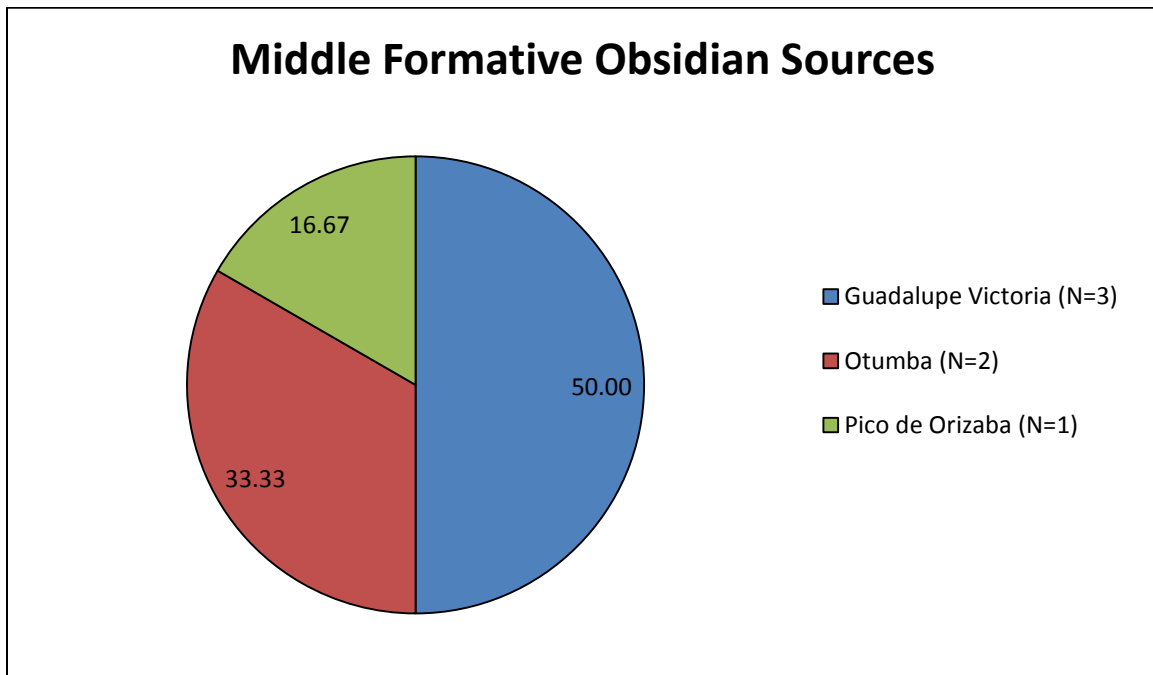
de Arriba were attributed to Otumba, and the chunk from Cerro de la Cruz was sourced to Pico de Orizaba. Despite the small sample size, these results may suggest that the probable Gulf Coast trade network established during the Early Formative was still continuing into the Middle Formative. Interestingly, Guadalupe Victoria obsidian all but disappears from the Laguna Zope assemblages during the same period in the Southern Isthmus of Tehuantepec. Zeitlin (1978:196-7) suggests the sudden drop in Guadalupe Victoria obsidian correlates to the collapse of the Olmec center at San Lorenzo.

“I am not proposing (nor denying) that the San Lorenzo Olmec directly controlled Guadalupe Victoria obsidian; however, they did use it heavily, and their sudden political demise may have temporarily disrupted the network through which it was distributed in southern Mexico” (Zeitlin 1978:197).

Pires-Ferreira (1975) notes a similar decline in Guadalupe Victoria obsidian from Middle Formative sites in the Valley of Oaxaca. Whereas Guadalupe Victoria accounted for nearly 40 percent (39.40%; N=26) of the Early Formative assemblage at Tierras Largas, by the Middle Formative only 22.60% of the assemblage came from Guadalupe Victoria (Pires-Ferreira 1975:19, Table 2). No Guadalupe Victoria obsidian was identified at other sites in Oaxaca, Morelos, Puebla, or the Valley of Mexico that Pires-Ferreira analyzed. It is possible that populations within the lower Río Verde Valley continued to maintain relationships with the Olmec when other regions of Oaxaca cut their ties to the Gulf Coast, explaining the presence of Guadalupe Victoria in the lower Verde.

During the Middle Formative in the Valley of Oaxaca, most obsidian was coming from the Basin of Mexico sources: Otumba, Pachuca (which includes the “Unknown Oaxaca” source; see above), and Tulancingo (N=22; 61.11%). A small proportion was coming from West Mexico,

5.10 Middle Formative obsidian source frequencies



from the Zinapécuaro—which is more likely the neighboring Ucareo source (see below)—source in Michoacán, and from the “Other Guatemalan” category, which may correlate to Ixtepeque. Only eight total artifacts (22.22%) were attributed to Gulf Coast sources. The proportions of Central Mexican obsidian remained relatively stable; Pires-Ferreira (1975:30) maintains that the Basin of Mexico-Oaxaca trade network remains virtually intact between the two periods.

It is interesting, then, that the lower Río Verde Valley sources utilized during the Middle Formative primarily came from the Gulf Coast sources. And while Guadalupe Victoria declined in both the Valley of Oaxaca and the Southern Isthmus of Tehuantepec, it actually increased in the lower Río Verde Valley. The small sample size may bias these results, however.

The Altotonga source, present in both the Valley of Oaxaca (Pires-Ferreira 1975) and the Southern Isthmus of Tehuantepec (Zeitlin 1978), has been argued (Hester, Jack, and Benfer

1973:167) to have been controlled by the new Olmec center of La Venta. However, no Altotonga obsidian has been identified within the lower Río Verde Valley at this time, perhaps suggesting that the populations there did not have much, if any, direct contact with the La Venta Olmec. If this is true, the Gulf obsidian identified in the lower Verde could have either been traded through north-central Oaxaca in the Cuicatlán Cañada, south through mountain trails from the Valley of Oaxaca or Mixteca Alta, or it may have been acquired by bypassing the La Venta Olmec to the west along the Gulf Coast.

It is during the Middle Formative that we begin to see more extensive status differentiation within prehispanic Oaxacan populations (Joyce 2010:104-110). These developments are believed (Blanton et al. 1999; Joyce 2010:110-4) to be associated with the development of chiefly powers based on hereditary status distinctions within the community. Spencer (1982:167-70) believes that access to obsidian, especially from the sources nearest to the Cuicatlán Cañada (e.g., Orizaba and Guadalupe Victoria), arrived via a prestige chain network (from Renfrew 1975) linking chiefly centers across the Cañada to centers in the Tehuacán Valley and Puebla Basin. Based on the emergence of Charco Redondo, and other important sites in the lower Río Verde Valley like Río Viejo, Cerro de la Cruz, and San Francisco de Arriba during the Middle Formative, it could be speculated that the lower Verde was connected to at least the Cuicatlán Cañada and probably the Valley of Oaxaca as well via similar prestige chain networks. Obsidian would have been passed from the source to the Cuicatlán Cañada in the north of Oaxaca through Puebla and the Tehuacán Valley. From there, obsidian could have been traded into the Valley of Oaxaca, whereby it would have been passed down either mountain trails or the Río Tehuantepec until it reached the coast. If Spencer is correct in

stating that Orizaba and Guadalupe Victoria obsidians were the most prevalent in the Cuicatlán Cañada during the Middle Formative, it seems more likely that there was a direct relationship between that region and the lower Verde, based on the higher proportions of those obsidians along the western Pacific Coast of Oaxaca. In this case, the Valley of Oaxaca may have been entirely bypassed in favor of a route between the Cuicatlán Cañada and the lower Verde via the Mixteca Alta.

I would suggest, then, that, like in the Early Formative period, there were two distinctive trade networks in place within the lower Verde. The first network moved Orizaba, Zaragoza, and Guadalupe Victoria obsidian from the Gulf Coast and passed through either the Isthmus of Tehuantepec or the Cuicatlán Cañada. A second network probably passed through the Valley of Oaxaca via sites in the Basin of Mexico which imported Central Mexican obsidians like Otumba. More extensive geochemical analysis need to be undertaken in those locations, as well as in the lower Río Verde Valley, to more fully understand the routes through which obsidian was traded during this time.

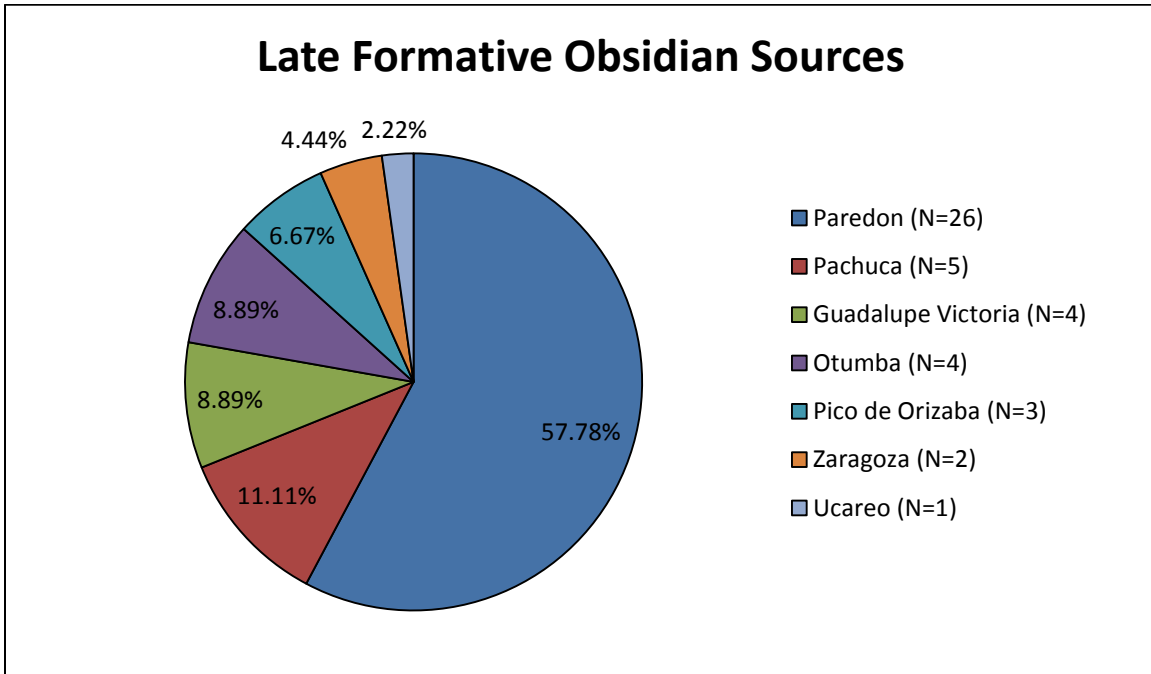
Late Formative obsidian sources

Some new trends in obsidian acquisition are present in the Late Formative based on the geochemical analyses of Joyce et al. (1995) and Workinger (2002). Forty-five Late Formative obsidian artifacts from the lower Verde have been geochemically sourced, including a sample of 17 obsidian artifacts from Cerro de la Cruz (N=10) and Río Viejo (N=7) and 28 from San Francisco de Arriba. Basin of Mexico sources comprised the bulk of the assemblage from these three sites; Gulf Coast sources are minimal. A single artifact in the assemblage—collected from

San Francisco de Arriba—comes from Ucareo in the form of a prismatic blade fragment. The other blade fragments from San Francisco de Arriba came from Paredón, while the single blade fragment from Joyce and colleagues' (1995) study came from Otumba. From the entire sourced assemblage at all three sites, 35 artifacts (77.78%) came from Basin of Mexico sources. A total of nine artifacts (20%) were attributed to Gulf Coast sources, and only one artifact came from Western Mexico.

The presence of Pachuca obsidian at San Francisco de Arriba represents the first instance of this source identified within the lower Río Verde Valley. While sites in the Valley of Oaxaca had acquired Pachuca by the Early Formative (Pires-Ferreira 1975), it took several centuries for that source to appear in the lower Verde's archaeological record. Pachuca was commonly traded throughout the Basin of Mexico during Early and Middle Formative times (Charlton 1984), and it did reach the Valley of Oaxaca during those periods (Pires-Ferreira 1975). But for some reason, it was not traded down the line to the lower Verde until the Late Formative. This could be the result of sampling, in that especially the Middle Formative sample is very small in comparison to other periods; if Pachuca were present at that time, it simply has not been identified yet. Additionally, the Early Formative sample from La Consentida probably represents very early obsidian trade (ca. 1900-1500 cal BC), and trade of Pachuca obsidian is not generally identified until around 1200 BC (Cobean 2002:41). As discussed above, more contexts dating between 1900-1800 BC and the Middle Formative need to be identified in order to gain a better understanding of obsidian trade and acquisition at that time. It is possible that Pachuca simply was not reaching the lower Verde because it was not a major population center

5.11 Late Formative obsidian source frequencies



until the Late Formative. Workinger (2002:313-321) believes that the presence of Pachuca obsidian (and I would add to that Ucareo obsidian—see below) at San Francisco de Arriba was likely related to the site's growth in importance during the Late Formative. Since San Francisco de Arriba probably functioned as a chiefly center at this time and would have had greater access to more desirable products like Pachuca and Ucareo obsidians. Since Río Viejo and Cerro de la Cruz were smaller sites during the Late Formative, the lack of Pachuca from Joyce and colleagues' (1995) study is not surprising. As Workinger (2002:314) notes, similar trends in artifact distribution related to social complexity are reported in Chiapas (Clark and Lee 1984, 1990).

Similarly, Ucareo obsidian had not appeared in the lower Río Verde Valley prior to its discovery at Late Formative San Francisco de Arriba. While Healan (1989, cited in Cobean 2002; 1997) shows that Ucareo obsidian was one of the primary sources utilized in the development

of prismatic blade technology by Early Formative times, like Pachuca, it took several hundred years to make its first appearance on Oaxaca's western coast. Ucareo was important in Basin of Mexico and Gulf Coast sites during the Early Formative and after (e.g., Boksenbaum et al. 1987; Cobean et al. 1971), but was not traded in any great quantities until the Epiclassic (ca. AD 700-900) (see further discussion below). The presence of Ucareo in Late Formative contexts in the lower Río Verde Valley, then, indicates a more wide-reaching span of trade networks and interregional contacts, at least at San Francisco de Arriba, during the Minizundo Phase. The Ucareo obsidian found at San Francisco de Arriba could have arrived, then, from Cuicuilco through the Valley of Oaxaca and to the coast via mountain trails. This network of trade does not explain the lack of Ucareo obsidian in the Valley of Oaxaca during the Late Formative, so alternatively, Ucareo obsidian may have arrived at San Francisco de Arriba via a trade network running southwest from the Basin of Mexico, using the Río Balsas to transport goods to the Pacific Coast (see Joyce et al. 1995, Figure 1), or south from the Basin of Mexico, through the Mixteca Baja, and via mountain trails to the coast.

Discounting the presence of Pachuca and Ucareo obsidians at San Francisco de Arriba, the sourcing results from sites within the lower Río Verde Valley are very similar. With the exception of Pico de Orizaba, all sources represented in Joyce and colleagues' (1995) analysis are also found at San Francisco de Arriba. Workinger (2002:316) attributes the lack of Orizaba at San Francisco de Arriba to the small sample size of Late Formative obsidian there, rather than independent trade contacts from Orizaba to Río Viejo and Cerro de la Cruz; I agree with this statement. However, the trends of procurement in the lower Río Verde Valley differ from those in the Southern Isthmus of Tehuantepec, and the Cuicatlán Cañada, where Guadalupe

Victoria (Zeitlin 1978, 1979), and Altotonga (Drennan et al. 1990, cited in Workinger 2002) were the dominant sources, respectively. In the Valley of Oaxaca, Elam (1993) identified primarily Basin of Mexico sources at Late Formative sites; this acquisition pattern most closely reflects the lower Río Verde Valley.

As with previous periods, it seems very likely that populations in the lower Río Verde Valley were involved in multiple long-distance trade networks involving the acquisition of obsidian during the Late Formative Minizundo Phase. Much higher quantities of Basin of Mexico obsidian, especially from the Paredón source, have been identified at Cerro de la Cruz, Río Viejo, and San Francisco de Arriba during the Late Formative. This obsidian was probably acquired through a trade network passing through the Valley of Oaxaca, where the Basin of Mexico sources were likely obtained from Cuicuilco (Charlton 1984:35-36). The obsidian would have then been transported south, likely through mountain trails, until it reached the Pacific Coast at the lower Río Verde. A second network was probably present connecting the lower Verde to the Gulf Coast by way of Laguna Zope in the Southern Isthmus of Tehuantepec. Since Gulf Coast obsidians, including Guadalupe Victoria, Pico de Orizaba, and Zaragoza, were identified at Cerro de la Cruz, Río Viejo, and San Francisco de Arriba, as well as at Laguna Zope, the obsidian was probably traded through populations in the Tuxtla Mountains, across the Isthmus of Tehuantepec, and west across the Pacific Coast to the lower Río Verde Valley.

Terminal Formative obsidian sources

Joyce and colleagues (1995) submitted a total of eight obsidian artifacts dating to the early Terminal Formative Miniyua Phase for geochemical analysis. Workinger (2002) submitted

another 44 artifacts from both early and late Terminal Formative (AD 100-250) contexts, though 18 of those came from mixed strata containing either Late Formative or Early Classic materials as well. A small number (N=10) of Terminal Formative artifacts from Yugüe and Cerro de la Virgen were submitted for XRF analysis in 2011, and another 20 samples were tested from those sites using a portable-XRF unit from the University of Florida (S. B. Barber personal communication, 2010). The results of each of these sourcing analyses are presented below.

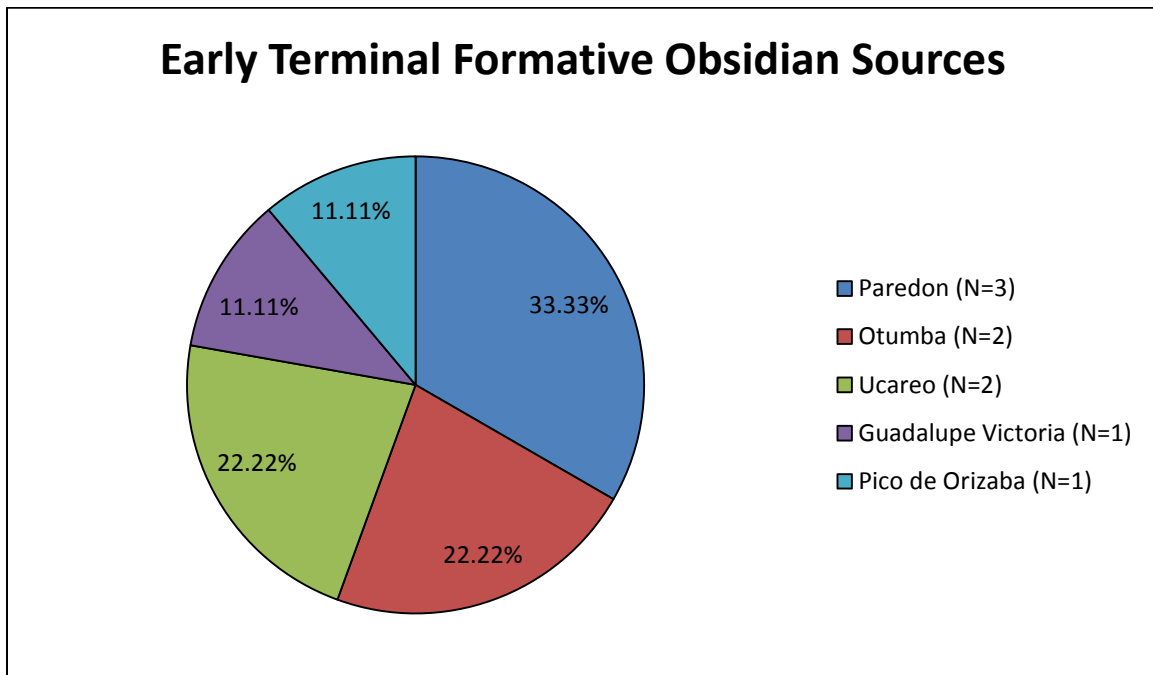
Eight artifacts from early Terminal Formative Río Viejo were submitted by Joyce and colleagues (1995) for NAA analysis; no late Terminal Formative artifacts were sourced in that study. Their results showed a broad acquisition of obsidian within the Miniyua Phase. Five sources were identified: Otumba (N=2; 25% of sample), Paredón (N=2; 25%), Ucareo (N=2; 25%), Guadalupe Victoria (N=1; 12.5%), and Orizaba (N=1; 12.5%). From Miniyua Phase contexts, Workinger identified only one artifact, which was attributed to Paredón. These results mark the first appearance of Ucareo obsidian in the lower Río Verde Valley outside of San Francisco de Arriba. Joyce and colleagues (1995:9) suggest that the variety of obsidian sources is consistent with a disruption in interregional interaction between the coast and the Valley of Oaxaca, triggered by the emergence of Monte Albán as a powerful center as well as increased conflict in the highlands. Because no single source is dominant in the assemblage, it is likely that populations in the lower Verde were forced to acquire obsidian from wherever they could get it as Monte Albán's emergence would have upset previously established trade routes. "Coastal elites may have been forced to switch from one obsidian source to another as transportation routes opened and closed with changing patterns of conflict in the highlands"

(Joyce et al. 1995:10; see also Joyce 1993), Monte Albán was not the only site involved in this increased level of conflict.

The Chacahua Phase sourcing results from 2011, in collaboration with Sarah Barber, Bonnie Clark, Guy Hepp, and Arthur Joyce, and the 2010 pXRF testing of artifacts from Cerro de la Virgen and Yugüe by Sarah Barber and colleagues, as well as Workinger's (2002) analysis, reveal a similar broad acquisition trend. At San Francisco de Arriba, Cerro de la Virgen, and Yugüe, five sources were identified including Paredón, Otumba, Guadalupe Victoria, Pachuca, and Ucareo. The only difference in sources between the early Terminal Formative and late Terminal Formative is Pachuca from San Francisco de Arriba in place of the Orizaba at Río Viejo.

The UF pXRF analysis showed even more sources present between the two sites. At Cerro de la Virgen, Pachuca (N=5), Paredón (N=4), and Ucareo (N=3) were identified, while at Yugüe, El Paraíso (N=2), Pachuca (N=2), Paredón (N=1), and Ucareo (N=3) were identified. The presence of El Paraíso obsidian from the northwestern Basin of Mexico is particularly interesting, given the lack of this source at any other time in the lower Río Verde Valley. In fact, it is difficult to find another site with obsidian attributed to this source; Cobean (2002:71) mentions that artifacts originally thought to be from El Paraíso at San Lorenzo were later found to be from the Ucareo-Zinapécuaro system. It is possible, then, that these artifacts were misidentified using the pXRF equipment and should instead be assigned to Ucareo or Zinapécuaro. Portable XRF analysis can be useful, but problems can arise based on sensitivity, machine calibration, thickness and shape of the artifact, and user error (B. Clark 2011, personal communication). Regardless of whether El Paraíso was actually utilized by populations at Yugüe, there is still a great diversity of obsidian sources from both Yugüe and Cerro de la Virgen

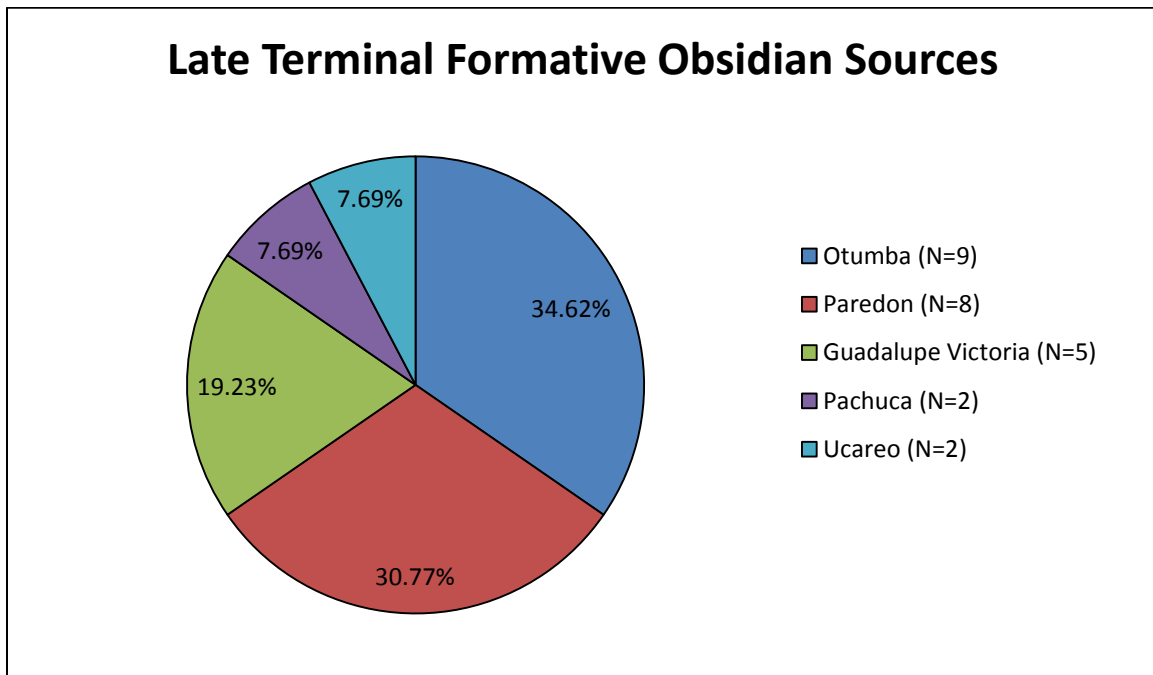
Figure 5.12 Early Terminal Formative obsidian source frequencies



during the Terminal Formative period, which reflects the trends seen at Río Viejo and San Francisco de Arriba.

Looking more closely at the contexts from which the Terminal Formative artifacts came, particularly those from the Chacahua Phase, we see that the proportion of green Pachuca obsidian is much higher than the sourcing analyses would indicate. Out of 86 artifacts from the Terminal Formative contexts, 45 (52.33%) were green. This is a significant percentage considering only 8 (6.35%) total green artifacts were identified from solidly dated Late Formative contexts. Not only does this indicate that Pachuca obsidian was being traded in greater quantities during the Terminal Formative (see discussion below), but that San Francisco de Arriba maintained a particular level of importance during that time, when Río Viejo was becoming more powerful. Because San Francisco de Arriba exhibits the same broad trends of obsidian exchange in the late Terminal Formative that Río Viejo saw in the early Terminal

Figure 5.13 Late Terminal Formative obsidian source frequencies⁹



Formative, it is likely that similar processes of acquisition were occurring throughout both periods.

At Laguna Zope during the Kuak (200 BC-AD 1) and Niti (AD 1-300) Phases, Zeitlin (1978) reports a dramatic shift in obsidian acquisition: Zaragoza and Altotonga, both Gulf Coast sources, were being acquired in large quantities. Zeitlin (1978:202) attributes these changes, especially by the end of the Niti Phase, to the emergence of El Tajín as an important Classic period center located within 100 km each of Zaragoza and Altotonga. More recent research (see Brüggemann 2001; Evans 2004:366-8; Koontz 2009) has shown that El Tajín actually reached its apex during the Late Classic to Epiclassic (ca. AD 600-1100), making Zeitlin's argument less likely.

⁹ These frequencies do not include the results of the pXRF analysis, as those counts may be inaccurate (see above).

In Monte Albán (MA) II (100 BC-AD 200) contexts at San José Mogote, Parry (1987, Table 37) reports that anywhere from 64% to 88% of the obsidian collected was green in color, meaning Pachuca was being acquired in great quantities at that time. Gray obsidian made up the rest of the assemblages, but no sourcing study was undertaken as part of Parry's analysis. As Monte Albán continued to grow during the MAII period, San José Mogote reemerged as an important secondary center in the Valley of Oaxaca at that time (Flannery and Marcus 2003b; Kowalewski 2003:110), meaning it may have had great access to trade items, such as the prestigious green obsidian, coming into Monte Albán. It is interesting that both the Valley of Oaxaca and the lower Verde had such high quantities of green obsidian considering the arguments for trade disruption due to Monte Albán's emergence as a powerful polity during the Terminal Formative. However, these results may imply that the green obsidian was being moved from the Valley of Oaxaca to the lower Verde. It is possible that Pachuca was entering the lower Verde at this time via a different trade route, perhaps south through the Mixteca Alta before being transported through the mountains to the coast.

Spence (1984:91) notes that populations at Terminal Formative Teotihuacán were producing tools out of two primary sources of obsidian: grey Otumba and green Pachuca obsidian. Due to this production of Pachuca blades at Teotihuacán, it can be speculated that the finished products were exported out of Teotihuacán to other locations in Mesoamerica, especially to Oaxaca. Based on the high quantities of green obsidian at San Francisco de Arriba, Cerro de la Virgen, and Yugüe, most artifacts of which are prismatic blades, it is likely that the highland site of Teotihuacán was already establishing a very important exchange network with the coast of Oaxaca, a network that would become even more important during the Early

Classic period. Additionally, Otumba obsidian was found in all Terminal Formative contexts within the lower Río Verde Valley, further indicating a developing relationship with Teotihuacán during that time. Paredón is also very near Teotihuacán in the Basin of Mexico, meaning it could have been traded through there on its way south to the Valley of Oaxaca and the lower Río Verde Valley (Charlton 1984:36-40, Figure 2.5).

The broad procurement pattern of obsidian during the early Terminal Formative may be linked to Monte Albán's growth as a regional power during that time, as Joyce and colleagues (1995) have suggested, but I would argue that the procurement strategy is not as broad as it appears. Because of Teotihuacán's growing power, and due to the abundance of important coastal resources found in the lower Río Verde Valley, Teotihuacán would have likely jumped at the opportunity to begin developing an extensive exchange relationship with the lower Verde, whereby the lower Verde would receive obsidian in return for shellfish, cotton, cacao, and other products. The abundance of Pachuca obsidian, especially, reflects this, but the presence of Paredón and Otumba obsidians also support this argument. Those obsidians probably were traded south through the Valley of Oaxaca, where Monte Albán was also developing an important relationship with Teotihuacán, before being sent through the mountains to the lower Verde. The other obsidian sources identified (Ucareo, Guadalupe Victoria, Orizaba) were already reaching the coast in previous periods. However, this suggestion is merely speculation at this time and more extensive analysis of Terminal Formative obsidian sources would need to be undertaken, especially at sites between Teotihuacán and the lower Río Verde Valley, to verify these claims, especially given the paucity of obsidian studies on Terminal Formative contexts throughout Oaxaca and Mexico.

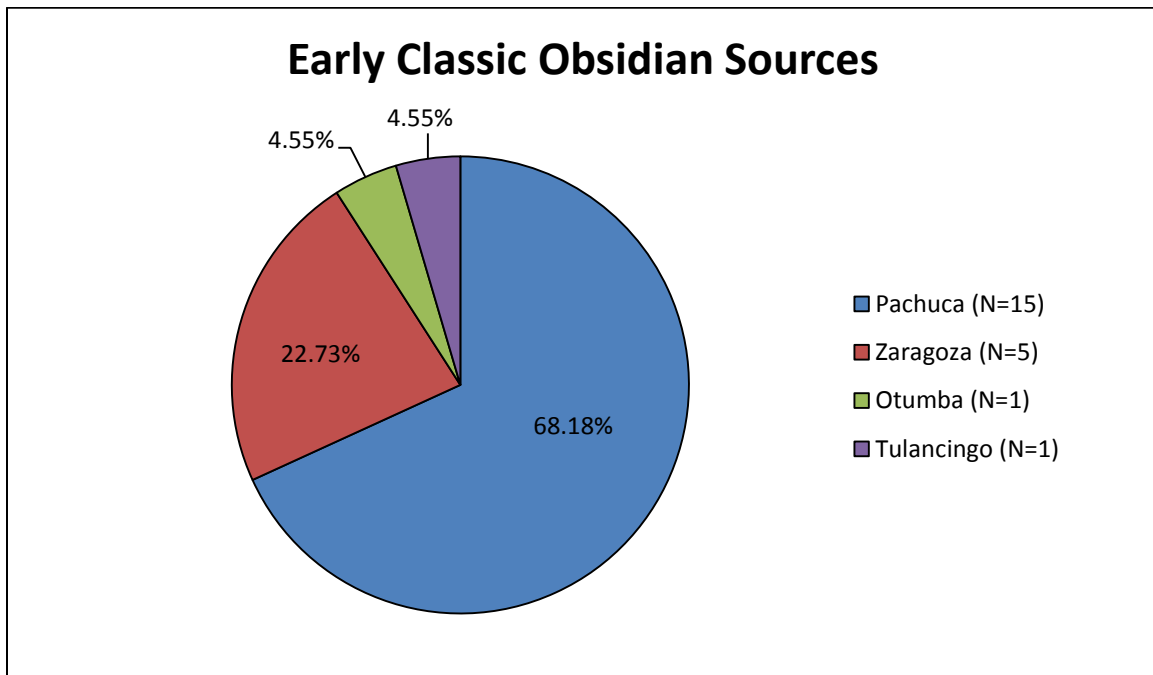
Classic obsidian sources

Joyce and colleagues (1995) submitted a total of 27 artifacts from Classic period contexts, 11 of which dated to the Coyuche Phase, and 16 of which were collected from Yuta Tiyoo contexts, though the majority of the Late Classic artifacts (N=10) came from mixed or near-surface deposits. Sourced obsidian artifacts from Early Classic contexts in the lower Río Verde Valley come from four sources: Pachuca, Zaragoza, Otumba, and Tulancingo (Figure 5.14). In addition to the sourcing analysis, visual analysis indicates that extremely high quantities of green obsidian dominate the Early Classic assemblage.

For example, in Operation A, Lot 7, Units 3 and 4 at San Francisco de Arriba, from where Workinger's sourced sample of obsidian came, a total of 95 obsidian artifacts were analyzed. Of those 95 artifacts, 86 (90.52%) were green in color, and those green artifacts include a total of 27 flakes or chunks and one green biface, suggesting that green cores for manufacturing bifacial tools were arriving into the region. From the entire Early Classic midden in Operation A, 285 pieces of obsidian were collected, of which 85% (N=243) were green. The recent discovery of an Early Classic midden at Charco Redondo is also indicative of the high quantities of Pachuca entering the lower Río Verde Valley; within the midden, 230 pieces of obsidian were collected, 95% of which were green (M. Butler personal communication, 2011). Based on the higher proportions of Pachuca at Río Viejo, San Francisco, and, now, Charco Redondo, Pachuca obsidian was obviously very important to the region.

Joyce et al. (1995:10-11) attribute the presence of green blades and no other green debitage to the idea that all green blades were premade, probably at workshops associated with the Pachuca source and Teotihuacán, before being exported across Mesoamerica.

Figure 5.14 Early Classic obsidian source frequencies



However, Clark (1986:69) notes that “Teotihuacáno specialists [did not] reduce the cores into blades; blades were made by specialists residing in the importing areas.” The presence of green flakes, core fragments, and other debitage at San Francisco de Arriba in Operation A (Feature 99A-F14) would suggest that blade production was, indeed, occurring within the lower Río Verde Valley during the Early Classic. Likewise, Santley (1989:138) notes that because of the brittle nature of prismatic blades, the most cost-effective method for transporting obsidian would be as prepared pressure cores, leaving the blades to be removed at their final destination. It is very likely that, because rulers at Río Viejo were the central authorities at this time, they would have received premade blades from part-time or itinerant specialists from elsewhere in the region, such as at San Francisco de Arriba. If this is the case, the blade manufacturing debris may not necessarily turn up at Río Viejo. It is not surprising that no manufacturing evidence was identified at Río Viejo, however; blade manufacture would almost

certainly occur in specific production or “workshop” areas, though I hesitate to use that term based on the lack of identification of any formal workshop locales in the lower Río Verde Valley.

Elam (1993) reports high percentages of Pachuca obsidian from Monte Albán (MA) IIIa contexts at Monte Albán in the Valley of Oaxaca. Out of 49 sourced artifacts from MA IIIa contexts, 28 (57.14%) came from Pachuca; sixteen (32.65%) of the artifacts came from Zaragoza. Other sources identified include Orizaba (4.08%), Otumba (4.08%), and Paredón (2.04%). The Pachuca, Zaragoza, and Otumba mirror the results from the lower Río Verde Valley, despite the slightly lower quantities of Pachuca and slightly higher quantities of Zaragoza in the Valley of Oaxaca.

In the Southern Isthmus of Tehuantepec during the Early Classic, Zeitlin (1982:268) reports that Zaragoza obsidian accounts for 78% of the assemblage. An additional 17% of the assemblage came from Altotonga, located near Zaragoza. The lack of high quantities of Pachuca here suggests that the southern Isthmus was experiencing a much different set of relationships with obsidian distributors than the lower Río Verde Valley.

The high quantities of Pachuca found within the lower Río Verde Valley are a testament to Teotihuacán’s desire to obtain valuable coastal resources (Santley 1983). Since the lower Río Verde Valley was involved in cotton production of textile goods, and it has easy access to a bevy of marine resources including ornamental shell (Joyce 2010:241), it would have been a valuable asset to Teotihuacán as its power and influence reached across Mesoamerica during the Early Classic period.

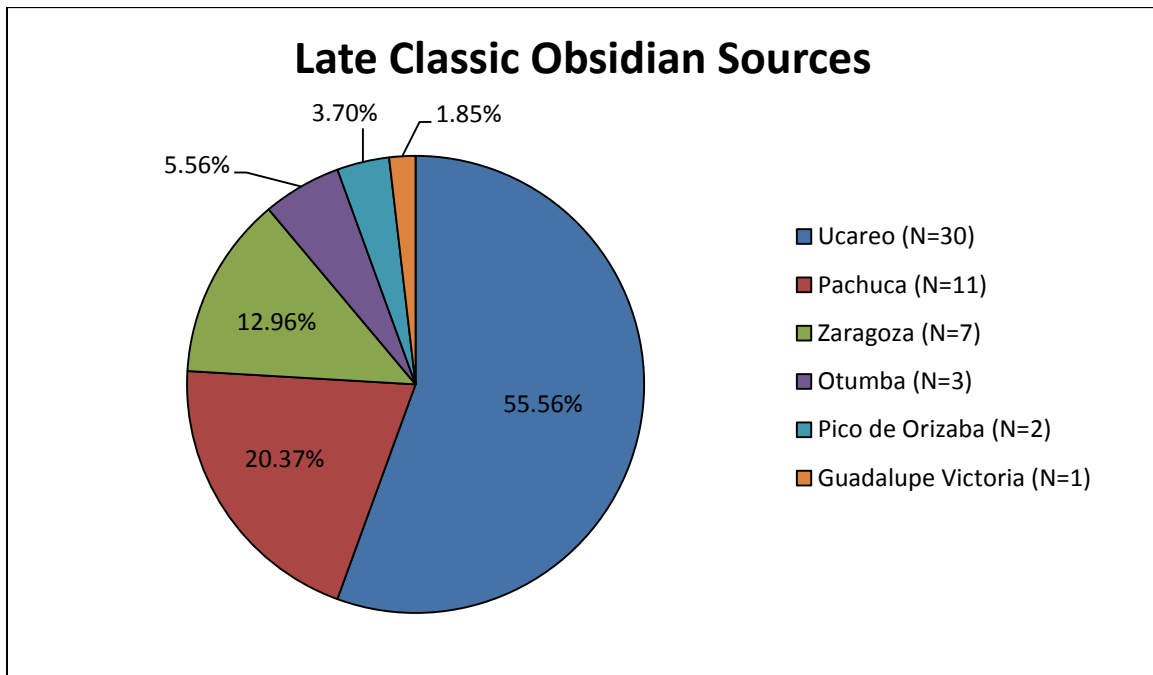
By the Late Classic Yuta Tiyo Phase, obsidian procurement patterns in the lower Río Verde Valley had changed again. These changes correspond to both the collapse of

Teotihuacán as a major political power in Mesoamerica, and with an increased population and political centralization of Río Viejo as the regional capital (Joyce 2010:214). It was during this time that Río Viejo reached its maximum size of 250 ha, and the acropolis was once again occupied with Chatino residents. This change in rulership, coupled with the fall of Teotihuacán, triggered obsidian acquisition from a new primary source, Ucareo, during the Late Classic.

Two separate analyses, one by Joyce and colleagues (1995), who submitted sixteen obsidian artifacts from Late Classic contexts at Río Viejo for geochemical analysis, and the 2011 analysis discussed above, indicate that Ucareo was the dominant source entering the lower Río Verde Valley during the Late Classic (Figure 5.15). The only appearance of Ucareo obsidian previously identified at Río Viejo was during the early Terminal Formative when two flakes were attributed to that source. The sample Workinger (2002) submitted from San Francisco de Arriba contained Ucareo obsidian as early as the Late Formative, which may have been attributed to the site's prominence during that period, as discussed above. However, prior to the Late Classic, Ucareo obsidian was relatively limited in the region. Five other sources were also identified, but in smaller quantities: Zaragoza, Orizaba, Otumba, Guadalupe Victoria, and Pachuca.

Pachuca obsidian, surprisingly, continued to constitute a fair percentage of the assemblage, and may have continued to be acquired due to its high quality and distinctive, possibly ritually-related, green color. Despite the collapse of Teotihuacán, populations in the lower Verde likely continued to revere the green color and maintained connections to the source. The results also support Joyce and colleagues' (1995:11) presumption that Ucareo was likely the preferred source of material for Río Viejo's elite class. Since the artifacts in the 2011

Figure 5.15 Late Classic obsidian source frequencies



analysis were found in a Late Classic midden that was identified at the edge of the large sunken patio in the middle of the Mound 1 acropolis, it can be speculated that the material was acquired by elites for use in ritual feasting activities. Though Ucareo obsidian was also used for other, everyday activities by commoners and elites alike (Hirth and Castanzo 2006).

In Morelos, Hirth (2000; Hirth et al. 2006b) reports that over 75 percent of the obsidian collected and sourced from Gobernador Phase (AD 650-900) Xochicalco came from Ucareo. All of the sources identified at Xochicalco (Zacualtipan, Pizzarin, Pachuca, Paredón, Tulancingo, and Otumba) came from Western Mexico or the Basin of Mexico, which varies with the lower Verde's procurement of Gulf Coast sources (e.g., Orizaba, Zaragoza, Guadalupe Victoria). Interestingly, the Basin of Mexico sources, especially Otumba, are of the closest proximity to Xochicalco, whereas Ucareo and Zacualtipan are the furthest sources away. While the high percentage of Ucareo obsidian is similar to Río Viejo's assemblage, the much smaller amount of

Pachuca obsidian is very different, which is surprising given Pachuca's much closer proximity to Xochicalco. Hirth (2000:195) notes that during the Fogón Phase (ca. AD 200-650), Pachuca and Otumba obsidians combined comprised between 80-85% of Xochicalco's assemblage; this number drops significantly by the Gobernador Phase, accounting for only between 3-9% of the assemblage.

Based on Healan's research (1989 [cited in Cobean 2002], 1997) it seems clear that not only was Ucareo one of the most important sources of obsidian in Central Mexico from Early Formative times, but that after the collapse of Teotihuacán in AD 600, it replaced Pachuca as the primary quarry for Central Mexican populations (Cobean 2002:65). Most of the obsidian mined from Ucareo was used in core-blade manufacture (Cobean 2002:67); obsidian would have been mined and the cores prepared on site at the quarry before being traded to workshop locations for blade production (see Hirth et al. 2006a for an example of this). This explains the prevalence of Ucareo prismatic blades at Río Viejo, but the lack of any other production material (i.e., core fragments, rejuvenation flakes) suggests that obsidian was only entering the lower Verde in blade form, not as preformed cores.

Within the lower Río Verde Valley, obsidian procurement during the Early Classic and Late Classic periods reflect very different social and political climates. During the Early Classic, a time of political fragmentation and possible imperial conquest by Teotihuacán, Pachuca obsidian dominates the assemblage. This is not surprising given Teotihuacán's interest in the lower Verde's coastal resources; Pachuca was exchanged in very high quantities during the Early Classic. By the Late Classic, with the collapse of Teotihuacán and a reemergence of political centralization at Río Viejo, Ucareo obsidian replaced Pachuca as the dominant source.

As noted at other sites at this time (e.g., Tula, Xochicalco; see Cobean 2002), Ucareo replaced Pachuca as the primary source of obsidian in Central Mexico. Based on Río Viejo's reestablished political authority, it was likely connected to Ucareo through Xochicalco, where large quantities of prismatic blades were being produced out of Ucareo obsidian. Since no Late Classic blade production debris has been identified that can be attributed to Ucareo, it seems likely that prismatic blades were being produced at Xochicalco and then traded south through the Valley of Oaxaca or the Mixteca Baja to the coast, though, as discussed above, no blade production areas have yet been identified in the lower Verde so Ucareo could have also been traded in core form with blades produced in other locations off of the Río Viejo acropolis.

Postclassic obsidian sources

In their analysis of Postclassic obsidian from the sites of Río Viejo and Tututepec, Levine and colleagues (2011) submitted 153 artifacts for geochemical sourcing analysis using XRF techniques. Over one-third (N=54; 35.29%) of the sample was from Early Postclassic Yügüe Phase contexts at Río Viejo; these artifacts were collected from two middens in Operation A on Mound 1-Structure 2 at Río Viejo during the PRV00 project (see above). The remaining 99 artifacts were collected during Levine's (2007) TAP excavations at Tututepec, and all come from the Late Postclassic Yucudzaa Phase; the obsidian came from Residences A (N=69) and B (N=30). In addition to XRF analysis of the 153 artifacts, all obsidian from Residences A and B (N=838 and N=281, respectively) were subjected to visual sourcing in order to verify the efficacy of visual analysis on Mexican obsidian. Results from the visual analysis showed that nearly 95% of the obsidian assemblage from those residences at Tututepec were green and

translucent gray (and/or nearly clear gray, based on this author's analysis) with "darker wispy-like inclusions" (Levine et al. 2011:125). The XRF results of samples of the visually analyzed artifacts (N=33) showed that the green artifacts were attributed to the Pachuca, Hidalgo source, while the translucent or nearly clear gray obsidian with wispy inclusions came from Pico de Orizaba. These results are important for future archaeological work because it may not be necessary—or financially feasible—to source every single obsidian artifact collected when they can be accurately visually assigned to the Pachuca or Pico de Orizaba sources. Unfortunately, the other sources identified with XRF (e.g., Otumba, Zaragoza, Paredón, and Ucareo) were not as accurately assigned based on a general homogeneity of translucent or opaque gray color.

From the Early Postclassic period, Levine and colleagues (2011:126) identified six separate obsidian sources: Ucareo, Zaragoza, Zacualtipan, Orizaba, Otumba¹⁰, and Pachuca (Figure 5.16). The Western Mexican source of Ucareo comprises the single most acquired source of obsidian, but slightly more of the artifacts came from Basin of Mexico (e.g., Otumba, Pachuca, and Zacualtipan; N=19, 35.19%) and Gulf Coast sources (e.g., Pico de Orizaba and Zaragoza; N=18, 33.33%). As Levine et al. (2011; see also Joyce and Weller 2007; Joyce et al. 2001) discuss, Río Viejo experienced a social and political collapse during the Early Postclassic, where it was no longer the single regional power as it had been during the Late Classic. The procurement strategies reflected in the Río Viejo obsidian assemblage are broad, as illustrated by six utilized sources at this time, with no single source comprising an absolute majority of the assemblage. Similar trends in obsidian procurement (i.e., populations acquiring a wide variety

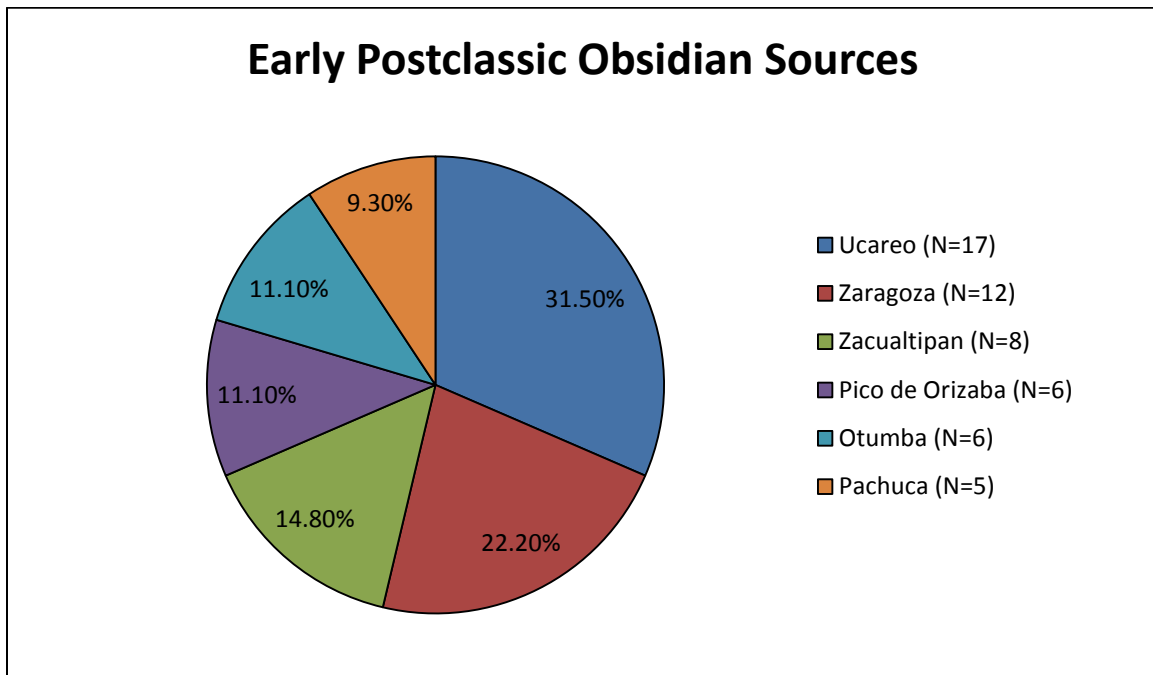
¹⁰ A single artifact from the RVOA sample was determined to be Unknown based on the XRF analysis (see Levine et al. 2011, Table 3). However, our recent geochemical analysis of lower Verde obsidian included reanalysis of the "unknown" artifact using NAA. The results of the NAA analysis show that the obsidian came from the Otumba source. This changes the total number of Otumba artifacts in Levine et al's (2011) analysis to 6, and changes the total percentage of Otumba in the assemblage to 11.1%.

of obsidian) are found across Mesoamerica during this time (see Braswell 2003a, Tables 20.1, 20.2; and see discussion below).

In the Southern Isthmus of Tehuantepec, Zeitlin (1982:270) notes a heavy reliance on Pico de Orizaba obsidian; this source made up 52% of the obsidian assemblage. Other Mexican sources represented during the Early Postclassic include Pachuca, Paredón, and Metzquititlan, and small quantities of Altotonga and possibly Zaragoza from the Gulf Coast; two Guatemalan sources, El Chayal and Palencia, were also found, but the percentages of these sources were not provided (Zeitlin 1982:270). While the lower Río Verde Valley also acquired Pachuca and Orizaba obsidians, none of the other sources found in the southern Isthmus were identified at Río Viejo during the Early Postclassic. After the early Terminal Formative, Paredón obsidian does not appear in the lower Verde until the Late Postclassic, and Metzquititlan or the Guatemalan sources have never been identified in any prehispanic period in the region. It seems likely that the lower Verde was involved in a different set of exchange networks than the southern Isthmus of Tehuantepec.

Other sites in Mexico show similar patterns to the obsidian acquisition by lower Verde populations during the Early Postclassic. Most often, sites during the late Epiclassic and Early Postclassic in Mesoamerica typically contain high quantities of only one or two obsidian sources (Braswell 2003a, Table 20.1). Ucareo and Zaragoza were used in very high quantities, especially in Mexican sites. Otumba, Orizaba, and Pachuca are generally found across Mexico in similar quantities to the lower Río Verde Valley, but the presence of Zacualtipan obsidian at Río Viejo is particularly unusual; only a handful of sites, including Xochicalco, have any Zacualtipan obsidian at this time (Braswell 2003a, Table 20.1). So the lower Verde was likely involved in multiple

Figure 5.16 Early Postclassic obsidian source frequencies



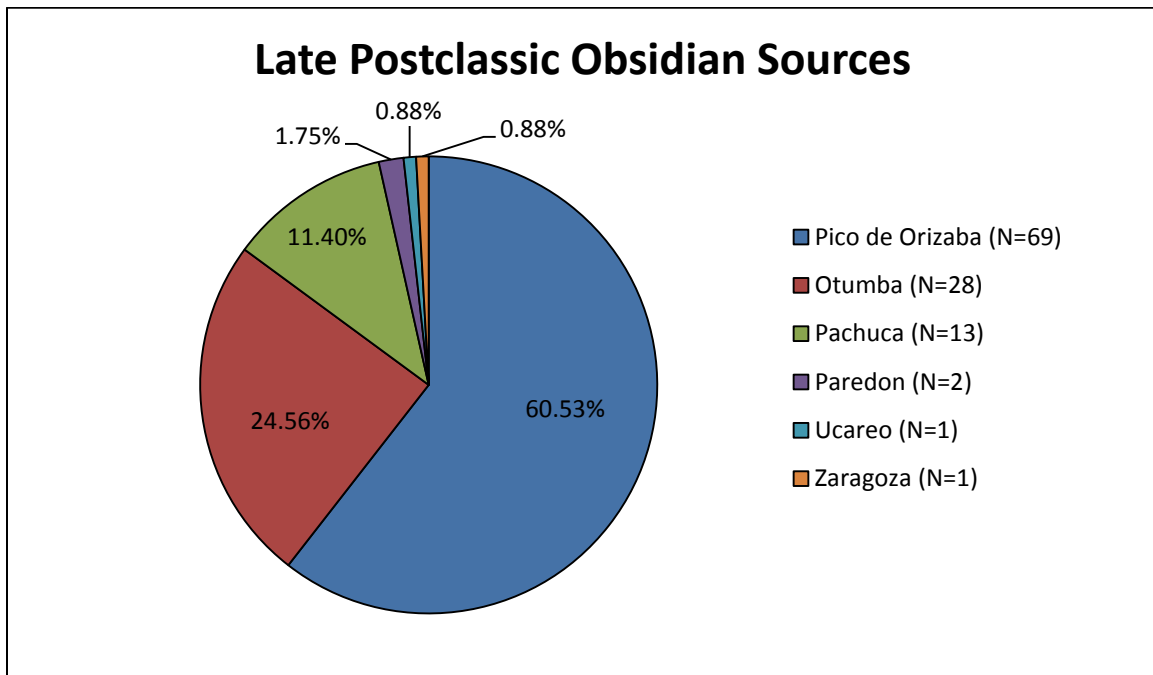
exchange networks spanning Mesoamerica, whereby coastal products like cotton, cacao, shellfish, and other marine resources would have been traded into the highlands for obsidian from multiple source locations. Cultural and religious information would likely have also been exchanged at this time: “Having access to new and exotic ritual practices, iconography, art styles...provided elites with a means of demonstrating their special access and mastery of the supernatural realm” (Levine et al. 2011:127; see also Hedgepeth 2010).

The Tututepec obsidian assemblage comes from Residences A and B, which date to the Fourteenth Century and Fifteenth Century, respectively. Both periods correlate to the Late Postclassic when the Mixtec Empire, centered at Tututepec, reached its apex (see Joyce et al. 2004a, 2004b for more thorough discussions of that period). Like the Early Postclassic sample sourced from RVOA, the Residence A XRF sample identified six separate sources. However, some very different trends appear in those results. The six sources include Orizaba, Otumba,

Pachuca, Paredón, Ucareo, and Zaragoza. Including the visual analysis results, Orizaba (51.4%) comprises the bulk of the sample, but Pachuca (46.1%) makes up almost all of the rest of the assemblage. Otumba only comprises 1.7% of the total assemblage when accounting for the visual analysis (i.e., adding the visual analysis counts to the XRF counts), and Paredón, Ucareo, and Zaragoza each make up only 0.1% of the assemblage. No Zacualtipan obsidian was identified, and Paredón emerges as an acquired source at this time. Interestingly, the primary source acquired is Pico de Orizaba, from the Gulf Coast source area in Veracruz. Levine and colleagues (2011:128) suggest that the increased consumption of Orizaba obsidian at Tututepec during the Late Postclassic was centered on both the source's high quality, and Orizaba's possible association with the large center of Cholula. High levels of Basin of Mexico obsidians—Otumba, Pachuca, and Paredón—reflect regional trends of the Late Postclassic in the Valley of Oaxaca and the Southern Isthmus of Tehuantepec (Winter 1989; Zeitlin 1982), and indicate that interregional interaction was either maintained or reestablished with populations in the basin at this time, prior to and during the Aztec Empire.

In the Fifteenth Century, obsidian acquisition generally remained constant with the Fourteenth Century. Levine et al. (2011) identified only four sources from Residence B at Tututepec, but these were all identified in the Residence A analysis as well. Combined visual and XRF analyses show that Pico de Orizaba, Otumba, Pachuca, and Paredón obsidians were all found in Residence B. Pico de Orizaba (63.3%), again, was the primary source acquired during the Fifteenth Century, with Pachuca (32%) comprising the bulk of the remaining assemblage. Otumba obsidian only made up 4.3% of the assemblage, and Paredón makes up less than one

Figure 5.17 Late Postclassic obsidian source frequencies



percent (0.4%) of the assemblage. Levine and colleagues (2011:129) attribute the slight drop in Pachuca obsidian between the Fourteenth and Fifteenth Centuries to the spread of the Aztec Triple Alliance. Because the Aztecs would have maintained at least minimum control over the Pachuca source area¹¹, Tututepec probably would have gradually received less Pachuca obsidian as tensions between the Mixtec Empire at Tututepec and the Aztec Empire grew. This, as Levine et al. (2011:129) argue, would have forced an increased reliance upon Orizaba obsidian from Veracruz as the availability of Pachuca obsidian diminished.

Workinger's (2002) sample of obsidian artifacts collected from the eastern periphery of Tututepec reflect the general pattern of Levine and colleagues' (2011) Late Postclassic results. Workinger collected fifteen obsidian artifacts during the survey of the Río San Francisco Valley,

¹¹ It is noted (Braswell 2003a:157) that the Pachuca polity probably directly controlled the Pachuca source area, despite being a part of the Acolhua state. Texcoco, a member of the Triple Alliance, was the capital of the Acolhua state, so the Aztecs would have maintained at least some control over the Pachuca source area in terms of mining and distribution.

and three sources were represented in the sourcing analysis. There were eight artifacts (53.33%) of Orizaba, five (33.33%) of Pachuca obsidian, and two (13.33%) objects of Otumba obsidian.

By AD 1200, Orizaba and Pachuca also became the two most dominant obsidian sources in the Southern Isthmus of Tehuantepec (Zeitlin 1982:270). Heller and Stark (1998) report high quantities of Pachuca and Orizaba obsidian from the sites in the Mixtequilla Zone of Veracruz. Within the Valley of Oaxaca, Elam (1993) identified a slightly different pattern of obsidian acquisition during the Monte Albán (MA) V period (AD 950-1521): Guadalupe Victoria, Orizaba, Otumba, Pachuca, and Zaragoza obsidians were all identified. Unfortunately, since these are contexts are mixed, it is difficult to specifically attribute the sources to the MAV period. The presence of Orizaba and Pachuca do support the general regional and Mexican trends in procurement, but the high quantity of Zaragoza (N=21) at Jalieza in the mixed MAV contexts contradicts the findings almost everywhere else. Braswell (2003a, Table 20.3) shows that very few locations had any notable quantity of Zaragoza obsidian during the Late Postclassic. The Mixtequilla Zone, and the sites of Pareo, Urichu, Uruapan, and Zaracuaro all had relatively high quantities of Zaragoza, but almost all other sites or regions reported had little to none of that source. In the Yautepec Valley, Morelos, Smith and colleagues (2007) identified high quantities of both Pachuca and Otumba obsidian.

In general, the obsidian assemblage from the lower Río Verde Valley during the Postclassic period mirrors the rest of Mexico. During the Early Postclassic Yugüe Phase, Río Viejo was likely involved in multiple exchange networks centered on acquiring obsidian from at least six sources, including three in the Basin of Mexico, two in the Gulf Coast region, and one

from West Mexico. This trend of broad procurement and a diversity of sources is found in sites throughout Mexico during this time. By the Late Postclassic, Orizaba and Pachuca obsidians became the dominant sources. As Levine and colleagues (2011) discuss, Pachuca obsidian likely came from economic transactions with the Triple Alliance in Central Mexico even though political interactions between the regions were tense. Orizaba obsidian probably came from Tututepec's ties to Cholula in Puebla, where the source may have been under control of that center. Alternatively, Cobean (2002:161) argues that the Pico de Orizaba mines may have been conquered by the Aztecs ca. AD 1469-1481. The Aztec garrison was placed approximately 20 km from the mines themselves, and the Aztecs may have seized control of Orizaba in order to appease demands for greater quantities of obsidian as the empire grew much larger. The pattern of Pachuca obsidian being the dominant source during the Late Postclassic is found throughout Mexico (Braswell 2003a, Table 20.3), while Orizaba is generally only found in Gulf Coast sites, or those sites that probably had political and economic ties to Cholula. As Levine et al. (2011:130) note, the sourcing results from the Postclassic in the lower Río Verde Valley are preliminary and, due to a limited sample size.

Summary

Based on the various geochemical sourcing analyses that have been conducted on obsidian artifacts from sites in the lower Río Verde Valley, in addition to the changing technological attributes found through time (see Chapter 4), we can identify various trends regarding procurement of obsidian from specific sources and source regions through time (Table 5.03). The broader trends of obsidian acquisition and use in the lower Verde seem to

generally reflect the trends elsewhere in Mexico through each prehispanic period, though some minor variations exist during different points in time. Obviously, further analysis of obsidian, especially from primary contexts, will be need to identify if these general trends are accurate, but the analysis presented above provides a great starting point for any future work on this topic in the region.

Table 5.03 Sources and technological attributes present through time in the lower Río Verde Valley

Time Period	Sources	Technological Attributes
Late Postclassic	Orizaba, Otumba, Pachuca, Paredón, Ucareo, Zaragoza	Prismatic blades dominate the assemblage; all proximal segments have finely ground platforms
Early Postclassic	Orizaba, Otumba, Pachuca, Ucareo, Zaragoza, Zacualtipan	Lots of prismatic blades - over 3/4 of the assemblage; ground platforms continue
Late Classic	Guadalupe Victoria, Orizaba, Otumba, Pachuca, Ucareo, Zaragoza	Minimal production evidence, but prismatic blades dominate the sample; first truly ground platforms
Early Classic	Malpais, Otumba, Pachuca, Tulancingo, Zaragoza	Much higher quantities of prismatic blades, including production evidence; continued scoring of platforms
Late Terminal Formative	Guadalupe Victoria, Otumba, Pachuca, Ucareo, Zaragoza	Continued use of prismatic blades; first evidence of platform scoring; lots of flaking evidence
Early Terminal Formative	Guadalupe Victoria, Orizaba, Otumba, Paredón, Ucareo	Prismatic blades about 50% of assemblage (small sample though)
Late Formative	Guadalupe Victoria, Orizaba, Otumba, Pachuca, Paredón, Ucareo, Zaragoza	Higher quantities of prismatic blades; still lots of expedient or bifacial flaking tech.
Middle Formative	Guadalupe Victoria, Orizaba, Otumba, Zaragoza	First evidence of prismatic blade tech.; primarily expedient flaking or bifacial reduction
Early Formative	Guadalupe Victoria, Malpais, Orizaba, Otumba, Paredón, Zaragoza	Expedient flake technology; probably some bifacial reduction; no prismatic blades

Chapter 6

Conclusions

In the previous chapters I have discussed the typological and sourcing analyses of obsidian artifacts from the lower Río Verde Valley, Oaxaca, Mexico in terms of diachronic change. In the remaining sections I provide a review of the results presented above, as well as some final thoughts, considerations, and recommendations for future work on obsidian artifacts in the lower Verde

The obsidian of the lower Río Verde Valley, Oaxaca, Mexico

This study comprises the typological and geochemical analyses of 5278 obsidian artifacts collected from excavations and surface collections within the lower Río Verde Valley, Oaxaca, Mexico. Several distinctive technological and source changes occurred through each prehispanic period.

During the Early Formative (ca. 1900-850 BC) the obsidian utilized at the site of La Consentida primarily consisted of Gulf Coast sources. Pico de Orizaba was the primary source identified from this period. Based on the geochemical analysis, it seems likely that the Pacific coast of Oaxaca, based in the lower Verde, participated in long-distance exchange networks with the Gulf Coast, and probably with the Olmec. The high quantities of obsidian debris (i.e., flakes, flake fragments, and chunks) collected from La Consentida suggest that obsidian was primarily used for expedient flaking during the Early Formative. It is also likely that bifacial tool production was occurring, but only minimal evidence of this has been identified. No prismatic blades have yet been identified from Early Formative contexts in the lower Verde, though all

contexts from which obsidian has been collected date to the earlier part of that period; blades may yet appear in the archaeological record by the late Early Formative. Also, no green obsidian from the Pachuca source was identified within the Early Formative assemblage. This is surprising given the presence of Pachuca in the Valley of Oaxaca at the same time, though it may simply reflect a lack of any formal relationship between the lower Verde and the Pachuca source location.

By the Middle Formative (700-400 BC), the Gulf Coast trade network continued to comprise approximately two-thirds of the assemblage. Basin of Mexico sources are more prevalent, however, and some of the first evidence of prismatic blade usage in the lower Río Verde Valley can be attributed to a Basin of Mexico source: Otumba. While prismatic blades made their first appearance during this period, expedient flaking still appears to have constituted the bulk of obsidian use. Like the Early Formative before, no green obsidian has yet been identified in Middle Formative contexts. However, the general paucity of Middle Formative artifacts may be the cause of this. It is entirely possible that green obsidian was reaching the coast at this time, as it was commonly found in contemporary contexts the Valley of Oaxaca and other Mesoamerican locations.

During the Late Formative (400-150 BC), prismatic blades continued to grow in importance, constituting just over nine percent of the assemblage from that period. However, expedient flaking or bifacial tool manufacture was still the method of choice for making obsidian tools. The Late Formative also marks the first time that Basin of Mexico sources dominate the assemblage. Other important introductions to the lower Verde at this time were objects from the Pachuca and Ucareo sources. Prior to the Late Formative, neither of these

sources had been identified in the lower Verde; both appear for the first time at San Francisco de Arriba, which may have been related to the site's prominence during the Late Formative. Because the lower Río Verde Valley became a major population center by the Late Formative, it seems likely that obsidian from Ucareo and Pachuca, each a major Mexican obsidian source, would begin appearing when they had not before. Ucareo and Pachuca would both become extremely important sources in later periods.

While the Terminal Formative (150 BC-AD 250) obsidian assemblage from the lower Verde is generally lacking, the artifacts that have been collected provide some interesting information regarding obsidian acquisition and use. As with the Late Formative, prismatic blades continued to grow in importance during the Terminal Formative. This is the first period in which proximal prismatic blade segments are available, meaning that either whole blades were being traded into the region, or, more likely, blade production was occurring at locations within the lower Río Verde Valley. Throughout the Terminal Formative, a broad procurement pattern of obsidian occurred. While previous periods tended to have a single source or collection of sources from specific geographic regions dominates the assemblage, the Terminal Formative has no one single source that comprises the majority. The appearance of several simultaneous long-distance trade networks could be related to the collapse of the lower Verde state, meaning inhabitants of the region were forced to acquire obsidian from wherever they were able. In this situation, a wide variety of sources would be expected, and is, in fact, what is found in the lower Río Verde Valley. By the late Terminal Formative, much higher proportions of Pachuca obsidian were present, perhaps lending to the suggestion that the Basin of Mexico remained a consistent trade partner, probably through Chalcatzingo, during the collapse of the

state. Overall, however, the Terminal Formative sample is relatively small and more data need to be collected to more fully understand the nature of obsidian acquisition during that time.

Prismatic blade production becomes much more evident by the Classic period (AD 250-800). Manufacturing debris has been identified at San Francisco de Arriba, and supports the notion that much more blade production was probably occurring than previously suggested. In addition to prismatic blades, the inhabitants of San Francisco de Arriba were clearly manufacturing bifacial tools, especially out of green obsidian. Another technological innovation to arrive in the lower Verde during the Classic period was platform preparation. During the Early Classic scored platforms make their first appearance, with fully ground platforms emerging by the Late Classic. These trends broadly reflect the rest of Mesoamerica. In terms of sources, huge quantities of Pachuca obsidian have been collected from Early Classic contexts in the lower Río Verde Valley. The very high proportions of green obsidian—over 90 percent in some locations—are almost unheard of in Mesoamerica. These quantities are a testament to the importance of the lower Verde to Teotihuacán as an economic partner. By the Late Classic, however, Ucareo became the dominant source in the region. The decline of Pachuca may be related to Teotihuacán's collapse in the Valley of Mexico and the need for the lower Verde to establish new primary long-distance trading partners.

By the Postclassic (AD 800-1522), prismatic blades completely dominated the obsidian assemblage; very little evidence of other manufacturing activities exists. Blade producing was also certainly occurring, as core fragments and other manufacturing debris have been collected from Postclassic contexts at Tututepec. Ucareo remained the most important source acquired by the lower Río Verde Valley during the Early Postclassic, though, after the collapse of Río

Viejo at the end of the Classic period, a broad procurement pattern generally remained in place. During the Late Postclassic, Pico de Orizaba obsidian became the most dominant source, which may be related to the relationship between the Mixtec Empire and the city of Cholula during the reign of the Aztec Empire. Despite the wide-ranging Aztec presence throughout the Late Postclassic, Pachuca obsidian continued to constitute a high proportion of the lower Verde assemblage.

Overall, throughout prehispanic times, the obsidian assemblage appears to reflect the trends occurring in Mesoamerica at the same times; dominant sources, technological advancements, and long-distance trading networks generally mirror what was going on elsewhere. More research is needed to gain a more complete understanding of each of these trends and networks, as well as the many nuances that exist in communities and trade networks, but this research has provided a starting point and has presented the basic trends of the obsidian assemblage of the lower Río Verde Valley through time in terms of technology and obsidian sources.

Final thoughts and recommendations

Because this study was the first systematic analysis of obsidian artifacts in the lower Río Verde Valley, it is extremely important in terms of comparative analyses with neighboring regions, as well as for understanding the broader social, political, and economic changes through time. While previous studies (King 2005; Levine 2007; Spores 1990; Workinger 2002) have examined lithics from specific sites and/or time periods within the region, and others (Joyce et al. 1995; Levine et al. 2011; Workinger 2002) have examined changing obsidian

procurement patterns through specific periods of time, no previous analysis has synthesized all of the available data. Since this study examined the general changes of obsidian technology and source acquisition through each prehispanic period on the Pacific Coast, the data presented will allow future researchers to expand on the current work and explore new avenues of obsidian analysis.

For example, use wear studies can provide invaluable data pertaining to the daily use of both everyday and ritual items. Aoyama (1995, 2007, 2009), Clark (1988), Lewenstein (1981, 1987), and Parry (1987) have exhibited the benefits of microscopically analyzing obsidian artifacts throughout Mesoamerica, in order to understand the level and nature of domestic and ritual activities in prehispanic times, as well as what types of activities the obsidian was used for. Parry's (1987) study is currently the only analysis of its sort from obsidian artifacts in Oaxaca, so a use wear study of lower Verde obsidian would provide much great insight into daily activities from southern Mexico.

Previous analyses (King 2005; Levine 2007) have examined obsidian artifacts macroscopically for use wear, but these types of analyses can be problematic. For example, McBrearty and colleagues (1998) discuss how edge damage and striae can form on lithic artifacts after discard by people "trampling" on the artifacts. Also, macroscopic use wear should not be the only level of analysis; microscopic use wear should be utilized to identify subtle polishes, tiny striations, and patterns of microflaking invisible to the naked eye. The results from a microscopic use wear analysis of obsidian from the lower Río Verde Valley could then be compared to other regions throughout Mesoamerica to identify if local patterns in artifact use actually extend over broader regions.

While this study has examined the changing patterns of which obsidian sources were used through time, the lower Verde could still benefit from further, more thorough, sourcing studies. At this point we have a decent understanding of the variation of obsidian sources and patterns of trade through time in the lower Verde, but more sourcing analyses certainly could only further that understanding. For example, only six artifacts from the Middle Formative have been geochemically sourced. While the results of the sourcing analyses of those artifacts illustrate that the Gulf Coast sources of Guadalupe Victoria and Pico de Orizaba were the most extensively utilized, a pattern that continues from the Early Formative, it is unclear whether more sources from Central Mexico, beyond Otumba, were being acquired. Since at least six total sources were being used in the Early Formative, and at least five sources were acquired in the Late Formative, it seems likely that more than three sources would have been used during the Middle Formative. Other periods, such as the late Terminal Formative, would also benefit from more extensive sourcing analyses as well.

Another area that can benefit from more data is the technological analysis of lower Verde obsidian. I have presented an examination of various trends apparent in the available assemblage (e.g., the first prismatic blades in the region; the first instance of ground platforms), but some of the primary contexts have limited obsidian samples associated with them. Again, the Middle Formative sample is extremely small (N=6 from primary contexts). While we can see that prismatic blades began appearing by that time, a larger sample from that period would provide a much clearer picture regarding when and from where the first prismatic blades appear. Related to that is the gap between the early Early Formative period and the Middle Formative. While we have good data from the earliest part of the Early Formative (ca. 1800 BC)

at La Consentida, the next best dated context dates to around 700 BC. With such a large gap, an important technological (or even obsidian source) change could be missed; it may be that during the late Early Formative, prismatic blades made their first appearance in the lower Verde, as is seen in other regions throughout Mesoamerica. Until well-dated contexts from that period are identified, such issues will remain. Much like with the sourcing data, primary contexts from the Terminal Formative would provide a much clearer understanding of the nature of obsidian technology and tool production in the lower Río Verde Valley.

A final area that should receive more focus in the future is the quantification of tool production. That is, even though the numbers of cores and other production debris are relatively limited across the entire assemblage, examining the flaking debris found at lower Verde sites more thoroughly would allow for a much greater understanding of the true nature of blade (and other tool) production through time, and in differing (i.e., residential, ritual, public) contexts. The present assemblage seems to indicate that much more blade production was likely occurring than previous investigation suggested. It is much more economically feasible to transport polyhedral cores rather than finished blades because blades are more easily damaged. However, a full technological analysis should be undertaken to fully identify the level of blade production in the lower Verde.

Additionally, the focus of this and other previous analyses has been on the obsidian artifacts. This focus has largely ignored the non-obsidian chipped stone and ground stone tools, which can also provide important information regarding daily activities and economic systems. In many cases (e.g., Levine 2007), chert, quartz, and other materials only make up small fractions of the entire lithic assemblage, and it is unclear exactly how much of the total lithic

assemblages can be attributed to ground stone artifacts. At other sites and in other regions across Mesoamerica, all chipped stone and ground stone artifacts have been analyzed in much greater detail (Aoyama 2009; Clark 1988; Hirth 2006).

This thesis has presented data on obsidian artifacts from the lower Río Verde Valley that can facilitate a better understanding of trade networks and interregional interaction throughout prehispanic Mesoamerica. It appears that, on at least a general scale, the lower Verde was following similar patterns of artifact typology and obsidian acquisition through time as seen in other regions of Mesoamerica, particularly in Central Mexico and the Gulf Coast. The diachronic trends of obsidian source usage reflect broader social, political, and economic activities occurring within not only the lower Verde but also in Mesoamerica. Since this was the first systematic analysis of all obsidian artifacts in the region, in terms of both typology and acquisition, my hope is that it will have a lasting effect on archaeological research conducted in the future within the lower Río Verde Valley.

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Appendix A

The obsidian assemblage of the lower Río Verde Valley

This appendix presents tables regarding the data collected on the entire analyzed sample of obsidian artifacts from the lower Río Verde Valley, Oaxaca, Mexico. Two tables of data are presented for each site or excavation year. The first contains the excavation information (i.e., operation, unit, structure), the artifact description (i.e., flake fragment, prismatic blade, distal fragment), the notes describing the artifact, and the dating information. The second table contains the artifact count, color, and measurements (i.e., length, CE/M ratio). Both tables contain the artifact numbers to facilitate referencing between tables. These data can be used for comparative analyses, particularly in regards to artifact measurements and the CE/M ratios. Additionally, because the tables contain contextual and dating information, future work in the lower Río Verde Valley can benefit in the identification of particular artifact types or colors.

Table A.01 Río Viejo 1988 (RV88) artifacts

FS#	Op.	Unit	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV88-065d	F	1	10; 204-230 cm	Chunk		Pressure and percussion flaking on all sides	C ¹²
RV88-038c	D	1	2; 25-40 cm	Chunk		Pressure flaking scars on distal surface; partial bulb on ventral surface	C
RV88-059b	E	2	7; 150-172 cm	Chunk			C
RV88-074e				Chunk		From flotation sample 77	
RV88-016j	B	2	2; 39-75cm	Chunk			LC-PC
RV88-032a	B	3	32; 599-619 cm	Chunk		Large piece of fractured material; percussion flakes on all sides; several hinge fractures present; no regular pattern to flake removal	LF
RV88-069b	F	2	3; 50-71 cm	Core		Probable core fragment; medial section; 3 facets on dorsal surface; flake scarring on ventral surface; possibly as a rejuvenation for hinge fracture (see Clark and Bryant 1997:116)	C
RV88-060a	E	2	8; 172-190 cm	Flake		Percussion flake	C
RV88-006e	A			8	Flake	Percussion flake; platform present; bulb of percussion present	
RV88-008k	A		12; 229- cm	Flake		Small platform and bulb present	
RV88-018d	B	2	3; 75-92cm	Flake		Small platform and bulb on ventral side; possible the proximal end of a prismatic blade; concave dorsal surface	EC
RV88-069a	F	2	3; 50-71 cm	Flake		Percussion flake; platforms and bulbs on both proximal and distal ends, and dorsal and ventral surfaces	C

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¹² Temporal period designations: EF = Early Formative; MF = Middle Formative; LF = Late Formative; ETF = Early Terminal Formative; LTF = Late Terminal Formative; EC = Early Classic; LC = Late Classic; EPC = Early Postclassic; LPC = Late Postclassic; TF = Terminal Formative; C = Classic; PC = Postclassic; Mod. = Modern. An asterisk (*) denotes primary context artifacts (as discussed in Chapter 5).

Table A.01 cont.

FS#	Op.	Unit	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV88-003a	F	1	43	Flake		From flotation sample 1; Percussion flake; scarring on all sides	C
RV88-021a	B	2	19; 415-431 cm	Flake		Percussion flake; platform not present, bulb present	ETF
RV88-023a	B	2	40; 827-842 cm	Flake		Percussion flake; pressure scars on dorsal surface; platform crushed; partial bulb present on ventral surface	LF*
RV88-065c	F	1	10; 204-230 cm	Flake		Percussion flake - thinning flake?	C
RV88-073a			816-826 cm	Flake		Possible 1/2 butterfly flake from snapping a blade into sections (see Clark and Bryant 1997:122); from flotation samples 75	
RV88-012h	B	1	1; 40-80cm	Flake		Hinge fracture repair flake	LC-PC
RV88-007f	A		11	Flake fragment			
RV88-072a				Flake fragment		Percussion flake; from flotation sample 54	
RV88-007g	A		11	Flake fragment			
RV88-008l	A		12; 229- cm	Flake fragment			
RV88-012i	B	1	1; 40-80cm	Flake fragment		Percussion flake	LC-PC
RV88-012j	B	1	1; 40-80cm	Flake fragment		Percussion flake	LC-PC
RV88-012k	B	1	1; 40-80cm	Flake fragment		Percussion flake	LC-PC
RV88-012l	B	1	1; 40-80cm	Flake fragment		Percussion flake	LC-PC
RV88-013i	B	1	2; 80- 110cm	Flake fragment		Flake scarring on ventral and dorsal surfaces; possible flaked off a prismatic blade - ventral surface is blade-like	LC-PC

Table A.01 cont.

FS#	Op.	Unit	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV88-027c	B	3	3; 52-73.5 cm	Flake fragment		Percussion flake; no platform; partial bulb	EC
RV88-035a	B	3	37	Flake fragment		Interior percussion flake; no platform	LF
RV88-053a	E	1	15; 303-320 cm	Flake fragment		Possible core rejuvenation flake; single facet on one surface; possible blade arrises around periphery of core	C
RV88-068e	F	2	2; 33-50 cm	Flake fragment		Partial platform and bulb on ventral surface; pressure flake?	C
RV88-074a				Flake fragment		Percussion flake; hardly any platform; bulb on ventral surface; multiple flake scars on dorsal surface; from flotation sample 77	
RV88-074b				Flake fragment		Percussion flake; no platform; partial bulb; from flotation sample 77	
RV88-014a	B	1	32; 685-705cm	Flake fragment		Percussion flake; no bulb of platform, partial bulb; several flake scars on dorsal side - hinge fractures?	LF
RV88-015j	B	2	1; 15-39cm	Flake fragment		Possible part of blade fragment	LC-PC
RV88-033a	B	3	34; assoc. w/ Ent. 9	Flake fragment		Percussion flake; no platform; partial bulb	LF*
RV88-034a	B	3	36	Flake fragment		No platform; scarring on ventral and dorsal surfaces	LF*
RV88-049q	E	1	1; 0-24 cm	Flake fragment		Bulb remnants on ventral side; no platform	C
RV88-054o	E	2	1; 20-45 cm	Flake fragment		Percussion flake; no platform; partial bulb	C
RV88-057a	E	2	5; 104-122 cm	Flake fragment		Percussion flake; no platform; partial bulb	C
RV88-071a		Ent. 7		Flake fragment		From flotation sample 28	EC*

Table A.01 cont.

FS#	Op.	Unit	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV88-071b		Ent. 7		Flake fragment		From flotation sample 28	EC*
RV88-071c		Ent. 7		Flake fragment		From flotation sample 28	EC*
RV88-074c				Flake fragment		Percussion flake; no platform; partial bulb; from flotation sample 77	
RV88-074d				Flake fragment		Percussion flake; no platform; partial bulb; from flotation sample 77	
RV88-008m	A		12; 229- cm	Flake fragment			
RV88-024a	B	2	43; 879-901 cm	Flake fragment		Percussion flake; no platform; partial bulb	LF*
RV88-001a		Ent. 17	Fill	Prismatic blade	Distal	Final-stage blade; hinge fracture at distal end	EC*
RV88-001b		Ent. 17	Fill	Prismatic blade	Distal	Final-stage blade; hinge fracture at distal end	EC*
RV88-013a	B	1	2; 80- 110cm	Prismatic blade	Distal	Final-stage blade; hinge fracture at distal end	LC-PC
RV88-013e	B	1	2; 80- 110cm	Prismatic blade	Distal	Final-stage blade; distal tip fractured; slight outré passé curve	LC-PC
RV88-015a	B	2	1; 15-39cm	Prismatic blade	Distal	Final-stage blade; hinge fracture at distal end	LC-PC
RV88-015d	B	2	1; 15-39cm	Prismatic blade	Distal	Final-stage blade; angled end	LC-PC
RV88-020a	B	2	6; 144-165 cm	Prismatic blade	Distal	Final-stage blade; hinge fracture at distal end	ETF
RV88-029a	B	3	5; 93-115 cm	Prismatic blade	Distal	Final-stage blade; slight hinge fracture at distal end	EC
RV88-031a	B	3	7; 135-165 cm	Prismatic blade	Distal	Final-stage blade; hinge fracture at distal end	ETF*
RV88-043b	D	2	6; 85-108 cm	Prismatic blade	Distal	Final-stage blade; part of distal tip broken off; hinge fracture at distal end	C

Table A.01 cont.

FS#	Op.	Unit	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV88-047a	D	2	11; 178-196 cm	Prismatic blade	Distal	Final-stage blade; hinge fracture at distal end	LTF
RV88-048a	D	2	12; 196-211 cm	Prismatic blade	Distal	Final-stage blade; hinge fractures at both proximal and dorsal end - from small prismatic core, or bipolar core?	LTF
RV88-048b	D	2	12; 196-211 cm	Prismatic blade	Distal	Final-stage blade; distal tip of blade - has been removed	LTF
RV88-050e	E	1	2; 24-46 cm	Prismatic blade	Distal	Final-stage blade; hinge fracture at distal end	C
RV88-056b	E	2	3; 67-88 cm	Prismatic blade	Distal	Final-stage blade; outré passé curve	C
RV88-075a				Prismatic blade	Distal	Final-stage blade; very tip broken off; slight outré passé curve; extensive microflaking along lateral edges	
RV88-075b				Prismatic blade	Distal	Final-stage blade; single facet at very tip - may be bipolar core; outré passé curve; angled distal end	
RV88-075d				Prismatic blade	Distal	Final-stage blade; slight outré passé curve; slightly angled distal end	
RV88-075f				Prismatic blade	Distal	Final-stage blade; slight outré passé curve; convergence of several arrises/blade scars	
RV88-075h				Prismatic blade	Distal	Final-stage blade; very slight outré passé curve; becomes extremely thin (0.48mm) at distal tip	
RV88-037a	D	1	1	Prismatic blade	Distal	Final-stage blade; hinge fracture on ventral surface at distal end	C
RV88-006c	A		8	Prismatic blade	Distal	Final-stage blade; hinge fracture at distal end	
RV88-008c	A		12; 229- cm	Prismatic blade	Distal	Final-stage blade; hinge fracture at distal end	
RV88-008d	A		12; 229- cm	Prismatic blade	Distal	Final-stage blade; hinge fracture at distal end	

Table A.01 cont.

FS#	Op.	Unit	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV88-012a	B	1	1; 40-80cm	Prismatic blade	Distal	Final-stage blade; slight outré passé curve; angled distal tip	LC-PC
RV88-013b	B	1	2; 80-110cm	Prismatic blade	Distal	Final-stage blade (?); left lateral edge appears to have been pressure flaked off; not regular lateral edges	LC-PC
RV88-016h	B	2	2; 39-75cm	Prismatic blade	Distal	Final-stage blade; minimal hinge fracture at distal tip	LC-PC
RV88-017b	B	2	3; 75-92cm	Prismatic blade	Distal	Final-stage blade; square distal tip	EC
RV88-028b	B	3	4; 73.5-93 cm	Prismatic blade	Distal	Final-stage blade; hinge fracture at distal end	EC
RV88-068c	F	2	2; 33-50 cm	Prismatic blade	Distal	Final-stage blade; hinge fracture at distal end	C
RV88-007e	A		11	Prismatic blade	Distal	Final-stage blade; very tip; slight outré passé curving	
RV88-010b	A		14	Prismatic blade	Distal	Final-stage blade; outré passé curve; single-facet distal end	
RV88-011c	A		17; 338- cm	Prismatic blade	Distal	Final-stage blade; hinge fracture at distal end	
RV88-012c	B	1	1; 40-80cm	Prismatic blade	Distal	Final-stage blade; angled end; slight outré passé	LC-PC
RV88-012g	B	1	1; 40-80cm	Prismatic blade	Distal	Final-stage blade; possible small hinge fracture; pressure flake scar on dorsal side of distal end	LC-PC
RV88-015e	B	2	1; 15-39cm	Prismatic blade	Distal	Final-stage blade; hinge fracture at distal end	LC-PC
RV88-025a	B	3	1; 0-21 cm	Prismatic blade	Distal	Final-stage blade; slight outré passé curve; distal end "chewed up" - pressure flake down dorsal arrises	LC-PC
RV88-025d	B	3	1; 0-21 cm	Prismatic blade	Distal	Final-stage blade; hinge fractures at both proximal and dorsal end - from small prismatic core, or bipolar core?	LC-PC

Table A.01 cont.

FS#	Op.	Unit	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV88-036a	C	1	4; 65-85 cm	Prismatic blade	Distal	Final-stage blade; hinge fractures at both proximal and dorsal end - from small prismatic core, or bipolar core?	
RV88-049c	E	1	1; 0-24 cm	Prismatic blade	Distal	Final-stage blade; small hinge fracture at distal end	C
RV88-049d	E	1	1; 0-24 cm	Prismatic blade	Distal	Final-stage blade; very distal tip has slight outré passé curve	C
RV88-049m	E	1	1; 0-24 cm	Prismatic blade	Distal	Final-stage blade; hinge fracture at distal end	C
RV88-049p	E	1	1; 0-24 cm	Prismatic blade	Distal	Final-stage blade; distal tip broken off	C
RV88-050a	E	1	2; 24-46 cm	Prismatic blade	Distal	Final-stage blade; very tip of distal end flat - may indicate bipolar prismatic core; outré passé curve	C
RV88-050b	E	1	2; 24-46 cm	Prismatic blade	Distal	Final-stage blade; very distal tip broken off	C
RV88-050f	E	1	2; 24-46 cm	Prismatic blade	Distal	Final-stage blade; slight outré passé curve	C
RV88-050g	E	1	2; 24-46 cm	Prismatic blade	Distal	Final-stage blade; hinge fracture at distal end	C
RV88-051a	E	1	3; 46-65 cm	Prismatic blade	Distal	Final-stage blade; hinge fracture at distal end	C
RV88-051c	E	1	3; 46-65 cm	Prismatic blade	Distal	Final-stage blade; multi-faceted distal end on ventral surface	C
RV88-054e	E	2	1; 20-45 cm	Prismatic blade	Distal	Final-stage blade; extensive pressure flaking on dorsal surface; distal tip flaked off - rounded end	C
RV88-054i	E	2	1; 20-45 cm	Prismatic blade	Distal	Final-stage blade; outré passé curve; multi-facet distal end	C
RV88-054k	E	2	1; 20-45 cm	Prismatic blade	Distal	Final-stage blade; angled end; hinge fracture at distal end	C

Table A.01 cont.

FS#	Op.	Unit	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV88-055b	E	2	2; 45-67 cm	Prismatic blade	Distal	Final-stage blade; small, single-facet at distal tip; slight outré passé curve	C
RV88-067a	F	2	1; 10-33 cm	Prismatic blade	Distal	Final-stage blade; angled distal tip	C
RV88-070a	F	2	5; 91-118 cm	Prismatic blade	Distal	Final-stage blade; end feather terminates into a point	C
RV88-004a	A	Wall	1	Prismatic blade	Distal	Final-stage blade; Very distal tip broken off; slight outré passé curve; very small pressure flake scar at distal end on dorsal surface	
RV88-006a	A		8	Prismatic blade	Distal	Final-stage blade; hinge fracture at distal end	
RV88-006b	A		8	Prismatic blade	Distal	Final-stage blade; hinge fracture at distal end	
RV88-008h	A		12; 229- cm	Prismatic blade	Distal	Final-stage blade; hinge fracture at distal end	
RV88-013c	B	1	2; 80-110cm	Prismatic blade	Distal	Final-stage blade; hinge fracture at distal end	LC-PC
RV88-027a	B	3	3; 52-73.5 cm	Prismatic blade	Distal	Final-stage blade; angled tip; hinge fracture at distal end	EC
RV88-042a	D	2	3; 40-55 cm	Prismatic blade	Distal	Final-stage blade; square distal tip; hinge fracture at distal end	C
RV88-007b	A		11	Prismatic blade	Medial	Final-stage blade	
RV88-008e	A		12; 229- cm	Prismatic blade	Medial	Final-stage blade	
RV88-009e	A		13; 253- cm	Prismatic blade	Medial	Final-stage blade	
RV88-009h	A		13; 253- cm	Prismatic blade	Medial	Final-stage blade	
RV88-013d	B	1	2; 80-110cm	Prismatic blade	Medial	Final-stage blade	LC-PC

Table A.01 cont.

FS#	Op.	Unit	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV88-013f	B	1	2; 80-110cm	Prismatic blade	Medial	Final-stage blade	LC-PC
RV88-013g	B	1	2; 80-110cm	Prismatic blade	Medial	Final-stage blade; fractures at proximal and distal ends angling in toward each other (<l)	LC-PC
RV88-015g	B	2	1; 15-39cm	Prismatic blade	Medial	Final-stage blade	LC-PC
RV88-016c	B	2	2; 39-75cm	Prismatic blade	Medial	Final-stage blade	LC-PC
RV88-016d	B	2	2; 39-75cm	Prismatic blade	Medial	Final-stage blade	LC-PC
RV88-016g	B	2	2; 39-75cm	Prismatic blade	Medial	Final-stage blade	LC-PC
RV88-019a	B	2	5; 114-144 cm	Prismatic blade	Medial	Final-stage blade	EC
RV88-019c	B	2	5; 114-144 cm	Prismatic blade	Medial	Final-stage blade	EC
RV88-025c	B	3	1; 0-21 cm	Prismatic blade	Medial	Final-stage blade	LC-PC
RV88-025f	B	3	1; 0-21 cm	Prismatic blade	Medial	Final-stage blade	LC-PC
RV88-025h	B	3	1; 0-21 cm	Prismatic blade	Medial	Final-stage blade	LC-PC
RV88-028a	B	3	4; 73.5-93 cm	Prismatic blade	Medial	Final-stage blade	EC
RV88-028c	B	3	4; 73.5-93 cm	Prismatic blade	Medial	Final-stage blade	EC
RV88-028d	B	3	4; 73.5-93 cm	Prismatic blade	Medial	Final-stage blade	EC
RV88-030b	B	3	6; 115-135 cm	Prismatic blade	Medial	Final-stage blade	ETF*
RV88-030c	B	3	6; 115-135 cm	Prismatic blade	Medial	Final-stage blade	ETF*

Table A.01 cont.

FS#	Op.	Unit	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV88-030d	B	3	6; 115-135 cm	Prismatic blade	Medial	Final-stage blade	ETF*
RV88-041a	D	1	12; Ent. 17 fill	Prismatic blade	Medial	Final-stage blade	EC*
RV88-043a	D	2	6; 85-108 cm	Prismatic blade	Medial	Final-stage blade	C
RV88-044a	D	2	7; 112-125 cm	Prismatic blade	Medial	Final-stage blade	C
RV88-046a	D	2	10; 160-178 cm	Prismatic blade	Medial	Final-stage blade; partial hinge fracture at distal end on ventral surface	EC
RV88-049b	E	1	1; 0-24 cm	Prismatic blade	Medial	Final-stage blade; possible hinge fracture at distal end	C
RV88-049h	E	1	1; 0-24 cm	Prismatic blade	Medial	Final-stage blade	C
RV88-049j	E	1	1; 0-24 cm	Prismatic blade	Medial	Final-stage blade	C
RV88-049n	E	1	1; 0-24 cm	Prismatic blade	Medial	Final-stage blade	C
RV88-066b	F	1	11; 230-248 cm	Prismatic blade	Medial	Final-stage blade	C
RV88-075c				Prismatic blade	Medial	Final-stage blade; small pressure flake removed from dorsal arrises	
RV88-075e				Prismatic blade	Medial	Final-stage blade	
RV88-075i				Prismatic blade	Medial	Final-stage blade	
RV88-075j				Prismatic blade	Medial	Final-stage blade	
RV88-075k				Prismatic blade	Medial	Final-stage blade	
RV88-075l				Prismatic blade	Medial	Final-stage blade	

Table A.01 cont.

FS#	Op.	Unit	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV88-076a	Ent. 17			Prismatic blade	Medial	Final-stage blade; Object 18 with Burial 17	EC*
RV88-067c	F	2	1; 10-33 cm	Prismatic blade	Medial	Final-stage blade	C
RV88-013h	B	1	2; 80-110cm	Prismatic blade	Medial	Final-stage blade; pressure flake scars on ventral and dorsal surfaces; also lots of edge damage	LC-PC
RV88-038a	D	1	2; 25-40 cm	Prismatic blade	Medial	Final-stage blade	C
RV88-062a	F	1	1; 0-36.5 cm	Prismatic blade	Medial	Final-stage blade; pressure scar on ventral surface at proximal end	C
RV88-075g				Prismatic blade	Medial	Final-stage blade	
RV88-002a	D-ext.	Ent. 21	Fill	Prismatic blade	Medial	Final-stage blade	EC*
RV88-005c	A		6; 107-122cm	Prismatic blade	Medial	Final-stage blade; pressure-flake-removed notch on lateral edge at one end (?)	
RV88-008a	A		12; 229- cm	Prismatic blade	Medial	Final-stage blade	
RV88-008f	A		12; 229- cm	Prismatic blade	Medial	Final-stage blade	
RV88-009a	A		13; 253- cm	Prismatic blade	Medial	Final-stage blade; one end flaked off into a perforator/punch/awl of some sort; appears to be pressure flaked from the ventral side to form the shape	
RV88-009d	A		13; 253- cm	Prismatic blade	Medial	Final-stage blade	
RV88-009f	A		13; 253- cm	Prismatic blade	Medial	Final-stage blade	
RV88-009g	A		13; 253- cm	Prismatic blade	Medial	Final-stage blade; pressure flaking apparent along arrises at one end of blade (dorsal?)	

Table A.01 cont.

FS#	Op.	Unit	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV88-012e	B	1	1; 40-80cm	Prismatic blade	Medial	Final-stage blade	LC-PC
RV88-015c	B	2	1; 15-39cm	Prismatic blade	Medial	Final-stage blade; partial fracture on dorsal surface at proximal end	LC-PC
RV88-015h	B	2	1; 15-39cm	Prismatic blade	Medial	Final-stage blade; fractured at both ends	LC-PC
RV88-016a	B	2	2; 39-75cm	Prismatic blade	Medial	Final-stage blade	LC-PC
RV88-016b	B	2	2; 39-75cm	Prismatic blade	Medial	Final-stage blade; fractures at both proximal and distal ends; one later edge fractured off	LC-PC
RV88-016f	B	2	2; 39-75cm	Prismatic blade	Medial	Final-stage blade	LC-PC
RV88-016i	B	2	2; 39-75cm	Prismatic blade	Medial	Final-stage blade	LC-PC
RV88-017a	B	2	3; 75-92cm	Prismatic blade	Medial	Final-stage blade; one lateral edge pressure flaked halfway down length of blade	EC
RV88-022a	B	2	32	Prismatic blade	Medial	Early-stage blade; irregular arrises and lateral edges; percussion flake scars on lateral surface; pressure and percussion flake scars on dorsal surface	LF
RV88-025g	B	3	1; 0-21 cm	Prismatic blade	Medial	Final-stage blade	LC-PC
RV88-026a	B	3	2; 21-52 cm	Prismatic blade	Medial	Final-stage blade; pressure flaking on ventral and dorsal sides	LC-PC
RV88-030a	B	3	6; 115-135 cm	Prismatic blade	Medial	Final-stage blade	ETF*
RV88-049i	E	1	1; 0-24 cm	Prismatic blade	Medial	Early-stage blade; irregular arrises and lateral edges; pressure flake scars on dorsal and ventral surfaces	C
RV88-050i	E	1	2; 24-46 cm	Prismatic blade	Medial	Final-stage blade	C

Table A.01 cont.

FS#	Op.	Unit	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV88-052a	E	1	5; 85-104 cm	Prismatic blade	Medial	Final-stage blade; nearing distal end	C
RV88-052b	E	1	5; 85-104 cm	Prismatic blade	Medial	Final-stage blade; highly fractured on both proximal and distal ends	C
RV88-054l	E	2	1; 20-45 cm	Prismatic blade	Medial	Final-stage blade	C
RV88-054m	E	2	1; 20-45 cm	Prismatic blade	Medial	Final-stage blade; very fractured	C
RV88-054n	E	2	1; 20-45 cm	Prismatic blade	Medial	Final-stage blade; very fractured	C
RV88-056c	E	2	3; 67-88 cm	Prismatic blade	Medial	Final-stage blade	C
RV88-064b	F	1	4; 78-106 cm	Prismatic blade	Medial	Final-stage blade	C
RV88-065a	F	1	10; 204-230 cm	Prismatic blade	Medial	Final-stage blade	C
RV88-066a	F	1	11; 230-248 cm	Prismatic blade	Medial	Final-stage blade	C
RV88-068a	F	2	2; 33-50 cm	Prismatic blade	Medial	Final-stage blade	C
RV88-006d	A		8	Prismatic blade	Medial	Final-stage blade	
RV88-007c	A		11	Prismatic blade	Medial	Final-stage blade	
RV88-008g	A		12; 229- cm	Prismatic blade	Medial	Final-stage blade	
RV88-008i	A		12; 229- cm	Prismatic blade	Medial	Final-stage blade	
RV88-009c	A		13; 253- cm	Prismatic blade	Medial	Final-stage blade	
RV88-011b	A		17; 338- cm	Prismatic blade	Medial	Final-stage blade	

Table A.01 cont.

FS#	Op.	Unit	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV88-012d	B	1	1; 40-80cm	Prismatic blade	Medial	Possible second-stage blade: irregular arrises; possible pressure flake scars on dorsal surface	LC-PC
RV88-015i	B	2	1; 15-39cm	Prismatic blade	Medial	Final-stage blade; highly fractured along lateral edges; pressure flake along dorsal arrises	LC-PC
RV88-015k	B	2	1; 15-39cm	Prismatic blade	Medial	Snapped blade fragment; very small piece	LC-PC
RV88-019b	B	2	5; 114-144 cm	Prismatic blade	Medial	Final-stage blade	EC
RV88-036b	C	1	4; 65-85 cm	Prismatic blade	Medial	Final-stage blade	
RV88-038b	D	1	2; 25-40 cm	Prismatic blade	Medial	Final-stage blade; very small; possibly near distal end	C
RV88-049a	E	1	1; 0-24 cm	Prismatic blade	Medial	Final-stage blade	C
RV88-049e	E	1	1; 0-24 cm	Prismatic blade	Medial	Final-stage blade	C
RV88-049g	E	1	1; 0-24 cm	Prismatic blade	Medial	Final-stage blade	C
RV88-049k	E	1	1; 0-24 cm	Prismatic blade	Medial	Final-stage blade; possible hinge fracture at distal end	C
RV88-050d	E	1	2; 24-46 cm	Prismatic blade	Medial	Final-stage blade; hinge fracture along one lateral edge	C
RV88-050h	E	1	2; 24-46 cm	Prismatic blade	Medial	Final-stage blade	C
RV88-050j	E	1	2; 24-46 cm	Prismatic blade	Medial	Final-stage blade	C
RV88-054b	E	2	1; 20-45 cm	Prismatic blade	Medial	Final-stage blade; possible hinge fracture at distal end	C
RV88-054c	E	2	1; 20-45 cm	Prismatic blade	Medial	Final-stage blade	C

Table A.01 cont.

FS#	Op.	Unit	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV88-054d	E	2	1; 20-45 cm	Prismatic blade	Medial	Final-stage blade	C
RV88-054f	E	2	1; 20-45 cm	Prismatic blade	Medial	Final-stage blade	C
RV88-054g	E	2	1; 20-45 cm	Prismatic blade	Medial	Final-stage blade	C
RV88-054j	E	2	1; 20-45 cm	Prismatic blade	Medial	Final-stage blade	C
RV88-055a	E	2	2; 45-67 cm	Prismatic blade	Medial	Final-stage blade; dorsal arrises get wider toward distal end	C
RV88-055c	E	2	2; 45-67 cm	Prismatic blade	Medial	Final-stage blade	C
RV88-056a	E	2	3; 67-88 cm	Prismatic blade	Medial	Final-stage blade	C
RV88-063b	F	1	2; 36.5-62 cm	Prismatic blade	Medial	Final-stage blade	C
RV88-064a	F	1	4; 78-106 cm	Prismatic blade	Medial	Final-stage blade	C
RV88-067b	F	2	1; 10-33 cm	Prismatic blade	Medial	Final-stage blade	C
RV88-068b	F	2	2; 33-50 cm	Prismatic blade	Medial	Final-stage blade	C
RV88-068d	F	2	2; 33-50 cm	Prismatic blade	Medial	Final-stage blade	C
RV88-007d	A		11	Prismatic blade	Medial	Final-stage blade	
RV88-012f	B	1	1; 40-80cm	Prismatic blade	Medial	Final-stage blade	LC-PC
RV88-015b	B	2	1; 15-39cm	Prismatic blade	Medial	Final-stage blade	LC-PC
RV88-025b	B	3	1; 0-21 cm	Prismatic blade	Medial	Final-stage blade; pressure flaking on ventral and dorsal sides	LC-PC

Table A.01 cont.

FS#	Op.	Unit	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV88-039a	D	1	3; 40-55 cm	Prismatic blade	Medial	Final-stage blade	C
RV88-007a	A		11	Prismatic blade	Medial	Final-stage blade	
RV88-009b	A		13; 253- cm	Prismatic blade	Medial	Final-stage blade	
RV88-012b	B	1	1; 40-80cm	Prismatic blade	Medial	Final-stage blade	LC-PC
Rv88-015f	B	2	1; 15-39cm	Prismatic blade	Medial	Final-stage blade	LC-PC
RV88-070b	F	2	5; 91-118 cm	Prismatic blade	Medial	Final-stage blade; snap termination on dorsal surface at proximal end	C
RV88-017c	B	2	3; 75-92cm	Prismatic blade	Proximal	Final-stage blade; slightly ground platform - few striations	EC
RV88-025e	B	3	1; 0-21 cm	Prismatic blade	Proximal	Final-stage blade; platform present - few striations as grounding	LC-PC
RV88-040a	D	1	6; 95-113 cm	Prismatic blade	Proximal	Final-stage blade; platform has minimal striae/grounding evidence	C
RV88-045a	D	2	9; 146-160 cm	Prismatic blade	Proximal	Final-stage blade; platform has minimal striae/grounding evidence	EC
RV88-065b	F	1	10; 204-230 cm	Prismatic blade	Proximal	Final-stage blade; small amount of platform present - ground	C
RV88-076b	Ent. 17			Prismatic blade	Proximal	Final-stage blade; non-ground platform; overhang removal; Object 20 with Burial 17; snap fracture on dorsal surface of distal end	EC*
RV88-008b	A		12; 229- cm	Prismatic blade	Proximal	Final-stage blade; ground platform; overhang removal; one lateral edge is very nicked up all the way to platform	
RV88-010a	A		14	Prismatic blade	Proximal	Final-stage blade; ground platform	
RV88-049o	E	1	1; 0-24 cm	Prismatic blade	Proximal	Final-stage blade; ground platform	C

Table A.01 cont.

FS#	Op.	Unit	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV88-077a	9			Prismatic blade	Proximal	Final-stage blade; platform not ground or scored; small snap fracture on distal end of ventral surface	
RV88-077b	9			Prismatic blade	Proximal	Final-stage blade; ground platform; fractured on distal end	
RV88-005a	A		6; 107-122cm	Prismatic blade	Proximal	Final-stage blade; ground platform; minimal overhang removal	
RV88-005b	A		6; 107-122cm	Prismatic blade	Proximal	Final-stage blade; pressure ridge at proximal end	
RV88-008j	A		12; 229- cm	Prismatic blade	Proximal	Final-stage blade; very, very small; ground platform	
RV88-011a	A		17; 338- cm	Prismatic blade	Proximal	Final-stage blade; platform not ground; hinge fracture present on one lateral edge	
RV88-016e	B	2	2; 39-75cm	Prismatic blade	Proximal	Final-stage blade; platform not present; small bulb on ventral surface	LC-PC
RV88-049f	E	1	1; 0-24 cm	Prismatic blade	Proximal	Final-stage blade; ground platform; pressure flaking scars on dorsal surface near proximal end	C
RV88-049l	E	1	1; 0-24 cm	Prismatic blade	Proximal	Early final-stage blade; platform only partial; small pressure flake scars on ventral and dorsal surfaces	C
RV88-050c	E	1	2; 24-46 cm	Prismatic blade	Proximal	Final-stage blade; ground platform	C
RV88-051b	E	1	3; 46-65 cm	Prismatic blade	Proximal	Final-stage blade; ground platform	C
RV88-054a	E	2	1; 20-45 cm	Prismatic blade	Proximal	Final-stage blade; ground platform	C
RV88-054h	E	2	1; 20-45 cm	Prismatic blade	Proximal	Final-stage blade; ground platform	C
RV88-055d	E	2	2; 45-67 cm	Prismatic blade	Proximal	Final-stage blade; ground platform	C

Table A.01 cont.

FS#	Op.	Unit	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV88-058a	E	2	6; 122-150 cm	Prismatic blade	Proximal	Early-stage blade; irregular arrises and lateral edge; platform nearly absent	C
RV88-063a	F	1	2; 36.5-62 cm	Prismatic blade	Proximal	Final-stage blade; platform not present; extensive pressure scarring on dorsal surface near proximal end; percussion flaking scars on ventral surface	C
RV88-027b	B	3	3; 52-73.5 cm	Prismatic blade	Proximal	Final-stage blade; ground platform	EC
RV88-059a	E	2	7; 150-172 cm	Prismatic blade	Proximal	Early final-stage blade; platform almost nearly absent; irregular lateral edges; small pressure flakes at proximal end of dorsal surface	C
RV88-061a	E	2	21; 458-461 cm	Projectile point		Blade hafted point - Large point (as per Hirth 2006:303); asymmetrical shape; extensive flaking on lateral edges and ventral surface; stemmed - parallel (11.72 mm wide)	C

Table A.02 RV88 artifact measurements

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV88-065d	1	Black	10.90	9.75	2.70	0.27	
RV88-038c	1	Gray	13.79	8.87	4.27	0.50	
RV88-059b	1	Gray	25.86	16.22	8.80	2.43	
RV88-074e	1	Gray	13.80	12.61	4.79	0.62	
RV88-016j	1	Gray	14.66	11.58	5.80	0.80	
RV88-032a	1	Gray	41.65	21.70	12.30	9.72	
RV88-069b	1	Gray	11.88	17.90	5.72	0.98	
RV88-060a	1	Clear	19.30	12.01	4.54	0.71	
RV88-006e	1	Gray	11.46	10.59	4.44	0.43	
RV88-008k	1	Gray	6.10	7.89	2.85	0.12	
RV88-018d	1	Gray	11.01	11.53	2.45	0.25	
RV88-069a	1	Gray	18.67	12.15	3.08	0.58	
RV88-003a	1	Gray	24.21	19.21	6.54	2.68	
RV88-021a	1	Gray	13.77	16.48	2.90	0.54	
RV88-023a	1	Gray	16.86	10.42	2.05	0.44	
RV88-065c	1	Gray	14.14	8.69	1.93	0.21	
RV88-073a	1	Gray	5.66	10.63	1.67	0.05	
RV88-012h	1	Gray	15.80	11.02	2.31	0.42	
RV88-007f	1	Clear	10.64	7.23	1.32	0.13	
RV88-072a	1	Clear	8.85	8.70	3.15	0.21	
RV88-007g	1	Gray	7.55	6.00	1.18	0.06	
RV88-008l	1	Gray	12.05	7.42	2.37	0.23	
RV88-012i	1	Gray	14.40	11.34	2.66	0.40	
RV88-012j	1	Gray	14.84	6.95	3.21	0.31	
RV88-012k	1	Gray	10.29	8.19	2.89	0.21	
RV88-012l	1	Gray	16.06	3.65	2.83	0.14	
RV88-013i	1	Gray	16.60	11.46	3.85	0.60	
RV88-027c	1	Gray	18.36	12.53	5.11	0.64	
RV88-035a	1	Gray	24.58	19.21	5.91	2.05	
RV88-053a	1	Gray	17.76	10.57	4.64	0.80	
RV88-068e	1	Gray	14.01	5.90	2.16	0.13	
RV88-074a	1	Gray	17.55	17.63	2.92	0.59	
RV88-074b	1	Gray	18.42	6.12	2.69	0.24	
RV88-014a	1	Gray	21.16	22.56	7.00	2.07	
RV88-015j	1	Gray	3.61	11.39	3.11	0.06	
RV88-033a	1	Gray	11.31	18.57	3.79	0.47	
RV88-034a	1	Gray	11.56	9.27	2.42	0.26	
RV88-049q	1	Gray	10.44	5.85	1.93	0.08	
RV88-054o	1	Gray	8.15	10.75	1.70	0.12	

Table A.02 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV88-057a	1	Gray	9.44	14.05	1.82	0.25	
RV88-071a	1	Gray	9.64	5.54	2.13	0.08	
RV88-071b	1	Gray	7.86	3.10	1.79	0.04	
RV88-071c	1	Gray	6.54	4.19	1.07	0.03	
RV88-074c	1	Gray	12.38	7.74	3.10	0.22	
RV88-074d	1	Gray	11.51	8.09	2.29	0.17	
RV88-008m	1	Gray	17.49	10.20	2.81	0.34	
RV88-024a	1	Gray	5.91	11.39	2.14	0.11	
			Avg¹³	Avg	Avg		
			13.15	10.41	2.97		
RV88-001a	1	Green	25.17	9.81	2.03	0.67	7.51343284
RV88-001b	1	Green	27.83	8.76	2.26	0.66	8.43333333
RV88-013a	1	Green	29.27	10.74	2.16	0.91	6.43296703
RV88-013e	1	Green	16.32	7.26	1.78	0.26	12.5538462
RV88-015a	1	Green	22.02	10.07	2.28	0.71	6.2028169
RV88-015d	1	Green	16.35	9.05	1.88	0.38	8.60526316
RV88-020a	1	Green	15.16	9.57	1.80	0.36	8.42222222
RV88-029a	1	Green	13.97	7.02	1.91	0.24	11.6416667
RV88-031a	1	Green	24.41	8.23	2.23	0.63	7.74920635
RV88-043b	1	Green	17.40	10.18	2.44	0.57	6.10526316
RV88-047a	1	Green	28.83	9.52	2.65	0.82	7.03170732
RV88-048a	1	Green	37.77	13.86	3.86	2.58	2.92790698
RV88-048b	1	Green	12.37	8.39	1.83	0.15	16.49333333
RV88-050e	1	Green	20.72	8.81	1.94	0.48	8.63333333
RV88-056b	1	Green	16.05	9.91	1.76	0.29	11.0689655
RV88-075a	1	Green	28.41	9.00	2.71	0.68	8.35588235
RV88-075b	1	Green	26.08	8.60	2.51	0.66	7.9030303
RV88-075d	1	Green	23.05	9.86	1.80	0.36	12.8055556
RV88-075f	1	Green	20.07	10.59	2.05	0.53	7.57358491
RV88-075h	1	Green	18.07	11.04	1.65	0.31	11.6580645
RV88-037a	1	Black	20.97	17.59	4.25	1.95	2.15076923
RV88-006c	1	Gray	13.08	6.80	1.91	0.24	10.9
RV88-008c	1	Gray	13.96	8.79	1.48	0.26	10.7384615
RV88-008d	1	Gray	13.69	6.86	1.61	0.20	13.69
RV88-012a	1	Gray	20.84	10.67	2.28	0.66	6.31515152
RV88-013b	1	Gray	21.83	9.86	2.80	0.69	6.32753623
RV88-016h	1	Gray	13.72	10.22	3.67	0.51	5.38039216
RV88-017b	1	Gray	21.75	16.97	2.43	1.25	3.48
RV88-028b	1	Gray	19.47	11.20	2.51	0.73	5.33424658

¹³ Averages for flakes and flake fragments only, not chunks, cores, or bifaces.

Table A.02 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV88-068c	1	Gray	16.74	9.69	2.82	0.57	5.87368421
RV88-007e	1	Gray	11.78	7.00	1.31	0.11	21.4181818
RV88-010b	1	Gray	32.36	6.76	2.16	0.67	9.65970149
RV88-011c	1	Gray	25.51	8.18	2.04	0.56	9.11071429
RV88-012c	1	Gray	21.82	8.05	2.35	0.47	9.28510638
RV88-012g	1	Gray	14.14	7.29	2.70	0.33	8.56969697
RV88-015e	1	Gray	18.69	11.64	3.40	0.79	4.73164557
RV88-025a	1	Gray	23.79	9.83	2.29	0.63	7.55238095
RV88-025d	1	Gray	20.69	9.88	3.04	0.60	6.89666667
RV88-036a	1	Gray	25.83	8.78	2.63	0.80	6.4575
RV88-049c	1	Gray	21.27	7.13	2.82	0.53	8.02641509
RV88-049d	1	Gray	20.68	8.48	2.41	0.47	8.8
RV88-049m	1	Gray	13.98	11.37	2.39	0.47	5.94893617
RV88-049p	1	Gray	11.00	8.69	3.22	0.28	7.85714286
RV88-050a	1	Gray	32.14	7.96	2.85	0.70	9.18285714
RV88-050b	1	Gray	22.96	7.78	1.52	0.28	16.4
RV88-050f	1	Gray	21.43	6.89	1.75	0.31	13.8258065
RV88-050g	1	Gray	17.12	9.36	2.93	0.60	5.70666667
RV88-051a	1	Gray	23.65	9.71	2.07	0.62	7.62903226
RV88-051c	1	Gray	20.28	7.46	2.49	0.45	9.01333333
RV88-054e	1	Gray	24.62	7.16	2.72	0.39	12.625641
RV88-054i	1	Gray	20.46	14.32	3.67	0.81	5.05185185
RV88-054k	1	Gray	9.41	10.36	2.62	0.23	8.1826087
RV88-055b	1	Gray	17.43	7.25	2.42	0.38	9.17368421
RV88-067a	1	Gray	15.37	11.71	2.56	0.49	6.27346939
RV88-070a	1	Gray	28.44	6.37	1.87	0.30	18.96
RV88-004a	1	Gray	31.41	7.16	1.79	0.52	12.0807692
RV88-006a	1	Gray	19.36	8.83	3.01	0.68	5.69411765
RV88-006b	1	Gray	16.32	8.17	1.98	0.33	9.89090909
RV88-008h	1	Gray	13.40	6.97	1.74	0.22	12.1818182
RV88-013c	1	Gray	19.76	9.59	2.29	0.61	6.47868852
RV88-027a	1	Gray	25.54	11.41	2.46	0.84	6.08095238
RV88-042a	1	Gray	10.00	8.60	1.49	0.19	10.5263158
RV88-007b	1	Green	14.52	8.21	2.04	0.29	10.0137931
RV88-008e	1	Green	13.25	8.11	1.58	0.22	12.0454545
RV88-009e	1	Green	19.46	9.06	1.73	0.45	8.64888889
RV88-009h	1	Green	12.66	9.44	2.28	0.27	9.37777778
RV88-013d	1	Green	15.21	9.35	1.83	0.38	8.00526316
RV88-013f	1	Green	8.38	8.47	1.87	0.18	9.31111111
RV88-013g	1	Green	16.31	9.40	2.82	0.38	8.58421053
RV88-015g	1	Green	12.24	7.33	2.12	0.20	12.24

Table A.02 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV88-016c	1	Green	19.90	8.94	2.02	0.49	8.12244898
RV88-016d	1	Green	17.76	12.77	2.40	0.75	4.736
RV88-016g	1	Green	13.31	8.44	1.45	0.27	9.85925926
RV88-019a	1	Green	18.09	11.88	2.72	0.77	4.6987013
RV88-019c	1	Green	12.14	8.90	1.72	0.25	9.712
RV88-025c	1	Green	17.19	8.59	1.99	0.38	9.04736842
RV88-025f	1	Green	10.60	10.32	2.15	0.32	6.625
RV88-025h	1	Green	8.26	9.55	2.17	0.19	8.69473684
RV88-028a	1	Green	23.71	8.84	2.65	0.65	7.29538462
RV88-028c	1	Green	14.60	9.76	2.01	0.39	7.48717949
RV88-028d	1	Green	11.97	6.91	2.10	0.22	10.8818182
RV88-030b	1	Green	16.20	10.75	2.50	0.56	5.78571429
RV88-030c	1	Green	10.08	9.77	2.21	0.24	8.4
RV88-030d	1	Green	10.46	7.31	2.05	0.18	11.6222222
RV88-041a	1	Green	17.99	11.46	1.97	0.56	6.425
RV88-043a	1	Green	22.49	8.91	2.15	0.58	7.75517241
RV88-044a	1	Green	26.77	10.96	1.99	0.79	6.77721519
RV88-046a	1	Green	26.33	8.77	2.43	0.55	9.57454545
RV88-049b	1	Green	21.78	8.32	2.10	0.59	7.38305085
RV88-049h	1	Green	17.58	8.86	2.09	0.39	9.01538462
RV88-049j	1	Green	13.29	9.50	1.51	0.26	10.2230769
RV88-049n	1	Green	10.14	8.73	2.41	0.27	7.51111111
RV88-066b	1	Green	10.83	7.78	2.13	0.27	8.02222222
RV88-075c	1	Green	23.12	11.01	2.18	0.81	5.70864198
RV88-075e	1	Green	22.30	7.78	1.35	0.37	12.0540541
RV88-075i	1	Green	16.60	10.79	2.70	0.60	5.53333333
RV88-075j	1	Green	13.81	7.94	1.76	0.22	12.5545455
RV88-075k	1	Green	11.91	10.26	1.77	0.28	8.50714286
RV88-075l	1	Green	11.44	12.80	1.98	0.40	5.72
RV88-076a	1	Green	22.78	8.42	2.23	0.58	7.85517241
RV88-067c	1	Clear	9.09	8.76	2.04	0.18	10.1
RV88-013h	1	Black	15.20	8.21	1.58	0.25	12.16
RV88-038a	1	Black	21.39	11.47	2.30	0.88	4.86136364
RV88-062a	1	Black	19.95	7.48	2.08	0.38	10.5
RV88-075g	1	Black	18.65	7.34	2.27	0.40	9.325
RV88-002a	1	Gray	14.28	11.91	2.76	0.64	4.4625
RV88-005c	1	Gray	12.66	13.03	3.20	0.64	3.95625
RV88-008a	1	Gray	20.39	7.64	2.07	0.41	9.94634146
RV88-008f	1	Gray	14.02	7.73	2.07	0.30	9.34666667
RV88-009a	1	Gray	22.33	6.63	2.00	0.34	13.1352941
RV88-009d	1	Gray	20.72	7.49	1.85	0.36	11.5111111

Table A.02 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV88-009f	1	Gray	14.70	7.24	1.50	0.20	14.7
RV88-009g	1	Gray	11.71	9.03	2.47	0.30	7.80666667
RV88-012e	1	Gray	14.11	5.64	1.86	0.25	11.288
RV88-015c	1	Gray	20.34	9.84	3.44	0.98	4.15102041
RV88-015h	1	Gray	5.90	14.11	3.13	0.29	4.06896552
RV88-016a	1	Gray	27.49	13.58	3.59	1.66	3.31204819
RV88-016b	1	Gray	26.89	14.45	3.20	1.56	3.4474359
RV88-016f	1	Gray	16.83	8.89	1.42	0.24	14.025
RV88-016i	1	Gray	4.96	10.68	3.08	0.19	5.22105263
RV88-017a	1	Gray	37.20	11.77	2.55	1.39	5.35251799
RV88-022a	1	Gray	37.27	17.24	4.91	3.14	2.37388535
RV88-025g	1	Gray	10.46	9.34	1.66	0.22	9.50909091
RV88-026a	1	Gray	14.84	7.45	2.18	0.29	10.2344828
RV88-030a	1	Gray	27.75	11.08	2.60	1.18	4.70338983
RV88-049i	1	Gray	13.57	17.43	4.90	1.28	2.1203125
RV88-050i	1	Gray	14.36	8.26	2.28	0.35	8.20571429
RV88-052a	1	Gray	17.14	9.89	2.64	0.62	5.52903226
RV88-052b	1	Gray	9.90	15.52	3.70	0.54	3.66666667
RV88-054l	1	Gray	7.97	7.08	1.73	0.09	17.71111111
RV88-054m	1	Gray	8.77	8.50	2.03	0.15	11.69333333
RV88-054n	1	Gray	11.86	6.92	2.75	0.17	13.9529412
RV88-056c	1	Gray	13.85	16.89	3.31	1.13	2.45132743
RV88-064b	1	Gray	24.15	10.56	3.03	1.02	4.73529412
RV88-065a	1	Gray	12.34	12.31	2.27	0.43	5.73953488
RV88-066a	1	Gray	18.36	9.96	2.08	0.52	7.06153846
RV88-068a	1	Gray	27.49	17.39	3.51	2.13	2.58122066
RV88-006d	1	Gray	13.56	9.63	2.16	0.36	7.53333333
RV88-007c	1	Gray	15.16	7.72	2.06	0.28	10.8285714
RV88-008g	1	Gray	15.71	10.51	2.60	0.55	5.71272727
RV88-008i	1	Gray	13.08	11.80	1.81	0.41	6.3804878
RV88-009c	1	Gray	26.02	10.59	1.95	0.66	7.88484848
RV88-011b	1	Gray	34.17	11.79	2.35	1.48	4.61756757
RV88-012d	1	Gray	20.80	10.74	1.96	0.47	8.85106383
RV88-015i	1	Gray	10.95	8.44	2.86	0.31	7.06451613
RV88-015k	1	Gray	5.10	11.76	2.93	0.11	9.27272727
RV88-019b	1	Gray	14.76	8.12	1.25	0.21	14.0571429
RV88-036b	1	Gray	14.73	9.61	2.45	0.48	6.1375
RV88-038b	1	Gray	11.27	5.07	2.23	0.16	14.0875
RV88-049a	1	Gray	26.38	7.13	1.73	0.47	11.2255319
RV88-049e	1	Gray	17.41	8.74	1.86	0.36	9.67222222
RV88-049g	1	Gray	18.08	10.36	1.75	0.44	8.21818182

Table A.02 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV88-049k	1	Gray	14.71	8.08	1.60	0.24	12.25833333
RV88-050d	1	Gray	20.24	8.88	2.09	0.44	9.2
RV88-050h	1	Gray	16.77	10.43	2.49	0.50	6.708
RV88-050j	1	Gray	14.20	10.12	2.25	0.33	8.60606061
RV88-054b	1	Gray	22.83	10.38	2.33	0.68	6.71470588
RV88-054c	1	Gray	20.97	7.92	2.15	0.48	8.7375
RV88-054d	1	Gray	22.70	10.81	2.68	0.88	5.15909091
RV88-054f	1	Gray	19.89	8.00	1.89	0.46	8.64782609
RV88-054g	1	Gray	20.32	6.70	1.69	0.28	14.5142857
RV88-054j	1	Gray	11.21	7.04	1.48	0.14	16.0142857
RV88-055a	1	Gray	21.94	12.17	2.51	0.75	5.85066667
RV88-055c	1	Gray	15.39	10.22	1.63	0.33	9.32727273
RV88-056a	1	Gray	18.18	8.35	2.75	0.49	7.42040816
RV88-063b	1	Gray	15.21	10.01	1.78	0.33	9.21818182
RV88-064a	1	Gray	29.64	9.44	2.48	1.12	5.29285714
RV88-067b	1	Gray	12.88	8.59	2.14	0.30	8.58666667
RV88-068b	1	Gray	19.91	7.47	1.32	0.26	15.3153846
RV88-068d	1	Gray	13.96	8.06	2.26	0.29	9.62758621
RV88-007d	1	Gray	10.46	7.79	2.15	0.22	9.50909091
RV88-012f	1	Gray	14.04	10.10	2.55	0.47	5.97446809
RV88-015b	1	Gray	22.06	8.76	2.11	0.48	9.19166667
RV88-025b	1	Gray	19.76	8.51	2.23	0.45	8.78222222
RV88-039a	1	Gray	20.63	8.30	2.04	0.42	9.82380952
RV88-007a	1	Gray	16.18	8.52	2.05	0.33	9.80606061
RV88-009b	1	Gray	37.71	8.20	2.71	1.13	6.67433628
RV88-012b	1	Gray	18.54	8.16	2.24	0.47	7.8893617
Rv88-015f	1	Gray	12.51	15.38	3.00	0.69	3.62608696
RV88-070b	1	Gray	15.98	8.49	1.85	0.30	10.65333333
RV88-017c	1	Green	18.74	8.10	1.94	0.36	10.41111111
RV88-025e	1	Green	12.06	9.39	2.95	0.32	7.5375
RV88-040a	1	Green	22.07	9.72	2.73	0.61	7.23606557
RV88-045a	1	Green	13.63	9.43	2.42	0.30	9.08666667
RV88-065b	1	Green	9.65	8.50	2.36	0.24	8.04166667
RV88-076b	1	Green	37.20	12.44	2.54	1.50	4.96
RV88-008b	1	Gray	13.30	9.18	2.10	0.34	7.82352941
RV88-010a	1	Gray	17.83	9.40	2.59	0.46	7.75217391
RV88-049o	1	Gray	10.51	10.31	2.89	0.29	7.24827586
RV88-077a	1	Gray	53.77	13.14	2.60	2.30	4.67565217
RV88-077b	1	Gray	18.43	12.45	2.41	0.87	4.23678161
RV88-005a	1	Gray	21.62	9.01	1.92	0.47	9.2
RV88-005b	2	Gray	36.76	8.85	2.72	1.20	6.12666667

Table A.02 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV88-008j	1	Gray	10.21	4.56	1.62	0.10	20.42
RV88-011a	1	Gray	38.46	9.01	2.24	1.19	6.46386555
RV88-016e	1	Gray	17.37	8.51	1.87	0.32	10.85625
RV88-049f	1	Gray	18.66	9.13	2.10	0.42	8.88571429
RV88-049l	1	Gray	14.59	9.18	2.76	0.33	8.84242424
RV88-050c	1	Gray	23.05	8.08	2.79	0.51	9.03921569
RV88-051b	1	Gray	24.08	6.44	1.86	0.33	14.5939394
RV88-054a	1	Gray	24.53	7.53	2.03	0.43	11.4093023
RV88-054h	1	Gray	18.38	7.09	1.68	0.26	14.1384615
RV88-055d	1	Gray	9.77	11.02	2.00	0.31	6.30322581
RV88-058a	1	Gray	18.50	13.55	2.63	0.64	5.78125
RV88-063a	1	Gray	15.47	10.79	3.30	0.54	5.72962963
RV88-027b	1	Gray	22.63	9.24	2.60	0.65	6.96307692
RV88-059a	1	Gray	15.71	15.66	1.72	0.56	5.61071429
RV88-061a	1	Black	45.36	15.46	4.44	3.42	
TOTALS:	256		Avg 18.57	Avg 9.56	Avg 2.31	Sum 147.69	Average 8.52357959 s.d. = 3.32765974

Table A.03 Río Viejo 1994 & 1995 (RV94/95) artifacts

3 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV95-008a	C	5	Chunk		Scarring over entire body of chunk, but no distinct platform or bulb	TF-C
RV94-006d	C	3; 0.2-0.3m	Flake		Small pressure flake	LC
RV94-009d	C	2; 0.1-0.2m	Flake		Small platform; bulb on ventral surface	LC
RV94-003a	B	3	Flake		Core preparation flake; arrises around approx. 1/3 of perimeter; several flake scars on both proximal and distal surfaces	LC
RV94-002a	A	4/5; 32-55 cm	Flake		Partial platform; bulb on ventral surface; pressure flake scars on dorsal surface	LC
RV95-002b	B	3; 75-93 cm	Flake		Percussion flake for bifacial thinning?; small platform; bulb present	LC
RV95-014a	F	2; 40-60 cm	Flake		Possibly part of prismatic blade - possible arrises on dorsal surface; bulb ripples on ventral surface; other flake scarring on dorsal surface	TF
RV95-016a	F	5; 80-100 cm	Flake		Possibly part of prismatic blade; one arrise on dorsal surface; large bulb on ventral surface; no platform	TF
RV95-017a	F	8; 114-134 cm	Flake		Small percussion flake; platform and bulb present	TF
RV95-023a	G	23; 533-553 cm	Flake		Platform and bulb on ventral surface present	TF
RV95-025a	F	11; 165 cm - mixed	Flake		Percussion flake; small platform, bulb on ventral surface	TF
RV95-025b	F	11; 165 cm - mixed	Flake		Percussion flake; small platform, bulb on ventral surface	TF
RV95-004b	B	6; 135-157 cm	Flake		Percussion flake; small platform; dorsal surface has a lot of previous scars	LC
RV95-004d	B	6; 135-157 cm	Flake		Percussion flake; platform nearly gone; pressure flake scars on dorsal surface	LC

Table A.03 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV95-020c	G	5; 145-205 cm	Flake		May have been removed to get rid of a hinge fracture	TF
RV94-005j	C	1; 0-0.1m	Flake fragment			LC
RV94-009i	C	2; 0.1-0.2m	Flake fragment			LC
RV94-005n	C	1; 0-0.1m	Flake fragment			LC
RV94-005l	C	1; 0-0.1m	Flake fragment			LC
RV94-005q	C	1; 0-0.1m	Flake fragment			LC
RV94-005s	C	1; 0-0.1m	Flake fragment			LC
RV94-007c	C	1; 0-0.1m	Flake fragment			LC
RV94-008d	C	1; 0-0.1m	Flake fragment			LC
RV94-008e	C	1; 0-0.1m	Flake fragment			LC
RV94-008f	C	1; 0-0.1m	Flake fragment			LC
RV94-009k	C	2; 0.1-0.2m	Flake fragment			LC
RV94-005e	C	1; 0-0.1m	Flake fragment			LC
RV94-005f	C	1; 0-0.1m	Flake fragment			LC
RV94-005h	C	1; 0-0.1m	Flake fragment			LC
RV94-005k	C	1; 0-0.1m	Flake fragment			LC

Table A.03 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV94-005m	C	1; 0-0.1m	Flake fragment			LC
RV94-005o	C	1; 0-0.1m	Flake fragment			LC
RV94-005p	C	1; 0-0.1m	Flake fragment			LC
RV94-005r	C	1; 0-0.1m	Flake fragment			LC
RV94-005u	C	1; 0-0.1m	Flake fragment			LC
RV94-007a	C	1; 0-0.1m	Flake fragment			LC
RV94-007b	C	1; 0-0.1m	Flake fragment			LC
RV94-007d	C	1; 0-0.1m	Flake fragment			LC
RV94-007e	C	1; 0-0.1m	Flake fragment			LC
RV94-008c	C	1; 0-0.1m	Flake fragment			LC
RV94-009e	C	2; 0.1-0.2m	Flake fragment			LC
RV94-009f	C	2; 0.1-0.2m	Flake fragment			LC
RV94-009g	C	2; 0.1-0.2m	Flake fragment			LC
RV94-009h	C	2; 0.1-0.2m	Flake fragment			LC
RV94-009l	C	2; 0.1-0.2m	Flake fragment			LC
RV94-009m	C	2; 0.1-0.2m	Flake fragment			LC

Table A.03 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV95-021a	G	6; 205-294 cm	Flake fragment		No platform; partial bulb on ventral surface	TF
RV94-005g	C	1; 0-0.1m	Flake fragment			LC
RV94-005t	C	1; 0-0.1m	Flake fragment			LC
RV95-004c	B	6; 135-157 cm	Flake fragment		No platform or bulb; flake scars on dorsal and ventral surfaces	LC
RV95-015a	F	4; 60-80 cm	Flake fragment		Small pressure flake on dorsal surface; rounded surface - slighting twisting around; no bulb or platform	TF
RV95-017b	F	8; 114-134 cm	Flake fragment		No bulb or platform	TF
RV94-005i	C	1; 0-0.1m	Flake fragment			LC
RV94-009j	C	2; 0.1-0.2m	Flake fragment			LC
RV95-019c	G	3; 37-125 cm	Prismatic blade	Distal	Final-stage blade; hinge fracture at distal end	LC
RV94-001a	A	2; 15-25cm	Prismatic blade	Distal	Final-stage blade; hinge fracture at distal end	LC
RV95-022a	G	20; 482-502 cm	Prismatic blade	Distal	Final-stage blade; fractured length-wise down blade; hinge fracture at distal end	TF
RV95-004a	B	6; 135-157 cm	Prismatic blade	Distal	Final-stage blade; hinge fracture at distal end; snapped off dorsal arrise on proximal end	LC
RV94-013a	D	8; 1.06-1.2 m	Prismatic blade	Distal	Final-stage blade; extensive lateral edge damage; hinge fracture at distal end	LC
RV94-005c	C	1; 0-0.1m	Prismatic blade	Medial	Final-stage blade	LC
RV94-005d	C	1; 0-0.1m	Prismatic blade	Medial	Final-stage blade	LC
RV94-006b	C	3; 0.2-0.3m	Prismatic blade	Medial	Final-stage blade; snap off tab on proximal end	LC

Table A.03 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV94-013c	D	8; 1.06-1.2 m	Prismatic blade	Medial	Final-stage blade; snap fracture on dorsal surface at distal end	LC
RV94-014c	D	9; 1.2-1.47 m	Prismatic blade	Medial	Final-stage blade	LC
RV95-001a	B	1; 0-52 cm	Prismatic blade	Medial	Final-stage blade	PC
RV95-013a	F	2; 20-40 cm	Prismatic blade	Medial	Final-stage blade; tab on proximal end from snapping sections off	TF
RV95-020b	G	5; 145-205 cm	Prismatic blade	Medial	Final-stage blade	TF
RV94-005b	C	1; 0-0.1m	Prismatic blade	Medial	Final-stage blade	LC
RV94-006a	C	3; 0.2-0.3m	Prismatic blade	Medial	Final-stage blade	LC
RV94-008b	C	1; 0-0.1m	Prismatic blade	Medial	Final-stage blade	LC
RV94-014b	D	9; 1.2-1.47 m	Prismatic blade	Medial	Final-stage blade; possible butterfly flake still attached after snapping blade (see Clark and Bryant 1997)	LC
RV95-002a	B	3; 75-93 cm	Prismatic blade	Medial	Final-stage blade	LC
RV95-007a	C	3; 169-189 cm	Prismatic blade	Medial	Final-stage blade; possibly due to rejuvenating a core - partial bulb of percussion on ventral surface at proximal end; slight outward curve at distal end	TF-C
RV95-024a	I		Prismatic blade	Medial	Final-stage blade	TF-C
RV94-005a	C	1; 0-0.1m	Prismatic blade	Medial	Final-stage blade; snapped off on distal end	LC
RV94-006c	C	3; 0.2-0.3m	Prismatic blade	Medial	Final-stage blade; very fractured fragment - only mid-section (around dorsal arrises) of blade	LC

Table A.03 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV94-010c	D	3; 0.57-0.75 m	Prismatic blade	Medial	Final-stage blade; snap indications at both proximal and distal ends	LC
RV94-010f	D	3; 0.57-0.75 m	Prismatic blade	Medial	Final-stage blade	LC
RV94-013d	D	8; 1.06-1.2 m	Prismatic blade	Medial	Final-stage blade	LC
RV94-014a	D	9; 1.2-1.47 m	Prismatic blade	Medial	Final-stage blade; sliver of material fractures off a blade length-wise	LC
RV95-003a	B	5; 115-135 cm	Prismatic blade	Medial	Final-stage blade; tab on proximal end from snapping blades off	LC
RV95-006a	C	1; 0-38 cm	Prismatic blade	Medial	Final-stage blade; proximal and distal ends fractured off	LC
RV95-011a	E	3; 40-60 cm	Prismatic blade	Medial	Final-stage blade	LC
RV95-019a	G	3; 37-125 cm	Prismatic blade	Medial	Final-stage blade; outré passé curving; gets much wider at distal end	LC
RV95-019b	G	3; 37-125 cm	Prismatic blade	Medial	Final-stage blade	LC
RV95-020a	G	5; 145-205 cm	Prismatic blade	Medial	Final-stage blade; snapped off - tab on distal end on ventral surface, also seen at proximal end of ventral surface	LC
RV95-024b	I		Prismatic blade	Medial	Final-stage blade	TF-C
RV94-004a	B	4	Prismatic blade	Medial	Final-stage blade	LC
RV94-009b	C	2; 0.1-0.2m	Prismatic blade	Medial	Final-stage blade	LC
RV94-009c	C	2; 0.1-0.2m	Prismatic blade	Medial	Final-stage blade	LC
RV94-011b	D	4; 0.75-0.93 m	Prismatic blade	Medial	Final-stage blade	LC
RV94-012c	D	6; 0.93-1.06 m	Prismatic blade	Medial	Final-stage blade	LC

Table A.03 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV95-018a	G	2; 14-37 cm	Prismatic blade	Medial	Final-stage blade; fractured length-wise = width not an accurate measurement of the total blade with, probably only 1/2 width	LC
RV95-019d	G	3; 37-125 cm	Prismatic blade	Medial	Final-stage blade	LC
RV94-010e	D	3; 0.57-0.75 m	Prismatic blade	Medial	Final-stage blade; one entire lateral edge fractured off	LC
RV94-010b	D	3; 0.57-0.75 m	Prismatic blade	Medial	Final-stage blade; snap scar on dorsal surface at distal end	LC
RV94-012a	D	6; 0.93-1.06 m	Prismatic blade	Medial	Final-stage blade; hinge fracture on ventral surface at proximal end; several pressure flakes removed along lateral edges - use?; possibly near distal end - slight curve left; possible hinge fracture on dorsal surface at distal end	LC
RV94-009a	C	2; 0.1-0.2m	Prismatic blade	Medial	Final-stage blade	LC
RV94-011a	D	4; 0.75-0.93 m	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface; possible hinge fracture at distal end	LC
RV94-012b	D	6; 0.93-1.06 m	Prismatic blade	Proximal	Final-stage blade; platform not ground	LC
RV94-013b	D	8; 1.06-1.2 m	Prismatic blade	Proximal	Final-stage blade; platform not ground - possibly scored	LC
RV95-005a	B	7; 157-180 cm	Prismatic blade	Proximal	Early final-stage blade; small platform, nearly gone; additional pressure flake scars on dorsal surface	TF-EC
RV95-010a	D	4; 207-227 cm	Prismatic blade	Proximal	Final-stage blade; extensive edge damage on both lateral edges; platform not ground	LTF
RV94-008a	C	1; 0-0.1m	Prismatic blade	Proximal	Final-stage blade; ground platform	LC
RV94-010a	D	3; 0.57-0.75 m	Prismatic blade	Proximal	Final-stage blade; ground platform; snap tab on distal end of lateral surface	LC

Table A.03 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV94-013e	D	8; 1.06-1.2 m	Prismatic blade	Proximal	Final-stage blade; platform not ground, but possibly scored	LC
RV95-009a	C	6; 229-249 cm	Prismatic blade	Proximal	Crushed platform; asymmetrical proximal end	TF-C
RV94-010d	D	3; 0.57-0.75 m	Prismatic blade	Proximal	Final-stage blade; ground platform; hinge fracture scar on dorsal arrises	LC
RV95-012a	E	4; 60-80 cm	Prismatic blade	Proximal	Final-stage blade; platform not ground	LC

Table A.04 RV94/95 artifact measurements

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV95-008a	1	Gray	17.51	12.27	7.70	1.51	
RV94-006d	1	Clear	5.68	4.96	0.82	<.01	
RV94-009d	1	Clear	14.07	8.47	1.86	0.16	
RV94-003a	1	Gray	15.30	24.95	36.67	12.64	
RV94-002a	1	Gray	12.80	9.01	2.15	0.23	
RV95-002b	1	Gray	27.61	23.57	3.84	1.76	
RV95-014a	1	Gray	16.73	11.37	1.90	0.39	
RV95-016a	1	Gray	10.18	9.76	3.84	0.23	
RV95-017a	1	Gray	9.98	7.40	2.49	0.18	
RV95-023a	1	Gray	9.10	9.51	2.22	0.19	
RV95-025a	1	Gray	8.98	7.23	1.99	0.12	
RV95-025b	1	Gray	7.02	11.65	1.91	0.11	
RV95-004b	1	Gray	20.87	26.62	5.09	2.21	
RV95-004d	1	Gray	10.36	15.20	1.73	0.28	
RV95-020c	1	Green	6.65	6.15	1.31	0.03	
RV94-005j	1	Black	10.23	5.33	1.66	0.06	
RV94-009i	1	Black	7.18	3.80	1.88	0.04	
RV94-005n	1	Black	5.30	4.53	0.89	<.01	
RV94-005l	1	Clear	11.04	6.75	2.15	0.16	
RV94-005q	1	Clear	7.16	6.58	1.19	0.04	
RV94-005s	1	Clear	5.59	4.80	2.18	0.05	
RV94-007c	1	Clear	10.06	4.45	1.72	0.06	
RV94-008d	1	Clear	13.38	7.61	1.85	0.16	
RV94-008e	1	Clear	12.97	9.32	5.20	0.42	
RV94-008f	1	Clear	6.66	3.56	1.22	0.04	
RV94-009k	1	Clear	6.17	5.67	1.37	0.04	
RV94-005e	1	Gray	10.10	7.92	3.98	0.16	
RV94-005f	1	Gray	12.66	6.75	1.68	0.16	
RV94-005h	1	Gray	9.30	5.85	2.09	0.13	
RV94-005k	1	Gray	7.72	4.56	1.95	0.04	
RV94-005m	1	Gray	9.60	6.52	2.01	0.15	
RV94-005o	1	Gray	7.25	4.80	1.31	0.06	
RV94-005p	1	Gray	8.65	7.37	1.55	0.10	
RV94-005r	1	Gray	5.90	4.65	0.68	<.01	
RV94-005u	1	Gray	6.23	5.36	2.67	0.04	
RV94-007a	1	Gray	11.90	5.33	2.19	0.11	
RV94-007b	1	Gray	7.53	6.79	1.13	0.04	
RV94-007d	1	Gray	8.84	5.49	2.89	0.13	

Table A.04 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV94-007e	1	Gray	7.01	2.93	1.32	0.02	
RV94-008c	1	Gray	12.40	11.20	2.50	0.30	
RV94-009e	1	Gray	7.30	7.41	1.33	0.08	
RV94-009f	1	Gray	6.86	5.07	1.19	0.04	
RV94-009g	1	Gray	5.68	6.01	2.09	0.06	
RV94-009h	1	Gray	6.69	6.20	0.80	0.02	
RV94-009l	1	Gray	5.74	5.41	0.93	0.02	
RV94-009m	1	Gray	4.89	3.98	1.13	0.02	
RV95-021a	1	Gray	7.84	3.38	1.85	0.04	
RV94-005g	1	Gray	10.80	3.85	2.06	0.06	
RV94-005t	1	Gray	5.54	5.08	0.48	<.01	
RV95-004c	1	Gray	16.86	14.14	2.97	0.51	
RV95-015a	1	Gray	13.59	6.54	1.73	0.20	
RV95-017b	1	Gray	7.02	11.15	2.72	0.18	
RV94-005i	1	Green	9.59	8.67	2.83	0.24	
RV94-009j	1	Green	9.41	4.40	1.39	0.03	
			Avg	Avg	Avg		
			9.70	7.83	2.65		
RV95-019c	1	Green	9.89	8.01	1.89	0.20	9.89
RV94-001a	1	Black	31.39	10.16	2.48	1.10	5.70727273
RV95-022a	1	Gray	27.50	10.50	3.14	1.06	5.18867925
RV95-004a	1	Gray	22.06	7.57	1.90	0.43	10.2604651
RV94-013a	1	Gray	30.15	9.73	2.62	1.08	5.58333333
RV94-005c	1	Green	9.97	4.90	1.19	0.05	39.88
RV94-005d	1	Green	4.04	7.88	1.73	0.05	16.16
RV94-006b	1	Green	14.43	7.48	1.99	0.26	11.1
RV94-013c	1	Green	18.96	10.88	3.18	0.71	5.34084507
RV94-014c	1	Green	14.71	7.05	1.79	0.23	12.7913043
RV95-001a	1	Green	15.92	8.23	2.53	0.43	7.40465116
RV95-013a	1	Green	11.33	7.80	1.83	0.19	11.9263158
RV95-020b	1	Green	11.51	8.03	2.28	0.26	8.85384615
RV94-005b	1	Clear	8.77	9.48	2.30	0.21	8.35238095
RV94-006a	1	Clear	15.78	8.09	2.16	0.41	7.69756098
RV94-008b	1	Clear	6.78	9.53	1.85	0.16	8.475
RV94-014b	1	Black	20.41	10.13	2.77	0.76	5.37105263
RV95-002a	1	Black	18.97	8.39	2.54	0.52	7.29615385
RV95-007a	1	Black	23.66	11.11	3.88	1.34	3.53134328
RV95-024a	1	Black	15.42	10.52	2.66	0.54	5.71111111
RV94-005a	1	Gray	14.55	16.78	3.87	0.81	3.59259259
RV94-006c	1	Gray	10.98	3.75	2.17	0.07	31.3714286

Table A.04 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV94-010c	1	Gray	20.12	17.47	3.72	1.68	2.3952381
RV94-010f	1	Gray	7.46	9.72	3.06	0.28	5.32857143
RV94-013d	1	Gray	18.36	15.38	2.44	0.84	4.37142857
RV94-014a	1	Gray	24.98	5.26	2.44	0.33	15.1393939
RV95-003a	1	Gray	25.76	8.37	1.98	0.57	9.03859649
RV95-006a	1	Gray	14.47	14.17	2.37	0.44	6.57727273
RV95-011a	1	Gray	7.62	7.19	2.16	0.14	10.8857143
RV95-019a	1	Gray	15.67	12.28	3.08	0.64	4.896875
RV95-019b	1	Gray	12.71	11.71	2.58	0.43	5.91162791
RV95-020a	1	Gray	20.07	16.35	3.83	1.68	2.38928571
RV95-024b	1	Gray	7.21	6.72	1.58	0.08	18.025
RV94-004a	1	Gray	18.88	10.37	2.49	0.68	5.55294118
RV94-009b	1	Gray	12.55	11.69	3.15	0.68	3.69117647
RV94-009c	1	Gray	6.66	8.68	1.64	0.11	12.1090909
RV94-011b	1	Gray	18.17	15.64	2.48	0.98	3.70816327
RV94-012c	1	Gray	15.67	11.51	2.71	0.70	4.47714286
RV95-018a	1	Gray	11.62	6.01	2.68	0.15	15.4933333
RV95-019d	1	Gray	7.18	7.02	1.57	0.12	11.9666667
RV94-010e	1	Gray	13.12	11.75	3.95	0.54	4.85925926
RV94-010b	1	Gray	36.80	13.63	3.20	2.04	3.60784314
RV94-012a	1	Gray	38.55	10.18	2.64	1.42	5.42957746
RV94-009a	1	Gray	24.08	10.01	2.41	0.68	7.08235294
RV94-011a	1	Gray	27.98	14.29	2.74	1.20	4.66333333
RV94-012b	1	Green	20.83	9.86	1.98	0.54	7.71481481
RV94-013b	1	Green	22.60	11.24	2.30	0.75	6.02666667
RV95-005a	1	Green	13.95	10.96	1.77	0.21	13.2857143
RV95-010a	1	Green	36.50	8.79	2.43	1.14	6.40350877
RV94-008a	1	Clear	11.30	8.17	2.16	0.25	9.04
RV94-010a	1	Gray	42.75	14.04	3.94	2.53	3.37944664
RV94-013e	1	Gray	13.56	13.44	3.11	0.60	4.52
RV95-009a	1	Gray	19.66	8.05	2.53	0.36	10.9222222
RV94-010d	1	Gray	19.75	13.44	4.23	1.20	3.29166667
RV95-012a	1	Gray	13.21	10.03	2.81	0.35	7.54857143
			Avg	Avg	Avg	Sum	Avg
TOTALS:	109		17.76	10.17	2.56	59.26	8.56759697
						s.d.=	6.52576289

Table A.05 Río Viejo 2000 Operation A (RV0A) artifacts

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-116a	5C76-6		Biface?		Possible bifacially flaked tool; small flakes removed from both dorsal and ventral surfaces, but doesn't give the appearance of a formal tool; also could just be a very flaked chunk of material	EPC	5
RV0A-088d	5C69-10		Chunk		Flake scars all around surface of artifact	LTF	
RV0A-132e	5C80-5		Chunk		Triangular in cross-section; no platforms and minimal flake scars	LC-EPC	
RV0A-187a	0D86-1		Chunk		Flake scars around perimeter of artifact; no distinct platform	EPC*	
RV0A-049b	101 - multi		Chunk		Flake scars all around surface of artifact		
RV0A-021a	14 - multi		Chunk		Flake scars on both surfaces		
RV0A-194c	1D75-8	Burial 39	Chunk		One possible platform; scarring around perimeter of artifact	EPC	Patio
RV0A-198a	1D81-8		Chunk		Possible part of distal end of core - what appear to be several arrises or flake/blade scars on dorsal surface	LC	
RV0A-324b	1E73-2		Chunk		Large chunk; no platforms; 4 primary surfaces around artifact perimeter	EPC	Patio
RV0A-329a	1E78-3		Chunk		Large chunk; probably from core preparation or rejuvenation; no distinctive platform or bulb from removal	EPC	1
RV0A-211c	2D78-4		Chunk		Scars on all sides; no identifiable platform or bulb	EPC	1
RV0A-214a	2D81-7		Chunk		Thick chunk; flaking on all surfaces; may have been used as a drill or other similar tool	EPC	1
RV0A-354a	3E81-17		Chunk		No platform; scars on dorsal surface	EPC	2
RV0A-354b	3E81-17		Chunk		No platform	EPC	2

Table A.05 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-115b	5C76-5		Chunk		Several flake scars around entire artifact; one possible platform but no bulb beneath it	EPC	5
RV0A-119a	5C77-9		Chunk		Scars on all sides; no identifiable platform or bulb	EPC	5
RV0A-239b	5D76-2		Chunk		Flake scars around perimeter of artifact; no distinct platform	EPC	1
RV0A-150m	6C77-3		Chunk		No distinctive flake scars, platform, etc.	EPC	5
RV0A-253e	7D70-1		Chunk		Small flake scars around entire perimeter of artifact	EPC	Patio
RV0A-184b	0D85-4		Chunk		No distinctive platform or bulb	LC-EPC	
RV0A-294a	9D73-2		Chunk		Large chunk; flake scars over entirety of artifact	EPC	Patio
RV0A-006a	0D82-5		Core		Exhausted core fragment; platform slightly concave - not ground or scored; edges around platform slightly crushed from removing blades; hinge fracture near distal end, though it's as if a blade was trying to be removed from the distal end; many arrises around core, but not very symmetrical	LC-EPC	
RV0A-039g	63 - multi		Core		Distal end of a core, fractured off on proximal end; multiple arrises around body of artifact		
RV0A-174c	0D80-2		Flake		Small platform	EPC*	
RV0A-177d	0D81-4		Flake		Small percussion flake; platform partially crushed	EPC	
RV0A-180b	0D83-1	MU 18; Burial 36	Flake		Percussion flake	EPC*	
RV0A-183a	0D85-3		Flake		Small flake, possibly pressure flake; small platform	EPC	
RV0A-348a	3E80-24		Flake		Large percussion flake; platform intact; relatively minimal flaking on dorsal surface	EPC	2
RV0A-111b	5C74-11		Flake		Small percussion flake; platform complete	LC	

Table A.05 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-131b	5C80-4		Flake		Possible prismatic blade fragment; crushed platform; flake scars on dorsal surface; snap tab on distal end of dorsal surface	LC-EPC	
RV0A-132b	5C80-5		Flake		No platform	LC-EPC	
RV0A-238b	5D76-1		Flake		Small flake; possibly pressure flake	EPC	1
RV0A-172e	0D75-2	Burial 38, 39	Flake		Small flake; partial platform	EPC	Patio
RV0A-174b	0D80-2		Flake		Platform present; several flake scars on dorsal surface	EPC*	
RV0A-181a	0D83-3	MU 18; Burial 36	Flake		Percussion flake; small platform	EPC	
RV0A-190a	0D87-4		Flake		Large percussion flake; platform partially crushed	EPC	Patio
RV0A-307b	0E71-4	Burial 41	Flake		Platform crushed; possible thinning flake	EPC	Patio
RV0A-308c	0E71-6	Burial 41	Flake		Large percussion flake; platform intact; distal end is a wide, flat end; arrises run diagonally across dorsal surface		
RV0A-022b	16 - multi		Flake		Small percussion flake - platform very small		
RV0A-191b	1D75-1	Burial 39	Flake		Percussion flake	EPC	Patio
RV0A-192a	1D75-2	Burial 39	Flake		Percussion flake	EPC	Patio
RV0A-194b	1D75-8	Burial 39	Flake		Percussion flake; scarring on dorsal and ventral surfaces	EPC	Patio
RV0A-199a	1D81-12		Flake		Small flake; very small platform	LC	
RV0A-008b	1D81-13		Flake		Small percussion flake - platform very small	LC	
RV0A-318a	1E70-2		Flake		Small flake; small platform present; thinning flake	EPC	Patio
RV0A-319b	1E71-1		Flake		Crushed platform	EPC	Patio
RV0A-211f	2D78-4		Flake		Small flake; platform partially crushed	EPC	1
RV0A-216a	2D81-11		Flake		Probable preparation or rejuvenation flake to develop ridges; ground platform	EPC	1
RV0A-344b	3E80-1		Flake		Percussion flake; platform partially crushed	EPC	2
RV0A-347a	3E80-8		Flake		Pressure flake; platform partially crushed	EPC	2

Table A.05 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-051c	5C56-2		Flake		Possible thinning flake or core prep flake; large platform present	EPC*	
RV0A-054a	5C60-3		Flake		Small platform; scars on both dorsal and ventral surface	EPC*	
RV0A-072a	5C66-9		Flake		Percussion flake; platform partially fractured off	EPC	
RV0A-081a	5C69-1		Flake		Large preparation flake; hinge fracture on dorsal surface; several flake scars on dorsal and ventral surfaces; 2 arrises on dorsal surface	EPC*	
RV0A-088c	5C69-10		Flake		Percussion flake; crushed platform	LTF	
RV0A-093b	5C70-6		Flake		Percussion flake; platform crushed; thinning flake	LTF	
RV0A-104c	5C72-12		Flake		Small percussion flake; platform crushed	LC	
RV0A-100d	5C72-7		Flake		Small platform; possibly part of prismatic blade - 2 arrises on dorsal surface	EPC	
RV0A-110b	5C74-9		Flake		Large percussion flake; platform complete	LC	
RV0A-115a	5C76-5		Flake		Long percussion flake; small platform	EPC	5
RV0A-117b	5C77-5		Flake		Probable thinning flake	EPC	5
RV0A-004a	5C77-9		Flake		Small platform; one long, single facet on distal end	EPC	5
RV0A-128b	5C80-1		Flake		Possible prismatic blade fragment; small platform - not ground or scored	EPC*	
RV0A-136b	5C81-2		Flake		Small platform	EPC	
RV0A-145a	5C88-13		Flake		Percussion flake; platform and bulb present; terminates in hinge fracture	LTF	
RV0A-143b	5C88-4		Flake		Small platform; bulb present	LC-EPC	
RV0A-036b	61 - multi		Flake		Platform crushed; possible thinning flake		
RV0A-041a	64 - Multi		Flake		Probable rejuvenation flake; several arrises on dorsal surface; several flake scars on dorsal surface as well; one large scar on ventral surface; also slight outré passé curve		

Table A.05 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-040j	64 - Multi		Flake		Large percussion flake; terminates in hinge fracture		
RV0A-040k	64 - Multi		Flake		Small platform; very thin		
RV0A-154a	6C81-8		Flake		Large percussion flake; platform complete; probably to prepare or thin core	LC	
RV0A-255b	7D72-1		Flake		Percussion flake; small platform	EPC	Patio
RV0A-168b	9C82-8		Flake		Percussion flake; distal end terminates in hinge fracture	EPC	
RV0A-298d	9D75-2		Flake		Thin percussion flake; small platform	EPC	Patio
RV0A-300b	9D76-3		Flake		Percussion flake; platform present, but crushed on dorsal edge	EPC	Patio
RV0A-024a	20 - multi	Burial 41	Flake		Small percussion flake - platform very small	EPC	Patio
RV0A-234a	4D81-4		Flake		Large percussion flake; platform crushed; probably preparation flake; flake scar on proximal end of ventral surface	EPC	1
RV0A-056d	5C62-1		Flake		Percussion flake; platform crushed	EPC*	
RV0A-084b	5C69-6		Flake		Small flake; platform present	LTF	
RV0A-113b	5C75-6		Flake		Percussion flake; platform complete	LC	
RV0A-136c	5C81-2		Flake		Small platform; possibly part of prismatic blade	EPC	
RV0A-013a	7E71-2		Flake		Large percussion flake; cortex on proximal and distal ends - including platform; several flake scars on dorsal surface		
RV0A-273a	8D72-2		Flake		Percussion flake; partial flake; cortex along right edge	EPC	Patio
RV0A-166a	9C82-3		Flake		Large percussion flake; platform partially crushed	EPC	
RV0A-196a	1D78-4		Flake fragment		Probably part of prismatic blade; highly fractured along lateral margins	EPC	1
RV0A-196b	1D78-4		Flake fragment		Probably part of prismatic blade; several flake scars and one lateral margin fractured	EPC	1

Table A.05 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-212a	2D80-1		Flake fragment		Probable thinning flake; platform and bulb fractured off	EPC	1
RV0A-220a	2D81-21		Flake fragment		Large percussion flake; platform fractured off	EPC	1
RV0A-337a	2E81-8		Flake fragment		Possibly part of prismatic blade - single arris on dorsal surface; no platform	EPC	2
RV0A-342b	3E80-1		Flake fragment		Very small flake, probably pressure flake; no platform	EPC	2
RV0A-343a	3E80-2		Flake fragment		No platform; several facets on dorsal surface	EPC	2
RV0A-226b	4D76-1		Flake fragment		Thin flake; no platform; flake scar on dorsal surface	EPC	1
RV0A-089c	5C69-11		Flake fragment		Very small flake; no platform; possible pressure flake	LTF	
RV0A-094f	5C70-7		Flake fragment		No platform	LTF	
RV0A-102c	5C72-9		Flake fragment		Possible final-stage blade; single arrise along dorsal surface; distal end very fractured; outré passé curve	EPC	
RV0A-102d	5C72-9		Flake fragment		No platform	EPC	
RV0A-127b	5C79-14		Flake fragment		Small flake; partial bulb, no platform	LC	
RV0A-125b	5C79-8		Flake fragment		No platform or noticeable bulb	LC	
RV0A-132d	5C80-5		Flake fragment		No platform or noticeable bulb	LC-EPC	
RV0A-139b	5C87-6		Flake fragment		No platform or noticeable bulb	LC-EPC	
RV0A-239a	5D76-2		Flake fragment		Probably a fractured lateral margin from a prismatic blade	EPC	1
RV0A-243b	5D81-2		Flake fragment		Small flake; probably pressure flake; no platform	EPC	1

Table A.05 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-147c	6C76-3		Flake fragment		No platform or noticeable bulb	EPC	5
RV0A-253d	7D70-1		Flake fragment		No platform; possibly a pressure flake	EPC	Patio
RV0A-160b	8C82-6		Flake fragment		No platform or noticeable bulb	LC-EPC	
RV0A-285b	9D70-1		Flake fragment		Small flake; no platform	EPC	Patio
RV0A-172f	0D75-2	Burial 38, 39	Flake fragment		Possible rejuvenation or preparation flake; almost pyramidal on dorsal surface - arrises?	EPC	Patio
RV0A-173a	0D75-4	Burial 38, 39	Flake fragment		Large percussion flake; no platform; partial bulb	EPC	Patio
RV0A-173b	0D75-4	Burial 38, 39	Flake fragment		Small flake; no platform	EPC	Patio
RV0A-178a	0D81-6		Flake fragment		Large percussion flake; no platform; partial bulb	LC-EPC	
RV0A-180c	0D83-1	MU 18; Burial 36	Flake fragment		No platform; partial bulb	EPC	
RV0A-183b	0D85-3		Flake fragment		Large percussion flake; platform fractured off	EPC	
RV0A-019a	11 - multi		Flake fragment		No platform; possibly from snapping blade for sections		
RV0A-192b	1D75-2	Burial 39	Flake fragment		Percussion flake; no platform	EPC	Patio
RV0A-196c	1D78-4		Flake fragment		Part of prismatic blade - ground platform	EPC	1
RV0A-320d	1E71-2		Flake fragment		Small fragment; no platform, partial bulb	EPC	Patio
RV0A-327a	1E76-3		Flake fragment		Percussion flake; no platform; partial bulb	EPC	Patio
RV0A-210b	2D78-3		Flake fragment		Large percussion flake; no platform; partial bulb	EPC	1

Table A.05 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-211b	2D78-4		Flake fragment		Small flake; no platform	EPC	1
RV0A-336b	2E81-7		Flake fragment		Probable prismatic blade fragment; flaked on dorsal and ventral surfaces	EPC	2
RV0A-027b	38 - multi		Flake fragment		Very small flake; no platform		
RV0A-027c	38 - multi		Flake fragment		Very small flake; no platform		
RV0A-222b	3D78-1		Flake fragment		Percussion flake; crushed platform	EPC	1
RV0A-343b	3E80-2		Flake fragment		No platform or noticeable bulb	EPC	2
RV0A-349a	3E80-27		Flake fragment		Probably distal end of flake - feather termination; proximal end is fractured off	EPC	2
RV0A-346e	3E80-6		Flake fragment		No platform; flake scars on dorsal and ventral surface	EPC	2
RV0A-030b	47 - multi		Flake fragment		No platform		
RV0A-228c	4D78-1		Flake fragment		Probably part of prismatic blade - single arris on dorsal surface; very thin; no platform or distal tip	EPC	1
RV0A-369a	4F15-2		Flake fragment		Percussion flake; no platform	EPC	
RV0A-032b	53 - multi		Flake fragment		Possibly part of prismatic blade - partial arrises on dorsal surface; dorsal surface rounded		
RV0A-033b	54 - multi		Flake fragment		No platform; flake scars on dorsal surface		
RV0A-066b	5C65-23		Flake fragment		Possible prismatic blade fragment; scarring on dorsal and ventral surfaces	LTF	
RV0A-074a	5C66-13		Flake fragment		No platform or noticeable bulb	EPC	

Table A.05 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-074b	5C66-13		Flake fragment		Multiple flaked surfaces; no discernible platform or bulb	EPC	
RV0A-075a	5C66-14		Flake fragment		No platform or noticeable bulb	EPC	
RV0A-078c	5C66-19		Flake fragment		Very small flake; no platform	LTF	
RV0A-068a	5C66-4		Flake fragment		No platform; very irregular	EPC	
RV0A-085b	5C69-7		Flake fragment		No platform	LTF	
RV0A-096b	5C70-13		Flake fragment		No platform; flake scars on dorsal and ventral surfaces	LTF	
RV0A-094e	5C70-7		Flake fragment		Large percussion flake fragment	LTF	
RV0A-094d	5C70-7		Flake fragment		Small flake; probably pressure flake; no platform	LTF	
RV0A-099c	5C72-6		Flake fragment		Small bulb but no platform	EPC	
RV0A-111c	5C74-11		Flake fragment		Percussion flake; no platform	LC	
RV0A-111d	5C74-11		Flake fragment		Percussion flake; no platform	LC	
RV0A-112b	5C75-4		Flake fragment		No platform	LC-EPC	
RV0A-112a	5C75-4		Flake fragment		No platform	LC-EPC	
RV0A-118b	5C77-6		Flake fragment		Both surfaces flaked; no platform or bulb	EPC	5
RV0A-126a	5C79-11		Flake fragment		Flake scars on both surfaces; no platform or bulb	LC	
RV0A-124c	5C79-7		Flake fragment		No platform or noticeable bulb	LC-EPC	

Table A.05 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-132c	5C80-5		Flake fragment		Probably crushed platform; partial bulb	LC-EPC	
RV0A-136d	5C81-2		Flake fragment		No platform	EPC	
RV0A-136e	5C81-2		Flake fragment		No platform or noticeable bulb	EPC	
RV0A-035b	60 - multi		Flake fragment		No platform		
RV0A-040I	64 - Multi		Flake fragment		No platform		
RV0A-042d	65 - multi		Flake fragment		Probably a prismatic blade fragment; many flake scars on dorsal and ventral surfaces		
RV0A-149b	6C76-8		Flake fragment		No platform; partial bulb	EPC	5
RV0A-150I	6C77-3		Flake fragment		No platform	EPC	5
RV0A-153b	6C81-3		Flake fragment		No platform or noticeable bulb	LC-EPC	
RV0A-359a	6E81-3		Flake fragment		Small flake; no platform; flake scars on dorsal and ventral surfaces		
RV0A-046a	75 - multi		Flake fragment		No platform; possibly part of prismatic blade - triangular in cross-section		
RV0A-259b	7D75-6		Flake fragment		No platform or noticeable bulb	EPC	Patio
RV0A-260b	7D77-4		Flake fragment		Probable lateral margin of prismatic blade, fractured off length-wise	EPC	1
RV0A-265b	7D80-6		Flake fragment		No platform; scars on dorsal surface	EPC	1
RV0A-158a	8C81-5		Flake fragment		No platform or noticeable bulb	LC-EPC	
RV0A-158b	8C81-5		Flake fragment		No platform or noticeable bulb	LC-EPC	

Table A.05 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-160a	8C82-6		Flake fragment		No distinctive platform; partial bulb	LC-EPC	
RV0A-273b	8D72-2		Flake fragment		Percussion flake; no platform; partial bulb	EPC	Patio
RV0A-047a	95 - multi		Flake fragment		No platform; small platform on ventral surface		
RV0A-164a	9C81-6		Flake fragment		Possible crushed platform	LC-EPC	
RV0A-279d	9D68-1		Flake fragment		Probable prismatic blade fragment; flaked on dorsal and ventral surfaces	EPC	Patio
RV0A-281b	9D68-4		Flake fragment		No platform or noticeable bulb	EPC	Patio
RV0A-282b	9D69-1		Flake fragment		Small percussion flake; no platform; partial bulb	EPC	Patio
RV0A-7a	Multi-unit		Flake fragment		No platform or bulb of percussion; fractured on distal end; one intact margin (right); from flotation (4; sorted 3.12.01)		
RV0A-7b	Multi-unit		Flake fragment				
RV0A-314b	0E76-2		Flake fragment		Percussion flake; platform fractured off	EPC	Patio
RV0A-197b	1D79-1		Flake fragment		Probably prismatic blade fragment - 2 probable arrises along lateral margins; fractured at proximal and distal ends	EPC	1
RV0A-053b	5C58-5		Flake fragment		Small possible pressure flake	LTF	
RV0A-062b	5C65-16		Flake fragment		Possible final-stage blade; flake scar on dorsal surface	LTF	
RV0A-077g	5C66-16		Flake fragment		Probable prismatic blade fragment; very fracture length-wise along lateral margins	LTF	
RV0A-262d	7D78-5		Flake fragment		Small flake, probably pressure flake; platform crushed	EPC	1

Table A.05 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-275b	8D75-2		Flake fragment		No platform or noticeable bulb	EPC	Patio
RV0A-291d	9D72-5	Burial 41	Flake fragment		Possible distal end of blade or core - 2 arrises on dorsal surface	EPC	Patio
RV0A-185b	0D85-6		Prismatic blade	Distal	Final-stage blade; 2 facets on distal end, one ground; outré passé curve	LC-EPC	
RV0A-189a	0D87-2		Prismatic blade	Distal	Final-stage blade; very small facet at distal tip; partial snap tab on proximal end of ventral surface; outré passé curve	EPC	
RV0A-331a	1E80-1		Prismatic blade	Distal	Final-stage blade; very tip broken off; slight outré passé curve	EPC	1
RV0A-341b	3E73-3		Prismatic blade	Distal	Final-stage blade; single flat facet on distal tip, slightly angled; slight outré passé curve	EPC	Patio
RV0A-235a	4D83-2		Prismatic blade	Distal	Final-stage blade; very tip broken off on ventral surface; flaking along both lateral margins		
RV0A-129a	5C80-2		Prismatic blade	Distal	Final-stage blade; terminates in slightly rounded tip; curving to the left; slight outré passé curve	EPC*	
RV0A-130a	5C80-3		Prismatic blade	Distal	Final-stage blade; distal tip present - wide, flat facet slightly angled to the right; slight outré passé curve	EPC	
RV0A-289d	9D72-2	Burial 41	Prismatic blade	Distal	Final-stage blade; very end flaked off; cortex along left lateral margin	EPC	Patio
RV0A-291a	9D72-5	Burial 41	Prismatic blade	Distal	Final-stage blade; very tip comes to a point; slight outré passé curve	EPC	Patio
RV0A-171a	0D75-1	Burial 38,39	Prismatic blade	Distal	Final-stage blade; distal tip intact, but irregularly shaped; snap fracture on proximal end; slight outré passé curve	EPC	Patio
RV0A-176c	0D81-3		Prismatic blade	Distal	Final-stage blade; very distal tip that's been snapped off; small, single facet at end; slightly angled	EPC	

Table A.05 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-312d	0E75-1		Prismatic blade	Distal	Final-stage blade; very end flaked off; curving to the right	EPC	Patio
RV0A-002b	12 - Multi		Prismatic blade	Distal	Final-stage blade; very tip slightly broken		
RV0A-203a	1D82-1		Prismatic blade	Distal	Final-stage blade; distal tip present - single facet, angled slightly to left	EPC*	
RV0A-325b	1E73-3		Prismatic blade	Distal	Final-stage blade; very end broken off	EPC	Patio
RV0A-025b	27 - multi		Prismatic blade	Distal	Final-stage blade; very distal tip that's been snapped off		
RV0A-229b	4D78-2		Prismatic blade	Distal	Final-stage blade; very tip flaked off; very slight outré passé curve	EPC	1
RV0A-057a	5C62-2		Prismatic blade	Distal	Final-stage blade; very tip snapped off; outré passé curve	EPC*	
RV0A-078a	5C66-19		Prismatic blade	Distal	Final-stage blade; very tip broken off	EPC	
RV0A-135a	5C80-11		Prismatic blade	Distal	Final-stage blade; distal tip present - single, flat facet ; outré passé curve	LC	
RV0A-142b	5C88-4		Prismatic blade	Distal	Final-stage blade; distal tip present - single, flat facet; angled to left; slight outré passé curve	LC-EPC	
RV0A-042c	65 - multi		Prismatic blade	Distal	Final-stage blade; small facet on very tip of distal end; slight angle at tip; slight outré passé curve		
RV0A-147c	6C76-4		Prismatic blade	Distal	Final-stage blade; angled end; small flake scars along distal facet; several arrises on dorsal surface	EPC	5
RV0A-262c	7D78-5		Prismatic blade	Distal	Final-stage blade; very distal end intact; wide, single facet on end; outré passé curve	EPC	1
RV0A-366b	7E81-4		Prismatic blade	Distal	Final-stage blade; very tip of blade, feather termination	EPC	2
RV0A-291b	9D72-5	Burial 41	Prismatic blade	Distal	Final-stage blade; very tip is a flat, single facet; fractured on proximal end	EPC	Patio

Table A.05 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-301a	9D80-1		Prismatic blade	Distal	Final-stage blade; ground distal end - from bipolar core?; snap fracture on proximal end of dorsal surface	EPC	1
RV0A-319a	1E71-1		Prismatic blade	Distal	Final-stage blade; end comes to a point but very tip broken off	EPC	Patio
RV0A-088a	5C69-10		Prismatic blade	Distal	Final-stage blade; single flat facet on distal tip; snap fracture on proximal end of ventral surface	LTF	
RV0A-083c	5C69-5		Prismatic blade	Distal	Final-stage blade; tip complete; flat end, but not snapped off	EPC	
RV0A-040d	64 - Multi		Prismatic blade	Distal	Final-stage blade; tip complete to point; slightly angled		
RV0A-150h	6C77-3		Prismatic blade	Distal	Final-stage blade; angled tip; partial snap tab on proximal end of dorsal surface	EPC	5
RV0A-005a	9C82-5		Prismatic blade	Distal	Final-stage blade; snap fracture on proximal end of dorsal surface; very tip slightly rounded - may be broken, but doesn't necessarily look like a fracture; though on left lateral margin, tip is broken	LC-EPC	
RV0A-305a	0E69-3		Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	Patio
RV0A-065a	5C65-22		Prismatic blade	Medial	Final-stage blade	LTF	
RV0A-101c	5C72-8		Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of dorsal surface	EPC	
RV0A-182b	0D85-2		Prismatic blade	Medial	Final-stage blade; fracture on proximal and distal ends	EPC	
RV0A-182a	0D85-2		Prismatic blade	Medial	Final-stage blade	EPC	
RV0A-315a	0E76-4		Prismatic blade	Medial	Final-stage blade	EPC	Patio
RV0A-316a	0E78-4		Prismatic blade	Medial	Final-stage blade; snap tab on distal end of dorsal surface	EPC	1

Table A.05 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-325a	1E73-3		Prismatic blade	Medial	Final-stage blade; large flake removed on distal end of dorsal surface	EPC	Patio
RV0A-326b	1E76-2		Prismatic blade	Medial	Final-stage blade	EPC	Patio
RV0A-330a	1E79-1		Prismatic blade	Medial	Final-stage blade; left lateral margin highly flaked	EPC	1
RV0A-333b	2E76-3		Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	Patio
RV0A-338a	2E81-10		Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	1
RV0A-339a	3E73-1		Prismatic blade	Medial	Final-stage blade; flake removed from proximal end of dorsal surface	EPC	Patio
RV0A-341a	3E73-3		Prismatic blade	Medial	Final-stage blade	EPC	Patio
RV0A-342a	3E80-1		Prismatic blade	Medial	Final-stage blade; left lateral margin fractured off	EPC	2
RV0A-232b	4D80-2		Prismatic blade	Medial	Final-stage blade; partial snap tab on distal end of ventral surface	EPC	1
RV0A-233b	4D80-3		Prismatic blade	Medial	Final-stage blade; snap fractures on proximal and distal ends of dorsal surface	EPC	1
RV0A-235b	4D83-2		Prismatic blade	Medial	Final-stage blade		
RV0A-355a	4E75-1		Prismatic blade	Medial	Final-stage blade	EPC	Patio
RV0A-357b	4E77-3		Prismatic blade	Medial	Final-stage blade	EPC	1
RV0A-121a	5C78-5		Prismatic blade	Medial	Final-stage blade	EPC	5
RV0A-122a	5C79-3		Prismatic blade	Medial	Final-stage blade; large flakes removed on ventral surface from proximal end distal ends; smaller flake scars on proximal and distal ends of dorsal surface	EPC	

Table A.05 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-124a	5C79-7		Prismatic blade	Medial	Final-stage blade; one lateral margin fractured off; several flake scars on dorsal and ventral surface	LC-EPC	
RV0A-129c	5C80-2		Prismatic blade	Medial	Final-stage blade; partial snap tab on distal end of dorsal surface	EPC*	
RV0A-238a	5D76-1		Prismatic blade	Medial	Final-stage blade; large flake removed on distal end of ventral surface	EPC	Patio
RV0A-241a	5D79-1		Prismatic blade	Medial	Final-stage blade; fractures on proximal and distal ends	EPC	1
RV0A-245a	5D83-2		Prismatic blade	Medial	Final-stage blade; multiple flake scars on dorsal and ventral surfaces, especially on proximal and distal ends		
RV0A-251a	6D84-2		Prismatic blade	Medial	Final-stage blade; partial snap fracture on proximal end of dorsal surface	EPC	3
RV0A-252c	6D88-1		Prismatic blade	Medial	Final-stage blade	EPC	3
RV0A-358a	6E71-1		Prismatic blade	Medial	Final-stage blade; fractured on proximal and distal ends		
RV0A-253c	7D70-1		Prismatic blade	Medial	Final-stage blade	EPC	Patio
RV0A-258a	7D74-5		Prismatic blade	Medial	Final-stage blade	EPC	Patio
RV0A-264a	7D80-2		Prismatic blade	Medial	Final-stage blade; flaking on both lateral margins	EPC	1
RV0A-363b	7E76-1		Prismatic blade	Medial	Final-stage blade; snap tabs on proximal end of dorsal surface and distal end of ventral surface	EPC	2
RV0A-365a	7E80-1		Prismatic blade	Medial	Final-stage blade; flake scars on dorsal and ventral surfaces	EPC	2
RV0A-367a	7E81-5		Prismatic blade	Medial	Final-stage blade	EPC	2
RV0A-157a	8C81-2		Prismatic blade	Medial	Final-stage blade	EPC	

Table A.05 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-167c	9C82-4		Prismatic blade	Medial	Final-stage blade	LC-EPC	
RV0A-277a	9D66-1		Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	4
RV0A-277b	9D66-1		Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of ventral surface	EPC	4
RV0A-279b	9D68-1		Prismatic blade	Medial	Final-stage blade; asymmetrical arrises	EPC	Patio
RV0A-279c	9D68-1		Prismatic blade	Medial	Final-stage blade; fractured on proximal and distal ends	EPC	Patio
RV0A-289a	9D72-2	Burial 41	Prismatic blade	Medial	Final-stage blade; fractured on proximal and distal ends	EPC	Patio
RV0A-290a	9D72-4	Burial 41	Prismatic blade	Medial	Final-stage blade	EPC	Patio
RV0A-290b	9D72-4	Burial 41	Prismatic blade	Medial	Final-stage blade; snap tabs on proximal and distal ends of dorsal surface	EPC	Patio
RV0A-172c	0D75-2	Burial 38, 39	Prismatic blade	Medial	Final-stage blade	EPC	Patio
RV0A-172b	0D75-2	Burial 38, 39	Prismatic blade	Medial	Final-stage blade	EPC	Patio
RV0A-172g	0D75-2	Burial 38, 39	Prismatic blade	Medial	Final-stage blade	EPC	Patio
RV0A-177a	0D81-4		Prismatic blade	Medial	Final-stage blade; high amount of flaking on lateral margins; small snap fracture on distal end of ventral surface	EPC	
RV0A-177c	0D81-4		Prismatic blade	Medial	Final-stage blade; areas of microflaking on proximal and distal ends	EPC	
RV0A-180a	0D83-1	MU 18; Burial 36	Prismatic blade	Medial	Final-stage blade	EPC*	
RV0A-188a	0D86-4		Prismatic blade	Medial	Final-stage blade; blade scar on dorsal surface - extends about 1/2 way down length of blade; lateral margins highly flaked	LC-EPC	

Table A.05 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-304b	0E69-2		Prismatic blade	Medial	Final-stage blade; snap fracture on distal end	EPC	Patio
RV0A-309a	0E72-1	Burial 41	Prismatic blade	Medial	Final-stage blade; fractured on proximal end	EPC	Patio
RV0A-311b	0E73-2		Prismatic blade	Medial	Final-stage blade; right lateral margin fractured off	EPC	Patio
RV0A-312c	0E75-1		Prismatic blade	Medial	Final-stage blade; right lateral margin fractured off	EPC	Patio
RV0A-312b	0E75-1		Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	EPC	Patio
RV0A-315b	0E76-4		Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	EPC	Patio
RV0A-317a	0E79-1		Prismatic blade	Medial	Final-stage blade	EPC	1
RV0A-018a	10 - Multi		Prismatic blade	Medial	Final-stage blade		
RV0A-018b	10 - Multi		Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface; snap fracture on distal end of dorsal surface		
RV0A-020a	13 - multi		Prismatic blade	Medial	Final-stage blade		
RV0A-023a	18 - multi	Burial 36	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface		
RV0A-195a	1D78-3		Prismatic blade	Medial	Final-stage blade	EPC	1
RV0A-197a	1D79-1		Prismatic blade	Medial	Final-stage blade; several flake scars on dorsal surface; partial snap tabs on proximal and distal ends of dorsal surface	EPC	1
RV0A-200a	1D81-16		Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of dorsal surface	EPC	1
RV0A-204a	1D83-3	MU 18; Burial 36	Prismatic blade	Medial	Final-stage blade; snap fractures on both proximal and dorsal ends		

Table A.05 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-205a	1D83-4	MU 18; Burial 36	Prismatic blade	Medial	Final-stage blade; partial snap tab on distal end of ventral surface		
RV0A-207a	1D83-7	MU 18; Burial 36	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface		
RV0A-207b	1D83-7	MU 18; Burial 36	Prismatic blade	Medial	Final-stage blade; one lateral margin fractured		
RV0A-320a	1E71-2		Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of dorsal surface	EPC	Patio
RV0A-320c	1E71-2		Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	Patio
RV0A-321a	1E72-1		Prismatic blade	Medial	Final-stage blade	EPC	Patio
RV0A-324a	1E73-2		Prismatic blade	Medial	Final-stage blade	EPC	Patio
RV0A-326c	1E76-2		Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	EPC	Patio
RV0A-025a	27 - multi		Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface		
RV0A-208a	2D75-1		Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of ventral surface	EPC	Patio
RV0A-210a	2D78-3		Prismatic blade	Medial	Final-stage blade; snap fracture and tab on distal end of dorsal surface; hinge fracture on dorsal surface - establishes arrises	EPC	1
RV0A-211d	2D78-4		Prismatic blade	Medial	Final-stage blade; several flake scars on dorsal surface; proximal end slightly crushed	EPC	1
RV0A-219a	2D81-18		Prismatic blade	Medial	Final-stage blade	EPC	1
RV0A-221a	2D81-23		Prismatic blade	Medial	Final-stage blade; small snap fracture on proximal end of dorsal surface	EPC	1
RV0A-334a	2E79-1		Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface; snap fracture on distal end of dorsal surface	EPC	1

Table A.05 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-338b	2E81-10		Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of ventral surface	EPC	1
RV0A-336a	2E81-7		Prismatic blade	Medial	Final-stage blade	EPC	1
RV0A-027a	38 - multi		Prismatic blade	Medial	Final-stage blade; left lateral margin fractured off length-wise		
RV0A-223b	3D81-2		Prismatic blade	Medial	Final-stage blade	EPC	1
RV0A-225a	3D87-4		Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	EPC	3
RV0A-344a	3E80-1		Prismatic blade	Medial	Final-stage blade; snap tab on distal end of dorsal surface	EPC	2
RV0A-345a	3E80-5		Prismatic blade	Medial	Final-stage blade; partial snap tab on distal end of ventral surface	EPC	2
RV0A-029a	44 - multi		Prismatic blade	Medial	Final-stage blade		
RV0A-226a	4D76-1		Prismatic blade	Medial	Final-stage blade; small snap tab on proximal end of ventral surface; small snap fracture on distal end of dorsal surface	EPC	Patio
RV0A-228a	4D78-1		Prismatic blade	Medial	Final-stage blade	EPC	1
RV0A-229d	4D78-2		Prismatic blade	Medial	Final-stage blade	EPC	1
RV0A-229c	4D78-2		Prismatic blade	Medial	Final-stage blade; flake scar on ventral surface	EPC	1
RV0A-230a	4D78-4		Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	1
RV0A-233a	4D80-3		Prismatic blade	Medial	Final-stage blade; fractured on proximal and distal ends; highly developed polish parallel to lateral margins on all 4 lateral margins	EPC	1
RV0A-237b	4D87-1		Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	3

Table A.05 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-355b	4E75-1		Prismatic blade	Medial	Final-stage blade; several flake scars on dorsal and ventral surfaces	EPC	Patio
RV0A-356a	4E75-3		Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of dorsal surface	EPC	Patio
RV0A-357a	4E77-3		Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface; left lateral margin fractured off	EPC	1
RV0A-032a	53 - multi		Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of ventral surface		
RV0A-033a	54 - multi		Prismatic blade	Medial	Final-stage blade		
RV0A-050b	5C55-3		Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	EPC*	
RV0A-051b	5C56-2		Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC*	
RV0A-055a	5C61-2		Prismatic blade	Medial	Final-stage blade	EPC*	
RV0A-056a	5C62-1		Prismatic blade	Medial	Final-stage blade	EPC*	
RV0A-056b	5C62-1		Prismatic blade	Medial	Final-stage blade; proximal end wider than rest of blade - probably from excess material not from being worn down	EPC*	
RV0A-064b	5C65-21		Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of dorsal surface	LTF	
RV0A-059a	5C65-4		Prismatic blade	Medial	Final-stage blade; lateral margins highly fractured	EPC	
RV0A-079b	5C66-19		Prismatic blade	Medial	Final-stage blade; fractured throughout	LTF	
RV0A-080a	5C66-20		Prismatic blade	Medial	Final-stage blade; snap fractures on proximal and distal ends of dorsal surface	LTF	
RV0A-080b	5C66-20		Prismatic blade	Medial	Final-stage blade	LTF	

Table A.05 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-084a	5C69-6		Prismatic blade	Medial	Final-stage blade; near distal end - very tip broken off	LTF	
RV0A-086b	5C69-8		Prismatic blade	Medial	Final-stage blade; fractured along one lateral margin; several flake scars on ventral surface	LTF	
RV0A-087c	5C69-9		Prismatic blade	Medial	Final-stage blade	LTF	
RV0A-097a	5C72-3		Prismatic blade	Medial	Final-stage blade; probably near distal end	EPC	
RV0A-097b	5C72-3		Prismatic blade	Medial	Final-stage blade	EPC	
RV0A-101a	5C72-8		Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of ventral surface; probably near distal end of blade	EPC	
RV0A-101d	5C72-8		Prismatic blade	Medial	Final-stage blade	EPC	
RV0A-102a	5C72-9		Prismatic blade	Medial	Final-stage blade; fracture length-wise along arrises	EPC	
RV0A-105a	5C73-2		Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	
RV0A-107a	5C73-5		Prismatic blade	Medial	Final-stage blade; partial snap fracture on proximal end of ventral surface	EPC	
RV0A-109a	5C74-7		Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of ventral surface	EPC	5
RV0A-110a	5C74-9		Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface; snap tab on distal end of dorsal surface	EPC	5
RV0A-114a	5C76-4		Prismatic blade	Medial	Final-stage blade	EPC	5
RV0A-114b	5C76-4		Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of ventral surface	EPC	5
RV0A-117a	5C77-5		Prismatic blade	Medial	Final-stage blade	EPC	5

Table A.05 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-120b	5C78-3		Prismatic blade	Medial	Final-stage blade; partial snap fracture on proximal end of dorsal surface	EPC	5
RV0A-120a	5C78-3		Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	EPC	5
RV0A-127a	5C79-14		Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	LC	
RV0A-123a	5C79-5		Prismatic blade	Medial	Final-stage blade; partial snap fracture on distal end of dorsal surface	EPC	
RV0A-124f	5C79-7		Prismatic blade	Medial	Final-stage blade	LC-EPC	
RV0A-124e	5C79-7		Prismatic blade	Medial	Final-stage blade; near distal end - very tip broken off	LC-EPC	
RV0A-128a	5C80-1		Prismatic blade	Medial	Final-stage blade	EPC*	
RV0A-129d	5C80-2		Prismatic blade	Medial	Final-stage blade; partial snap tab on distal end of ventral surface	EPC*	
RV0A-130b	5C80-3		Prismatic blade	Medial	Final-stage blade	EPC	
RV0A-131a	5C80-4		Prismatic blade	Medial	Final-stage blade; partial snap tab on distal end of dorsal surface	LC-EPC	
RV0A-134a	5C80-8		Prismatic blade	Medial	Final-stage blade	LC	
RV0A-140a	5C87-13		Prismatic blade	Medial	Final-stage blade; small snap fracture on proximal end of dorsal surface	LTF	
RV0A-139a	5C87-6		Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	LC-EPC	
RV0A-141a	5C88-1		Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of ventral surface	EPC*	
RV0A-142a	5C88-4		Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	LC-EPC	
RV0A-242b	5D80-1		Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	1

Table A.05 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-036a	61 - multi		Prismatic blade	Medial	Final-stage blade		
RV0A-038a	62 - multi		Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface		
RV0A-037a	62 - multi		Prismatic blade	Medial	Final-stage blade; left lateral margin fractured off; distal end has flake scars		
RV0A-039d	63 - multi		Prismatic blade	Medial	Final-stage blade		
RV0A-039e	63 - multi		Prismatic blade	Medial	Final-stage blade		
RV0A-039b	63 - multi		Prismatic blade	Medial	Final-stage blade; flake scar on dorsal surface		
RV0A-040a	64 - Multi		Prismatic blade	Medial	Final-stage blade; large snap fracture on proximal end of ventral surface; fracture on distal end		
RV0A-040g	64 - Multi		Prismatic blade	Medial	Final-stage blade		
RV0A-040h	64 - Multi		Prismatic blade	Medial	Final-stage blade		
RV0A-042b	65 - multi		Prismatic blade	Medial	Final-stage blade; snap tab on distal end of ventral surface		
RV0A-147a	6C76-4		Prismatic blade	Medial	Final-stage blade; partial snap fracture on distal end of ventral surface	EPC	5
RV0A-149a	6C76-8		Prismatic blade	Medial	Final-stage blade; fractured along left lateral margin; snap tab on proximal end of ventral surface	EPC	5
RV0A-150a	6C77-3		Prismatic blade	Medial	Final-stage blade; arrises very irregular; highly flaked around lateral margins	EPC	5
RV0A-150d	6C77-3		Prismatic blade	Medial	Final-stage blade; large fracture on right lateral margin	EPC	5
RV0A-150k	6C77-3		Prismatic blade	Medial	Final-stage blade	EPC	5

Table A.05 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-150i	6C77-3		Prismatic blade	Medial	Final-stage blade	EPC	5
RV0A-150e	6C77-3		Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	5
RV0A-150j	6C77-3		Prismatic blade	Medial	Final-stage blade	EPC	5
RV0A-150b	6C77-3		Prismatic blade	Medial	Final-stage blade	EPC	5
RV0A-152b	6C79-3		Prismatic blade	Medial	Final-stage blade	EPC	
RV0A-152a	6C79-3		Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	
RV0A-152d	6C79-3		Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of ventral surface	EPC	
RV0A-246a	6D76-2		Prismatic blade	Medial	Final-stage blade; flaked on both lateral margins; one flake off dorsal surface; partial snap tab on distal end of ventral surface	EPC	Patio
RV0A-248a	6D80-1		Prismatic blade	Medial	Final-stage blade	EPC	1
RV0A-249a	6D81-1		Prismatic blade	Medial	Final-stage blade	EPC	1
RV0A-252a	6D88-1		Prismatic blade	Medial	Final-stage blade; fractured on proximal and distal ends	EPC	3
RV0A-252b	6D88-1		Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	EPC	3
RV0A-156a	7C81-5		Prismatic blade	Medial	Final-stage blade; snap fractures on proximal and distal ends of dorsal surface		
RV0A-253a	7D70-1		Prismatic blade	Medial	Final-stage blade; snap fractures on proximal and distal ends of dorsal surface	EPC	Patio
RV0A-253b	7D70-1		Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of dorsal surface	EPC	Patio
RV0A-254b	7D70-2		Prismatic blade	Medial	Final-stage blade	EPC	Patio

Table A.05 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-254a	7D70-2		Prismatic blade	Medial	Final-stage blade; partial snap tab on distal end of ventral surface	EPC	Patio
RV0A-256b	7D72-2		Prismatic blade	Medial	Final-stage blade	EPC	Patio
RV0A-256a	7D72-2		Prismatic blade	Medial	Final-stage blade; fractured along one lateral margin	EPC	Patio
RV0A-259a	7D75-6		Prismatic blade	Medial	Final-stage blade	EPC	Patio
RV0A-260a	7D77-4		Prismatic blade	Medial	Final-stage blade	EPC	1
RV0A-262a	7D78-5		Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of dorsal surface	EPC	1
RV0A-264b	7D80-2		Prismatic blade	Medial	Final-stage blade	EPC	1
RV0A-266a	7D81-4		Prismatic blade	Medial	Final-stage blade	EPC	1
RV0A-361a	7E74-2		Prismatic blade	Medial	Final-stage blade	EPC	2
RV0A-363c	7E76-1		Prismatic blade	Medial	Final-stage blade; snap tab on distal end of ventral surface	EPC	2
RV0A-364a	7E78-1		Prismatic blade	Medial	Final-stage blade; snap fractures on proximal and distal ends of dorsal surface	EPC	2
RV0A-366a	7E81-4		Prismatic blade	Medial	Final-stage blade; probably proximal end with platform fractured off - bulb on ventral surface	EPC	2
RV0A-159a	8C82-3		Prismatic blade	Medial	Final-stage blade; distal end highly flaked; fracture at proximal end	EPC	
RV0A-271b	8D71-2		Prismatic blade	Medial	Final-stage blade; small flake scars on dorsal surface	EPC	Patio
RV0A-274a	8D75-1		Prismatic blade	Medial	Final-stage blade; small, partial snap fracture on distal end of dorsal surface	EPC	Patio
RV0A-275a	8D75-2		Prismatic blade	Medial	Final-stage blade; partial snap tabs on proximal and distal ends of ventral surface	EPC	Patio

Table A.05 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-276a	8D79-2		Prismatic blade	Medial	Final-stage blade; fractures on right lateral margin	EPC	1
RV0A-276b	8D79-2		Prismatic blade	Medial	Final-stage blade; flake out of ventral surface - broke into two pieces	EPC	1
RV0A-017a	9 - Multi		Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of ventral surface		
RV0A-048a	99 - multi		Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface		
RV0A-048b	99 - multi		Prismatic blade	Medial	Final-stage blade		
RV0A-167d	9C82-4		Prismatic blade	Medial	Final-stage blade; partial snap tabs on proximal and distal ends of dorsal surface	LC-EPC	
RV0A-012c	9D67-1		Prismatic blade	Medial	Final-stage blade	EPC	Patio
RV0A-012d	9D67-1		Prismatic blade	Medial	Final-stage blade	EPC	Patio
RV0A-279a	9D68-1		Prismatic blade	Medial	Final-stage blade	EPC	Patio
RV0A-281a	9D68-4		Prismatic blade	Medial	Final-stage blade; fractured on proximal and distal ends	EPC	Patio
RV0A-285a	9D70-1		Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	EPC	Patio
RV0A-286b	9D71-2	Burial 41	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	Patio
RV0A-293a	9D73-1		Prismatic blade	Medial	Final-stage blade; flake scars on dorsal and ventral surfaces	EPC	Patio
RV0A-296b	9D74-2		Prismatic blade	Medial	Final-stage blade	EPC	Patio
RV0A-298b	9D75-2		Prismatic blade	Medial	Final-stage blade; fractured on proximal end	EPC	Patio
RV0A-298c	9D75-2		Prismatic blade	Medial	Final-stage blade	EPC	Patio

Table A.05 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-299b	9D76-2		Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	EPC	Patio
RV0A-299a	9D76-2		Prismatic blade	Medial	Final-stage blade	EPC	Patio
RV0A-170a	0D74-5		Prismatic blade	Medial	Final-stage blade; proximal end flaked	EPC	Patio
RV0A-174a	0D80-2		Prismatic blade	Medial	Final-stage blade; partial snap fracture on proximal end of dorsal surface	EPC*	
RV0A-176b	0D81-3		Prismatic blade	Medial	Final-stage blade; partial snap fracture on distal end of ventral surface	EPC	
RV0A-186a	0D85-12		Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of dorsal surface	LC	
RV0A-182c	0D85-2		Prismatic blade	Medial	Final-stage blade	EPC	
RV0A-184a	0D85-4		Prismatic blade	Medial	Final-stage blade	LC-EPC	
RV0A-185a	0D85-6		Prismatic blade	Medial	Final-stage blade; snap tab on distal end of dorsal surface	LC-EPC	
RV0A-188c	0D86-4		Prismatic blade	Medial	Final-stage blade; snap tabs on proximal and distal ends of dorsal surface	LC-EPC	
RV0A-302a	0E68-3		Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	EPC	Patio
RV0A-302b	0E68-3		Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of dorsal surface	EPC	Patio
RV0A-302c	0E68-3		Prismatic blade	Medial	Final-stage blade	EPC	Patio
RV0A-302d	0E68-3		Prismatic blade	Medial	Final-stage blade	EPC	Patio
RV0A-303a	0E69-1		Prismatic blade	Medial	Final-stage blade; partial snap tabs on proximal end of ventral surface and distal end of dorsal surface	EPC	Patio
RV0A-304a	0E69-2		Prismatic blade	Medial	Final-stage blade; snap tab on distal end of dorsal surface	EPC	Patio

Table A.05 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-308a	0E71-6	Burial 41	Prismatic blade	Medial	Final-stage blade	EPC	Patio
RV0A-308b	0E71-6	Burial 41	Prismatic blade	Medial	Final-stage blade	EPC	Patio
RV0A-309b	0E72-1	Burial 41	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	EPC	Patio
RV0A-310a	0E72-3	Burial 41	Prismatic blade	Medial	Final-stage blade	EPC	Patio
RV0A-310c	0E72-3	Burial 41	Prismatic blade	Medial	Final-stage blade	EPC	Patio
RV0A-311c	0E73-2		Prismatic blade	Medial	Final-stage blade	EPC	Patio
RV0A-314a	0E76-2		Prismatic blade	Medial	Final-stage blade; fractured on proximal and distal ends	EPC	Patio
RV0A-049a	101 - multi		Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface		
RV0A-193a	1D75-6	Burial 39	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	Patio
RV0A-194a	1D75-8	Burial 39	Prismatic blade	Medial	Final-stage blade	EPC	Patio
RV0A-201a	1D81-25		Prismatic blade	Medial	Final-stage blade; snap tab on distal end of ventral surface	EPC	1
RV0A-202a	1D81-27		Prismatic blade	Medial	Final-stage blade; partial snap tab on distal end of dorsal surface	EPC	1
RV0A-205b	1D83-4	MU 18; Burial 36	Prismatic blade	Medial	Final-stage blade; snap fractures on proximal end of dorsal surface and distal end of ventral surface		
RV0A-206a	1D83-6	MU 18; Burial 36	Prismatic blade	Medial	Final-stage blade		
RV0A-320b	1E71-2		Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	EPC	Patio
RV0A-326a	1E76-2		Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of dorsal surface	EPC	Patio

Table A.05 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-328a	1E77-2		Prismatic blade	Medial	Final-stage blade	EPC	1
RV0A-211e	2D78-4		Prismatic blade	Medial	Final-stage blade	EPC	1
RV0A-218b	2D81-14		Prismatic blade	Medial	Final-stage blade; previous blade scar on dorsal surface; very flaked lateral margins	EPC	1
RV0A-333a	2E76-3		Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	Patio
RV0A-026a	35 - multi	Burial 41	Prismatic blade	Medial	Final-stage blade; fractured on proximal end; snap fracture on distal end of dorsal surface	EPC	Patio
RV0A-026b	35 - multi	Burial 41	Prismatic blade	Medial	Final-stage blade	EPC	Patio
RV0A-026c	35 - multi	Burial 41	Prismatic blade	Medial	Final-stage blade	EPC	Patio
RV0A-026d	35 - multi	Burial 41	Prismatic blade	Medial	Final-stage blade; small snap tab on distal end of ventral surface	EPC	Patio
RV0A-222a	3D78-1		Prismatic blade	Medial	Final-stage blade	EPC	1
RV0A-224b	3D81-3		Prismatic blade	Medial	Final-stage blade; fractured along one lateral margin	EPC	1
RV0A-340a	3E73-2		Prismatic blade	Medial	Final-stage blade; partial snap fracture on distal end of dorsal surface	EPC	Patio
RV0A-340b	3E73-2		Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of dorsal surface	EPC	Patio
RV0A-346b	3E80-6		Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of ventral surface	EPC	2
RV0A-346c	3E80-6		Prismatic blade	Medial	Final-stage blade; probably near proximal end w/ platform fractured off	EPC	2
RV0A-346d	3E80-6		Prismatic blade	Medial	Final-stage blade; proximal end fractured off	EPC	2
RV0A-351a	3E81-13		Prismatic blade	Medial	Final-stage blade	EPC	2

Table A.05 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-352a	3E81-14		Prismatic blade	Medial	Final-stage blade; partial snap tab on distal end of ventral surface	EPC	2
RV0A-353a	3E81-15		Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	EPC	2
RV0A-350a	3E81-8		Prismatic blade	Medial	Final-stage blade	EPC	2
RV0A-028a	41 - multi		Prismatic blade	Medial	Final-stage blade		
RV0A-028b	41 - multi		Prismatic blade	Medial	Final-stage blade; small snap tab on proximal end of ventral surface; small snap fracture on distal end of dorsal surface		
RV0A-030a	47 - multi		Prismatic blade	Medial	Final-stage blade; partial snap fracture on proximal end of ventral surface		
RV0A-231a	4D79-1		Prismatic blade	Medial	Final-stage blade; snap tab on distal end of dorsal surface; small snap fracture on proximal end of dorsal surface	EPC	1
RV0A-232a	4D80-2		Prismatic blade	Medial	Final-stage blade	EPC	1
RV0A-236a	4D84-2		Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	3
RV0A-356b	4E75-3		Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	Patio
RV0A-370a	4F15-3		Prismatic blade	Medial	Final-stage blade	EPC	
RV0A-031a	50 - multi		Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of ventral surface		
RV0A-031b	50 - multi		Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface		
RV0A-034a	55 - multi		Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface; snap tab on distal end of ventral surface		
RV0A-034b	55 - multi		Prismatic blade	Medial	Final-stage blade		

Table A.05 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-050a	5C55-3		Prismatic blade	Medial	Final-stage blade; fractured length-wise along arrises	EPC*	
RV0A-051a	5C56-2		Prismatic blade	Medial	Final-stage blade	EPC*	
RV0A-052a	5C56-3		Prismatic blade	Medial	Final-stage blade	EPC*	
RV0A-052b	5C56-3		Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	EPC*	
RV0A-053a	5C58-5		Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of ventral surface	LTF	
RV0A-060a	5C65-12		Prismatic blade	Medial	Final-stage blade; partial snap fracture on distal end of ventral surface	LTF	
RV0A-061a	5C65-15		Prismatic blade	Medial	Final-stage blade	LTF	
RV0A-062a	5C65-16		Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of ventral surface; snap fracture on distal end of dorsal surface	LTF	
RV0A-063a	5C65-18		Prismatic blade	Medial	Final-stage blade	LTF	
RV0A-058a	5C65-3		Prismatic blade	Medial	Final-stage blade	EPC	
RV0A-070a	5C65-9		Prismatic blade	Medial	Final-stage blade; partial snap tab on distal end of ventral surface	LTF	
RV0A-070b	5C65-9		Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of ventral surface	LTF	
RV0A-073a	5C66-11		Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	
RV0A-076a	5C66-15		Prismatic blade	Medial	Final-stage blade; snap tab on distal end of dorsal surface; snap fracture on proximal end of ventral surface	EPC	
RV0A-077a	5C66-16		Prismatic blade	Medial	Final-stage blade; snap fractures on proximal end of dorsal surface and distal end of ventral surface	EPC	

Table A.05 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-077b	5C66-16		Prismatic blade	Medial	Final-stage blade	EPC	
RV0A-077c	5C66-16		Prismatic blade	Medial	Final-stage blade	EPC	
RV0A-077d	5C66-16		Prismatic blade	Medial	Final-stage blade	EPC	
RV0A-077f	5C66-16		Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	EPC	
RV0A-078b	5C66-19		Prismatic blade	Medial	Final-stage blade	LTF	
RV0A-079a	5C66-19		Prismatic blade	Medial	Final-stage blade	LTF	
RV0A-079c	5C66-19		Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	LTF	
RV0A-067a	5C66-2		Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	
RV0A-080c	5C66-20		Prismatic blade	Medial	Final-stage blade; partial snap fracture on proximal end of ventral surface	LTF	
RV0A-069a	5C66-6		Prismatic blade	Medial	Final-stage blade; fractured at distal end	EPC	
RV0A-071a	5C66-7		Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of ventral surface	EPC	
RV0A-088b	5C69-10		Prismatic blade	Medial	Final-stage blade	LTF	
RV0A-089a	5C69-11		Prismatic blade	Medial	Final-stage blade	LTF	
RV0A-089b	5C69-11		Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface; snap tab on distal end of dorsal surface	LTF	
RV0A-090a	5C69-12		Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	LTF	

Table A.05 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-082a	5C69-3		Prismatic blade	Medial	Final-stage blade; several flake scars on ventral surface; snap fracture on distal end of dorsal surface	EPC	
RV0A-082b	5C69-3		Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	EPC	
RV0A-083a	5C69-5		Prismatic blade	Medial	Final-stage blade; snap tab on distal end of dorsal surface	EPC	
RV0A-083b	5C69-5		Prismatic blade	Medial	Final-stage blade	EPC	
RV0A-086a	5C69-8		Prismatic blade	Medial	Final-stage blade	LTF	
RV0A-096a	5C70-13		Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of dorsal surface	LTF	
RV0A-091a	5C70-3		Prismatic blade	Medial	Final-stage blade; snap tabs on proximal and distal ends of dorsal surface	EPC	
RV0A-091b	5C70-3		Prismatic blade	Medial	Final-stage blade	EPC	
RV0A-092a	5C70-4		Prismatic blade	Medial	Final-stage blade	EPC	
RV0A-093a	5C70-6		Prismatic blade	Medial	Final-stage blade	LTF	
RV0A-094a	5C70-7		Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of dorsal surface	LTF	
RV0A-094b	5C70-7		Prismatic blade	Medial	Final-stage blade	LTF	
RV0A-095a	5C70-8		Prismatic blade	Medial	Final-stage blade; small snap fracture on proximal end of dorsal surface	LTF	
RV0A-095b	5C70-8		Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of ventral surface	LTF	
RV0A-095c	5C70-8		Prismatic blade	Medial	Final-stage blade	LTF	
RV0A-095d	5C70-8		Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	LTF	

Table A.05 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-095e	5C70-8		Prismatic blade	Medial	Final-stage blade	LTF	
RV0A-103a	5C72-10		Prismatic blade	Medial	Final-stage blade	EPC	
RV0A-104a	5C72-12		Prismatic blade	Medial	Final-stage blade	LC	
RV0A-104b	5C72-12		Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	LC	
RV0A-098b	5C72-5		Prismatic blade	Medial	Final-stage blade	EPC	
RV0A-098c	5C72-5		Prismatic blade	Medial	Final-stage blade	EPC	
RV0A-098d	5C72-5		Prismatic blade	Medial	Final-stage blade; snap fractures on proximal and distal ends of dorsal surface	EPC	
RV0A-099a	5C72-6		Prismatic blade	Medial	Final-stage blade; partial snap tabs on proximal and distal ends of ventral surface	EPC	
RV0A-099b	5C72-6		Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	
RV0A-100a	5C72-7		Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	
RV0A-100b	5C72-7		Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	
RV0A-100c	5C72-7		Prismatic blade	Medial	Final-stage blade; snap fractures on proximal and distal ends of dorsal surface	EPC	
RV0A-101b	5C72-8		Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	
RV0A-109b	5C74-7		Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface; snap fracture on distal end of ventral surface	EPC	5
RV0A-118a	5C77-6		Prismatic blade	Medial	Final-stage blade; very small fragment, possibly from snapping a blade into segments	EPC	5
RV0A-122b	5C79-3		Prismatic blade	Medial	Final-stage blade	EPC	

Table A.05 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-124d	5C79-7		Prismatic blade	Medial	Final-stage blade	LC-EPC	
RV0A-125a	5C79-8		Prismatic blade	Medial	Final-stage blade	LC	
RV0A-129b	5C80-2		Prismatic blade	Medial	Final-stage blade; one lateral margin flaked off; partial snap fracture on proximal end of dorsal surface	EPC*	
RV0A-132a	5C80-5		Prismatic blade	Medial	Final-stage blade; snap tabs on proximal and distal ends of dorsal surface	LC-EPC	
RV0A-133a	5C80-6		Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	LC-EPC	
RV0A-136a	5C81-2		Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	
RV0A-137a	5C87-3		Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	LC-EPC	
RV0A-138a	5C87-4		Prismatic blade	Medial	Final-stage blade	LC-EPC	
RV0A-144a	5C88-12		Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface; flake scars on ventral surface	LTF	
RV0A-143a	5C88-4		Prismatic blade	Medial	Final-stage blade	LC-EPC	
RV0A-241c	5D79-1		Prismatic blade	Medial	Final-stage blade	EPC	1
RV0A-242a	5D80-1		Prismatic blade	Medial	Final-stage blade; partial snap fracture on distal end of dorsal surface	EPC	1
RV0A-243a	5D81-2		Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of dorsal surface	EPC	1
RV0A-035a	60 - multi		Prismatic blade	Medial	Final-stage blade; small snap fracture on proximal end of dorsal surface		
RV0A-039a	63 - multi		Prismatic blade	Medial	Final-stage blade; lots of flake scars		

Table A.05 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-039c	63 - multi		Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface		
RV0A-040b	64 - Multi		Prismatic blade	Medial	Final-stage blade		
RV0A-040c	64 - Multi		Prismatic blade	Medial	Final-stage blade		
RV0A-040f	64 - Multi		Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of ventral surface		
RV0A-043a	65 - multi		Prismatic blade	Medial	Final-stage blade		
RV0A-043b	65 - multi		Prismatic blade	Medial	Final-stage blade		
RV0A-044a	68 - multi		Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of ventral surface		
RV0A-146a	6C75-4		Prismatic blade	Medial	Final-stage blade; snap tab on distal end of dorsal surface	EPC	5
RV0A-147b	6C76-3		Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of ventral surface	EPC	5
RV0A-148a	6C76-6		Prismatic blade	Medial	Final-stage blade	EPC	5
RV0A-150c	6C77-3		Prismatic blade	Medial	Final-stage blade; partial snap tab on distal end of dorsal surface	EPC	5
RV0A-151a	6C77-6		Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	5
RV0A-151c	6C77-6		Prismatic blade	Medial	Final-stage blade; very large; contains blade scar of previous blade along left lateral margin; snap fracture on distal end of dorsal surface; outré passé curve	EPC	5
RV0A-152c	6C79-3		Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of ventral surface	EPC	
RV0A-250a	6D81-2		Prismatic blade	Medial	Final-stage blade; fractured along right lateral margin	EPC	1

Table A.05 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-251b	6D84-2		Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	EPC	3
RV0A-360a	6E81-6		Prismatic blade	Medial	Final-stage blade		
RV0A-045a	72 - multi		Prismatic blade	Medial	Final-stage blade; flaked around entire perimeter of blade		
RV0A-155a	7C81-4		Prismatic blade	Medial	Final-stage blade; partial snap fracture on proximal end of dorsal surface		
RV0A-255a	7D72-1		Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	Patio
RV0A-258b	7D74-5		Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	EPC	Patio
RV0A-263a	7D80-4		Prismatic blade	Medial	Final-stage blade; snap fractures on proximal and distal ends of ventral surface	EPC	1
RV0A-265a	7D80-6		Prismatic blade	Medial	Final-stage blade; fractured on lateral margins	EPC	1
RV0A-268a	7D81-13		Prismatic blade	Medial	Final-stage blade	EPC	1
RV0A-266b	7D81-4		Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	EPC	1
RV0A-267a	7D81-9		Prismatic blade	Medial	Final-stage blade	EPC	1
RV0A-269a	7D83-2		Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface		
RV0A-269d	7D83-2		Prismatic blade	Medial	Final-stage blade; partial snap tab on distal end of ventral surface		
RV0A-368a	7E81-6		Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	EPC	2
RV0A-157b	8C81-2		Prismatic blade	Medial	Final-stage blade	EPC	
RV0A-159b	8C82-3		Prismatic blade	Medial	Final-stage blade; slightly wedge-shaped - probably midsection of snapping blade into segments	EPC	

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Table A.05 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-270a	8D71-1		Prismatic blade	Medial	Final-stage blade; lateral margins fractured	EPC	Patio
RV0A-271a	8D71-2		Prismatic blade	Medial	Final-stage blade; left lateral margin fractured off	EPC	Patio
RV0A-272a	8D72-1		Prismatic blade	Medial	Final-stage blade	EPC	Patio
RV0A-272b	8D72-1		Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	Patio
RV0A-276c	8D79-2		Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface; fractured on distal end	EPC	1
RV0A-167a	9C82-4		Prismatic blade	Medial	Final-stage blade; partial snap fracture on proximal end of dorsal surface	LC-EPC	
RV0A-167b	9C82-4		Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	LC-EPC	
RV0A-168a	9C82-8		Prismatic blade	Medial	Final-stage blade; small snap fracture on proximal end of ventral surface	LC-EPC	
RV0A-169a	9C82-9		Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	LC	
RV0A-012b	9D67-1		Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface; snap tab on proximal end of dorsal surface	EPC	Patio
RV0A-012e	9D67-1		Prismatic blade	Medial	Final-stage blade; wedge-shaped - probably from snapping segments off a larger blade	EPC	Patio
RV0A-278a	9D67-2		Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	Patio
RV0A-280a	9D68-2		Prismatic blade	Medial	Final-stage blade	EPC	Patio
RV0A-282a	9D69-1		Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of ventral surface	EPC	Patio
RV0A-283a	9D69-2		Prismatic blade	Medial	Final-stage blade; partial snap fracture on distal end of ventral surface	EPC	Patio
RV0A-284a	9D69-3		Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	EPC	Patio

Table A.05 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-288a	9D71-6	Burial 41	Prismatic blade	Medial	Final-stage blade; fractured on proximal and distal ends	EPC	Patio
RV0A-288b	9D71-6	Burial 41	Prismatic blade	Medial	Final-stage blade; partial snap fracture on distal end of ventral surface	EPC	Patio
RV0A-289b	9D72-2	Burial 41	Prismatic blade	Medial	Final-stage blade	EPC	Patio
RV0A-289c	9D72-2	Burial 41	Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of dorsal surface	EPC	Patio
RV0A-291c	9D72-5	Burial 41	Prismatic blade	Medial	Final-stage blade - striae developed on ventral surface	EPC	Patio
RV0A-292a	9D72-6	Burial 41	Prismatic blade	Medial	Final-stage blade; partial snap fracture on distal end of dorsal surface	EPC	Patio
RV0A-292b	9D72-6	Burial 41	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of ventral surface	EPC	Patio
RV0A-292c	9D72-6	Burial 41	Prismatic blade	Medial	Final-stage blade	EPC	Patio
RV0A-297a	9D74-3		Prismatic blade	Medial	Final-stage blade	EPC	Patio
RV0A-299c	9D76-2		Prismatic blade	Medial	Final-stage blade	EPC	Patio
RV0A-300a	9D76-3		Prismatic blade	Medial	Final-stage blade; fractured on proximal and distal ends	EPC	Patio
RV0A-335a	2E79-2		Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	EPC	1
RV0A-249b	6D81-1		Prismatic blade	Medial	Final-stage blade	EPC	1
RV0A-065b	5C65-22		Prismatic blade	Proximal	Final-stage blade; ground platform	LTF	
RV0A-102b	5C72-9		Prismatic blade	Proximal	Final-stage blade; ground platform	EPC	
RV0A-172a	0D75-2	Burial 38, 39	Prismatic blade	Proximal	Final-stage blade; ground platform; snap tab on distal end of dorsal surface	EPC	Patio

Table A.05 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-176a	0D81-3		Prismatic blade	Proximal	Final-stage blade; ground platform	EPC	
RV0A-310b	0E72-3	Burial 41	Prismatic blade	Proximal	Final-stage blade; ground platform	EPC	Patio
RV0A-322a	1E72-4		Prismatic blade	Proximal	Final-stage blade; ground platform	EPC	Patio
RV0A-235c	4D83-2		Prismatic blade	Proximal	Final-stage blade; ground platform		
RV0A-241b	5D79-1		Prismatic blade	Proximal	Final-stage blade; ground platform	EPC	1
RV0A-244b	5D81-4		Prismatic blade	Proximal	Final-stage blade; ground platform	EPC	1
RV0A-269c	7D83-2		Prismatic blade	Proximal	Final-stage blade; ground platform		
RV0A-269b	7D83-2		Prismatic blade	Proximal	Final-stage blade; ground platform		
RV0A-163a	9C81-3		Prismatic blade	Proximal	Final-stage blade; ground platform; snap fracture on distal end of dorsal surface	EPC	
RV0A-165a	9C82-2		Prismatic blade	Proximal	Final-stage blade; ground platform; overhang removal	EPC*	
RV0A-296a	9D74-2		Prismatic blade	Proximal	Final-stage blade; ground platform; large snap tab on distal end of ventral surface	EPC	Patio
RV0A-177b	0D81-4		Prismatic blade	Proximal	Final-stage blade; ground platform	EPC	
RV0A-179a	0D82-2		Prismatic blade	Proximal	Final-stage blade; ground platform; overhang removal; platform angled left of lateral margins	EPC	
RV0A-007a	0D85-9		Prismatic blade	Proximal	Final-stage blade; ground platform; small snap fracture on distal end of ventral surface	LC	
RV0A-306a	0E71-1	Burial 41	Prismatic blade	Proximal	Final-stage blade; ground platform	EPC	Patio
RV0A-312a	0E75-1		Prismatic blade	Proximal	Final-stage blade; ground platform	EPC	Patio

Table A.05 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-313a	0E76-1		Prismatic blade	Proximal	Final-stage blade; ground platform	EPC	Patio
RV0A-022a	16 - multi		Prismatic blade	Proximal	Final-stage blade; ground platform		
RV0A-321b	1E72-1		Prismatic blade	Proximal	Final-stage blade; ground platform; minimal overhang removal	EPC	Patio
RV0A-209a	2D75-2		Prismatic blade	Proximal	Final-stage blade; ground platform	EPC	Patio
RV0A-211a	2D78-4		Prismatic blade	Proximal	Final-stage blade; ground platform; snap tab on distal end of dorsal surface	EPC	1
RV0A-215a	2D81-10		Prismatic blade	Proximal	Final-stage blade; ground platform; partial snap fracture on distal end of ventral surface	EPC	1
RV0A-217a	2D81-12		Prismatic blade	Proximal	Final-stage blade; ground platform	EPC	1
RV0A-218a	2D81-14		Prismatic blade	Proximal	Final-stage blade; ground platform; partial snap fracture on distal end of ventral surface	EPC	1
RV0A-332a	2E71-1		Prismatic blade	Proximal	Final-stage blade; ground platform; snap tab on distal end of dorsal surface	EPC	Patio
RV0A-223a	3D81-2		Prismatic blade	Proximal	Final-stage blade; ground platform	EPC	1
RV0A-346a	3E80-6		Prismatic blade	Proximal	Final-stage blade; small platform - not ground or scored	EPC	2
RV0A-227a	4D76-2		Prismatic blade	Proximal	Final-stage blade; ground platform; small snap fracture on distal end of ventral surface	EPC	Patio
RV0A-227c	4D76-2		Prismatic blade	Proximal	Final-stage blade; platform crushed; large flake removed on dorsal surface from proximal end	EPC	Patio
RV0A-237a	4D87-1		Prismatic blade	Proximal	Final-stage blade; ground platform; fractured along left lateral margin; several flake scars on dorsal surface	EPC	3
RV0A-056c	5C62-1		Prismatic blade	Proximal	Final-stage blade; platform crushed	EPC*	

Table A.05 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-066a	5C65-23		Prismatic blade	Proximal	Final-stage blade; ground platform	LTF	
RV0A-106a	5C73-3		Prismatic blade	Proximal	Final-stage blade; platform not ground or scored	EPC	
RV0A-108a	5C74-3		Prismatic blade	Proximal	Final-stage blade; ground platform; small snap fracture on distal end of dorsal surface	EPC*	5
RV0A-123b	5C79-5		Prismatic blade	Proximal	Final-stage blade; ground platform	EPC	
RV0A-240a	5D78-1		Prismatic blade	Proximal	Final-stage blade; small platform - not ground or scored	EPC	1
RV0A-244a	5D81-4		Prismatic blade	Proximal	Final-stage blade; ground platform	EPC	1
RV0A-040e	64 - Multi		Prismatic blade	Proximal	Final-stage blade; ground platform		
RV0A-042a	65 - multi		Prismatic blade	Proximal	Final-stage blade; ground platform; step fracture on right lateral margin just below platform		
RV0A-147d	6C76-4		Prismatic blade	Proximal	Final-stage blade; ground platform	EPC	5
RV0A-150f	6C77-3		Prismatic blade	Proximal	Final-stage blade; ground platform	EPC	5
RV0A-150g	6C77-3		Prismatic blade	Proximal	Final-stage blade; ground platform	EPC	5
RV0A-151b	6C77-6		Prismatic blade	Proximal	Final-stage blade; ground platform; snap tab on distal end of dorsal surface	EPC	5
RV0A-153a	6C81-3		Prismatic blade	Proximal	Final-stage blade; ground platform; partial snap tab on distal end of ventral surface	LC-EPC	
RV0A-247a	6D78-4		Prismatic blade	Proximal	Final-stage blade; crushed platform	EPC	1
RV0A-257a	7D73-2		Prismatic blade	Proximal	Final-stage blade; ground platform; snap fracture on distal end	EPC	Patio
RV0A-261b	7D78-3		Prismatic blade	Proximal	Final-stage blade; ground platform	EPC	1

Table A.05 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-262b	7D78-5		Prismatic blade	Proximal	Final-stage blade; ground platform	EPC	1
RV0A-362a	7E75-2		Prismatic blade	Proximal	Final-stage blade; ground platform; bottom half of right lateral margin fractured off	EPC	2
RV0A-363a	7E76-1		Prismatic blade	Proximal	Final-stage blade; ground platform; snap tab on distal end of dorsal surface	EPC	2
RV0A-161a	9C75-1		Prismatic blade	Proximal	Final-stage blade; ground platform; possible overhang removal - small flakes removed from proximal end	EPC	5
RV0A-162a	9C75-5		Prismatic blade	Proximal	Final-stage blade; ground platform; partial snap tab on distal end of ventral surface	EPC	5
RV0A-298a	9D75-2		Prismatic blade	Proximal	Final-stage blade; ground platform	EPC	Patio
RV0A-172d	0D75-2	Burial 38, 39	Prismatic blade	Proximal	Final-stage blade; platform not ground or scored	EPC	Patio
RV0A-175a	0D81-1		Prismatic blade	Proximal	Final-stage blade; ground platform	EPC*	
RV0A-176d	0D81-3		Prismatic blade	Proximal	Final-stage blade; platform slightly scored and crushed on dorsal and ventral surfaces; snap fracture on distal end	EPC	
RV0A-188b	0D86-4		Prismatic blade	Proximal	Final-stage blade; small platform - not ground or scored	LC-EPC	
RV0A-307a	0E71-4	Burial 41	Prismatic blade	Proximal	Final-stage blade; platform slightly scored; snap tab on distal end of ventral surface	EPC	Patio
RV0A-311a	0E73-2		Prismatic blade	Proximal	Final-stage blade; platform not ground or scored; dorsal edge of platform crushed	EPC	Patio
RV0A-191a	1D75-1	Burial 39	Prismatic blade	Proximal	Final-stage blade; small platform - slightly scored	EPC	Patio
RV0A-323a	1E73-1		Prismatic blade	Proximal	Final-stage blade; platform crushed; snap fracture on distal end of dorsal surface	EPC	Patio
RV0A-213a	2D81-4		Prismatic blade	Proximal	Final-stage blade; ground platform; snap fracture on distal end	EPC	1

Table A.05 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-224a	3D81-3		Prismatic blade	Proximal	Final-stage blade; slightly scored platform	EPC	1
RV0A-227b	4D76-2		Prismatic blade	Proximal	Final-stage blade; platform slightly scored	EPC	Patio
RV0A-228b	4D78-1		Prismatic blade	Proximal	Final-stage blade; platform slightly scored	EPC	1
RV0A-229a	4D78-2		Prismatic blade	Proximal	Final-stage blade; platform not ground or scored; snap fracture on distal end of dorsal surface	EPC	1
RV0A-064a	5C65-21		Prismatic blade	Proximal	Final-stage blade; platform not ground or scored	LTF	
RV0A-059b	5C65-4		Prismatic blade	Proximal	Final-stage blade; platform slightly scored	EPC	
RV0A-077e	5C66-16		Prismatic blade	Proximal	Final-stage blade; platform not ground or scored	EPC	
RV0A-085a	5C69-7		Prismatic blade	Proximal	Final-stage blade; platform very slightly scored	LTF	
RV0A-087a	5C69-9		Prismatic blade	Proximal	Final-stage blade; platform not ground or scored; snap tab on distal end of dorsal surface	LTF	
RV0A-087b	5C69-9		Prismatic blade	Proximal	Final-stage blade; platform not ground or scored	LTF	
RV0A-094c	5C70-7		Prismatic blade	Proximal	Final-stage blade; small platform - not ground or scored	LTF	
RV0A-098a	5C72-5		Prismatic blade	Proximal	Final-stage blade; slightly scored platform; small overhang flakes removed; snap fracture on distal end of dorsal surface	EPC	
RV0A-111a	5C74-11		Prismatic blade	Proximal	Final-stage blade; platform scored	EPC	5
RV0A-113a	5C75-6		Prismatic blade	Proximal	Final-stage blade; platform not ground or scored; small snap tab on distal end of dorsal surface	EPC	5

Table A.05 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0A-124b	5C79-7		Prismatic blade	Proximal	Final-stage blade; small platform - not ground or scored	LC-EPC	
RV0A-040i	64 - Multi		Prismatic blade	Proximal	Final-stage blade; slightly scored platform		
RV0A-147a	6C76-3		Prismatic blade	Proximal	Final-stage blade; platform crushed	EPC	5
RV0A-147b	6C76-4		Prismatic blade	Proximal	Final-stage blade; slightly scored platform	EPC	5
RV0A-261a	7D78-3		Prismatic blade	Proximal	Final-stage blade; small platform - not ground or scored	EPC	1
RV0A-158c	8C81-5		Prismatic blade	Proximal	Final-stage blade; platform not ground or scored	LC-EPC	
RV0A-012a	9D67-1		Prismatic blade	Proximal	Final-stage blade; ground platform; snap fracture on distal end of dorsal surface	EPC	Patio
RV0A-286a	9D71-2	Burial 41	Prismatic blade	Proximal	Final-stage blade; dorsal edge of platform crushed; snap fracture on distal end of dorsal surface	EPC	Patio
RV0A-287a	9D71-4	Burial 41	Prismatic blade	Proximal	Final-stage blade; platform not ground or scored; small snap tab on distal end of dorsal surface	EPC	Patio
RV0A-295a	9D73-4		Prismatic blade	Proximal	Final-stage blade; very proximal end broken off - slight outward curve on proximal end	EPC	Patio
RV0A-010a	6D87-1		Projectile point		Projectile point fragment; distal end snapped off - snap fracture on distal end of dorsal surface; point intact; no stem or notches; may have been prismatic blade, but flaked on entirety of dorsal and ventral surfaces	EPC	3

Table A.06 RVOA artifact measurements

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RVOA-116a	1	Gray	19.05	13.80	5.30	1.32	
RVOA-088d	1	Black	18.63	8.35	6.88	0.97	
RVOA-132e	1	Clear	11.90	8.18	4.89	0.37	
RVOA-187a	1	Gray	17.29	7.19	6.00	0.53	
RVOA-049b	1	Gray	14.45	11.93	6.66	0.71	
RVOA-021a	1	Gray	12.07	11.24	3.80	0.54	
RVOA-194c	1	Gray	11.23	7.07	4.24	0.20	
RVOA-198a	1	Gray	10.35	7.64	3.36	0.23	
RVOA-324b	1	Gray	25.07	10.52	5.19	1.31	
RVOA-329a	1	Gray	33.91	26.22	11.59	8.93	
RVOA-211c	1	Gray	16.68	11.91	8.39	1.19	
RVOA-214a	1	Gray	17.76	10.25	5.63	1.07	
RVOA-354a	1	Gray	14.69	11.02	5.66	0.67	
RVOA-354b	1	Gray	11.94	11.84	5.96	0.79	
RVOA-115b	1	Gray	22.23	13.46	6.91	1.75	
RVOA-119a	1	Gray	12.75	15.02	6.43	1.20	
RVOA-239b	1	Gray	14.23	5.79	4.51	0.45	
RVOA-150m	1	Gray	9.19	8.99	3.21	0.16	
RVOA-253e	1	Gray	7.11	6.06	4.60	0.20	
RVOA-184b	1	Green	10.60	8.65	4.00	0.29	
RVOA-294a	1	Green	18.92	14.45	5.79	1.46	
RVOA-006a	1	Gray	32.18	9.33	9.56	3.87	
RVOA-039g	1	Gray	20.92	13.15	10.62	1.95	
RVOA-174c	1	Clear	6.56	8.53	1.66	0.09	
RVOA-177d	1	Clear	11.71	10.09	2.54	0.28	
RVOA-180b	1	Clear	17.52	14.27	5.16	1.00	
RVOA-183a	1	Clear	12.43	7.75	1.37	0.17	
RVOA-348a	1	Clear	26.27	27.70	5.08	3.00	
RVOA-111b	1	Clear	10.01	7.97	1.87	0.16	
RVOA-131b	1	Clear	13.62	15.66	2.74	0.53	
RVOA-132b	1	Clear	17.71	10.89	4.04	0.68	
RVOA-238b	1	Clear	7.74	10.33	1.02	0.07	
RVOA-172e	1	Gray	6.67	11.88	2.23	0.10	
RVOA-174b	1	Gray	9.64	10.10	4.19	0.38	
RVOA-181a	1	Gray	12.03	15.69	1.37	0.28	
RVOA-190a	1	Gray	15.24	17.89	5.94	1.41	
RVOA-307b	1	Gray	13.29	10.30	1.98	0.22	
RVOA-308c	1	Gray	19.42	16.94	3.13	1.27	
RVOA-022b	1	Gray	13.29	14.93	3.31	0.70	
RVOA-191b	1	Gray	14.73	13.13	3.10	0.45	
RVOA-192a	1	Gray	12.50	10.44	1.25	0.25	
RVOA-194b	1	Gray	12.26	12.82	4.66	0.67	
RVOA-199a	1	Gray	7.76	8.37	1.32	0.08	
RVOA-008b	1	Gray	14.88	13.08	1.54	0.34	
RVOA-318a	1	Gray	12.23	12.11	1.86	0.30	

Table A.06 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV0A-319b	1	Gray	16.36	9.39	3.13	0.33	
RV0A-211f	1	Gray	11.34	7.41	1.70	0.10	
RV0A-216a	1	Gray	19.24	10.85	1.58	0.47	
RV0A-344b	1	Gray	11.31	16.19	1.59	0.32	
RV0A-347a	1	Gray	14.69	7.66	1.95	0.14	
RV0A-051c	1	Gray	24.53	13.28	3.78	1.20	
RV0A-054a	1	Gray	12.22	23.66	5.06	1.33	
RV0A-072a	1	Gray	17.75	15.72	4.04	0.90	
RV0A-081a	1	Gray	24.61	23.94	7.19	2.51	
RV0A-088c	1	Gray	8.81	23.01	4.03	0.62	
RV0A-093b	1	Gray	15.76	15.69	2.01	0.44	
RV0A-104c	1	Gray	10.03	11.19	0.43	0.13	
RV0A-100d	1	Gray	11.46	7.70	1.98	0.27	
RV0A-110b	1	Gray	16.10	19.11	4.28	1.12	
RV0A-115a	1	Gray	24.14	7.02	3.32	0.38	
RV0A-117b	1	Gray	21.92	8.70	2.45	0.47	
RV0A-004a	1	Gray	14.92	17.27	3.85	0.59	
RV0A-128b	1	Gray	12.44	11.35	2.54	0.40	
RV0A-136b	1	Gray	8.09	11.14	1.98	0.14	
RV0A-145a	1	Gray	15.68	15.29	3.66	0.65	
RV0A-143b	1	Gray	10.58	15.05	2.32	0.31	
RV0A-036b	1	Gray	18.86	13.54	1.92	0.50	
RV0A-041a	1	Gray	22.76	15.65	3.78	1.66	
RV0A-040j	1	Gray	15.87	21.15	6.32	1.46	
RV0A-040k	1	Gray	16.35	10.87	2.27	0.28	
RV0A-154a	1	Gray	38.30	19.50	5.37	3.47	
RV0A-255b	1	Gray	16.11	8.53	2.39	0.26	
RV0A-168b	1	Gray	19.96	12.22	3.08	0.70	
RV0A-298d	1	Gray	17.88	8.80	0.97	0.18	
RV0A-300b	1	Gray	6.88	16.16	3.53	0.34	
RV0A-024a	1	Green	16.12	14.73	2.97	0.45	
RV0A-234a	1	Green	23.90	13.57	5.03	1.55	
RV0A-056d	1	Green	13.04	10.75	2.71	0.32	
RV0A-084b	1	Green	7.33	9.55	0.95	0.07	
RV0A-113b	1	Green	12.93	19.32	4.33	0.76	
RV0A-136c	1	Green	5.15	6.30	1.80	0.05	
RV0A-013a	1	Green	54.79	48.15	7.67	16.65	
RV0A-273a	1	Green	21.29	13.21	3.90	0.72	
RV0A-166a	1	Green	13.27	21.34	4.54	1.06	
RV0A-196a	1	Clear	29.33	6.94	3.49	0.62	
RV0A-196b	1	Clear	16.09	8.92	2.26	0.36	
RV0A-212a	1	Clear	12.44	15.83	2.17	0.38	
RV0A-220a	1	Clear	14.88	12.43	1.78	0.47	
RV0A-337a	1	Clear	10.22	12.76	2.87	0.34	
RV0A-342b	1	Clear	9.67	4.83	1.07	0.04	
RV0A-343a	1	Clear	9.38	10.39	2.66	0.24	
RV0A-226b	1	Clear	14.30	13.39	2.17	0.41	

Table A.06 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV0A-089c	1	Clear	9.01	4.78	1.30	0.03	
RV0A-094f	1	Clear	7.32	9.83	1.39	0.10	
RV0A-102c	1	Clear	14.62	10.00	2.92	0.33	
RV0A-102d	1	Clear	15.75	12.68	2.91	0.54	
RV0A-127b	1	Clear	13.20	10.23	2.48	0.20	
RV0A-125b	1	Clear	20.28	8.71	4.04	0.36	
RV0A-132d	1	Clear	13.62	10.32	4.02	0.45	
RV0A-139b	1	Clear	12.86	10.83	1.64	0.20	
RV0A-239a	1	Clear	22.27	4.23	2.47	0.21	
RV0A-243b	1	Clear	10.73	6.11	1.45	0.10	
RV0A-147c	1	Clear	13.89	9.89	1.75	0.23	
RV0A-253d	1	Clear	9.09	8.49	1.50	0.09	
RV0A-160b	1	Clear	9.23	7.66	2.93	0.15	
RV0A-285b	1	Clear	9.64	8.16	2.48	0.15	
RV0A-172f	1	Gray	16.20	18.21	7.07	1.52	
RV0A-173a	1	Gray	20.74	17.39	6.99	1.44	
RV0A-173b	1	Gray	7.72	5.40	1.35	0.04	
RV0A-178a	1	Gray	18.63	15.37	7.41	1.26	
RV0A-180c	1	Gray	12.32	8.98	1.52	0.18	
RV0A-183b	1	Gray	13.50	19.02	5.25	1.08	
RV0A-019a	1	Gray	13.28	15.31	2.51	0.44	
RV0A-192b	1	Gray	14.61	11.37	2.42	0.36	
RV0A-196c	1	Gray	9.90	5.49	1.84	0.10	
RV0A-320d	1	Gray	9.76	6.00	2.27	0.11	
RV0A-327a	1	Gray	15.94	9.88	1.93	0.26	
RV0A-210b	1	Gray	16.60	13.69	4.11	0.87	
RV0A-211b	1	Gray	8.32	10.60	2.95	0.14	
RV0A-336b	1	Gray	15.81	8.76	3.03	0.42	
RV0A-027b	1	Gray	5.81	9.09	1.70	0.10	
RV0A-027c	1	Gray	6.64	8.87	1.32	0.04	
RV0A-222b	1	Gray	13.27	11.14	2.45	0.33	
RV0A-343b	1	Gray	7.92	6.81	1.87	0.09	
RV0A-349a	1	Gray	10.35	18.94	1.60	0.23	
RV0A-346e	1	Gray	7.14	8.30	3.52	0.20	
RV0A-030b	1	Gray	9.59	10.33	3.61	0.23	
RV0A-228c	1	Gray	12.53	13.38	1.64	0.27	
RV0A-369a	1	Gray	11.70	14.55	1.72	0.19	
RV0A-032b	1	Gray	24.67	8.70	4.02	0.94	
RV0A-033b	1	Gray	11.39	10.39	1.19	0.16	
RV0A-066b	1	Gray	8.30	6.30	1.51	0.08	
RV0A-074a	1	Gray	20.56	10.46	2.73	0.67	
RV0A-074b	1	Gray	19.22	13.01	3.44	0.77	
RV0A-075a	1	Gray	11.57	8.38	1.65	0.13	
RV0A-078c	1	Gray	6.92	5.54	1.83	0.08	
RV0A-068a	1	Gray	18.05	10.32	3.24	0.51	
RV0A-085b	1	Gray	13.39	10.37	1.74	0.25	
RV0A-096b	1	Gray	11.86	7.54	1.64	0.15	

Table A.06 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV0A-094e	1	Gray	14.10	6.39	1.15	0.09	
RV0A-094d	1	Gray	23.88	15.78	5.57	1.44	
RV0A-099c	1	Gray	10.25	9.24	1.64	0.18	
RV0A-111c	1	Gray	22.24	11.39	3.91	0.73	
RV0A-111d	1	Gray	18.28	8.39	1.57	0.19	
RV0A-112b	1	Gray	7.48	6.12	1.39	0.04	
RV0A-112a	1	Gray	9.78	10.44	1.78	0.16	
RV0A-118b	1	Gray	12.23	10.82	2.69	0.40	
RV0A-126a	1	Gray	11.68	10.77	3.62	0.44	
RV0A-124c	1	Gray	11.41	7.63	2.60	0.18	
RV0A-132c	1	Gray	17.72	13.66	2.49	0.50	
RV0A-136d	1	Gray	15.69	8.07	1.86	0.22	
RV0A-136e	1	Gray	7.97	6.95	1.88	0.06	
RV0A-035b	1	Gray	11.95	9.95	3.56	0.26	
RV0A-040l	1	Gray	13.19	10.45	2.59	0.30	
RV0A-042d	1	Gray	13.92	9.36	2.19	0.24	
RV0A-149b	1	Gray	10.98	9.00	1.94	0.11	
RV0A-150l	1	Gray	10.25	7.68	3.25	0.23	
RV0A-153b	1	Gray	12.73	7.54	1.75	0.19	
RV0A-359a	1	Gray	10.65	5.58	1.97	0.13	
RV0A-046a	1	Gray	11.83	11.08	3.81	0.38	
RV0A-259b	1	Gray	8.08	5.34	2.43	0.14	
RV0A-260b	1	Gray	23.08	8.24	3.60	0.53	
RV0A-265b	1	Gray	15.16	8.04	3.03	0.37	
RV0A-158a	1	Gray	20.74	11.94	2.84	0.55	
RV0A-158b	1	Gray	11.61	9.63	1.35	0.19	
RV0A-160a	1	Gray	12.72	6.07	2.89	0.14	
RV0A-273b	1	Gray	17.40	12.64	2.86	0.57	
RV0A-047a	1	Gray	15.71	13.73	3.44	0.69	
RV0A-164a	1	Gray	12.85	9.85	3.03	0.39	
RV0A-279d	1	Gray	15.90	7.99	1.82	0.21	
RV0A-281b	1	Gray	16.51	9.10	4.74	0.55	
RV0A-282b	1	Gray	7.40	12.21	2.76	0.15	
RV0A-7a	1	Gray	7.43	6.50	1.59	0.06	
RV0A-7b	1	Gray	6.87	2.89	1.81	0.03	
RV0A-314b	1	Green	20.30	17.16	2.96	0.68	
RV0A-197b	1	Green	21.04	10.26	2.19	0.45	
RV0A-053b	1	Green	8.78	9.21	1.57	0.08	
RV0A-062b	1	Green	12.83	7.77	1.59	0.14	
RV0A-077g	1	Green	22.53	6.52	2.74	0.34	
RV0A-262d	1	Green	8.96	10.27	2.10	0.17	
RV0A-275b	1	Green	9.34	7.06	3.39	0.18	
RV0A-291d	1	Green	11.58	7.39	4.06	0.34	
			Avg	Avg	Avg		
			14.20	11.42	2.80		
RV0A-185b	1	Clear	20.49	9.37	1.76	0.43	9.53023256
RV0A-189a	1	Clear	27.28	8.44	1.88	0.54	10.1037037

Table A.06 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV0A-331a	1	Clear	15.46	6.15	2.94	0.34	9.09411765
RV0A-341b	1	Clear	14.31	10.43	3.50	0.54	5.3
RV0A-235a	1	Clear	21.58	7.95	2.88	0.46	9.3826087
RV0A-129a	1	Clear	33.41	11.15	2.74	0.93	7.18494624
RV0A-130a	1	Clear	22.71	16.83	3.47	1.42	3.19859155
RV0A-289d	1	Clear	9.46	8.88	2.73	0.22	8.6
RV0A-291a	1	Clear	23.85	8.23	2.14	0.40	11.925
RV0A-171a	1	Gray	27.42	9.87	2.44	0.64	8.56875
RV0A-176c	1	Gray	7.52	5.61	1.80	0.07	21.4857143
RV0A-312d	1	Gray	15.78	6.17	2.21	0.24	13.15
RV0A-002b	1	Gray	13.26	5.87	1.40	0.09	29.4666667
RV0A-203a	1	Gray	7.31	9.58	2.76	0.20	7.31
RV0A-325b	1	Gray	9.33	7.18	1.74	0.14	13.3285714
RV0A-025b	1	Gray	8.50	4.33	1.55	0.01	170
RV0A-229b	1	Gray	24.07	8.48	1.68	0.40	12.035
RV0A-057a	1	Gray	25.89	6.80	2.48	0.54	9.58888889
RV0A-078a	1	Gray	20.03	6.84	1.97	0.26	15.4076923
RV0A-135a	1	Gray	13.72	5.80	1.40	0.12	22.8666667
RV0A-142b	1	Gray	17.56	10.37	2.08	0.49	7.16734694
RV0A-042c	1	Gray	13.73	6.95	1.70	0.15	18.3066667
RV0A-147c	1	Gray	14.03	11.48	3.14	0.50	5.612
RV0A-262c	1	Gray	19.88	12.25	3.01	0.85	4.67764706
RV0A-366b	1	Gray	10.31	8.77	2.13	0.17	12.1294118
RV0A-291b	1	Gray	19.70	9.63	2.28	0.57	6.9122807
RV0A-301a	1	Gray	25.90	10.86	2.38	0.80	6.475
RV0A-319a	1	Green	18.54	7.39	1.58	0.19	19.5157895
RV0A-088a	1	Green	11.20	8.36	2.07	0.20	11.2
RV0A-083c	1	Green	11.48	6.22	1.68	0.10	22.96
RV0A-040d	1	Green	17.50	7.30	1.50	0.16	21.875
RV0A-150h	1	Green	12.47	7.20	1.90	0.17	14.6705882
RV0A-005a	1	Green	38.37	9.54	2.22	0.93	8.2516129
RV0A-305a	1	Black	8.37	10.51	2.09	0.23	7.27826087
RV0A-065a	1	Black	10.96	9.77	2.34	0.30	7.30666667
RV0A-101c	1	Black	14.39	11.08	1.97	0.46	6.25652174
RV0A-182b	1	Clear	9.15	7.00	1.38	0.08	22.875
RV0A-182a	1	Clear	12.69	6.68	2.14	0.21	12.0857143
RV0A-315a	1	Clear	29.84	9.12	2.56	0.99	6.02828283
RV0A-316a	1	Clear	12.07	11.13	2.70	0.37	6.52432432
RV0A-325a	1	Clear	16.59	7.56	1.70	0.30	11.06
RV0A-326b	1	Clear	13.66	8.49	2.14	0.31	8.81290323
RV0A-330a	1	Clear	6.37	8.70	2.06	0.15	8.49333333
RV0A-333b	1	Clear	9.40	7.07	2.08	0.16	11.75
RV0A-338a	1	Clear	12.61	13.19	3.08	0.49	5.14693878
RV0A-339a	1	Clear	19.56	9.82	2.98	0.61	6.41311475
RV0A-341a	1	Clear	17.89	6.43	2.62	0.35	10.2228571
RV0A-342a	1	Clear	18.24	10.53	2.59	0.57	6.4
RV0A-232b	1	Clear	12.81	7.18	2.25	0.19	13.4842105

Table A.06 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV0A-233b	1	Clear	15.57	7.88	3.24	0.50	6.228
RV0A-235b	1	Clear	12.36	8.55	2.22	0.24	10.3
RV0A-355a	1	Clear	20.71	8.86	2.74	0.66	6.27575758
RV0A-357b	1	Clear	10.35	11.65	2.80	0.33	6.27272727
RV0A-121a	1	Clear	33.46	11.90	3.22	1.27	5.26929134
RV0A-122a	1	Clear	25.26	11.97	2.30	0.82	6.16097561
RV0A-124a	1	Clear	15.46	9.01	2.31	0.33	9.36969697
RV0A-129c	1	Clear	15.28	10.07	2.40	0.40	7.64
RV0A-238a	1	Clear	23.14	8.75	2.59	0.59	7.8440678
RV0A-241a	1	Clear	32.55	14.53	3.06	1.56	4.17307692
RV0A-245a	1	Clear	19.93	7.09	1.81	0.37	10.772973
RV0A-251a	1	Clear	13.09	8.70	1.56	0.23	11.3826087
RV0A-252c	1	Clear	8.80	9.07	3.58	0.30	5.86666667
RV0A-358a	1	Clear	18.80	12.96	2.79	0.76	4.94736842
RV0A-253c	1	Clear	12.56	8.03	2.16	0.28	8.97142857
RV0A-258a	1	Clear	17.80	10.61	2.51	0.50	7.12
RV0A-264a	1	Clear	28.59	9.70	2.83	0.80	7.1475
RV0A-363b	1	Clear	18.40	11.06	2.48	0.61	6.03278689
RV0A-365a	1	Clear	27.86	10.78	3.52	1.23	4.5300813
RV0A-367a	1	Clear	15.36	7.92	1.86	0.27	11.3777778
RV0A-157a	2	Clear	19.05	9.57	1.87	0.50	7.62
RV0A-167c	1	Clear	14.61	7.83	1.85	0.22	13.2818182
RV0A-277a	1	Clear	26.48	8.10	1.82	0.45	11.7688889
RV0A-277b	1	Clear	14.15	11.84	3.23	0.70	4.04285714
RV0A-279b	1	Clear	16.70	10.87	2.25	0.46	7.26086957
RV0A-279c	1	Clear	14.37	11.01	2.26	0.47	6.11489362
RV0A-289a	1	Clear	17.01	7.89	2.38	0.31	10.9741935
RV0A-290a	1	Clear	16.52	10.43	2.21	0.44	7.50909091
RV0A-290b	1	Clear	11.55	9.78	1.92	0.28	8.25
RV0A-172c	1	Gray	14.76	7.79	2.63	0.43	6.86511628
RV0A-172b	1	Gray	15.03	8.00	2.10	0.24	12.525
RV0A-172g	1	Gray	21.94	12.05	4.19	1.15	3.81565217
RV0A-177a	1	Gray	19.05	10.53	2.03	0.50	7.62
RV0A-177c	1	Gray	10.91	7.62	2.40	0.25	8.728
RV0A-180a	1	Gray	29.58	9.66	3.07	1.10	5.37818182
RV0A-188a	1	Gray	18.30	12.27	3.19	0.66	5.54545455
RV0A-304b	1	Gray	10.73	7.88	2.30	0.23	9.33043478
RV0A-309a	1	Gray	18.81	8.14	2.32	0.35	10.7485714
RV0A-311b	1	Gray	14.32	8.69	2.21	0.37	7.74054054
RV0A-312c	1	Gray	17.33	7.76	1.94	0.38	9.12105263
RV0A-312b	1	Gray	21.50	9.39	2.46	0.74	5.81081081
RV0A-315b	1	Gray	16.51	11.05	1.18	0.23	14.3565217
RV0A-317a	1	Gray	13.93	7.41	2.08	0.24	11.6083333
RV0A-018a	1	Gray	16.94	9.20	2.55	0.49	6.91428571
RV0A-018b	1	Gray	12.01	7.13	1.46	0.16	15.0125
RV0A-020a	1	Gray	13.77	9.72	2.56	0.37	7.44324324
RV0A-023a	1	Gray	10.72	6.76	1.72	0.15	14.2933333

Table A.06 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV0A-195a	1	Gray	15.37	11.77	2.34	0.56	5.48928571
RV0A-197a	1	Gray	10.73	9.67	2.24	0.29	7.4
RV0A-200a	1	Gray	21.01	13.95	3.50	1.07	3.9271028
RV0A-204a	1	Gray	15.48	9.18	2.29	0.39	7.93846154
RV0A-205a	1	Gray	20.27	9.54	2.41	0.51	7.94901961
RV0A-207a	1	Gray	14.13	9.10	2.48	0.42	6.72857143
RV0A-207b	1	Gray	8.54	6.12	2.03	0.12	14.2333333
RV0A-320a	1	Gray	18.11	8.62	2.17	0.45	8.04888889
RV0A-320c	1	Gray	11.09	15.52	3.02	0.53	4.18490566
RV0A-321a	1	Gray	20.56	9.64	2.63	0.69	5.95942029
RV0A-324a	1	Gray	16.09	13.50	2.32	0.75	4.29066667
RV0A-326c	1	Gray	7.60	10.01	2.59	0.17	8.94117647
RV0A-025a	1	Gray	14.89	8.35	2.52	0.34	8.75882353
RV0A-208a	1	Gray	21.83	10.43	3.48	0.86	5.07674419
RV0A-210a	1	Gray	12.51	9.45	2.76	0.39	6.41538462
RV0A-211d	1	Gray	30.86	13.39	3.38	1.27	4.85984252
RV0A-219a	1	Gray	21.04	9.90	2.31	0.66	6.37575758
RV0A-221a	1	Gray	19.67	11.16	2.44	0.68	5.78529412
RV0A-334a	1	Gray	19.54	10.58	2.16	0.68	5.74705882
RV0A-338b	1	Gray	7.67	7.86	2.16	0.15	10.2266667
RV0A-336a	1	Gray	27.61	10.89	3.64	1.05	5.25904762
RV0A-027a	1	Gray	20.35	10.58	3.02	0.92	4.42391304
RV0A-223b	1	Gray	16.27	11.68	3.47	0.67	4.85671642
RV0A-225a	1	Gray	21.08	8.56	2.01	0.38	11.0947368
RV0A-344a	1	Gray	12.03	10.67	1.79	0.59	4.0779661
RV0A-345a	1	Gray	11.67	7.15	2.06	0.21	11.1142857
RV0A-029a	1	Gray	19.05	7.44	1.71	0.30	12.7
RV0A-226a	1	Gray	11.31	8.99	1.86	0.25	9.048
RV0A-228a	1	Gray	27.24	8.23	2.11	0.64	8.5125
RV0A-229d	1	Gray	7.07	6.98	1.68	0.08	17.675
RV0A-229c	1	Gray	12.47	7.31	2.44	0.24	10.3916667
RV0A-230a	1	Gray	24.65	11.29	3.21	1.31	3.76335878
RV0A-233a	1	Gray	26.74	11.92	3.50	1.29	4.14573643
RV0A-237b	1	Gray	18.27	9.15	2.00	0.35	10.44
RV0A-355b	1	Gray	15.38	6.91	1.83	0.22	13.9818182
RV0A-356a	1	Gray	14.52	7.85	3.43	0.54	5.37777778
RV0A-357a	1	Gray	34.98	11.09	2.35	1.28	5.465625
RV0A-032a	1	Gray	12.78	11.63	2.22	0.50	5.112
RV0A-033a	1	Gray	9.85	7.81	2.04	0.20	9.85
RV0A-050b	1	Gray	12.88	11.99	3.47	0.65	3.96307692
RV0A-051b	1	Gray	22.77	8.92	2.62	0.56	8.13214286
RV0A-055a	1	Gray	23.57	8.92	2.42	0.62	7.60322581
RV0A-056a	1	Gray	18.10	11.05	2.54	0.44	8.22727273
RV0A-056b	1	Gray	12.44	7.25	1.95	0.18	13.8222222
RV0A-064b	1	Gray	7.17	10.24	2.13	0.18	7.96666667
RV0A-059a	1	Gray	22.35	14.06	3.29	1.00	4.47
RV0A-079b	1	Gray	16.83	11.25	2.34	0.46	7.3173913

Table A.06 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV0A-080a	1	Gray	16.21	17.40	3.50	1.23	2.63577236
RV0A-080b	1	Gray	14.14	7.36	2.13	0.25	11.312
RV0A-084a	1	Gray	17.93	11.89	2.79	0.49	7.31836735
RV0A-086b	1	Gray	9.74	9.92	2.51	0.27	7.21481481
RV0A-087c	1	Gray	9.54	7.30	1.48	0.12	15.9
RV0A-097a	1	Gray	11.04	9.03	1.97	0.27	8.17777778
RV0A-097b	1	Gray	10.17	7.54	2.32	0.18	11.3
RV0A-101a	1	Gray	23.26	7.27	2.12	0.43	10.8186047
RV0A-101d	1	Gray	9.70	8.73	2.25	0.22	8.81818182
RV0A-102a	1	Gray	22.85	7.47	2.27	0.47	9.72340426
RV0A-105a	1	Gray	11.78	10.33	2.00	0.28	8.41428571
RV0A-107a	1	Gray	24.89	9.49	2.70	0.84	5.92619048
RV0A-109a	1	Gray	26.89	10.45	3.22	1.26	4.26825397
RV0A-110a	1	Gray	17.92	7.63	2.12	0.38	9.43157895
RV0A-114a	1	Gray	26.28	7.65	1.99	0.54	9.73333333
RV0A-114b	1	Gray	17.65	5.66	2.15	0.23	15.3478261
RV0A-117a	1	Gray	20.05	9.39	2.61	0.59	6.79661017
RV0A-120b	1	Gray	14.14	7.62	1.97	0.25	11.312
RV0A-120a	1	Gray	15.90	6.55	2.00	0.24	13.25
RV0A-127a	1	Gray	21.89	14.20	3.14	1.26	3.47460317
RV0A-123a	1	Gray	23.67	8.56	1.62	0.46	10.2913043
RV0A-124f	1	Gray	13.93	10.60	2.38	0.54	5.15925926
RV0A-124e	1	Gray	17.04	7.48	2.34	0.30	11.36
RV0A-128a	1	Gray	9.96	8.98	2.29	0.25	7.968
RV0A-129d	1	Gray	12.22	8.13	1.73	0.25	9.776
RV0A-130b	1	Gray	17.69	10.39	2.41	0.53	6.6754717
RV0A-131a	1	Gray	24.44	13.36	2.28	0.98	4.9877551
RV0A-134a	1	Gray	28.43	9.24	2.04	0.66	8.61515152
RV0A-140a	1	Gray	17.27	8.49	2.13	0.44	7.85
RV0A-139a	1	Gray	17.07	7.06	2.21	0.30	11.38
RV0A-141a	1	Gray	21.68	8.11	2.13	0.45	9.63555556
RV0A-142a	1	Gray	32.98	13.75	4.02	2.51	2.62788845
RV0A-242b	1	Gray	8.96	7.74	2.06	0.20	8.96
RV0A-036a	1	Gray	17.28	8.59	1.89	0.24	14.4
RV0A-038a	1	Gray	13.92	17.41	2.34	0.75	3.712
RV0A-037a	1	Gray	21.26	10.49	2.80	0.58	7.33103448
RV0A-039d	1	Gray	8.32	8.28	2.95	0.22	7.56363636
RV0A-039e	1	Gray	17.03	14.48	2.38	0.50	6.812
RV0A-039b	1	Gray	16.87	15.40	3.60	1.28	2.6359375
RV0A-040a	1	Gray	23.82	14.23	4.27	1.61	2.95900621
RV0A-040g	1	Gray	12.73	7.71	2.51	0.26	9.79230769
RV0A-040h	1	Gray	10.24	10.12	2.02	0.26	7.87692308
RV0A-042b	1	Gray	13.84	8.60	2.05	0.34	8.14117647
RV0A-147a	1	Gray	19.86	7.87	2.06	0.40	9.93
RV0A-149a	1	Gray	9.48	8.81	2.75	0.19	9.97894737
RV0A-150a	1	Gray	28.79	17.19	4.60	1.17	4.92136752
RV0A-150d	1	Gray	16.87	5.98	2.04	0.24	14.0583333

Table A.06 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV0A-150k	1	Gray	8.78	6.19	2.62	0.16	10.975
RV0A-150i	1	Gray	11.96	6.73	2.01	0.18	13.2888889
RV0A-150e	1	Gray	16.30	7.69	1.87	0.26	12.5384615
RV0A-150j	1	Gray	10.92	6.98	2.11	0.17	12.8470588
RV0A-150b	1	Gray	21.08	10.86	1.21	0.27	15.6148148
RV0A-152b	1	Gray	19.40	7.11	2.31	0.28	13.8571429
RV0A-152a	1	Gray	18.93	9.37	2.42	0.51	7.42352941
RV0A-152d	1	Gray	14.12	7.26	1.97	0.30	9.41333333
RV0A-246a	1	Gray	16.14	8.76	2.38	0.40	8.07
RV0A-248a	1	Gray	7.55	12.44	2.57	0.31	4.87096774
RV0A-249a	1	Gray	13.79	8.41	2.19	0.29	9.51034483
RV0A-252a	1	Gray	24.62	10.91	2.35	0.81	6.07901235
RV0A-252b	1	Gray	16.11	8.10	2.22	0.35	9.20571429
RV0A-156a	1	Gray	21.08	10.78	2.17	0.59	7.14576271
RV0A-253a	1	Gray	28.01	12.30	2.99	1.39	4.03021583
RV0A-253b	1	Gray	20.13	11.80	2.77	0.62	6.49354839
RV0A-254b	1	Gray	9.74	9.60	2.06	0.17	11.4588235
RV0A-254a	1	Gray	20.03	12.11	2.76	0.77	5.2025974
RV0A-256b	1	Gray	8.93	11.12	2.88	0.28	6.37857143
RV0A-256a	1	Gray	25.57	9.06	2.26	0.62	8.2483871
RV0A-259a	1	Gray	13.40	7.08	1.40	0.19	14.1052632
RV0A-260a	1	Gray	15.52	7.95	2.40	0.32	9.7
RV0A-262a	1	Gray	35.41	12.88	3.03	1.73	4.09364162
RV0A-264b	1	Gray	13.91	7.44	2.34	0.26	10.7
RV0A-266a	1	Gray	12.40	13.11	3.26	0.60	4.13333333
RV0A-361a	1	Gray	14.25	7.87	1.45	0.21	13.5714286
RV0A-363c	1	Gray	7.04	7.58	1.86	0.11	12.8
RV0A-364a	1	Gray	26.00	10.52	2.98	1.08	4.81481481
RV0A-366a	1	Gray	12.87	12.30	3.19	0.51	5.04705882
RV0A-159a	1	Gray	25.77	12.29	3.80	1.15	4.48173913
RV0A-271b	1	Gray	12.18	12.81	1.74	0.32	7.6125
RV0A-274a	1	Gray	9.11	8.44	1.53	0.13	14.0153846
RV0A-275a	1	Gray	9.61	8.80	2.01	0.21	9.15238095
RV0A-276a	1	Gray	18.83	10.62	2.44	0.48	7.84583333
RV0A-276b	2	Gray	12.95	8.36	1.86	0.23	11.2608696
RV0A-017a	1	Gray	15.52	10.07	2.72	0.46	6.74782609
RV0A-048a	1	Gray	13.37	8.12	1.69	0.23	11.626087
RV0A-048b	1	Gray	10.29	6.68	1.33	0.11	18.7090909
RV0A-167d	1	Gray	13.27	9.14	2.81	0.35	7.58285714
RV0A-012c	1	Gray	21.46	10.02	2.46	0.64	6.70625
RV0A-012d	1	Gray	13.14	11.36	3.47	0.56	4.69285714
RV0A-279a	1	Gray	18.46	12.75	2.74	0.63	5.86031746
RV0A-281a	1	Gray	20.20	9.54	1.93	0.46	8.7826087
RV0A-285a	1	Gray	16.20	7.20	2.45	0.34	9.52941176
RV0A-286b	1	Gray	14.92	8.46	2.32	0.37	8.06486486
RV0A-293a	1	Gray	15.69	8.91	1.86	0.30	10.46
RV0A-296b	1	Gray	11.64	7.49	1.71	0.22	10.5818182

Table A.06 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV0A-298b	1	Gray	11.68	10.06	2.29	0.28	8.34285714
RV0A-298c	1	Gray	11.24	9.27	1.39	0.17	13.2235294
RV0A-299b	1	Gray	17.60	15.83	3.60	1.30	2.70769231
RV0A-299a	1	Gray	19.32	8.08	2.01	0.40	9.66
RV0A-170a	1	Green	10.26	6.75	1.87	0.16	12.825
RV0A-174a	1	Green	10.85	9.73	2.13	0.27	8.03703704
RV0A-176b	1	Green	16.03	9.22	2.18	0.42	7.63333333
RV0A-186a	1	Green	27.07	10.80	3.00	0.87	6.22298851
RV0A-182c	1	Green	6.17	8.40	2.48	0.12	10.2833333
RV0A-184a	1	Green	13.14	9.17	2.22	0.35	7.50857143
RV0A-185a	1	Green	28.34	9.09	2.57	0.84	6.74761905
RV0A-188c	1	Green	12.17	9.03	1.83	0.24	10.1416667
RV0A-302a	1	Green	18.90	8.42	2.07	0.45	8.4
RV0A-302b	1	Green	14.59	7.67	2.08	0.27	10.8074074
RV0A-302c	1	Green	9.15	7.35	2.25	0.21	8.71428571
RV0A-302d	1	Green	8.78	9.37	1.81	0.15	11.7066667
RV0A-303a	1	Green	17.51	11.81	2.22	0.57	6.14385965
RV0A-304a	1	Green	15.02	11.95	2.43	0.61	4.92459016
RV0A-308a	1	Green	16.00	9.09	2.44	0.42	7.61904762
RV0A-308b	1	Green	10.66	10.19	2.07	0.29	7.35172414
RV0A-309b	1	Green	18.25	11.05	2.71	0.71	5.14084507
RV0A-310a	1	Green	23.21	11.41	2.99	0.90	5.15777778
RV0A-310c	1	Green	11.52	8.25	1.50	0.17	13.5529412
RV0A-311c	1	Green	10.93	9.93	2.93	0.38	5.75263158
RV0A-314a	1	Green	17.01	16.96	2.86	0.54	6.3
RV0A-049a	1	Green	11.33	8.05	2.11	0.24	9.44166667
RV0A-193a	1	Green	13.65	9.85	1.98	0.35	7.8
RV0A-194a	1	Green	16.29	11.95	2.35	0.62	5.25483871
RV0A-201a	1	Green	33.24	11.40	2.41	1.15	5.78086957
RV0A-202a	1	Green	12.15	8.77	2.08	0.25	9.72
RV0A-205b	1	Green	15.43	7.66	2.14	0.36	8.57222222
RV0A-206a	1	Green	12.80	11.86	2.49	0.46	5.56521739
RV0A-320b	1	Green	16.71	11.07	2.10	0.48	6.9625
RV0A-326a	1	Green	17.18	7.00	2.08	0.26	13.2153846
RV0A-328a	1	Green	9.48	6.76	1.89	0.15	12.64
RV0A-211e	1	Green	9.24	7.59	1.98	0.15	12.32
RV0A-218b	1	Green	23.66	10.51	2.54	0.81	5.84197531
RV0A-333a	1	Green	21.66	8.13	2.02	0.44	9.84545455
RV0A-026a	1	Green	14.17	9.20	1.80	0.32	8.85625
RV0A-026b	1	Green	15.21	8.05	1.60	0.25	12.168
RV0A-026c	1	Green	9.42	9.95	2.18	0.23	8.19130435
RV0A-026d	1	Green	8.50	10.02	1.67	0.19	8.94736842
RV0A-222a	1	Green	9.23	6.84	2.09	0.13	14.2
RV0A-224b	1	Green	21.34	7.63	2.11	0.40	10.67
RV0A-340a	1	Green	14.40	9.81	2.94	0.48	6
RV0A-340b	1	Green	13.92	12.56	1.95	0.43	6.4744186
RV0A-346b	1	Green	17.91	8.36	2.18	0.48	7.4625

Table A.06 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV0A-346c	1	Green	17.69	11.41	2.30	0.56	6.31785714
RV0A-346d	1	Green	12.25	7.44	1.84	0.21	11.6666667
RV0A-351a	1	Green	14.69	10.36	1.98	0.39	7.53333333
RV0A-352a	1	Green	16.38	9.69	2.07	0.43	7.61860465
RV0A-353a	1	Green	26.88	9.24	2.07	0.74	7.26486486
RV0A-350a	1	Green	14.92	8.77	1.78	0.37	8.06486486
RV0A-028a	1	Green	15.27	9.81	2.24	0.39	7.83076923
RV0A-028b	1	Green	14.32	9.71	1.73	0.43	6.66046512
RV0A-030a	1	Green	22.70	7.86	1.82	0.47	9.65957447
RV0A-231a	1	Green	11.06	10.16	1.30	0.22	10.0545455
RV0A-232a	1	Green	12.49	11.80	2.07	0.36	6.93888889
RV0A-236a	1	Green	13.42	9.52	2.38	0.41	6.54634146
RV0A-356b	1	Green	11.65	8.28	1.76	0.21	11.0952381
RV0A-370a	1	Green	13.74	10.98	1.62	0.34	8.08235294
RV0A-031a	1	Green	17.26	8.53	1.75	0.35	9.86285714
RV0A-031b	1	Green	16.07	9.53	2.66	0.52	6.18076923
RV0A-034a	1	Green	28.35	7.86	1.86	0.57	9.94736842
RV0A-034b	1	Green	11.44	6.81	1.96	0.16	14.3
RV0A-050a	1	Green	16.28	8.57	1.74	0.35	9.30285714
RV0A-051a	1	Green	23.33	7.28	1.86	0.41	11.3804878
RV0A-052a	1	Green	28.48	10.13	2.19	0.81	7.03209877
RV0A-052b	1	Green	10.67	8.21	1.79	0.20	10.67
RV0A-053a	1	Green	16.42	10.52	1.79	0.38	8.64210526
RV0A-060a	1	Green	11.81	8.72	1.55	0.21	11.247619
RV0A-061a	1	Green	22.99	8.07	1.90	0.46	9.99565217
RV0A-062a	1	Green	8.83	7.64	1.77	0.15	11.7733333
RV0A-063a	1	Green	13.03	8.78	1.87	0.33	7.8969697
RV0A-058a	1	Green	14.82	8.73	1.94	0.31	9.56129032
RV0A-070a	1	Green	18.38	11.73	2.72	0.80	4.595
RV0A-070b	1	Green	16.29	7.12	1.87	0.29	11.2344828
RV0A-073a	1	Green	19.32	14.94	2.89	1.02	3.78823529
RV0A-076a	1	Green	11.60	8.68	2.14	0.28	8.28571429
RV0A-077a	1	Green	23.54	6.54	2.66	0.52	9.05384615
RV0A-077b	1	Green	14.75	6.08	2.08	0.24	12.2916667
RV0A-077c	1	Green	11.80	7.68	1.99	0.23	10.2608696
RV0A-077d	1	Green	10.60	11.78	2.73	0.34	6.23529412
RV0A-077f	1	Green	8.52	8.43	1.87	0.15	11.36
RV0A-078b	1	Green	14.91	11.05	1.45	0.34	8.77058824
RV0A-079a	1	Green	38.38	11.87	2.72	1.51	5.08344371
RV0A-079c	1	Green	13.94	8.93	1.59	0.31	8.99354839
RV0A-067a	1	Green	20.84	8.85	1.81	0.45	9.26222222
RV0A-080c	1	Green	13.96	11.41	1.86	0.38	7.34736842
RV0A-069a	1	Green	16.09	9.62	1.80	0.36	8.93888889
RV0A-071a	1	Green	6.41	10.75	1.62	0.16	8.0125
RV0A-088b	1	Green	9.36	8.13	1.59	0.20	9.36
RV0A-089a	1	Green	28.83	8.40	1.86	0.56	10.2964286
RV0A-089b	1	Green	7.45	7.39	1.01	0.04	37.25

Table A.06 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV0A-090a	1	Green	14.65	10.62	3.48	0.53	5.52830189
RV0A-082a	1	Green	18.40	6.48	1.39	0.20	18.4
RV0A-082b	1	Green	16.99	7.09	2.34	0.38	8.94210526
RV0A-083a	1	Green	18.19	10.65	2.66	0.70	5.19714286
RV0A-083b	1	Green	12.23	12.19	2.49	0.38	6.43684211
RV0A-086a	1	Green	11.98	7.56	2.09	0.18	13.31111111
RV0A-096a	1	Green	11.23	6.79	2.27	0.20	11.23
RV0A-091a	1	Green	19.22	8.48	2.10	0.42	9.15238095
RV0A-091b	1	Green	10.66	7.78	2.07	0.19	11.2210526
RV0A-092a	1	Green	11.99	8.78	1.75	0.25	9.592
RV0A-093a	1	Green	4.79	8.46	2.02	0.10	9.58
RV0A-094a	1	Green	13.47	10.23	2.07	0.32	8.41875
RV0A-094b	1	Green	11.80	8.08	1.76	0.19	12.4210526
RV0A-095a	1	Green	16.91	7.10	1.98	0.27	12.5259259
RV0A-095b	1	Green	16.54	10.94	2.81	0.59	5.60677966
RV0A-095c	1	Green	12.18	12.65	2.42	0.46	5.29565217
RV0A-095d	1	Green	11.98	8.01	1.97	0.21	11.4095238
RV0A-095e	1	Green	9.44	7.79	1.80	0.17	11.1058824
RV0A-103a	1	Green	9.51	6.51	1.88	0.14	13.5857143
RV0A-104a	1	Green	25.88	10.51	2.26	0.75	6.90133333
RV0A-104b	1	Green	15.25	9.49	1.83	0.34	8.97058824
RV0A-098b	1	Green	16.54	10.34	2.29	0.55	6.01454545
RV0A-098c	1	Green	13.51	7.25	1.86	0.25	10.808
RV0A-098d	1	Green	13.25	8.30	1.68	0.25	10.6
RV0A-099a	1	Green	24.87	10.48	2.44	0.80	6.2175
RV0A-099b	1	Green	15.58	7.93	1.99	0.33	9.44242424
RV0A-100a	1	Green	18.41	8.33	2.08	0.45	8.18222222
RV0A-100b	1	Green	17.31	9.32	2.08	0.50	6.924
RV0A-100c	1	Green	13.93	7.02	1.81	0.25	11.144
RV0A-101b	1	Green	23.43	11.47	2.15	0.85	5.51294118
RV0A-109b	1	Green	4.51	8.46	1.93	0.06	15.0333333
RV0A-118a	1	Green	12.43	9.03	1.56	0.22	11.3
RV0A-122b	1	Green	9.86	9.57	1.60	0.20	9.86
RV0A-124d	1	Green	16.79	9.01	1.90	0.36	9.32777778
RV0A-125a	1	Green	10.84	9.05	2.40	0.25	8.672
RV0A-129b	1	Green	20.85	8.69	2.53	0.53	7.86792453
RV0A-132a	1	Green	24.97	9.41	1.82	0.54	9.24814815
RV0A-133a	1	Green	19.28	10.16	2.10	0.56	6.88571429
RV0A-136a	1	Green	4.53	7.79	1.95	0.07	12.9428571
RV0A-137a	1	Green	17.13	10.43	2.37	0.55	6.22909091
RV0A-138a	1	Green	26.03	12.13	3.41	1.23	4.23252033
RV0A-144a	1	Green	11.90	11.24	2.69	0.43	5.53488372
RV0A-143a	1	Green	14.29	6.90	1.57	0.17	16.8117647
RV0A-241c	1	Green	16.92	10.99	1.92	0.49	6.90612245
RV0A-242a	1	Green	17.22	9.01	2.04	0.45	7.65333333
RV0A-243a	1	Green	22.06	11.31	2.02	0.65	6.78769231
RV0A-035a	1	Green	10.23	10.47	2.34	0.27	7.57777778

Table A.06 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV0A-039a	1	Green	21.34	9.58	3.43	1.03	4.14368932
RV0A-039c	1	Green	10.85	7.77	1.88	0.22	9.86363636
RV0A-040b	1	Green	21.36	10.70	2.39	0.79	5.40759494
RV0A-040c	1	Green	20.12	9.45	2.21	0.52	7.73846154
RV0A-040f	1	Green	14.18	9.31	1.90	0.26	10.9076923
RV0A-043a	1	Green	29.56	10.16	1.74	0.64	9.2375
RV0A-043b	1	Green	9.00	10.00	2.40	0.24	7.5
RV0A-044a	1	Green	22.07	9.83	3.14	0.75	5.88533333
RV0A-146a	1	Green	28.01	14.34	2.94	1.59	3.52327044
RV0A-147b	1	Green	10.48	9.98	2.21	0.25	8.384
RV0A-148a	1	Green	14.04	9.19	1.87	0.34	8.25882353
RV0A-150c	1	Green	17.59	7.74	2.00	0.40	8.795
RV0A-151a	1	Green	47.35	17.41	4.50	3.85	2.45974026
RV0A-151c	1	Green	16.22	8.84	2.18	0.38	8.53684211
RV0A-152c	1	Green	16.26	6.21	1.98	0.16	20.325
RV0A-250a	1	Green	12.84	9.13	2.14	0.36	7.13333333
RV0A-251b	1	Green	12.19	8.03	2.12	0.20	12.19
RV0A-360a	1	Green	15.73	9.12	1.70	0.35	8.98857143
RV0A-045a	1	Green	7.57	7.17	1.76	0.12	12.6166667
RV0A-155a	1	Green	14.85	9.78	2.42	0.46	6.45652174
RV0A-255a	1	Green	15.16	7.52	2.24	0.31	9.78064516
RV0A-258b	1	Green	10.01	11.11	2.00	0.23	8.70434783
RV0A-263a	1	Green	20.55	7.42	1.67	0.34	12.0882353
RV0A-265a	1	Green	13.79	9.66	2.12	0.35	7.88
RV0A-268a	1	Green	13.41	8.14	2.04	0.26	10.3153846
RV0A-266b	1	Green	11.51	10.94	2.95	0.46	5.00434783
RV0A-267a	1	Green	8.87	7.66	1.59	0.16	11.0875
RV0A-269a	2	Green	33.75	14.87	2.25	1.35	5
RV0A-269d	1	Green	13.89	8.64	1.79	0.28	9.92142857
RV0A-368a	1	Green	6.91	10.54	2.78	0.21	6.58095238
RV0A-157b	1	Green	7.10	8.21	2.64	0.16	8.875
RV0A-159b	1	Green	15.49	7.33	2.30	0.20	15.49
RV0A-270a	1	Green	25.82	12.83	3.61	1.66	3.11084337
RV0A-271a	1	Green	12.70	11.25	2.33	0.43	5.90697674
RV0A-272a	1	Green	31.90	9.28	1.85	0.66	9.66666667
RV0A-272b	1	Green	13.48	10.95	2.02	0.37	7.28648649
RV0A-276c	1	Green	11.41	7.63	1.67	0.20	11.41
RV0A-167a	1	Green	32.30	13.32	2.61	1.52	4.25
RV0A-167b	1	Green	16.48	10.72	2.42	0.63	5.23174603
RV0A-168a	1	Green	6.12	6.82	1.71	0.07	17.4857143
RV0A-169a	1	Green	4.37	8.64	2.55	0.08	10.925
RV0A-012b	1	Green	22.52	11.59	2.83	0.74	6.08648649
RV0A-012e	1	Green	12.77	11.04	1.95	0.33	7.73939394
RV0A-278a	1	Green	25.97	9.41	2.09	0.70	7.42
RV0A-280a	1	Green	20.07	9.67	2.42	0.66	6.08181818
RV0A-282a	1	Green	16.33	9.70	2.79	0.50	6.532
RV0A-283a	1	Green	14.30	10.15	2.73	0.41	6.97560976

Table A.06 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV0A-284a	1	Green	12.03	10.00	2.07	0.28	8.59285714
RV0A-288a	1	Green	19.05	8.81	2.15	0.55	6.92727273
RV0A-288b	1	Green	15.29	7.86	1.90	0.31	9.86451613
RV0A-289b	1	Green	16.51	8.13	1.64	0.31	10.6516129
RV0A-289c	1	Green	14.07	9.57	1.94	0.34	8.27647059
RV0A-291c	1	Green	15.62	8.83	2.34	0.32	9.7625
RV0A-292a	1	Green	17.86	10.34	1.74	0.44	8.11818182
RV0A-292b	1	Green	11.20	7.69	1.80	0.23	9.73913043
RV0A-292c	1	Green	7.51	7.99	1.36	0.12	12.5166667
RV0A-297a	1	Green	9.94	17.82	3.02	0.53	3.7509434
RV0A-299c	1	Green	13.61	14.05	2.26	0.45	6.04888889
RV0A-300a	1	Green	13.84	8.68	1.85	0.25	11.072
RV0A-335a	1	Green*	21.13	12.01	3.11	1.02	4.14313725
RV0A-249b	1	Green*	12.99	9.77	1.49	0.26	9.99230769
RV0A-065b	1	Black	7.47	8.84	2.91	0.20	7.47
RV0A-102b	1	Black	19.93	11.15	2.19	0.68	5.86176471
RV0A-172a	1	Clear	17.31	9.36	2.23	0.44	7.86818182
RV0A-176a	1	Clear	20.93	9.15	1.99	0.45	9.30222222
RV0A-310b	1	Clear	12.79	10.97	2.18	0.40	6.395
RV0A-322a	1	Clear	25.41	10.46	2.18	0.75	6.776
RV0A-235c	1	Clear	8.28	8.11	2.35	0.17	9.74117647
RV0A-241b	1	Clear	32.08	7.21	1.25	0.46	13.9478261
RV0A-244b	1	Clear	25.39	8.80	2.07	0.63	8.06031746
RV0A-269c	1	Clear	18.55	10.96	2.37	0.63	5.88888889
RV0A-269b	1	Clear	21.64	8.70	2.07	0.53	8.16603774
RV0A-163a	1	Clear	24.17	9.53	1.96	0.56	8.63214286
RV0A-165a	1	Clear	22.44	11.30	1.95	0.75	5.984
RV0A-296a	1	Clear	16.50	9.96	2.54	0.44	7.5
RV0A-177b	1	Gray	18.74	10.03	1.78	0.52	7.20769231
RV0A-179a	1	Gray	22.25	7.86	1.33	0.39	11.4102564
RV0A-007a	1	Gray	36.61	7.88	2.11	0.75	9.76266667
RV0A-306a	1	Gray	15.06	15.61	3.18	1.02	2.95294118
RV0A-312a	1	Gray	22.49	10.41	2.61	0.67	6.71343284
RV0A-313a	1	Gray	9.14	6.73	2.08	0.17	10.7529412
RV0A-022a	1	Gray	20.56	9.55	2.82	0.69	5.95942029
RV0A-321b	1	Gray	15.83	17.07	3.08	1.00	3.166
RV0A-209a	1	Gray	18.23	6.90	2.41	0.35	10.4171429
RV0A-211a	1	Gray	17.06	7.90	1.84	0.35	9.74857143
RV0A-215a	1	Gray	36.72	9.13	2.59	1.08	6.8
RV0A-217a	1	Gray	16.98	12.45	2.07	0.73	4.65205479
RV0A-218a	1	Gray	34.15	11.10	2.63	1.62	4.21604938
RV0A-332a	1	Gray	21.28	8.90	1.74	0.49	8.68571429
RV0A-223a	1	Gray	23.31	11.51	2.84	0.90	5.18
RV0A-346a	1	Gray	20.86	12.84	3.12	0.98	4.25714286
RV0A-227a	1	Gray	26.47	9.74	2.88	0.90	5.88222222
RV0A-227c	1	Gray	15.03	12.46	2.96	0.64	4.696875
RV0A-237a	1	Gray	18.80	8.96	2.98	0.53	7.09433962

Table A.06 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV0A-056c	1	Gray	14.27	8.99	2.49	0.36	7.92777778
RV0A-066a	1	Gray	17.96	8.27	2.19	0.32	11.225
RV0A-106a	1	Gray	9.30	8.91	2.18	0.19	9.78947368
RV0A-108a	1	Gray	19.43	7.27	2.00	0.31	12.5354839
RV0A-123b	1	Gray	22.51	8.45	2.37	0.56	8.03928571
RV0A-240a	1	Gray	13.90	9.12	2.62	0.30	9.26666667
RV0A-244a	1	Gray	39.84	10.51	1.95	1.37	5.81605839
RV0A-040e	1	Gray	14.99	10.06	2.29	0.44	6.81363636
RV0A-042a	1	Gray	19.41	13.67	3.56	1.06	3.66226415
RV0A-147d	1	Gray	13.26	5.35	1.95	0.19	13.9578947
RV0A-150f	1	Gray	14.86	11.17	2.86	0.59	5.03728814
RV0A-150g	1	Gray	12.78	11.92	2.27	0.38	6.72631579
RV0A-151b	1	Gray	19.17	13.92	3.24	0.89	4.30786517
RV0A-153a	1	Gray	39.07	10.57	3.55	1.96	3.98673469
RV0A-247a	1	Gray	20.06	12.76	2.15	0.65	6.17230769
RV0A-257a	1	Gray	15.25	11.86	4.52	0.84	3.63095238
RV0A-261b	1	Gray	10.38	12.36	2.76	0.44	4.71818182
RV0A-262b	1	Gray	18.39	8.40	2.02	0.40	9.195
RV0A-362a	1	Gray	20.48	8.82	2.68	0.57	7.18596491
RV0A-363a	1	Gray	25.75	10.90	2.55	1.01	5.0990099
RV0A-161a	1	Gray	16.91	13.75	3.81	1.02	3.31568627
RV0A-162a	1	Gray	9.60	7.30	1.82	0.17	11.2941176
RV0A-298a	1	Gray	27.13	9.24	2.31	0.78	6.95641026
RV0A-172d	1	Green	13.90	9.08	2.39	0.33	8.42424242
RV0A-175a	1	Green	10.48	11.76	2.40	0.42	4.99047619
RV0A-176d	1	Green	23.11	13.91	3.28	1.18	3.91694915
RV0A-188b	1	Green	16.49	6.35	2.00	0.29	11.3724138
RV0A-307a	1	Green	14.48	8.70	1.98	0.30	9.65333333
RV0A-311a	1	Green	15.26	9.88	3.06	0.47	6.49361702
RV0A-191a	1	Green	12.87	8.64	1.94	0.24	10.725
RV0A-323a	1	Green	33.57	8.83	1.87	0.68	9.87352941
RV0A-213a	1	Green	15.35	10.93	2.34	0.44	6.97727273
RV0A-224a	1	Green	19.31	9.11	2.23	0.47	8.21702128
RV0A-227b	1	Green	16.65	11.12	2.06	0.51	6.52941176
RV0A-228b	1	Green	14.39	9.94	2.24	0.49	5.87346939
RV0A-229a	1	Green	34.05	13.21	2.70	1.49	4.5704698
RV0A-064a	1	Green	11.85	9.21	3.03	0.41	5.7804878
RV0A-059b	1	Green	19.57	7.45	2.14	0.42	9.31904762
RV0A-077e	1	Green	8.40	7.96	1.59	0.14	12
RV0A-085a	1	Green	8.93	8.49	2.33	0.17	10.5058824
RV0A-087a	1	Green	17.95	8.97	2.30	0.39	9.20512821
RV0A-087b	1	Green	15.17	10.96	2.31	0.47	6.45531915
RV0A-094c	1	Green	10.28	9.62	1.94	0.23	8.93913043
RV0A-098a	1	Green	38.09	12.01	2.66	1.68	4.53452381
RV0A-111a	1	Green	9.94	11.91	3.04	0.36	5.52222222
RV0A-113a	1	Green	20.25	7.65	1.70	0.34	11.9117647
RV0A-124b	1	Green	13.27	8.95	2.23	0.32	8.29375

Table A.06 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV0A-040i	1	Green	8.59	9.13	2.53	0.24	7.15833333
RV0A-147a	1	Green	17.17	11.42	2.94	0.65	5.28307692
RV0A-147b	1	Green	17.53	7.92	2.25	0.44	7.96818182
RV0A-261a	1	Green	20.25	9.19	1.83	0.44	9.20454545
RV0A-158c	1	Green	24.89	11.62	2.01	0.83	5.99759036
RV0A-012a	1	Green	56.21	14.40	3.15	3.30	3.40666667
RV0A-286a	1	Green	20.03	11.02	2.41	0.60	6.67666667
RV0A-287a	1	Green	21.88	9.98	2.05	0.54	8.1037037
RV0A-295a	1	Green	17.14	8.76	2.40	0.42	8.16190476
RV0A-010a	1	Green	31.20	16.41	5.07	2.47	
TOTALS:	714		Avg 16.95	Avg 9.57	Avg 2.30	Sum 380.94	Avg 8.9493237
						s.d.=	7.92955154

Table A.07 RVOA midden artifacts

FS#	Artifact Category	Blade Segment	Notes	Dating notes
RVOA/MNL-146	Flake		Platform crushed; possible prismatic blade frag - flat ventral surface; single flake scar on dorsal surface	EPC*
RVOA/MNL-105	Flake		Platform intact; minor hinge termination; some feathered termination as well; single, flat facet on dorsal surface	EPC*
RVOA/MNL-121	Flake		Possible butterfly (?) flake from snapping prismatic blade (Clark and Bryant 1997)	EPC*
RVOA/MNL-128	Flake		Platform crushed; hinge termination	EPC*
RVOA/MNL-150	Flake		Crushed platform; bulb of percussion intact; feather termination	EPC*
RVOA/MNL-116	Flake		Platform crushed; bulb of percussion intact; hinge termination	EPC*
RVOA/MNL-145	Flake		Platform crushed; bulb of percussion intact; probably a flake to remove the distal end of a core - several facets on dorsal surface, inward curving	EPC*
RVOA/MNL-113	Flake		Platform intact; feather termination	EPC*
RVOA/MNL-153	Flake fragment		No platform; probably prismatic blade fragment - flat facet on both surfaces	EPC*
RVOA/MNL-114	Flake fragment		No platform; partial bulb of percussion; hinge termination	EPC*
RVOA/MNL-104	Flake fragment		Possible prismatic blade fragment; partial platform, but pretty much crushed; right margin fractured off; multiple flake scars on both surfaces	EPC*
RVOA/MNL-115	Flake fragment		No platform; partial bulb of percussion; distal end broken	EPC*
RVOA/MNL-130	Prismatic blade	Distal	Distal end intact; slight inward curving; small, partial snap tab on proximal end of dorsal surface	EPC*
RVOA/MNL-139	Prismatic blade	Distal	Distal end intact - several facets at very end; inward curving; partial snap tab on proximal end of ventral surface	EPC*
RVOA/MNL-140	Prismatic blade	Distal	Distal end nearly intact, some microflaking; inward curving; proximal end broken	EPC*
RVOA/MNL-108	Prismatic blade	Distal	Complete distal end - single facet	EPC*
RVOA/MNL-142	Prismatic blade	Medial	Proximal end broken; snap fracture on distal end of ventral surface	EPC*
RVOA/MNL-122	Prismatic blade	Medial	Snap fracture on proximal end of dorsal surface	EPC*
RVOA/MNL-125	Prismatic blade	Medial	Both ends broken	EPC*

Table A.07 cont.

FS#	Artifact Category	Blade Segment	Notes	Dating notes
RVOA/MNL-133	Prismatic blade	Medial	Small, partial snap tab on distal end of dorsal surface	EPC*
RVOA/MNL-101	Prismatic blade	Medial	Both ends broken	EPC*
RVOA/MNL-109	Prismatic blade	Medial	Partial snap tab on proximal end of dorsal surface; distal end broken	EPC*
RVOA/MNL-110	Prismatic blade	Medial	Both ends heavily broken	EPC*
RVOA/MNL-111	Prismatic blade	Medial	Partial snap fracture on proximal end of dorsal surface; distal end broken	EPC*
RVOA/MNL-112	Prismatic blade	Medial	Only the left lateral margin remains	EPC*
RVOA/MNL-127	Prismatic blade	Medial	Only right margin; the rest has broken off	EPC*
RVOA/MNL-123	Prismatic blade	Medial	Proximal end broken	EPC*
RVOA/MNL-135	Prismatic blade	Medial	Both ends broken	EPC*
RVOA/MNL-102	Prismatic blade	Medial	Only the left lateral margin - fractured down middle of blade	EPC*
RVOA/MNL-117	Prismatic blade	Medial	Small snap fracture on distal end of dorsal surface	EPC*
RVOA/MNL-120	Prismatic blade	Medial	Both ends broken	EPC*
RVOA/MNL-124	Prismatic blade	Medial	Small, partial snap tab on distal end of ventral surface	EPC*
RVOA/MNL-129	Prismatic blade	Medial	Proximal end broken; small snap fracture on distal end of dorsal surface	EPC*
RVOA/MNL-131	Prismatic blade	Medial	Both ends broken	EPC*
RVOA/MNL-132	Prismatic blade	Medial	Both ends broken	EPC*
RVOA/MNL-134	Prismatic blade	Medial	Small, partial snap tabs on both ends of ventral surface	EPC*
RVOA/MNL-137	Prismatic blade	Medial		EPC*
RVOA/MNL-144	Prismatic blade	Medial	Both ends broken	EPC*
RVOA/MNL-148	Prismatic blade	Medial	Small snap fracture on proximal end of ventral surface; distal end broken	EPC*
RVOA/MNL-152	Prismatic blade	Medial	Partial snap tab on proximal end of dorsal surface; snap fracture on distal end of dorsal surface	EPC*
RVOA/MNL-103	Prismatic blade	Medial	Small snap fracture on proximal end of dorsal surface; distal end broken	EPC*

Table A.07 cont.

FS#	Artifact Category	Blade Segment	Notes	Dating notes
RVOA/MNL-118	Prismatic blade	Medial	Proximal end broken; small snap fracture on distal end of dorsal surface	EPC*
RVOA/MNL-151	Prismatic blade	Medial	Both ends broken	EPC*
RVOA/MNL-141	Prismatic blade	Proximal	Platform crushed; arrises irregular - macroblade/percussion blade?; snap tab on distal end of dorsal surface	EPC*
RVOA/MNL-136	Prismatic blade	Proximal	No grinding on platform; no overhang removal; small, partial snap fracture on distal end of ventral surface	EPC*
RVOA/MNL-100	Prismatic blade	Proximal	Finely ground platform; very minimal overhang removal; distal end broken	EPC*
RVOA/MNL-119	Prismatic blade	Proximal	Ground platform; no overhang removal; partial snap fracture on distal end of ventral surface	EPC*
RVOA/MNL-143	Prismatic blade	Proximal	Ground platform; minimal overhang removal; slight inward curving	EPC*
RVOA/MNL-147	Prismatic blade	Proximal	No grinding on platform; no overhang removal; partial snap fracture on distal end of ventral surface	EPC*
RVOA/MNL-149	Prismatic blade	Proximal	Ground platform; no overhang removal; broken snap tab on distal end of dorsal surface	EPC*
RVOA/MNL-106	Prismatic blade	Proximal	Ground platform; no overhang removal; left margin flaked off; distal end broken	EPC*
RVOA/MNL-107	Prismatic blade	Proximal	Ground platform; no overhang removal; distal end fractured	EPC*
RVOA/MNL-126	Prismatic blade	Proximal	Ground platform; no overhang removal; distal end rounded - evidence of being snapped	EPC*
RVOA/MNL-138	Prismatic blade	Proximal	Platform crushed; overhang removal; flake scars all over dorsal surface - no arrises	EPC*

Table A.08 RVOA midden artifact measurements

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RVOA/MNL-146	1	Black	22.43	14.02	3.02	1.06	
RVOA/MNL-105	1	Gray	15.21	12.42	4.22	0.77	
RVOA/MNL-121	1	Gray	13.49	10.82	1.96	0.29	
RVOA/MNL-128	1	Gray	9.42	7.23	0.92	0.08	
RVOA/MNL-150	1	Gray	14.85	8.73	2.62	0.24	
RVOA/MNL-116	1	Gray	21.24	12.38	2.76	0.76	
RVOA/MNL-145	1	Gray	15.64	11.85	3.48	0.77	
RVOA/MNL-113	1	Gray	14.19	12.20	1.19	0.24	
RVOA/MNL-153	1	Clear	13.42	7.42	2.80	0.21	
RVOA/MNL-114	1	Green	10.20	17.46	2.34	0.36	
RVOA/MNL-104	1	Gray	16.22	9.03	3.76	0.48	
RVOA/MNL-115	1	Gray	7.15	9.57	1.60	0.07	
			Avg	Avg	Avg		
			14.46	11.09	2.56		
RVOA/MNL-130	1	Clear	16.39	9.33	1.70	0.27	12.1407407
RVOA/MNL-139	1	Clear	15.68	7.98	3.18	0.44	7.12727273
RVOA/MNL-140	1	Black	19.39	12.24	2.78	1.02	3.80196078
RVOA/MNL-108	1	Gray	18.51	9.64	1.87	0.44	8.41363636
RVOA/MNL-142	1	Clear	16.84	10.28	3.44	0.72	4.67777778
RVOA/MNL-122	1	Green	20.41	11.96	2.92	0.96	4.25208333
RVOA/MNL-125	1	Green	14.45	9.35	2.12	0.36	8.02777778
RVOA/MNL-133	1	Green	17.50	9.96	2.60	0.52	6.73076923
RVOA/MNL-101	1	Black	10.38	8.18	2.11	0.19	10.9263158
RVOA/MNL-109	1	Black	15.13	8.33	2.84	0.38	7.96315789
RVOA/MNL-110	1	Black	11.24	13.75	3.10	0.35	6.42285714
RVOA/MNL-111	1	Black	11.05	9.49	2.95	0.39	5.66666667
RVOA/MNL-112	1	Black	16.14	4.00	1.56	0.10	32.28
RVOA/MNL-127	1	Black	18.36	4.62	1.91	0.14	26.2285714
RVOA/MNL-123	1	Gray	19.21	9.47	2.70	0.58	6.62413793
RVOA/MNL-135	1	Gray	21.59	9.06	2.56	0.56	7.71071429
RVOA/MNL-102	1	Gray	20.48	8.03	2.48	0.37	11.0702703
RVOA/MNL-117	1	Gray	19.24	7.58	2.71	0.42	9.16190476
RVOA/MNL-120	1	Gray	14.70	8.11	2.19	0.36	8.16666667
RVOA/MNL-124	1	Gray	15.91	8.81	2.57	0.43	7.4
RVOA/MNL-129	1	Gray	18.57	9.07	3.02	0.62	5.99032258
RVOA/MNL-131	1	Gray	8.63	8.04	1.59	0.14	12.3285714
RVOA/MNL-132	1	Gray	18.01	16.24	4.60	1.39	2.59136691
RVOA/MNL-134	1	Gray	20.31	10.76	2.94	0.75	5.416
RVOA/MNL-137	1	Gray	11.57	7.06	1.86	0.17	13.6117647

RVOA/MNL-144	1	Gray	28.65	12.11	4.22	1.67	3.43113772
RVOA/MNL-148	1	Gray	15.40	11.05	2.19	0.52	5.92307692
RVOA/MNL-152	1	Gray	16.36	11.25	2.37	0.56	5.84285714
RVOA/MNL-103	1	Gray	16.85	8.68	2.21	0.40	8.425
RVOA/MNL-118	1	Gray	24.78	7.74	2.23	0.44	11.2636364
RVOA/MNL-151	1	Gray	12.74	10.40	1.66	0.32	7.9625
RVOA/MNL-141	1	Clear	19.02	12.25	3.60	0.74	5.14054054
RVOA/MNL-136	1	Green	21.76	9.26	1.90	0.53	8.21132075
RVOA/MNL-100	1	Black	39.92	10.14	2.79	1.38	5.78550725
RVOA/MNL-119	1	Gray	17.06	8.32	2.04	0.37	9.22162162
RVOA/MNL-143	1	Gray	32.76	8.89	2.71	0.87	7.53103448
RVOA/MNL-147	1	Gray	17.85	8.92	2.78	0.50	7.14
RVOA/MNL-149	1	Gray	17.67	8.25	2.46	0.44	8.03181818
RVOA/MNL-106	1	Gray	18.04	11.80	3.39	0.97	3.71958763
RVOA/MNL-107	1	Gray	12.28	10.00	1.94	0.34	7.22352941
RVOA/MNL-126	1	Gray	10.79	8.39	2.13	0.25	8.632
RVOA/MNL-138	1	Gray	14.49	11.95	2.84	0.49	5.91428571
TOTALS:	54		Avg 17.76	Avg 9.54	Avg 2.57	Sum 28.19	Avg 8.43168478 s.d. = 5.35594634

Table A.09 Río Viejo 2000 Operation B (RVOB) artifacts

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RVOB-447c	8B66	1	Biface		Bifacially modified flake, probably a projectile point or knife; proximal and distal ends snapped off - no tip, stem or notches; parallel pressure flaking along margins	EPC	8
RVOB-310e	5B59	10, Bur. 28	Chunk		No distinctive platform or bulb; flake scars over entire surface of artifact	EPC	8
RVOB-447d	8B66	1	Chunk		No distinctive platform or bulb; may be a biface fragment - flake scars over entire surface of artifact; hinge fracture on left edge	EPC	8
RVOB-163i	6C55	1	Chunk		No distinctive platform or bulb; flake scars over entire surface of artifact	EPC	7
RVOB-229e	0D54	5	Chunk		No distinctive platform or bulb; flake scars over entire surface of artifact	LC	7
RVOB-439d	2C51	1	Chunk		No distinctive platform or bulb; flake scars over entire surface of artifact	EPC	12
RVOB-116d	3B47	2	Chunk		Large chunk; no platform; single facet on ventral surface; multiple flake scars on dorsal surface	EPC	4
RVOB-274a	3B58	1	Chunk		No distinctive platform or bulb; flake scars over entire surface of artifact	EPC	8
RVOB-276a	3B60	15	Chunk		No distinctive platform or bulb; flake scars over entire surface of artifact	EPC	8
RVOB-109b	4C52	1	Chunk		No distinctive platform or bulb; flake scars over entire surface of artifact	EPC	
RVOB-111g	4C53	1	Chunk		No distinctive platform or bulb; flake scars over entire surface of artifact	EPC	7
RVOB-151e	5C51	2	Chunk		No distinctive platform or bulb; flake scars over entire surface of artifact	EPC	
RVOB-176c	7C56	1	Chunk		No distinctive platform or bulb; flake scars over entire surface of artifact	EPC	7
RVOB-388b	9B60	4	Chunk		No distinctive platform or bulb; flake scars over entire surface of artifact	EPC	8

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-191m	9C53	2	Chunk		No distinctive platform or bulb; flake scars over entire surface of artifact	EPC	7
RV0B-448c	3C55	2	Chunk		Possible biface fragment; parallel flake scars on both surfaces, but very thick; may have been a biface blank that fractured	EPC	
RV0B-109c	4C52	1	Chunk		No distinctive platform or bulb; flake scars over entire surface of artifact	EPC	
RV0B-109d	4C52	1	Chunk		No distinctive platform or bulb; flake scars over entire surface of artifact	EPC	
RV0B-109e	4C52	1	Chunk		No distinctive platform or bulb; flake scars over entire surface of artifact	EPC	
RV0B-040c	6B49	1	Chunk		No distinctive platform or bulb; flake scars over entire surface of artifact	EPC	4
RV0B-445d	6B57	4	Eccentric		Flaked eccentric item; King's dissertation describes it as an "abstract bird"; probably finely flaked prismatic blade - partial arris on dorsal surface; very finely made	EPC	8
RV0B-222f	0D53	5	Flake		Platform intact; feather termination	LC	7
RV0B-225e	0D54	1	Flake		Platform intact; hinge termination	EPC	7
RV0B-430c	1C52	1	Flake		Platform intact; may be prismatic blade fragment that's been flaked on dorsal surface	EPC	12
RV0B-102g	1C55	1	Flake		Platform crushed; distal end fractured off	EPC	12
RV0B-008d	4B48	2	Flake		Small platform; feather termination	EPC	4
RV0B-015c	4B53	1	Flake		Small platform; feather termination; pressure flake?	EPC	
RV0B-285a	4B56	1	Flake		Platform partially fractured; distal end fractured	EPC	8
RV0B-424d	4B62	2	Flake		Platform partially crushed; feather termination	EPC	8
RV0B-424c	4B62	2	Flake		Platform crushed; distal end fractured; possible crested blade	EPC	8
RV0B-153c	5C53	1	Flake		Crushed platform; feather termination	EPC	7
RV0B-153d	5C53	1	Flake		Small platform; feather termination	EPC	7
RV0B-032e	6B47	3	Flake		Small platform; feather termination; pressure flake?	EPC	4

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RVOB-047e	6B52	1	Flake		Platform partially fractured	EPC	4
RVOB-163g	6C55	1	Flake		Platform crushed; feather termination	EPC	7
RVOB-168f	6C58	2	Flake		Platform crushed; distal end fractured off	EPC	7
RVOB-051f	7B46	3	Flake		Platform intact; distal end fractured	EPC	4
RVOB-187b	8C57	1	Flake		Possible prismatic blade fragment; flaked on dorsal surface, percussion ripples on ventral surface	EPC	7
RVOB-189b	8C58	2	Flake		Platform crushed, very thin; distal end fractured	EPC	7
RVOB-131b	9B50	9	Flake		Platform crushed; distal end fractured off	LC	4
RVOB-193c	9C53	4	Flake		Platform crushed; distal end fractured off	EPC	7
RVOB-198f	9C55	1	Flake		Platform crushed; distal end fractured off	EPC	7
RVOB-092b	0C38	1	Flake		Platform intact; flake scars on dorsal surface	EPC	3
RVOB-096d	0C45	1	Flake		Platform partially crushed; hinge termination	EPC	3
RVOB-099c	0C53	1	Flake		Platform intact; probably a preparation/thinning flake	EPC	12
RVOB-405b	0C75	3	Flake		Platform fractured; feather termination	EPC	9
RVOB-420a	0C77	2	Flake		Platform intact; feather termination	EPC	9
RVOB-209c	0D51	5	Flake		Platform intact; distal end fractured	EPC	
RVOB-207b	0D51	2	Flake		Percussion flake; platform intact	EPC	
RVOB-212b	0D52	3	Flake		Platform crushed; hinge termination	EPC	7
RVOB-219a	0D53	2	Flake		Platform crushed; feather termination	EPC	7
RVOB-223i	0D53	6	Flake		Platform fractured; feather termination	LC	7
RVOB-224b	0D53	7	Flake		Platform intact; feather termination; hinge fracture on left edge of dorsal surface	LC	7
RVOB-236d	0D55	4	Flake		Platform crushed	LC	7
RVOB-236e	0D55	4	Flake		Platform crushed	LC	7
RVOB-443b	0D56	2	Flake		Platform crushed; distal end fractured	EPC	7
RVOB-249d	0D58	8	Flake		Platform fractured; feather termination	LC	7
RVOB-430d	1C52	1	Flake		Small platform	EPC	12
RVOB-101b	1C54	1	Flake		Platform crushed; hinge termination	EPC	12
RVOB-134f	1C57	1	Flake		Platform intact; distal end fractured	EPC	
RVOB-251b	1D54	2	Flake		Small platform, edge crushed; distal end intact - single flat facet; crested blade??	EPC	7

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RVOB-262a	2B56	6	Flake		Platform intact; feather termination	EPC	8
RVOB-104a	2C54	1	Flake		Platform intact; large percussion flake; hinge termination	EPC	12
RVOB-278b	3B63	1	Flake		Platform crushed; distal end intact; 2 arrises on dorsal surface; outré passé curve	EPC	8
RVOB-278c	3B63	1	Flake		Platform crushed; feather termination	EPC	8
RVOB-080b	4B50	3	Flake		Platform intact; probably a thinning flake	EPC	4
RVOB-283a	4B51	1	Flake		Partial platform; hinge termination	EPC	4
RVOB-015b	4B53	1	Flake		Small platform; feather termination; rejuvenation flake? - several flake scars on dorsal surface perpendicular to platform	EPC	
RVOB-284b	4B54	1	Flake		Platform intact; distal end fractured	EPC	
RVOB-284c	4B54	1	Flake		Platform intact; feather termination	EPC	
RVOB-296j	4B62	1	Flake		Platform intact; large bulb	EPC	8
RVOB-295h	4B62	1	Flake		Platform partially fractured; feather termination	EPC	8
RVOB-112g	4C54	1	Flake		Platform intact; small and thin; feather termination	EPC	7
RVOB-146b	4C56	1	Flake		Platform crushed; feather termination	EPC	7
RVOB-019a	5B46	2	Flake		Large percussion flake; platform partially fractured; feather termination	EPC	4
RVOB-028a	5B54	1	Flake		Small platform; feather termination; pressure flake?	EPC	
RVOB-301c	5B57	4	Flake		Platform partially fractured; partial hinge, partial feather termination	EPC	8
RVOB-308c	5B58	6	Flake		Platform fractured; hinge fracture on dorsal surface	EPC	8
RVOB-310c	5B59	10, Bur. 28	Flake		Small platform; feather termination	EPC	8
RVOB-311e	5B59	17	Flake		Platform crushed; feather termination	EPC	8
RVOB-312b	5B60	15	Flake		Core rejuvenation flake, probably from lateral rejuvenation (see Clark and Bryant 1997:116)	EPC	8
RVOB-317b	5B62	1	Flake		Large percussion flake; platform intact; feather termination	EPC	8
RVOB-320a	5B62	3	Flake		Platform crushed; feather termination	EPC	8

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RVOB-151d	5C51	2	Flake		Platform crushed; hinge termination	EPC	
RVOB-152a	5C52	2	Flake		Platform crushed; may be an early stage prismatic blade or crested blade; asymmetrical margins and arrises; distal end fractured off	EPC	7
RVOB-153b	5C53	1	Flake		Small platform; feather termination	EPC	7
RVOB-154d	5C55	1	Flake		Large percussion flake; platform intact; feather termination	EPC	7
RVOB-113e	5C56	1	Flake		Platform crushed; probably fragment of prismatic blade that's been flaked off	EPC	7
RVOB-113g	5C56	1	Flake		Platform partially crushed; hinge termination	EPC	7
RVOB-449e	5C57	1	Flake		Platform intact - may actually be distal end of artifact	EPC	7
RVOB-041e	6B49	2	Flake		Platform crushed; feather termination; thinning flake?	EPC	4
RVOB-047d	6B52	1	Flake		Platform fractured; hinge termination; possible nacelle flake	EPC	
RVOB-331a	6B58	5	Flake		Platform intact; feather termination	EPC	8
RVOB-330c	6B58	4	Flake		Platform crushed; distal end broken	EPC	8
RVOB-337b	6B60	6	Flake		Platform fractured; feather termination; small hinge fracture on dorsal surface	EPC	8
RVOB-160b	6C52	2	Flake		Platform crushed; feather termination	EPC	7
RVOB-163h	6C55	1	Flake		Platform crushed; feather termination	EPC	7
RVOB-051g	7B46	3	Flake		Platform partially fractured; feather termination	EPC	4
RVOB-062f	7B53	1	Flake		Possible final-stage blade or rejuvenation blade; platform partially crushed; 3 arrises on dorsal surface	EPC	
RVOB-354a	7B59	4	Flake		Platform intact; feather termination	EPC	8
RVOB-361a	7B61	2	Flake		Platform crushed; flake scars on both surfaces	EPC	8
RVOB-173c	7C53	2	Flake		Platform partially crushed; distal end broken	EPC	7
RVOB-450c	7C53	1	Flake		Platform partially crushed; distal end broken	EPC	7
RVOB-174e	7C54	1	Flake		Platform crushed	EPC	7
RVOB-175i	7C55	1	Flake		Small platform, possibly ground; feather termination	EPC	7

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RVOB-175h	7C55	1	Flake		Very small platform; hinge termination	EPC	7
RVOB-067d	8B43	1	Flake		Platform crushed; possible thinning flake	EPC	4
RVOB-074e	8B48	2	Flake		Platform crushed; feather termination - single, flat facet	EPC	4
RVOB-374b	8B60	10	Flake		Platform partially fractured; distal end fractured	EPC	8
RVOB-184d	8C54	1	Flake			EPC	7
RVOB-186e	8C56	1	Flake		Platform fractured; hinge termination	EPC	7
RVOB-187c	8C57	1	Flake		Platform partially fractured; distal end fractured	EPC	7
RVOB-084b	9B42	1	Flake		Platform intact; hinge termination	EPC	
RVOB-128c	9B50	1	Flake		Platform intact; hinge termination	EPC	4
RVOB-091b	9B54	2	Flake		Platform crushed; flake scars on both surfaces	EPC	
					Probable distal end of core fragment; several arrises on dorsal surface; relatively flat distal end; outré passé curve; snap tab on proximal end of ventral surface	EPC	
RVOB-380d	9B54	1	Flake			EPC	
RVOB-391a	9B60	10	Flake		Platform partially crushed; feather termination	LC	8
RVOB-208g	0D51	3	Flake		Nacelle flake - see Hirth 2006:308,310	EPC	
RVOB-113f	5C56	1	Flake		Platform intact; hinge termination	EPC	7
					No platform; partial bulb; may be segment of prismatic blade that's been flaked on dorsal surface	LC	7
RVOB-221d	0D53	4	Flake fragment			LC	7
					No platform; partial bulb; 2 arrises on dorsal surface	EPC	8
RVOB-444b	3B64	7	Flake fragment			EPC	8
					No platform; partial bulb; may be segment of prismatic blade that's been flaked on dorsal surface	EPC	7
RVOB-174f	7C54	1	Flake fragment			EPC	7
					Probable prismatic blade fragment - dorsal and ventral surfaces smooth, single facets; fractured along both lateral margins	EPC	4
RVOB-068b	8B43	2	Flake fragment			EPC	4
					No platform; probably prismatic blade fragment that's been highly flaked	EPC	12
RVOB-098b	0C52	1	Flake fragment			EPC	12
					No platform; partial bulb; feather termination	EPC	12
RVOB-099e	0C53	1	Flake fragment			EPC	12

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RVOB-399b	0C64	1	Flake fragment		No platform; partial bulb	EPC	8
RVOB-399c	0C64	1	Flake fragment		No platform; partial bulb	EPC	8
RVOB-217c	0D52	12	Flake fragment		Probable prismatic blade fragment; flaked on both surfaces	LC	7
RVOB-219d	0D53	2	Flake fragment		No platform; partial bulb	EPC	7
RVOB-225h	0D54	1	Flake fragment		No platform; probably fragment of a prismatic blade that's been flaked; ventral surface smooth	EPC	7
RVOB-244f	0D56	7	Flake fragment		No platform; partial bulb	LC	7
RVOB-259a	2B56	2	Flake fragment		No platform; probable prismatic blade fragment that's been flaked on both surfaces	EPC	8
RVOB-260a	2B56	4	Flake fragment		No platform; probable prismatic blade fragment that's been flaked on both surfaces	EPC	8
RVOB-144b	4C55	1	Flake fragment		No platform; partial bulb	EPC	7
RVOB-148a	4C58	1	Flake fragment		No platform; partial bulb	EPC	7
RVOB-425a	5B46	3	Flake fragment		No platform; probable prismatic blade fragment that's been flaked on both surfaces	EPC	4
RVOB-306c	5B58	3	Flake fragment		No platform; partial bulb	EPC	8
RVOB-344e	6B65	1	Flake fragment		No platform; partial bulb	EPC	8
RVOB-164e	6C56	1	Flake fragment		No platform; partial bulb	EPC	7
RVOB-051h	7B46	3	Flake fragment		No platform; probably prismatic blade fragment that's been highly flaked	EPC	4
RVOB-062g	7B53	1	Flake fragment		Probably fragment of prismatic blade; flake scar on dorsal surface	EPC	

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-125a	9B47	2	Flake fragment		Percussion flake; platform fractured; partial bulb; feather termination	EPC	4
RV0B-380c	9B54	1	Flake fragment		No platform; probable lateral margin of prismatic blade fragment	EPC	
RV0B-389b	9B60	5	Flake fragment		No platform; probable prismatic blade fragment that's been flaked on both surfaces	EPC	8
RV0B-192c	9C53	3	Flake fragment		No platform; partial bulb	EPC	7
RV0B-437a	9C54	1	Flake fragment		No platform; partial bulb	EPC	7
RV0B-093b	0C39	1	Flake fragment		No platform; partial bulb	EPC	3
RV0B-099d	0C53	1	Flake fragment		No platform; probably a prismatic blade margin that's been fractured off	EPC	12
RV0B-441c	0C62	1	Flake fragment		No platform; partial bulb	EPC	
RV0B-410a	0C73	1	Flake fragment		No platform; partial bulb	EPC	9
RV0B-206e	0D51	1	Flake fragment		No platform; partial bulb	EPC	
RV0B-208h	0D51	3	Flake fragment		No platform; probably fragment of prismatic blade; flaked on both surfaces	EPC	
RV0B-220c	0D53	3	Flake fragment		No platform; partial bulb	EPC	7
RV0B-219c	0D53	2	Flake fragment		No platform; probably prismatic blade fragment w/ flake scars on dorsal surface	EPC	7
RV0B-222g	0D53	5	Flake fragment		No platform; partial bulb	LC	7
RV0B-225f	0D54	1	Flake fragment		No platform; probably fragment of a prismatic blade that's been flaked; ventral surface smooth	EPC	7
RV0B-225g	0D54	1	Flake fragment		No platform; probably fragment of a prismatic blade that's been flaked; ventral surface smooth	EPC	7

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RVOB-239e	0D55	7	Flake fragment		No platform; partial bulb	LC	7
RVOB-236f	0D55	4	Flake fragment		No platform; probably lateral margin of prismatic blade that's been flaked off	LC	7
RVOB-237b	0D55	5	Flake fragment		No platform; partial bulb	LC	7
RVOB-243c	0D56	6	Flake fragment		No platform; partial bulb	LC	7
RVOB-241c	0D56	3	Flake fragment		No platform; partial bulb	LC	7
RVOB-242e	0D56	4	Flake fragment		No platform; partial bulb; flake scars on both surfaces	LC	7
RVOB-242f	0D56	4	Flake fragment		No platform; partial bulb; dorsal surface flaked; possible nacelle flake??	LC	7
RVOB-250c	1D54	1	Flake fragment		No platform; 2 arrises on dorsal surface, 1 on ventral surface - blade or exhausted core fragment?	EPC	7
RVOB-262b	2B56	6	Flake fragment		No platform; probably lateral margin of prismatic blade that's been flaked off	EPC	8
RVOB-263b	2B56	7	Flake fragment		No platform; probably prismatic blade fragment that's been flaked on ventral surface; arris on dorsal surface	EPC	8
RVOB-268a	2B60	10	Flake fragment		No platform; flaked on both surfaces	EPC	8
RVOB-272i	2B64	1	Flake fragment		No platform; partial bulb	EPC	10
RVOB-001b	3B47	3	Flake fragment		Probably fragment of prismatic blade; flake scar on dorsal surface	EPC	4
RVOB-118c	3B47	6	Flake fragment		No platform; flaked on both surfaces	EPC	4
RVOB-107d	3C53	3	Flake fragment		No platform; partial bulb; 2 arrises on dorsal surface	EPC	

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RVOB-406b	3C53	1	Flake fragment		No platform; partial bulb	EPC	
RVOB-142b	3C57	1	Flake fragment		No platform; partial bulb	EPC	
RVOB-143b	3C59	1	Flake fragment		No platform; partial bulb	EPC	
RVOB-008e	4B48	2	Flake fragment		No platform; partial bulb	EPC	4
RVOB-011d	4B50	1	Flake fragment		No platform; partial bulb; hinge termination	EPC	4
RVOB-013b	4B50	2	Flake fragment		No platform; partial bulb	EPC	4
RVOB-284d	4B54	1	Flake fragment		No platform; possibly prismatic blade fragment that's been fractured	EPC	
RVOB-284e	4B54	1	Flake fragment		No platform; partial bulb	EPC	
RVOB-287e	4B58	1	Flake fragment		No platform; probable prismatic blade fragment that's been flaked on both surfaces	EPC	8
RVOB-288a	4B59	5	Flake fragment		No platform; probable prismatic blade fragment that's been flaked on both surfaces	EPC	8
RVOB-298d	4B65	1	Flake fragment		No platform; partial bulb	EPC	8
RVOB-298e	4B65	1	Flake fragment		No platform; partial bulb	EPC	8
RVOB-435c	4C51	1	Flake fragment		No platform; partial bulb	EPC	
RVOB-110c	4C52	2	Flake fragment		No platform; partial bulb; multiple facets on dorsal surface (not flake scars though)	EPC	
RVOB-111af	4C53	1	Flake fragment		No platform; partial bulb	EPC	7
RVOB-112h	4C54	1	Flake fragment		No platform; probably a prismatic blade margin that's been fractured off	EPC	7

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RVOB-145d	4C55	2	Flake fragment		No platform; partial bulb	EPC	7
RVOB-148b	4C58	1	Flake fragment		No platform; may be prismatic blade fragment that's been flaked extensively on dorsal surface	EPC	7
RVOB-028b	5B54	1	Flake fragment		No platform; partial bulb	EPC	
RVOB-029b	5B55	1	Flake fragment		No platform; partial bulb	EPC	
RVOB-300b	5B57	2	Flake fragment		No platform; partial bulb; very small - pressure flake?	EPC	8
RVOB-305b	5B58	2	Flake fragment		No platform; probable prismatic blade fragment that's been flaked on both surfaces	EPC	8
RVOB-304b	5B58	1	Flake fragment		No platform; partial bulb	EPC	8
RVOB-310d	5B59	10, Bur. 28	Flake fragment		No platform; may be prismatic blade fragment that's been flaked on ventral surface	EPC	8
RVOB-311f	5B59	17	Flake fragment		No platform; partial bulb	EPC	8
RVOB-314a	5B61	1	Flake fragment		No platform; possible rejuvenation flake - single facet on distal end	EPC	8
RVOB-318f	5B62	1	Flake fragment		No platform; probable prismatic blade fragment that's been flaked on both surfaces	EPC	8
RVOB-322c	5B64	1	Flake fragment			EPC	8
RVOB-150a	5C51	1	Flake fragment		No platform; partial bulb; hinge termination	EPC	
RVOB-035c	6B47	8	Flake fragment		No platform; partial bulb	LC	4
RVOB-036a	6B47	9	Flake fragment		No platform; partial bulb; hinge termination	LC	4
RVOB-032f	6B47	3	Flake fragment		No platform; partial bulb	EPC	4

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RVOB-048b	6B54	1	Flake fragment		No platform; partial bulb	EPC	
RVOB-330d	6B58	4	Flake fragment		No platform; partial bulb	EPC	8
RVOB-334b	6B59	8	Flake fragment		No platform; strange shape - radial fissures indicate that pointed end is proximal; one facet on dorsal surface amongst flake scars	EPC	8
RVOB-335a	6B59	11	Flake fragment		No platform; partial bulb	EPC	8
RVOB-341e	6B63	1	Flake fragment		No platform; partial bulb	EPC	8
RVOB-344d	6B65	1	Flake fragment		Platform fractured; feather termination	EPC	8
RVOB-159c	6C51	1	Flake fragment		No platform; partial bulb	EPC	
RVOB-166g	6C57	2	Flake fragment		No platform; partial bulb; flake scars on both surfaces	EPC	7
RVOB-054e	7B47	3	Flake fragment		No platform; partial bulb	EPC	4
RVOB-054f	7B47	3	Flake fragment		No platform; partial bulb	EPC	4
RVOB-063d	7B54	1	Flake fragment		No platform; partial bulb	EPC	
RVOB-348b	7B56	2	Flake fragment		No platform; partial bulb; 2 arrises on dorsal surface - nacelle flake?	EPC	8
RVOB-173d	7C53	2	Flake fragment		No platform; partial bulb	EPC	7
RVOB-180h	7C58	1	Flake fragment		No platform; possibly lateral margin of prismatic blade that's been fractured off	EPC	7
RVOB-069e	8B44	1	Flake fragment		Probable prismatic blade fragment - dorsal and ventral surfaces smooth, single facets; fractured along both lateral margins	EPC	4

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RVOB-069f	8B44	1	Flake fragment		Possible core platform fragment; proximal end has one ground area; flake scars on dorsal surface, smooth ventral surface	EPC	4
RVOB-074f	8B48	2	Flake fragment		No platform; partial bulb	EPC	4
RVOB-073d	8B48	1	Flake fragment		No platform; hinge termination along right margin	EPC	4
RVOB-082b	9B40	1	Flake fragment		No platform; partial bulb	EPC	
RVOB-128d	9B50	1	Flake fragment		No platform; possibly part of prismatic blade that's been flaked off	EPC	4
RVOB-382b	9B52	1	Flake fragment		No platform; partial bulb	EPC	
RVOB-384b	9B59	3	Flake fragment		No platform; partial bulb	EPC	8
RVOB-389c	9B60	5	Flake fragment		No platform; probable prismatic blade fragment that's been flaked on both surfaces	EPC	8
RVOB-195d	9C54	2	Flake fragment		No platform; possibly part of prismatic blade - possible arrises on dorsal surface	EPC	7
RVOB-198g	9C55	1	Flake fragment		No platform; partial bulb	EPC	7
RVOB-199f	9C56	1	Flake fragment		No platform; partial bulb	EPC	7
RVOB-219b	0D53	2	Flake fragment		No platform; probably prismatic blade fragment that's been highly flaked	EPC	7
RVOB-252e	1D55	1	Flake fragment		No platform; partial bulb; hinge fracture on ventral surface	EPC	7
RVOB-277d	3B62	1	Flake fragment		No platform; partial bulb	EPC	8
RVOB-278d	3B63	1	Flake fragment		No platform; partial bulb	EPC	8
RVOB-016a	4B54	1	Flake fragment		No platform; ridges on ventral surface; flake scar on dorsal surface	EPC	

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RVOB-319d	5B62	2	Flake fragment		No platform; possible core fragment - 4 distinct facets around surface	EPC	8
RVOB-154e	5C55	1	Flake fragment		No platform; partial bulb	EPC	7
RVOB-113h	5C56	1	Flake fragment		No platform; probably fragment of prismatic blade	EPC	7
RVOB-199e	9C56	1	Flake fragment		No platform; partial bulb	EPC	7
RVOB-427b	0C51	1	Prismatic blade	Distal	Final-stage blade; distal tip intact - comes to a point	EPC	12
RVOB-208e	0D51	3	Prismatic blade	Distal	Final-stage blade; distal end intact - single, flat facet	EPC	
RVOB-255b	1B60	2	Prismatic blade	Distal	Final-stage blade; very tip broken off; snap fracture on proximal end of dorsal surface	EPC	
RVOB-103b	1C56	1	Prismatic blade	Distal	Final-stage blade; very distal tip broken off; snap fracture on proximal end of dorsal surface	EPC	
RVOB-103a	1C56	1	Prismatic blade	Distal	Final-stage blade; very distal tip broken off	EPC	
RVOB-269a	2B61	1	Prismatic blade	Distal	Final-stage blade; distal end intact - comes to a point; both margins highly flaked	EPC	
RVOB-136a	2C55	3	Prismatic blade	Distal	Final-stage blade; distal end intact - single, flat facet; outré passé curve	EPC	12
RVOB-002c	3B47	5	Prismatic blade	Distal	Final-stage blade; distal end almost entirely fractured off; partial distal tip	EPC	4
RVOB-006a	4B47	3	Prismatic blade	Distal	Final-stage blade; distal tip intact - single, flat facet; partial snap tab on proximal end of ventral surface; outré passé curve	EPC	4
RVOB-017c	4B55	1	Prismatic blade	Distal	Final-stage blade; very distal end fractured off	EPC	
RVOB-290b	4B60	1	Prismatic blade	Distal	Final-stage blade; distal tip intact - single, flat facet; outré passé curve	EPC	8
RVOB-145a	4C55	2	Prismatic blade	Distal	Final-stage blade; distal end intact - single, flat facet; slight outré passé curve	EPC	7

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RVOB-020a	5B46	4	Prismatic blade	Distal	Final-stage blade; distal tip intact - single, flat facet; outré passé curve	EPC	4
RVOB-024c	5B48	1	Prismatic blade	Distal	Final-stage blade; distal tip intact - single, flat facet; snap fracture on proximal end of ventral surface; slight outré passé curve	EPC	4
RVOB-315a	5B61	2	Prismatic blade	Distal	Final-stage blade; very tip broken off; small amount of cortex on dorsal surface	EPC	8
RVOB-318a	5B62	1	Prismatic blade	Distal	Final-stage blade; distal tip intact - comes to a point	EPC	8
RVOB-449c	5C57	1	Prismatic blade	Distal	Final-stage blade; distal tip intact - feather termination	EPC	7
RVOB-035a	6B47	8	Prismatic blade	Distal	Final-stage blade; distal tip intact - comes to a point; snap fracture on proximal end of dorsal surface	LC	4
RVOB-165a	6C57	4	Prismatic blade	Distal	Final-stage blade; distal tip of blade - several arrises coming to a point at tip	EPC	7
RVOB-167b	6C58	1	Prismatic blade	Distal	Final-stage blade; tip comes to a point	EPC	7
RVOB-446a	7B59	6, B27	Prismatic blade	Distal	Final-stage blade; distal tip intact - single, flat facet. Slightly angled to left; outré passé curve	EPC*	8
RVOB-446c	7B59	6, B27-L	Prismatic blade	Distal	Final-stage blade; distal end almost completely intact - slightly broken at very tip; comes to a point; lots of microflaking near distal end; outré passé curve	EPC*	8
RVOB-172b	7C52	2	Prismatic blade	Distal	Final-stage blade; distal tip intact - small, flat facet; outré passé curve	EPC	7
RVOB-086b	9B45	1	Prismatic blade	Distal	Final-stage blade; distal tip intact; small amount of cortex near distal end	EPC	3
RVOB-201a	9C57	3	Prismatic blade	Distal	Final-stage blade; distal tip intact - comes to point; slight outré passé curve	EPC	7
RVOB-402a	0C66	5	Prismatic blade	Distal	Final-stage blade; distal tip intact - single, flat facet; snap tab on proximal end of dorsal surface; outré passé curve	EPC	

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-422a	0C77	11	Prismatic blade	Distal	Final-stage blade; very distal tip broken off; several small facets at very end of blade	EPC	9
RV0B-114a	0D52	8	Prismatic blade	Distal	Final-stage blade; distal tip intact - single, flat facet; snap fracture on proximal end of ventral surface; outré passé curve	LC	7
RV0B-216b	0D52	10	Prismatic blade	Distal	Final-stage blade; distal end intact - single, flat facet angled toward right margin; partial snap tab on proximal end of ventral surface	LC	7
RV0B-227b	0D54	3	Prismatic blade	Distal	Final-stage blade; distal end intact - single, flat facet; probably broken off just below platform (bulb on ventral surface)	LC	7
RV0B-233a	0D55	1	Prismatic blade	Distal	Final-stage blade; distal end intact - single, flat facet; slight outré passé curve	EPC	7
RV0B-238a	0D55	6	Prismatic blade	Distal	Final-stage blade; distal tip intact - comes to a point	LC	7
RV0B-239b	0D55	7	Prismatic blade	Distal	Final-stage blade; distal end intact - single, wide flat facet	LC	7
RV0B-292a	4B60	6	Prismatic blade	Distal	Final-stage blade; very tip broken off; outré passé curve	EPC	8
RV0B-298b	4B65	1	Prismatic blade	Distal	Final-stage blade; distal tip intact - single, wide, flat facet; very thin	EPC	8
RV0B-112a	4C54	1	Prismatic blade	Distal	Final-stage blade; distal end intact - single flat facet; partial snap tab on proximal end of ventral surface	EPC	7
RV0B-113b	5C56	1	Prismatic blade	Distal	Final-stage blade; distal tip comes to a point	EPC	7
RV0B-030a	6B47	1	Prismatic blade	Distal	Final-stage blade; distal tip intact - comes to a point; partial snap tab on proximal end of ventral surface	EPC	4
RV0B-038a	6B47	11	Prismatic blade	Distal	Final-stage blade; distal tip partially intact - single, flat facet; flaking on ventral surface near proximal end; slight outré passé curve	LC	4

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-048a	6B54	1	Prismatic blade	Distal	Final-stage blade; distal end intact - single flat facet	EPC	
RV0B-327b	6B57	5	Prismatic blade	Distal	Final-stage blade; distal end intact; right lateral margin fractured off; outré passé curve	EPC	8
RV0B-333b	6B59	6	Prismatic blade	Distal	Final-stage blade; distal tip broken off; snap fracture on proximal end of ventral surface	EPC	8
RV0B-338a	6B61	6	Prismatic blade	Distal	Final-stage blade; distal tip intact - comes to a point; snap tab on proximal end of dorsal surface	EPC	8
RV0B-344c	6B65	1	Prismatic blade	Distal	Final-stage blade; distal tip intact - single flat facet	EPC	8
RV0B-349c	7B56	3	Prismatic blade	Distal	Final-stage blade; distal tip intact; proximal end fractured	EPC	8
RV0B-450b	7C53	1	Prismatic blade	Distal	Final-stage blade; distal tip nearly complete - very tip broken off; slight outré passé curve	EPC	7
RV0B-450a	7C53	1	Prismatic blade	Distal	Final-stage blade; distal end intact - large, wide, flat facet - distal end of core; may be slightly scored - bipolar core reduction?; slight outré passé curve	EPC	7
RV0B-175d	7C55	1	Prismatic blade	Distal	Final-stage blade; very distal tip broken off; snap tab on proximal end of dorsal surface	EPC	7
RV0B-378a	8B65	2	Prismatic blade	Distal	Final-stage blade; distal tip nearly completely intact - very tip snapped off; snap fracture on proximal end of dorsal surface	EPC	8
RV0B-132a	9B54	4	Prismatic blade	Distal	Final-stage blade; very distal end fractured off; outré passé curve	EPC	
RV0B-381a	9B55	1	Prismatic blade	Distal	Final-stage blade; distal tip intact; proximal end fractured	EPC	
RV0B-191l	9C53	2	Prismatic blade	Distal	Final-stage blade; very tip broken off	EPC	7
RV0B-414b	0C74	3	Prismatic blade	Distal	Final-stage blade; distal tip intact - single, flat facet; outré passé curve	EPC	9

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-114c	0D52	8	Prismatic blade	Distal	Final-stage blade; distal tip intact - multiple facets; outré passé curve	LC	7
RV0B-227a	0D54	3	Prismatic blade	Distal	Final-stage blade; distal end fractured off; snap fracture on proximal end of dorsal surface; outré passé curve	LC	7
RV0B-236c	0D55	4	Prismatic blade	Distal	Final-stage blade; curving distal end, very tip broken off	LC	7
RV0B-241a	0D56	3	Prismatic blade	Distal	Final-stage blade; very tip broken off; snap fracture on proximal end of dorsal surface	LC	7
RV0B-039a	6B48	1	Prismatic blade	Distal	Final-stage blade; very distal tip fractured off; snap fracture on proximal end of dorsal surface	EPC	4
RV0B-040b	6B49	1	Prismatic blade	Distal	Final-stage blade; distal tip flaked off; slight outré passé curve	EPC	4
RV0B-430a	1C52	1	Prismatic blade	Medial	Final-stage blade	EPC	12
RV0B-102f	1C55	1	Prismatic blade	Medial	Final-stage blade; probably segment from snapping blade into sections (see Clark and Bryant 1997)	EPC	12
RV0B-253a	1D55	2	Prismatic blade	Medial	Final-stage blade; small snap tab on proximal end of dorsal surface; highly developed polish along both margins on both surfaces	EPC	7
RV0B-432b	2C52	1	Prismatic blade	Medial	Final-stage blade	EPC	12
RV0B-049a	6B55	1	Prismatic blade	Medial	Final-stage blade; lateral margins highly flaked; proximal and distal end fractured	EPC	
RV0B-051e	7B46	3	Prismatic blade	Medial	Final-stage blade	EPC	4
RV0B-393a	9B78	1	Prismatic blade	Medial	Final-stage blade	EPC	9
RV0B-191g	9C53	2	Prismatic blade	Medial	Final-stage blade	EPC	7
RV0B-094a	0C41	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	EPC	3

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-096c	0C45	1	Prismatic blade	Medial	Final-stage blade; small, partial snap fracture on proximal end of dorsal surface	EPC	3
RV0B-097c	0C47	1	Prismatic blade	Medial	Final-stage blade; snap tab on distal end of dorsal surface	EPC	3
RV0B-133a	0C48	1	Prismatic blade	Medial	Final-stage blade; fractured on proximal and distal ends	EPC	
RV0B-098a	0C52	1	Prismatic blade	Medial	Final-stage blade; highly fractured/flaked on both surfaces	EPC	12
RV0B-099b	0C53	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of ventral surface; right lateral margin fractured off	EPC	12
RV0B-099a	0C53	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface; partial snap fracture on distal end of dorsal surface	EPC	12
RV0B-100b	0C54	1	Prismatic blade	Medial	Final-stage blade; highly fractured/flaked on both surfaces	EPC	12
RV0B-395a	0C57	1	Prismatic blade	Medial	Final-stage blade	EPC	
RV0B-398b	0C63	1	Prismatic blade	Medial	Final-stage blade	EPC	8
RV0B-401a	0C66	3	Prismatic blade	Medial	Final-stage blade; right lateral margin fractured off	EPC	
RV0B-409a	0C71	4	Prismatic blade	Medial	Final-stage blade; right lateral margin fractured off	EPC	9
RV0B-208a	0D51	3	Prismatic blade	Medial	Final-stage blade	EPC	
RV0B-217b	0D52	12	Prismatic blade	Medial	Final-stage blade; snap tab on distal end of ventral surface	LC	7
RV0B-218d	0D53	1	Prismatic blade	Medial	Final-stage blade; top half of left margin fractured off	EPC	7
RV0B-222c	0D53	5	Prismatic blade	Medial	Final-stage blade	LC	7

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-222b	0D53	5	Prismatic blade	Medial	Final-stage blade; highly flaked on both lateral margins	LC	7
RV0B-227c	0D54	3	Prismatic blade	Medial	Possible prismatic blade fragment; arrises on dorsal surface; slight outré passé curve; highly flaked along margins	LC	7
RV0B-234b	0D55	2	Prismatic blade	Medial	Probable prismatic blade fragment - very small and thin	EPC	7
RV0B-247a	0D58	6	Prismatic blade	Medial	Final-stage blade; fractured on both ends	LC	7
RV0B-247b	0D58	6	Prismatic blade	Medial	Final-stage blade; partial snap fracture on proximal end of dorsal surface	LC	7
RV0B-257a	1B60	5	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	
RV0B-429a	1C51	1	Prismatic blade	Medial	Final-stage blade; outré passé curve; sort of eccentric - concave flaking on both margins	EPC	12
RV0B-430b	1C52	1	Prismatic blade	Medial	Final-stage blade	EPC	12
RV0B-134e	1C57	1	Prismatic blade	Medial	Final-stage blade	EPC	
RV0B-252b	1D55	1	Prismatic blade	Medial	Final-stage blade; snap fractures on proximal and distal ends of dorsal surface	EPC	7
RV0B-252d	1D55	1	Prismatic blade	Medial	May or may not be blade fragment - single arris on dorsal surface; would be near very distal end of a blade	EPC	7
RV0B-267b	2B60	4	Prismatic blade	Medial	Final-stage blade; distal end fractured	EPC	8
RV0B-272b	2B64	1	Prismatic blade	Medial	Final-stage blade; one flake scar on dorsal surface; scarred on ventral surface	EPC	10
RV0B-432a	2C52	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal and snap tab on distal end of dorsal surface	EPC	12
RV0B-432d	2C52	1	Prismatic blade	Medial	Final-stage blade	EPC	12

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-137a	2C56	1	Prismatic blade	Medial	Final-stage blade; partial snap fracture on distal end of dorsal surface	EPC	
RV0B-140b	2C59	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of ventral surface	EPC	
RV0B-003a	3B47	7	Prismatic blade	Medial	Final-stage blade; right lateral margin fracture off	EPC	4
RV0B-118a	3B47	6	Prismatic blade	Medial	Final-stage blade	EPC	4
RV0B-275b	3B60	2	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface; left margin fractured off	EPC	8
RV0B-281a	3B64	8	Prismatic blade	Medial	Final-stage blade	EPC	
RV0B-440a	3C52	1	Prismatic blade	Medial	Final-stage blade	EPC	12
RV0B-448a	3C55	2	Prismatic blade	Medial	Final-stage blade; small snap fracture on proximal end of dorsal surface	EPC	12
RV0B-006b	4B47	3	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of ventral surface	EPC	4
RV0B-011c	4B50	1	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	4
RV0B-014a	4B50	4	Prismatic blade	Medial	Final-stage blade; partial snap tabs on proximal end of ventral surface and distal end of dorsal surface	EPC	4
RV0B-017a	4B55	1	Prismatic blade	Medial	Final-stage blade	EPC	
RV0B-295g	4B62	1	Prismatic blade	Medial	Final-stage blade	EPC	8
RV0B-424b	4B62	2	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of ventral surface	EPC	8
RV0B-110a	4C52	2	Prismatic blade	Medial	Final-stage blade; lots of flaking on proximal end, both surfaces	EPC	
RV0B-112f	4C54	1	Prismatic blade	Medial	Final-stage blade	EPC	7

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RVOB-144a	4C55	1	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	7
RVOB-147c	4C57	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	7
RVOB-147a	4C57	1	Prismatic blade	Medial	Final-stage blade; fractured along left lateral margin	EPC	7
RVOB-018a	5B46	1	Prismatic blade	Medial	Final-stage blade; fractured on proximal end; flaked on distal end	EPC	4
RVOB-018b	5B46	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of ventral surface	EPC	4
RVOB-023c	5B47	4	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of ventral surface; snap tab on distal end of ventral surface	EPC	4
RVOB-120b	5B47	2	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	4
RVOB-021a	5B47	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface; snap fracture on distal end of dorsal surface	EPC	4
RVOB-023a	5B47	4	Prismatic blade	Medial	Final-stage blade	EPC	4
RVOB-120d	5B47	2	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	EPC	4
RVOB-024d	5B48	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	EPC	4
RVOB-026a	5B51	1	Prismatic blade	Medial	Final-stage blade; fractured on proximal and distal ends	EPC	4
RVOB-026b	5B51	1	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of ventral surface	EPC	4
RVOB-315e	5B61	2	Prismatic blade	Medial	Final-stage blade	EPC	8
RVOB-315c	5B61	2	Prismatic blade	Medial	Final-stage blade; snap fractures on proximal and distal ends of ventral surface	EPC	8

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-318e	5B62	1	Prismatic blade	Medial	Final-stage blade	EPC	8
RV0B-322b	5B64	1	Prismatic blade	Medial	Final-stage blade; snap tab on distal end of ventral surface	EPC	8
RV0B-151b	5C51	2	Prismatic blade	Medial	Final-stage blade; partial snap tab on distal end of dorsal surface	EPC	
RV0B-153a	5C53	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	EPC	7
RV0B-154a	5C55	1	Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of ventral surface	EPC	7
RV0B-113d	5C56	1	Prismatic blade	Medial	Final-stage blade	EPC	7
RV0B-449b	5C57	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of ventral surface	EPC	7
RV0B-157c	5C58	2	Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of ventral surface	EPC	7
RV0B-157a	5C58	2	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	7
RV0B-157d	5C58	2	Prismatic blade	Medial	Final-stage blade	EPC	7
RV0B-031d	6B47	2	Prismatic blade	Medial	Final-stage blade	EPC	4
RV0B-030b	6B47	1	Prismatic blade	Medial	Final-stage blade; fractured on proximal and distal ends	EPC	4
RV0B-031a	6B47	2	Prismatic blade	Medial	Final-stage blade; slight outré passé curve	EPC	4
RV0B-031b	6B47	2	Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of ventral surface	EPC	4
RV0B-031f	6B47	2	Prismatic blade	Medial	Final-stage blade	EPC	4
RV0B-032a	6B47	3	Prismatic blade	Medial	Final-stage blade; highly flaked on both lateral margins	EPC	4

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RVOB-121b	6B48	2	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of ventral surface; snap tab on distal end of ventral surface	EPC	4
RVOB-121c	6B48	2	Prismatic blade	Medial	Final-stage blade	EPC	4
RVOB-040a	6B49	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface; distal end partially crushed	EPC	4
RVOB-042a	6B49	3	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	4
RVOB-043a	6B50	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface; distal end fractured	EPC	4
RVOB-046a	6B51	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface; snap tab on distal end of dorsal surface	EPC	4
RVOB-046c	6B51	1	Prismatic blade	Medial	Final-stage blade; fractured on proximal and distal ends	EPC	4
RVOB-049b	6B55	1	Prismatic blade	Medial	Final-stage blade; partial snap fracture on proximal end of dorsal surface	EPC	
RVOB-162b	6C54	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface; right lateral margin slightly fractured off	EPC	7
RVOB-163a	6C55	1	Prismatic blade	Medial	Final-stage blade	EPC	7
RVOB-163b	6C55	1	Prismatic blade	Medial	Final-stage blade; distal end fractured	EPC	7
RVOB-163c	6C55	1	Prismatic blade	Medial	Final-stage blade; both margins fractured	EPC	7
RVOB-163e	6C55	1	Prismatic blade	Medial	Final-stage blade	EPC	7
RVOB-163f	6C55	1	Prismatic blade	Medial	Final-stage blade; flake scars on dorsal surface	EPC	7
RVOB-166e	6C57	2	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	EPC	7

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RVOB-168c	6C58	2	Prismatic blade	Medial	Final-stage blade; fractured on proximal end; partial snap fracture on distal end of dorsal surface	EPC	7
RVOB-052a	7B47	1	Prismatic blade	Medial	Final-stage blade; fractured on proximal end	EPC	4
RVOB-057b	7B48	3	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of ventral surface	EPC	4
RVOB-056h	7B48	2	Prismatic blade	Medial	Final-stage blade	EPC	4
RVOB-058a	7B49	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on distal end of dorsal surface	EPC	4
RVOB-059a	7B49	2	Prismatic blade	Medial	Final-stage blade; flake removed from proximal end of ventral surface	EPC	4
RVOB-062a	7B53	1	Prismatic blade	Medial	Final-stage blade	EPC	
RVOB-062b	7B53	1	Prismatic blade	Medial	Final-stage blade	EPC	
RVOB-062e	7B53	1	Prismatic blade	Medial	Final-stage blade	EPC	
RVOB-365b	7B64	2	Prismatic blade	Medial	Final-stage blade; right lateral margin fracture off	EPC	8
RVOB-175a	7C55	1	Prismatic blade	Medial	Final-stage blade; partial snap fractures on proximal and distal ends of ventral surface	EPC	7
RVOB-176a	7C56	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of ventral surface	EPC	7
RVOB-177c	7C56	2	Prismatic blade	Medial	Final-stage blade; lots of flaking on both surfaces	EPC	7
RVOB-178a	7C57	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of ventral surface	EPC	7
RVOB-179d	7C57	2	Prismatic blade	Medial	Final-stage blade	EPC	7
RVOB-064c	8B40	1	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	4

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RVOB-064b	8B40	1	Prismatic blade	Medial	Final-stage blade; fractured on distal end	EPC	4
RVOB-065c	8B41	1	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	4
RVOB-067a	8B43	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of ventral surface	EPC	4
RVOB-068a	8B43	2	Prismatic blade	Medial	Final-stage blade; fractured on proximal and distal ends	EPC	4
RVOB-069b	8B44	1	Prismatic blade	Medial	Final-stage blade; flake scars on both surfaces	EPC	4
RVOB-070a	8B45	1	Prismatic blade	Medial	Final-stage blade	EPC	4
RVOB-071d	8B46	1	Prismatic blade	Medial	Final-stage blade	EPC	4
RVOB-077a	8B52	1	Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of dorsal surface	EPC	
RVOB-079a	8B55	2	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	
RVOB-079b	8B55	2	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	
RVOB-370a	8B59	6	Prismatic blade	Medial	Final-stage blade; proximal end very thin	EPC	8
RVOB-375a	8B61	1	Prismatic blade	Medial	Final-stage blade; snap fractures on proximal end of ventral surface and distal end of dorsal surface	EPC	8
RVOB-186c	8C56	1	Prismatic blade	Medial	Final-stage blade	EPC	7
RVOB-186a	8C56	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface; distal tip broken off	EPC	7
RVOB-188a	8C58	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of ventral surface	EPC	7
RVOB-083a	9B41	1	Prismatic blade	Medial	Final-stage blade; snap fractures on proximal and distal ends of dorsal surface	EPC	

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-126b	9B47	5	Prismatic blade	Medial	Final-stage blade	EPC	4
RV0B-128a	9B50	1	Prismatic blade	Medial	Final-stage blade; flake scars on both surfaces	EPC	4
RV0B-090a	9B51	1	Prismatic blade	Medial	Final-stage blade; partial snap fractures on proximal and distal ends of ventral surface	EPC	
RV0B-380b	9B54	1	Prismatic blade	Medial	Final-stage blade	EPC	
RV0B-380a	9B54	1	Prismatic blade	Medial	Final-stage blade; snap fractures on proximal and distal ends of dorsal surface	EPC	
RV0B-383a	9B57	1	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	8
RV0B-385a	9B59	5	Prismatic blade	Medial	Final-stage blade; snap tab on proximal and snap fracture on distal end of dorsal surface	EPC	8
RV0B-392b	9B66	1	Prismatic blade	Medial	Final-stage blade	EPC	8
RV0B-407a	9B77	2	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface; snap fracture on distal end of ventral surface	EPC	9
RV0B-194c	9C54	1	Prismatic blade	Medial	Final-stage blade; large flakes removed from proximal and distal ends of ventral surface	EPC	7
RV0B-195a	9C54	2	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface; snap fracture on distal end of ventral surface	EPC	7
RV0B-199a	9C56	1	Prismatic blade	Medial	Final-stage blade	EPC	7
RV0B-199b	9C56	1	Prismatic blade	Medial	Final-stage blade; fractured on proximal end	EPC	7
RV0B-205c	9C58	4	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	EPC	7
RV0B-093a	0C39	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of ventral surface; may be a sort of "repair" blade - flake scar along right lateral margin	EPC	3

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-095a	0C42	1	Prismatic blade	Medial	Final-stage blade	EPC	3
RV0B-427a	0C51	1	Prismatic blade	Medial	Final-stage blade	EPC	12
RV0B-394a	0C56	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on distal end of dorsal surface	EPC	
RV0B-441b	0C62	1	Prismatic blade	Medial	Final-stage blade	EPC	
RV0B-400a	0C65	1	Prismatic blade	Medial	Final-stage blade; partial snap fracture on distal end of dorsal surface	EPC	8
RV0B-403b	0C66	10	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of ventral surface	EPC	
RV0B-404a	0C66	13	Prismatic blade	Medial	Final-stage blade; right lateral margin fractured off; snap fracture on distal end of dorsal surface	LC*	
RV0B-409b	0C71	4	Prismatic blade	Medial	Final-stage blade; small snap fracture on proximal end of dorsal surface	EPC	9
RV0B-411a	0C73	2	Prismatic blade	Medial	Final-stage blade	EPC	9
RV0B-413a	0C74	2	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	9
RV0B-405a	0C75	3	Prismatic blade	Medial	Final-stage blade; proximal end fractured	EPC	9
RV0B-416a	0C76	5	Prismatic blade	Medial	Final-stage blade; partial snap fracture on distal end of dorsal surface	EPC	9
RV0B-415a	0C76	3	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	EPC	9
RV0B-418b	0C76	8	Prismatic blade	Medial	Final-stage blade	EPC	9
RV0B-419a	0C76	10	Prismatic blade	Medial	Final-stage blade; ventral surface flaked off	EPC	9
RV0B-421a	0C77	5	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of ventral surface	EPC	9

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-208b	0D51	3	Prismatic blade	Medial	Final-stage blade	EPC	
RV0B-206a	0D51	1	Prismatic blade	Medial	Final-stage blade; partial snap fractures on proximal and distal ends of dorsal surface	EPC	
RV0B-206b	0D51	1	Prismatic blade	Medial	Final-stage blade; snap tab on distal end of dorsal surface	EPC	
RV0B-206c	0D51	1	Prismatic blade	Medial	Final-stage blade	EPC	
RV0B-208f	0D51	3	Prismatic blade	Medial	Final-stage blade; right lateral margin fractured off	EPC	
RV0B-214b	0D52	5	Prismatic blade	Medial	Final-stage blade; fractured on both ends	EPC	7
RV0B-217a	0D52	12	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	LC	7
RV0B-212a	0D52	3	Prismatic blade	Medial	Final-stage blade	EPC	7
RV0B-215b	0D52	9	Prismatic blade	Medial	Final-stage blade	LC	7
RV0B-216a	0D52	10	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	LC	7
RV0B-210b	0D52	1	Prismatic blade	Medial	Final-stage blade; snap tab on distal end of dorsal surface	EPC	7
RV0B-224a	0D53	7	Prismatic blade	Medial	Final-stage blade	LC	7
RV0B-220b	0D53	3	Prismatic blade	Medial	Final-stage blade	LC	7
RV0B-222e	0D53	5	Prismatic blade	Medial	Final-stage blade	LC	7
RV0B-223a	0D53	6	Prismatic blade	Medial	Final-stage blade	LC	7
RV0B-223h	0D53	6	Prismatic blade	Medial	Final-stage blade	LC	7

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-221b	0D53	4	Prismatic blade	Medial	Final-stage blade; partial snap tabs on proximal and distal ends of dorsal surface	LC	7
RV0B-220a	0D53	3	Prismatic blade	Medial	Final-stage blade; wider and thinner than most; irregular arrises on dorsal surface	LC	7
RV0B-223b	0D53	6	Prismatic blade	Medial	Final-stage blade	LC	7
RV0B-223d	0D53	6	Prismatic blade	Medial	Final-stage blade	LC	7
RV0B-221a	0D53	4	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	LC	7
RV0B-222a	0D53	5	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	LC	7
RV0B-223c	0D53	6	Prismatic blade	Medial	Final-stage blade	LC	7
RV0B-223e	0D53	6	Prismatic blade	Medial	Final-stage blade; small snap fractures on proximal and distal ends of dorsal surface	LC	7
RV0B-223f	0D53	6	Prismatic blade	Medial	Final-stage blade; left lateral margin fractured off	LC	7
RV0B-228a	0D54	4	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of ventral surface	LC	7
RV0B-229a	0D54	5	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	LC	7
RV0B-225d	0D54	1	Prismatic blade	Medial	Final-stage blade	EPC	7
RV0B-226a	0D54	2	Prismatic blade	Medial	Final-stage blade; snap fractures/flaking on proximal and distal ends of ventral surface	EPC	7
RV0B-229b	0D54	5	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	LC	7
RV0B-225a	0D54	1	Prismatic blade	Medial	Final-stage blade; snap fractures on proximal and distal ends of dorsal surface	EPC	7
RV0B-225c	0D54	1	Prismatic blade	Medial	Final-stage blade	EPC	7

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-230a	OD54	5	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of ventral surface; right half of dorsal surface covered in cortex	LC	7
RV0B-231a	OD54	6	Prismatic blade	Medial	Final-stage blade; partial snap fracture on proximal end of dorsal surface	LC	7
RV0B-232c	OD54	7	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface; partial snap fracture on distal end of dorsal surface	LC	7
RV0B-233b	OD55	1	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	7
RV0B-239d	OD55	7	Prismatic blade	Medial	Final-stage blade; right lateral margin fractured off	LC	7
RV0B-238c	OD55	6	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	LC	7
RV0B-238e	OD55	6	Prismatic blade	Medial	May or may not be blade fragment - single arris on dorsal surface; would be very distal end of a blade	LC	7
RV0B-233c	OD55	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	7
RV0B-233d	OD55	1	Prismatic blade	Medial	Final-stage blade; both margins fractured	EPC	7
RV0B-234a	OD55	2	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	7
RV0B-235a	OD55	3	Prismatic blade	Medial	Final-stage blade; proximal end crushed	LC	7
RV0B-239c	OD55	7	Prismatic blade	Medial	Final-stage blade	EPC	7
RV0B-240a	OD56	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of ventral surface	EPC	7
RV0B-242b	OD56	4	Prismatic blade	Medial	Final-stage blade; distal end fractured	LC	7
RV0B-244d	OD56	7	Prismatic blade	Medial	Final-stage blade; partial snap tabs on proximal and distal ends of dorsal surface	LC	7

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RVOB-443a	0D56	2	Prismatic blade	Medial	Final-stage blade	EPC	7
RVOB-242c	0D56	4	Prismatic blade	Medial	Final-stage blade; fractured on both ends	LC	7
RVOB-242d	0D56	4	Prismatic blade	Medial	Final-stage blade; partial snap fracture on distal end of dorsal surface	LC	7
RVOB-244e	0D56	7	Prismatic blade	Medial	Final-stage blade	LC	7
RVOB-240b	0D56	1	Prismatic blade	Medial	Final-stage blade; fractured on proximal end	EPC	7
RVOB-241b	0D56	3	Prismatic blade	Medial	Final-stage blade; fractured on both ends	LC	7
RVOB-244a	0D56	7	Prismatic blade	Medial	Final-stage blade; right lateral margin partially fractured off	LC	7
RVOB-246b	0D58	5	Prismatic blade	Medial	Final-stage blade; partial snap tab on distal end of dorsal surface	LC	7
RVOB-249c	0D58	8	Prismatic blade	Medial	Final-stage blade	LC	7
RVOB-431a	1C53	1	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	12
RVOB-431b	1C53	1	Prismatic blade	Medial	Final-stage blade; probably near distal end; slight outré passé curve	EPC	12
RVOB-431d	1C53	1	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	EPC	12
RVOB-102b	1C55	1	Prismatic blade	Medial	Final-stage blade; partial snap fracture on proximal end of dorsal surface	EPC	12
RVOB-102c	1C55	1	Prismatic blade	Medial	Final-stage blade; partial snap fracture on distal end of ventral surface	EPC	12
RVOB-103c	1C56	1	Prismatic blade	Medial	Final-stage blade; fractured on proximal and distal ends	EPC	
RVOB-134c	1C57	1	Prismatic blade	Medial	Final-stage blade	EPC	

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-135c	1C59	1	Prismatic blade	Medial	Final-stage blade; part of left lateral margin fractured	EPC	
RV0B-254a	1D55	3	Prismatic blade	Medial	Final-stage blade; very large!; fractured on both ends; slight outward curving	EPC	7
RV0B-253b	1D55	2	Prismatic blade	Medial	Final-stage blade; snap tab on distal end of dorsal surface	EPC	7
RV0B-254b	1D55	3	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface; distal end fractured	EPC	7
RV0B-264b	2B56	8	Prismatic blade	Medial	Final-stage blade	EPC	8
RV0B-265a	2B56	9	Prismatic blade	Medial	Final-stage blade	EPC	8
RV0B-258a	2B56	1	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	EPC	8
RV0B-267a	2B60	4	Prismatic blade	Medial	Final-stage blade; small, partial snap fracture on proximal end of ventral surface	EPC	8
RV0B-272e	2B64	1	Prismatic blade	Medial	Final-stage blade; right margin fractured off; probably refits w/ other opaque gray pieces in this lot	EPC	10
RV0B-272f	2B64	1	Prismatic blade	Medial	Final-stage blade; small fragment; probably refits w/ other opaque gray pieces in this lot	EPC	10
RV0B-272g	2B64	1	Prismatic blade	Medial	Final-stage blade; small fragment; probably refits w/ other opaque gray pieces in this lot	EPC	10
RV0B-272h	2B64	1	Prismatic blade	Medial	Final-stage blade; small fragments; probably refits w/ other opaque gray pieces in this lot	EPC	10
RV0B-439a	2C51	1	Prismatic blade	Medial	Final-stage blade; snap tab on proximal and snap fracture on distal end of dorsal surface	EPC	12
RV0B-439ac	2C51	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal and snap tab on distal end of dorsal surface	EPC	12
RV0B-432c	2C52	1	Prismatic blade	Medial	Final-stage blade	EPC	12
RV0B-433a	2C53	1	Prismatic blade	Medial	Final-stage blade; both margins fractured about 1/2 way down blade	EPC	12

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-105a	2C54	2	Prismatic blade	Medial	Final-stage blade; fractured on proximal end	EPC	12
RV0B-136b	2C55	3	Prismatic blade	Medial	Final-stage blade	EPC	12
RV0B-139a	2C58	1	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	
RV0B-117a	3B47	4	Prismatic blade	Medial	Final-stage blade; snap fractures on proximal end of ventral surface and distal end of dorsal surface	EPC	4
RV0B-001a	3B47	3	Prismatic blade	Medial	Final-stage blade; fractured along right lateral margin and on distal end	EPC	4
RV0B-116a	3B47	2	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	EPC	4
RV0B-116b	3B47	2	Prismatic blade	Medial	Final-stage blade	EPC	4
RV0B-275a	3B60	2	Prismatic blade	Medial	Final-stage blade; snap fractures on proximal and distal end of dorsal surface	EPC	8
RV0B-277c	3B62	1	Prismatic blade	Medial	Final-stage blade; right lateral margin fractured off	EPC	8
RV0B-277b	3B62	1	Prismatic blade	Medial	Final-stage blade	EPC	8
RV0B-279a	3B64	2	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	
RV0B-282a	3B65	1	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	
RV0B-107a	3C53	3	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	12
RV0B-107b	3C53	3	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of ventral surface	EPC	12
RV0B-107c	3C53	3	Prismatic blade	Medial	Final-stage blade; probably near distal end	EPC	12

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RVOB-108a	3C54	2	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of ventral surface; snap fracture on distal end of ventral surface	EPC	12
RVOB-142a	3C57	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	
RVOB-143a	3C59	1	Prismatic blade	Medial	Final-stage blade; pressure scars on ventral surface	EPC	
RVOB-005a	4B47	2	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end; distal end fractured off	EPC	4
RVOB-119b	4B47	4	Prismatic blade	Medial	Final-stage blade; left lateral margin fractured off	EPC	4
RVOB-119a	4B47	4	Prismatic blade	Medial	Final-stage blade; small snap fracture on proximal end of ventral surface	EPC	4
RVOB-008b	4B48	2	Prismatic blade	Medial	Final-stage blade; right lateral margin fractured off; snap tab on proximal end of dorsal surface	EPC	4
RVOB-008a	4B48	2	Prismatic blade	Medial	Final-stage blade; snap tabs on proximal and distal ends of dorsal surface	EPC	4
RVOB-008c	4B48	2	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	EPC	4
RVOB-009a	4B48	3	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	4
RVOB-010d	4B49	1	Prismatic blade	Medial	Final-stage blade; fractured on proximal and distal ends	EPC	4
RVOB-010b	4B49	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of ventral surface; partial snap tab on distal end of dorsal surface	EPC	4
RVOB-010c	4B49	1	Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of dorsal surface	EPC	4
RVOB-011a	4B50	1	Prismatic blade	Medial	Final-stage blade; fractured on proximal and distal ends	EPC	4
RVOB-011b	4B50	1	Prismatic blade	Medial	Final-stage blade; snap tab on distal end of dorsal surface	EPC	4

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RVOB-012a	4B50	2	Prismatic blade	Medial	Final-stage blade	EPC	4
RVOB-015a	4B53	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	
RVOB-017b	4B55	1	Prismatic blade	Medial	Final-stage blade	EPC	
RVOB-286a	4B57	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	EPC	8
RVOB-286b	4B57	1	Prismatic blade	Medial	Final-stage blade; fractured on both ends	EPC	8
RVOB-287a	4B58	1	Prismatic blade	Medial	Final-stage blade; large flake removed from dorsal surface	EPC	8
RVOB-287c	4B58	1	Prismatic blade	Medial	Final-stage blade; flake removed from ventral surface	EPC	8
RVOB-287d	4B58	1	Prismatic blade	Medial	Final-stage blade	EPC	8
RVOB-289c	4B59	6	Prismatic blade	Medial	Final-stage blade; possible core rejuvenation flake - arrises on dorsal surface but bulb of percussion and crushed platform perpendicular to margins on ventral surface	EPC	8
RVOB-289d	4B59	6	Prismatic blade	Medial	Final-stage blade	EPC	8
RVOB-291a	4B60	4	Prismatic blade	Medial	Final-stage blade	EPC	8
RVOB-290a	4B60	1	Prismatic blade	Medial	Final-stage blade; left lateral margin fractured off	EPC	8
RVOB-294a	4B60	8	Prismatic blade	Medial	Final-stage blade	EPC	8
RVOB-296i	4B62	1	Prismatic blade	Medial	Final-stage blade; partial snap tabs on proximal and distal ends of dorsal surface	EPC	8
RVOB-295f	4B62	1	Prismatic blade	Medial	Final-stage blade; small snap fracture on proximal end of dorsal surface	EPC	8

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-295d	4B62	1	Prismatic blade	Medial	Final-stage blade; right lateral margin fractured off	EPC	8
RV0B-295e	4B62	1	Prismatic blade	Medial	Final-stage blade; right lateral margin fractured off	EPC	8
RV0B-424a	4B62	2	Prismatic blade	Medial	Final-stage blade	EPC	8
RV0B-297a	4B63	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of ventral surface; right lateral margin fractured off	EPC	8
RV0B-298c	4B65	1	Prismatic blade	Medial	Final-stage blade	EPC	8
RV0B-298a	4B65	1	Prismatic blade	Medial	Final-stage blade	EPC	8
RV0B-435b	4C51	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of ventral surface	EPC	
RV0B-435a	4C51	1	Prismatic blade	Medial	Final-stage blade; partial snap fracture on proximal end of ventral surface	EPC	
RV0B-111e	4C53	1	Prismatic blade	Medial	Final-stage blade	EPC	7
RV0B-111c	4C53	1	Prismatic blade	Medial	Final-stage blade	EPC	7
RV0B-111b	4C53	1	Prismatic blade	Medial	Final-stage blade	EPC	7
RV0B-111d	4C53	1	Prismatic blade	Medial	Final-stage blade	EPC	7
RV0B-112c	4C54	1	Prismatic blade	Medial	Final-stage blade; large flake removed from ventral surface	EPC	7
RV0B-145c	4C55	2	Prismatic blade	Medial	Final-stage blade; right lateral margin slightly fractured	EPC	7
RV0B-145b	4C55	2	Prismatic blade	Medial	Final-stage blade	EPC	7
RV0B-146a	4C56	1	Prismatic blade	Medial	Final-stage blade; proximal and distal ends fractured	EPC	7

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-149b	4C59	1	Prismatic blade	Medial	Final-stage blade	EPC	
RV0B-020b	5B46	4	Prismatic blade	Medial	Final-stage blade; pressure flake scars on dorsal and ventral surfaces	EPC	4
RV0B-120f	5B47	2	Prismatic blade	Medial	Final-stage blade	EPC	4
RV0B-023b	5B47	4	Prismatic blade	Medial	Final-stage blade; partial snap fracture on distal end of dorsal surface	EPC	4
RV0B-024e	5B48	1	Prismatic blade	Medial	Final-stage blade	EPC	4
RV0B-024b	5B48	1	Prismatic blade	Medial	Final-stage blade; fractured on proximal and distal ends; flake scar on proximal end of dorsal surface; lots of visible striae and polish on lateral margins	EPC	4
RV0B-024a	5B48	1	Prismatic blade	Medial	Final-stage blade; fractured on proximal and distal ends	EPC	4
RV0B-025d	5B49	1	Prismatic blade	Medial	Final-stage blade; snap fractures on proximal and distal ends of dorsal surface	EPC	4
RV0B-025e	5B49	1	Prismatic blade	Medial	Final-stage blade; partial snap tabs on proximal end of ventral surface and distal end of dorsal surface	EPC	4
RV0B-027a	5B53	1	Prismatic blade	Medial	Final-stage blade; fractured on proximal and distal ends	EPC	
RV0B-029a	5B55	1	Prismatic blade	Medial	Final-stage blade	EPC	
RV0B-300a	5B57	2	Prismatic blade	Medial	Final-stage blade; left lateral margin of a prismatic blade	EPC	8
RV0B-302b	5B57	5	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	EPC	8
RV0B-304a	5B58	1	Prismatic blade	Medial	Final-stage blade	EPC	8
RV0B-306a	5B58	3	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of ventral surface	EPC	8

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RVOB-306b	5B58	3	Prismatic blade	Medial	Final-stage blade; proximal end fractured	EPC	8
RVOB-309a	5B59	8	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface; snap fracture on distal end of ventral surface	EPC	8
RVOB-311a	5B59	17	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	8
RVOB-311b	5B59	17	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface; proximal end fractured	EPC	8
RVOB-310a	5B59	10	Prismatic blade	Medial	Possible final-stage blade; may be a crested blade or other similar implement; single arris on dorsal surface; asymmetrical margins	EPC	8
RVOB-312a	5B60	15	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of ventral surface	EPC	8
RVOB-316a	5B61	5	Prismatic blade	Medial	Final-stage blade; left lateral margin fractured off	EPC	8
RVOB-315f	5B61	2	Prismatic blade	Medial	Final-stage blade; right margin fractured off	EPC	8
RVOB-315g	5B61	2	Prismatic blade	Medial	Final-stage blade; small snap fracture on proximal end of dorsal surface	EPC	8
RVOB-315d	5B61	2	Prismatic blade	Medial	Final-stage blade; snap fractures on proximal end of dorsal surface and distal end of ventral surface	EPC	8
RVOB-315b	5B61	2	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of ventral surface; snap fracture on distal end of ventral surface	EPC	8
RVOB-317a	5B62	1	Prismatic blade	Medial	Final-stage blade (?); left lateral margin fractured off	EPC	8
RVOB-319b	5B62	2	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of ventral surface; snap fracture on distal end of ventral surface	EPC	8
RVOB-319a	5B62	2	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	EPC	8

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RVOB-319c	5B62	2	Prismatic blade	Medial	Final-stage blade; very thin; flake scar down entire dorsal surface	EPC	8
RVOB-318d	5B62	1	Prismatic blade	Medial	Final-stage blade; small snap fracture on proximal end of ventral surface	EPC	8
RVOB-321a	5B63	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	8
RVOB-324b	5B65	1	Prismatic blade	Medial	Final-stage blade; distal end fractured	EPC	8
RVOB-324c	5B65	1	Prismatic blade	Medial	Final-stage blade	EPC	8
RVOB-324a	5B65	1	Prismatic blade	Medial	Final-stage blade; fractured on both ends	EPC	8
RVOB-151c	5C51	2	Prismatic blade	Medial	Final-stage blade	EPC	
RVOB-154c	5C55	1	Prismatic blade	Medial	Final-stage blade; fractured on proximal and distal ends	EPC	7
RVOB-154b	5C55	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	7
RVOB-113c	5C56	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	7
RVOB-155a	5C56	2	Prismatic blade	Medial	Final-stage blade; partial snap fracture on distal end of dorsal surface	EPC	7
RVOB-113a	5C56	1	Prismatic blade	Medial	Final-stage blade; lots of flaking on both surfaces	EPC	7
RVOB-157b	5C58	2	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	7
RVOB-158a	5C59	1	Prismatic blade	Medial	Final-stage blade; very flaked on both surfaces	EPC	
RVOB-438a	6B46	1	Prismatic blade	Medial	Final-stage blade; fractured on both ends	EPC	4
RVOB-031g	6B47	2	Prismatic blade	Medial	Final-stage blade; fractured on distal end	EPC	4

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-033a	6B47	6	Prismatic blade	Medial	Final-stage blade; fractured on distal end	EPC	4
RV0B-034a	6B47	7	Prismatic blade	Medial	Final-stage blade; fractured on distal end	EPC	4
RV0B-034b	6B47	7	Prismatic blade	Medial	Final-stage blade	EPC	4
RV0B-032c	6B47	3	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	4
RV0B-032d	6B47	3	Prismatic blade	Medial	Final-stage blade	EPC	4
RV0B-030d	6B47	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of ventral surface	EPC	4
RV0B-031e	6B47	2	Prismatic blade	Medial	Final-stage blade	EPC	4
RV0B-039b	6B48	1	Prismatic blade	Medial	Final-stage blade; small snap fracture on proximal end of ventral surface	EPC	4
RV0B-121a	6B48	2	Prismatic blade	Medial	Final-stage blade; partial snap tab on distal end of ventral surface	EPC	4
RV0B-039c	6B48	1	Prismatic blade	Medial	Final-stage blade; may actually be a small flake/bladelet - platform crushed and flat facet on distal end	EPC	4
RV0B-042b	6B49	3	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of ventral surface	EPC	4
RV0B-045b	6B50	2	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	EPC	4
RV0B-045c	6B50	2	Prismatic blade	Medial	Final-stage blade	EPC	4
RV0B-046b	6B51	1	Prismatic blade	Medial	Final-stage blade; fractured on proximal and distal ends	EPC	4
RV0B-047a	6B52	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface; distal end fractured	EPC	
RV0B-047b	6B52	1	Prismatic blade	Medial	Final-stage blade; fractured on proximal and distal ends	EPC	

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-049c	6B55	1	Prismatic blade	Medial	Final-stage blade	EPC	
RV0B-326a	6B57	3	Prismatic blade	Medial	Final-stage blade; large flake removed from dorsal surface	EPC	8
RV0B-445b	6B57	4	Prismatic blade	Medial	Final-stage blade; proximal end fractured	EPC	8
RV0B-329a	6B58	3	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface; snap fracture on distal end of ventral surface	EPC	8
RV0B-329b	6B58	3	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of ventral surface	EPC	8
RV0B-332a	6B59	5	Prismatic blade	Medial	Final-stage blade; fractured on both ends	EPC	8
RV0B-334a	6B59	8	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	8
RV0B-333a	6B59	6	Prismatic blade	Medial	Final-stage blade; ground platform (fine); snap fracture on distal end of ventral surface	EPC	8
RV0B-337a	6B60	6	Prismatic blade	Medial	Final-stage blade	EPC	8
RV0B-340a	6B62	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface; partial snap tab on distal end of dorsal surface	EPC	8
RV0B-341c	6B63	1	Prismatic blade	Medial	Final-stage blade; right lateral margin fractured off	EPC	8
RV0B-341b	6B63	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on distal end of dorsal surface	EPC	8
RV0B-341a	6B63	1	Prismatic blade	Medial	Final-stage blade; snap fractures on proximal and distal ends of dorsal surface	EPC	8
RV0B-342a	6B64	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	EPC	8
RV0B-343a	6B64	2	Prismatic blade	Medial	Final-stage blade; snap tab on distal end of dorsal surface	EPC	8

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-345b	6B66	1	Prismatic blade	Medial	Final-stage blade	EPC	8
RV0B-159b	6C51	1	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	
RV0B-162c	6C54	1	Prismatic blade	Medial	Final-stage blade	EPC	7
RV0B-163d	6C55	1	Prismatic blade	Medial	Final-stage blade; left lateral margin fractured off	EPC	7
RV0B-164a	6C56	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface; snap tab on distal end of ventral surface	EPC	7
RV0B-166a	6C57	2	Prismatic blade	Medial	Final-stage blade	EPC	7
RV0B-166c	6C57	2	Prismatic blade	Medial	Final-stage blade; small snap fractures on proximal and distal ends of ventral surface	EPC	7
RV0B-168a	6C58	2	Prismatic blade	Medial	Final-stage blade; fractured on proximal and distal ends	EPC	7
RV0B-168b	6C58	2	Prismatic blade	Medial	Final-stage blade; fractured on distal end	EPC	7
RV0B-168d	6C58	2	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	7
RV0B-051a	7B46	3	Prismatic blade	Medial	Final-stage blade; fractured on proximal and distal ends	EPC	4
RV0B-050a	7B46	2	Prismatic blade	Medial	Final-stage blade; snap fractures on proximal and distal ends of dorsal surface	EPC	4
RV0B-050b	7B46	2	Prismatic blade	Medial	Final-stage blade; small snap fracture on proximal end of ventral surface	EPC	4
RV0B-050c	7B46	2	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of ventral surface; partial snap fracture on distal end of ventral surface	EPC	4
RV0B-051b	7B46	3	Prismatic blade	Medial	Final-stage blade; two facets coming into center arris on distal end	EPC	4

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-051c	7B46	3	Prismatic blade	Medial	Final-stage blade	EPC	4
RV0B-052b	7B47	1	Prismatic blade	Medial	Final-stage blade	EPC	4
RV0B-054c	7B47	3	Prismatic blade	Medial	Final-stage blade; highly fractured on both lateral margins	EPC	4
RV0B-052d	7B47	1	Prismatic blade	Medial	Final-stage blade	EPC	4
RV0B-053b	7B47	2	Prismatic blade	Medial	Final-stage blade; proximal end fractured	EPC	4
RV0B-056i	7B48	2	Prismatic blade	Medial	Final-stage blade; flaked on ventral surface	EPC	4
RV0B-056e	7B48	2	Prismatic blade	Medial	Final-stage blade	EPC	4
RV0B-057c	7B48	3	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of ventral surface	EPC	4
RV0B-057d	7B48	3	Prismatic blade	Medial	Final-stage blade	EPC	4
RV0B-056k	7B48	2	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface; fractured on distal end	EPC	4
RV0B-056c	7B48	2	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	EPC	4
RV0B-056f	7B48	2	Prismatic blade	Medial	Final-stage blade; snap fractures on proximal and distal ends of ventral surface	EPC	4
RV0B-056j	7B48	2	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of ventral surface	EPC	4
RV0B-057a	7B48	3	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	EPC	4
RV0B-059ac	7B49	2	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface; fractured on distal end	EPC	4
RV0B-059e	7B49	2	Prismatic blade	Medial	Lateral margin of final-stage blade	EPC	4

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-058b	7B49	1	Prismatic blade	Medial	Final-stage blade; small snap fracture on proximal end of dorsal surface	EPC	4
RV0B-059b	7B49	2	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	4
RV0B-346b	7B51	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	EPC	4
RV0B-061a	7B52	1	Prismatic blade	Medial	Final-stage blade	EPC	
RV0B-063a	7B54	1	Prismatic blade	Medial	Final-stage blade; small snap fracture on proximal end of dorsal surface	EPC	
RV0B-063c	7B54	1	Prismatic blade	Medial	Final-stage blade; left lateral margin fractured off	EPC	
RV0B-122b	7B55	1	Prismatic blade	Medial	Final-stage blade	EPC	
RV0B-347a	7B56	1	Prismatic blade	Medial	Final-stage blade	EPC	8
RV0B-348a	7B56	2	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of ventral surface; distal end fractured	EPC	8
RV0B-349a	7B56	3	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	EPC	8
RV0B-351a	7B57	4	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	8
RV0B-351b	7B57	4	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	EPC	8
RV0B-350a	7B57	1	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface; proximal end fractured	EPC	8
RV0B-352a	7B58	2	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface; right lateral margin fractured off	EPC	8
RV0B-352b	7B58	2	Prismatic blade	Medial	Final-stage blade; partial snap fractures on proximal and distal end of dorsal surface	EPC	8
RV0B-353a	7B59	3	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface; partial snap fracture on distal end of dorsal surface	EPC	8

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-355a	7B59	7	Prismatic blade	Medial	Final-stage blade; distal end fractured	EPC	8
RV0B-358b	7B60	2	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	EPC	8
RV0B-358c	7B60	2	Prismatic blade	Medial	Final-stage blade; snap tab on distal end of dorsal surface	EPC	8
RV0B-357b	7B60	1	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end and snap fracture on distal end of dorsal surface	EPC	8
RV0B-357a	7B60	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of ventral surface; partial snap fracture on distal end of ventral surface	EPC	8
RV0B-359a	7B60	4	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal and snap tab on distal end of dorsal surface	EPC	8
RV0B-362b	7B62	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface; distal end fractured	EPC	8
RV0B-363b	7B62	2, Bur. 32	Prismatic blade	Medial	Final-stage blade	EPC	8
RV0B-364a	7B64	1	Prismatic blade	Medial	Final-stage blade; fractured on both ends	EPC	8
RV0B-364b	7B64	1	Prismatic blade	Medial	Final-stage blade; snap tabs on proximal and distal ends of dorsal surface	EPC	8
RV0B-365a	7B64	2	Prismatic blade	Medial	Final-stage blade	EPC	8
RV0B-366b	7B65	1	Prismatic blade	Medial	Final-stage blade	EPC	8
RV0B-169a	7C51	1	Prismatic blade	Medial	Final-stage blade; snap tab on distal end of dorsal surface	EPC	
RV0B-169b	7C51	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface; right lateral margin fractured	EPC	
RV0B-169c	7C51	1	Prismatic blade	Medial	Final-stage blade	EPC	
RV0B-171c	7C52	1	Prismatic blade	Medial	Final-stage blade; left lateral margin fractured off	EPC	7

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-173a	7C53	2	Prismatic blade	Medial	Final-stage blade; one crushed or possibly cortex area on dorsal surface	EPC	7
RV0B-174b	7C54	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface; fractured on distal end	EPC	7
RV0B-174c	7C54	1	Prismatic blade	Medial	Final-stage blade	EPC	7
RV0B-174a	7C54	1	Prismatic blade	Medial	Final-stage blade; small snap fracture on proximal end of ventral surface	EPC	7
RV0B-174d	7C54	1	Prismatic blade	Medial	Final-stage blade; left lateral margin fractured off	EPC	7
RV0B-175e	7C55	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on distal end of dorsal surface	EPC	7
RV0B-175f	7C55	1	Prismatic blade	Medial	Final-stage blade; probably middle section from snapping blades into segments	EPC	7
RV0B-175g	7C55	1	Prismatic blade	Medial	Final-stage blade; probably middle section from snapping blades into segments	EPC	7
RV0B-175c	7C55	1	Prismatic blade	Medial	Final-stage blade	EPC	7
RV0B-178c	7C57	1	Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of dorsal surface	EPC	7
RV0B-179b	7C57	2	Prismatic blade	Medial	Final-stage blade; small snap fracture on proximal end of ventral surface	EPC	7
RV0B-179e	7C57	2	Prismatic blade	Medial	Final-stage blade; partial snap tabs on proximal and distal ends of dorsal surface	EPC	7
RV0B-180a	7C58	1	Prismatic blade	Medial	Final-stage blade; snap fractures on proximal end of dorsal surface and distal end of ventral surface	EPC	7
RV0B-180f	7C58	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	7
RV0B-180g	7C58	1	Prismatic blade	Medial	Final-stage blade; right lateral margin fractured off	EPC	7
RV0B-180d	7C58	1	Prismatic blade	Medial	Final-stage blade; small snap tabs on proximal and distal end of ventral surfaces	EPC	7

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-064a	8B40	1	Prismatic blade	Medial	Final-stage blade	EPC	4
RV0B-064d	8B40	1	Prismatic blade	Medial	Final-stage blade	EPC	4
RV0B-065b	8B41	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of ventral surface	EPC	4
RV0B-065a	8B41	1	Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of dorsal surface	EPC	4
RV0B-066a	8B41	2	Prismatic blade	Medial	Final-stage blade; fractured on proximal end	EPC	4
RV0B-069a	8B44	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface; snap tab on distal end of dorsal surface	EPC	4
RV0B-070b	8B45	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	4
RV0B-071b	8B46	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface; snap fracture on distal end of dorsal surface	EPC	4
RV0B-073a	8B48	1	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of ventral surface	EPC	4
RV0B-073b	8B48	1	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of ventral surface; snap fracture on distal end of ventral surface	EPC	4
RV0B-078a	8B53	1	Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of dorsal surface; proximal end fractured	EPC	
RV0B-370b	8B59	6	Prismatic blade	Medial	Final-stage blade	EPC	8
RV0B-374a	8B60	10	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of ventral surface	EPC	8
RV0B-372a	8B60	5	Prismatic blade	Medial	Final-stage blade; distal end of ventral surface flaked	EPC	8
RV0B-373a	8B60	7	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	8

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RVOB-183a	8C53	3	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface; snap fracture on distal end of ventral surface	EPC	7
RVOB-183c	8C53	3	Prismatic blade	Medial	Final-stage blade; flaked on both surfaces	EPC	7
RVOB-184a	8C54	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of ventral surface	EPC	7
RVOB-184c	8C54	1	Prismatic blade	Medial	Final-stage blade	EPC	7
RVOB-185b	8C55	1	Prismatic blade	Medial	Final-stage blade; snap tab on distal end of dorsal surface	EPC	7
RVOB-186d	8C56	1	Prismatic blade	Medial	Final-stage blade; right lateral margin fractured off	EPC	7
RVOB-186b	8C56	1	Prismatic blade	Medial	Final-stage blade	EPC	7
RVOB-188b	8C58	1	Prismatic blade	Medial	Final-stage blade; probably near proximal end - partial bulb on ventral surface	EPC	7
RVOB-188c	8C58	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	7
RVOB-081a	9B38	1	Prismatic blade	Medial	Final-stage blade; fractured on proximal end	EPC	2
RVOB-084a	9B42	1	Prismatic blade	Medial	Final-stage blade; partial snap tabs on proximal end of dorsal surface and distal end of ventral surface	EPC	
RVOB-123a	9B43	1	Prismatic blade	Medial	Final-stage blade	EPC	
RVOB-069c	9B44	1	Prismatic blade	Medial	Final-stage blade; partial snap fracture on proximal end of dorsal surface	EPC	
RVOB-085b	9B44	1	Prismatic blade	Medial	Final-stage blade	EPC	
RVOB-124a	9B46	1	Prismatic blade	Medial	Final-stage blade; distal end fractured	EPC	4

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-087a	9B47	1	Prismatic blade	Medial	Final-stage blade; snap fractures on proximal and distal ends of dorsal surface	EPC	4
RV0B-127a	9B47	6	Prismatic blade	Medial	Final-stage blade; distal end fractured	EPC	4
RV0B-128b	9B50	1	Prismatic blade	Medial	Final-stage blade	EPC	4
RV0B-130a	9B50	6	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of ventral surface; distal end fractured; large piece flaked off of right lateral margin	EPC	4
RV0B-382a	9B52	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of ventral surface	EPC	
RV0B-379a	9B53	1	Prismatic blade	Medial	Final-stage blade	EPC	
RV0B-386b	9B59	7	Prismatic blade	Medial	Final-stage blade; snap tab on distal end of dorsal surface	EPC	8
RV0B-387a	9B60	2	Prismatic blade	Medial	Final-stage blade	EPC	8
RV0B-389a	9B60	5	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of ventral surface	EPC	8
RV0B-392c	9B66	1	Prismatic blade	Medial	Final-stage blade	EPC	8
RV0B-408a	9B77	3	Prismatic blade	Medial	Final-stage blade	EPC	9
RV0B-191c	9C53	2	Prismatic blade	Medial	Final-stage blade	EPC	7
RV0B-191d	9C53	2	Prismatic blade	Medial	Final-stage blade; partial snap tab on distal end of dorsal surface	EPC	7
RV0B-191i	9C53	2	Prismatic blade	Medial	Final-stage blade	EPC	7
RV0B-191a	9C53	2	Prismatic blade	Medial	Final-stage blade; distal end fractured	EPC	7
RV0B-192a	9C53	3	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	7

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-193b	9C53	4	Prismatic blade	Medial	Final-stage blade; snap tab on distal end of dorsal surface	EPC	7
RV0B-194e	9C54	1	Prismatic blade	Medial	Final-stage blade; right lateral margin partially fractured off	EPC	7
RV0B-194f	9C54	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of ventral surface; distal end fractured	EPC	7
RV0B-195b	9C54	2	Prismatic blade	Medial	Final-stage blade; right lateral margin partially fractured off	EPC	7
RV0B-196a	9C54	3	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	7
RV0B-194b	9C54	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	7
RV0B-194d	9C54	1	Prismatic blade	Medial	Final-stage blade	EPC	7
RV0B-195c	9C54	2	Prismatic blade	Medial	Final-stage blade	EPC	7
RV0B-196b	9C54	3	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	EPC	7
RV0B-197e	9C54	4	Prismatic blade	Medial	Final-stage blade	EPC	7
RV0B-197g	9C54	4	Prismatic blade	Medial	Final-stage blade	EPC	7
RV0B-197a	9C54	4	Prismatic blade	Medial	Final-stage blade; partial snap tab on distal end of dorsal surface	EPC	7
RV0B-197b	9C54	4	Prismatic blade	Medial	Final-stage blade	EPC	7
RV0B-198e	9C55	1	Prismatic blade	Medial	Final-stage blade	EPC	7
RV0B-198a	9C55	1	Prismatic blade	Medial	Final-stage blade	EPC	7
RV0B-198b	9C55	1	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of ventral surface	EPC	7

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-198c	9C55	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	EPC	7
RV0B-199c	9C56	1	Prismatic blade	Medial	Final-stage blade; fractured on proximal end	EPC	7
RV0B-200c	9C57	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	7
RV0B-200e	9C57	1	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	EPC	7
RV0B-200b	9C57	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	EPC	7
RV0B-200d	9C57	1	Prismatic blade	Medial	Final-stage blade	EPC	7
RV0B-204c	9C58	3	Prismatic blade	Medial	Final-stage blade; left lateral margin fractured off	EPC	7
RV0B-203c	9C58	2	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	EPC	7
RV0B-204a	9C58	3	Prismatic blade	Medial	Final-stage blade; small snap fracture on proximal end of ventral surface	EPC	7
RV0B-202a	9C58	1	Prismatic blade	Medial	Final-stage blade	EPC	7
RV0B-203a	9C58	2	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	7
RV0B-203b	9C58	2	Prismatic blade	Medial	Final-stage blade; right lateral margin partially fractured off	EPC	7
RV0B-204b	9C58	3	Prismatic blade	Medial	Final-stage blade; distal end fractured	EPC	7
RV0B-092a	0C38	1	Prismatic blade	Medial	Final-stage blade; partial snap fracture on distal end of dorsal surface	EPC	3
RV0B-095b	0C42	1	Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of ventral surface; proximal end fractured	EPC	3
RV0B-097b	0C47	1	Prismatic blade	Medial	Final-stage blade; fractured on proximal and distal ends	EPC	3

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-100a	0C54	1	Prismatic blade	Medial	Final-stage blade; fractured on proximal and distal ends	EPC	12
RV0B-396a	0C60	3	Prismatic blade	Medial	Final-stage blade	EPC	
RV0B-441a	0C62	1	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	
RV0B-399a	0C64	1	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	8
RV0B-402b	0C66	5	Prismatic blade	Medial	Final-stage blade	EPC	
RV0B-414a	0C74	3	Prismatic blade	Medial	Final-stage blade; left lateral margin fractured	EPC	9
RV0B-428a	0C75	4	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	9
RV0B-418a	0C76	8	Prismatic blade	Medial	Final-stage blade	EPC	9
RV0B-418c	0C76	8	Prismatic blade	Medial	Final-stage blade; partial snap fracture on proximal end of ventral surface	EPC	9
RV0B-248a	0D58	3	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of ventral surface; snap tab on distal end of dorsal surface	EPC	7
RV0B-206d	0D51	1	Prismatic blade	Medial	Final-stage blade	EPC	
RV0B-207a	0D51	2	Prismatic blade	Medial	Final-stage blade; snap fractures on proximal and distal ends of dorsal surface	EPC	
RV0B-208c	0D51	3	Prismatic blade	Medial	Final-stage blade	EPC	
RV0B-208d	0D51	3	Prismatic blade	Medial	Final-stage blade	EPC	
RV0B-209a	0D51	5	Prismatic blade	Medial	Final-stage blade	EPC	
RV0B-442b	0D51	4	Prismatic blade	Medial	Final-stage blade	EPC	

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-114b	0D52	8	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	LC	7
RV0B-210a	0D52	1	Prismatic blade	Medial	Final-stage blade; flakes removed from both margins	EPC	7
RV0B-211a	0D52	2	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of ventral surface; partial snap fracture on distal end of dorsal surface	EPC	7
RV0B-211b	0D52	2	Prismatic blade	Medial	Final-stage blade; fractured on both ends	EPC	7
RV0B-211c	0D52	2	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	7
RV0B-213b	0D52	4	Prismatic blade	Medial	Final-stage blade; partial snap fracture on distal end of ventral surface	LC	7
RV0B-218b	0D53	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface; snap fracture on distal end of dorsal surface	EPC	7
RV0B-218c	0D53	1	Prismatic blade	Medial	Final-stage blade	EPC	7
RV0B-218e	0D53	1	Prismatic blade	Medial	Final-stage blade	EPC	7
RV0B-221c	0D53	4	Prismatic blade	Medial	Final-stage blade; fractured on both ends	LC	7
RV0B-222d	0D53	5	Prismatic blade	Medial	Final-stage blade	LC	7
RV0B-225b	0D54	1	Prismatic blade	Medial	Final-stage blade	EPC	7
RV0B-228b	0D54	4	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	LC	7
RV0B-229c	0D54	5	Prismatic blade	Medial	Final-stage blade; partial snap fracture on proximal end of ventral surface; partial snap tab on distal end of dorsal surface	LC	7
RV0B-230b	0D54	5	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface; distal end fractured	LC	7

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-231b	OD54	6	Prismatic blade	Medial	Final-stage blade	LC	7
RV0B-235b	OD55	3	Prismatic blade	Medial	Final-stage blade; partial snap fracture on distal end of ventral surface	LC	7
RV0B-236a	OD55	4	Prismatic blade	Medial	Final-stage blade	LC	7
RV0B-236b	OD55	4	Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of dorsal surface	LC	7
RV0B-237a	OD55	5	Prismatic blade	Medial	Final-stage blade; right margin fractured off	LC	7
RV0B-238b	OD55	6	Prismatic blade	Medial	Final-stage blade	LC	7
RV0B-243b	OD56	6	Prismatic blade	Medial	Final-stage blade; fractured on left lateral margin; partial snap fracture on proximal end of dorsal surface	LC	7
RV0B-244c	OD56	7	Prismatic blade	Medial	Final-stage blade; small snap fracture on proximal end of dorsal surface	LC	7
RV0B-245b	OD57	1	Prismatic blade	Medial	Final-stage blade	EPC	7
RV0B-248c	OD58	3	Prismatic blade	Medial	Final-stage blade	LC	7
RV0B-249b	OD58	8	Prismatic blade	Medial	Final-stage blade	LC	7
RV0B-429c	1C51	1	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of ventral surface	EPC	12
RV0B-429d	1C51	1	Prismatic blade	Medial	Final-stage blade; snap tab on distal end of dorsal surface	EPC	12
RV0B-431c	1C53	1	Prismatic blade	Medial	Final-stage blade	EPC	12
RV0B-101a	1C54	1	Prismatic blade	Medial	Final-stage blade; fractured on proximal and distal surfaces	EPC	12
RV0B-102a	1C55	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of ventral surface	EPC	12

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-102d	1C55	1	Prismatic blade	Medial	Final-stage blade	EPC	12
RV0B-102e	1C55	1	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of ventral surface	EPC	12
RV0B-134a	1C57	1	Prismatic blade	Medial	Final-stage blade; partial snap fracture on proximal end of dorsal surface	EPC	
RV0B-134d	1C57	1	Prismatic blade	Medial	Final-stage blade	EPC	
RV0B-135a	1C59	1	Prismatic blade	Medial	Final-stage blade; proximal and distal ends slightly crushed	EPC	
RV0B-250a	1D54	1	Prismatic blade	Medial	Final-stage blade; fractured on both ends	EPC	7
RV0B-250b	1D54	1	Prismatic blade	Medial	Final-stage blade	EPC	7
RV0B-258b	2B56	1	Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of dorsal surface; proximal end fractured	EPC	8
RV0B-261a	2B56	5	Prismatic blade	Medial	Final-stage blade; partial snap tab on distal end of dorsal surface	EPC	8
RV0B-264a	2B56	8	Prismatic blade	Medial	Final-stage blade; partial snap tab on distal end of dorsal surface	EPC	8
RV0B-269b	2B61	1	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface; proximal end fractured	EPC	
RV0B-269d	2B61	1	Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of ventral surface; proximal end fractured	EPC	
RV0B-271b	2B63	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	10
RV0B-272a	2B64	1	Prismatic blade	Medial	Final-stage blade; right margin fractured off	EPC	10
RV0B-272c	2B64	1	Prismatic blade	Medial	Final-stage blade; right margin fractured off	EPC	10
RV0B-272d	2B64	1	Prismatic blade	Medial	Final-stage blade	EPC	10

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-439b	2C51	1	Prismatic blade	Medial	Final-stage blade; snap fractures on both ends	EPC	12
RV0B-106b	2C55	1	Prismatic blade	Medial	Final-stage blade; fractured on proximal and distal ends	EPC	12
RV0B-106c	2C55	1	Prismatic blade	Medial	Final-stage blade; snap tab on distal end of dorsal surface	EPC	12
RV0B-138a	2C57	1	Prismatic blade	Medial	Final-stage blade; small snap tab on proximal end of ventral surface	EPC	
RV0B-139b	2C58	1	Prismatic blade	Medial	Final-stage blade; fractured on lower half of left margin	EPC	
RV0B-118b	3B47	6	Prismatic blade	Medial	Final-stage blade	EPC	4
RV0B-273a	3B57	1	Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of ventral surface; proximal end fractured	EPC	8
RV0B-278a	3B63	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	8
RV0B-434a	3C51	1	Prismatic blade	Medial	Final-stage blade	EPC	12
RV0B-406a	3C53	1	Prismatic blade	Medial	Final-stage blade	EPC	12
RV0B-448B	3C55	2	Prismatic blade	Medial	Final-stage blade; partial snap tab on distal end of dorsal surface	EPC	12
RV0B-010a	4B49	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of ventral surface	EPC	4
RV0B-287b	4B58	1	Prismatic blade	Medial	Final-stage blade; small snap fracture on proximal end of dorsal surface; right margin fractured off	EPC	8
RV0B-289a	4B59	6	Prismatic blade	Medial	Final-stage blade; partial snap fracture on proximal end of ventral surface	EPC	8
RV0B-289b	4B59	6	Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of ventral surface	EPC	8

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RVOB-290c	4B60	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of ventral surface; snap fracture on distal end of dorsal surface	EPC	8
RVOB-293a	4B60	7	Prismatic blade	Medial	Final-stage blade; partial snap fracture on proximal end of dorsal surface	EPC	8
RVOB-295c	4B62	1	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	8
RVOB-109a	4C52	1	Prismatic blade	Medial	Final-stage blade	EPC	
RVOB-110b	4C52	2	Prismatic blade	Medial	Final-stage blade	EPC	
RVOB-111a	4C53	1	Prismatic blade	Medial	Final-stage blade; partial snap fractures on proximal end of dorsal surface and distal end of ventral surface	EPC	7
RVOB-112d	4C54	1	Prismatic blade	Medial	Final-stage blade	EPC	7
RVOB-147b	4C57	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	7
RVOB-147d	4C57	1	Prismatic blade	Medial	Final-stage blade	EPC	7
RVOB-120a	5B47	2	Prismatic blade	Medial	Final-stage blade	EPC	4
RVOB-120ae	5B47	2	Prismatic blade	Medial	Final-stage blade; partial snap fracture on distal end of dorsal surface	EPC	4
RVOB-120c	5B47	2	Prismatic blade	Medial	Final-stage blade	EPC	4
RVOB-025a	5B49	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	4
RVOB-025c	5B49	1	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of ventral surface; distal end fractured	EPC	4
RVOB-026c	5B51	1	Prismatic blade	Medial	Final-stage blade; fractured on proximal and distal ends	EPC	4

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-301a	5B57	4	Prismatic blade	Medial	Final-stage blade; small snap fractures on proximal and distal ends of dorsal surface	EPC	8
RV0B-301b	5B57	4	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	8
RV0B-302a	5B57	5	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	EPC	8
RV0B-303a	5B57	6	Prismatic blade	Medial	Final-stage blade; flaked on ventral surface	EPC	8
RV0B-305a	5B58	2	Prismatic blade	Medial	Final-stage blade	EPC	8
RV0B-308a	5B58	6	Prismatic blade	Medial	Final-stage blade; partial snap fracture on proximal end of dorsal surface	EPC	8
RV0B-308b	5B58	6	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	8
RV0B-310b	5B59	10	Prismatic blade	Medial	Final-stage blade; partial snap fracture on proximal end of ventral surface	EPC	8
RV0B-311c	5B59	17	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	8
RV0B-313a	5B60	17	Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of dorsal surface	EPC	8
RV0B-318b	5B62	1	Prismatic blade	Medial	Final-stage blade	EPC	8
RV0B-318c	5B62	1	Prismatic blade	Medial	Final-stage blade; partial snap fracture on proximal end of ventral surface	EPC	8
RV0B-323a	5B64	2	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface; right lateral margin fractured off	EPC	8
RV0B-449a	5C57	1	Prismatic blade	Medial	Final-stage blade	EPC	7
RV0B-449d	5C57	1	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	7
RV0B-156a	5C58	1	Prismatic blade	Medial	Final-stage blade	EPC	7

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-156b	5C58	1	Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of ventral surface	EPC	7
RV0B-031c	6B47	2	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of ventral surface	EPC	4
RV0B-032b	6B47	3	Prismatic blade	Medial	Final-stage blade; fractured on proximal end	EPC	4
RV0B-037a	6B47	10	Prismatic blade	Medial	Final-stage blade; snap fractures on proximal and distal ends of dorsal surface	LC	4
RV0B-044b	6B50	1	Prismatic blade	Medial	Final-stage blade; fractured on proximal end	EPC	4
RV0B-045a	6B50	2	Prismatic blade	Medial	Final-stage blade; partial snap tab on distal end of dorsal surface	EPC	4
RV0B-047c	6B52	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	
RV0B-049d	6B55	1	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface; fractured on proximal end	EPC	
RV0B-325a	6B57	2	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	EPC	8
RV0B-327a	6B57	5	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	8
RV0B-328b	6B58	2	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	8
RV0B-330a	6B58	4	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	8
RV0B-330b	6B58	4	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	EPC	8
RV0B-336a	6B60	1	Prismatic blade	Medial	Final-stage blade; partial snap tabs on proximal and distal ends of dorsal surface	EPC	8
RV0B-339a	6B61	10	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface; proximal end fractured	EPC	8
RV0B-341d	6B63	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	8

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-344b	6B65	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on distal end of ventral surface	EPC	8
RV0B-159a	6C51	1	Prismatic blade	Medial	Final-stage blade	EPC	
RV0B-160a	6C52	2	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of ventral surface	EPC	7
RV0B-162a	6C54	1	Prismatic blade	Medial	Final-stage blade; right lateral margin fractured off	EPC	7
RV0B-162d	6C54	1	Prismatic blade	Medial	Final-stage blade	EPC	7
RV0B-164b	6C56	1	Prismatic blade	Medial	Final-stage blade; fractured on proximal and distal ends	EPC	7
RV0B-164c	6C56	1	Prismatic blade	Medial	Final-stage blade; fractured on proximal and distal ends	EPC	7
RV0B-164d	6C56	1	Prismatic blade	Medial	Final-stage blade; partial snap fracture on proximal end of ventral surface	EPC	7
RV0B-165b	6C57	4	Prismatic blade	Medial	Final-stage blade	EPC	7
RV0B-166d	6C57	2	Prismatic blade	Medial	Final-stage blade; partial, small snap fracture on distal end of ventral surface	EPC	7
RV0B-166f	6C57	2	Prismatic blade	Medial	Final-stage blade; partial snap fracture on distal end of dorsal surface	EPC	7
RV0B-167a	6C58	1	Prismatic blade	Medial	Final-stage blade; partial snap fracture on proximal end of dorsal surface	EPC	7
RV0B-168e	6C58	2	Prismatic blade	Medial	Final-stage blade	EPC	7
RV0B-051d	7B46	3	Prismatic blade	Medial	Final-stage blade	EPC	4
RV0B-053c	7B47	2	Prismatic blade	Medial	Final-stage blade; probably near distal end - slight outré passé curve; partial snap tab on proximal end of dorsal surface	EPC	4
RV0B-054d	7B47	3	Prismatic blade	Medial	Final-stage blade; fractured on both ends	EPC	4

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-059d	7B49	2	Prismatic blade	Medial	Final-stage blade	EPC	4
RV0B-346a	7B51	1	Prismatic blade	Medial	Final-stage blade; partial snap fracture on distal end of ventral surface	EPC	4
RV0B-061b	7B52	1	Prismatic blade	Medial	Final-stage blade	EPC	
RV0B-062c	7B53	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface; snap tab on distal end of dorsal surface	EPC	
RV0B-062d	7B53	1	Prismatic blade	Medial	Final-stage blade	EPC	
RV0B-351c	7B57	4	Prismatic blade	Medial	Final-stage blade; proximal end fractured	EPC	8
RV0B-356a	7B59	9	Prismatic blade	Medial	Final-stage blade	EPC	8
RV0B-358a	7B60	2	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of ventral surface	EPC	8
RV0B-360a	7B60	7	Prismatic blade	Medial	Final-stage blade	EPC	8
RV0B-366c	7B65	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of ventral surface	EPC	8
RV0B-367a	7B65	1	Prismatic blade	Medial	Final-stage blade; partial snap fracture on distal end of ventral surface; distal end mostly fractured off	EPC	8
RV0B-170a	7C51	2	Prismatic blade	Medial	Final-stage blade	EPC	
RV0B-171a	7C52	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	7
RV0B-172a	7C52	2	Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of ventral surface	EPC	7
RV0B-173b	7C53	2	Prismatic blade	Medial	Final-stage blade	EPC	7

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-175b	7C55	1	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	7
RV0B-176b	7C56	1	Prismatic blade	Medial	Final-stage blade; fractured on proximal and distal ends	EPC	7
RV0B-177b	7C56	2	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end and snap fracture on distal end of dorsal surface	EPC	7
RV0B-180b	7C58	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end	EPC	7
RV0B-067c	8B43	1	Prismatic blade	Medial	Final-stage blade; fractured along proximal end and right lateral edge	EPC	4
RV0B-071a	8B46	1	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of ventral surface	EPC	4
RV0B-073c	8B48	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	EPC	4
RV0B-074d	8B48	2	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	4
RV0B-075b	8B49	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of ventral surface; distal end fractured	EPC	4
RV0B-076a	8B51	1	Prismatic blade	Medial	Final-stage blade; fractured on proximal and distal ends	EPC	
RV0B-369a	8B56	1	Prismatic blade	Medial	Final-stage blade	EPC	8
RV0B-371a	8B59	8	Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of ventral surface; proximal end fractured	EPC	8
RV0B-376a	8B62	1	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	8
RV0B-378b	8B65	2	Prismatic blade	Medial	Final-stage blade; margins highly fractured	EPC	8
RV0B-447a	8B66	1	Prismatic blade	Medial	Final-stage blade	EPC	8
RV0B-447b	8B66	1	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	8

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-182a	8C53	2	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of ventral surface	EPC	7
RV0B-182b	8C53	2	Prismatic blade	Medial	Final-stage blade	EPC	7
RV0B-183d	8C53	3	Prismatic blade	Medial	Final-stage blade	EPC	7
RV0B-436a	8C54	1	Prismatic blade	Medial	Final-stage blade; left lateral margin fractured off	EPC	7
RV0B-185a	8C55	1	Prismatic blade	Medial	Final-stage blade	EPC	7
RV0B-185ac	8C55	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	EPC	7
RV0B-185d	8C55	1	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of ventral surface	EPC	7
RV0B-188d	8C58	1	Prismatic blade	Medial	Final-stage blade; fractured on proximal and distal ends	EPC	7
RV0B-189a	8C58	2	Prismatic blade	Medial	Final-stage blade	EPC	7
RV0B-081b	9B38	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on distal end of dorsal surface	EPC	2
RV0B-085a	9B44	1	Prismatic blade	Medial	Final-stage blade; snap tab on distal end of dorsal surface	EPC	
RV0B-085c	9B44	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on distal end of dorsal surface	EPC	
RV0B-124b	9B46	1	Prismatic blade	Medial	Final-stage blade	EPC	4
RV0B-088a	9B49	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	4
RV0B-088b	9B49	1	Prismatic blade	Medial	Final-stage blade; partial snap fracture on proximal end of dorsal surface	EPC	4
RV0B-129a	9B50	5	Prismatic blade	Medial	Final-stage blade	EPC	4

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RVOB-131a	9B50	9	Prismatic blade	Medial	Final-stage blade	LC	4
RVOB-383b	9B57	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	8
RVOB-383c	9B57	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of ventral surface	EPC	8
RVOB-384a	9B59	3	Prismatic blade	Medial	Final-stage blade	EPC	8
RVOB-388a	9B60	4	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of ventral surface	EPC	8
RVOB-426a	9B64	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on distal end of dorsal surface	EPC	8
RVOB-426b	9B64	1	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	EPC	8
RVOB-408b	9B77	3	Prismatic blade	Medial	Final-stage blade	EPC	9
RVOB-190a	9C53	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	EPC	7
RVOB-190b	9C53	1	Prismatic blade	Medial	Final-stage blade; partial snap tabs on proximal and distal ends of dorsal surface	EPC	7
RVOB-191b	9C53	2	Prismatic blade	Medial	Final-stage blade; small snap fractures on proximal and distal ends of ventral surface	EPC	7
RVOB-191e	9C53	2	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC	7
RVOB-191f	9C53	2	Prismatic blade	Medial	Final-stage blade	EPC	7
RVOB-191j	9C53	2	Prismatic blade	Medial	Final-stage blade	EPC	7
RVOB-192b	9C53	3	Prismatic blade	Medial	Final-stage blade; flake scar down center of dorsal surface; snap fracture on distal end of ventral surface	EPC	7
RVOB-193a	9C53	4	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	7

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-196c	9C54	3	Prismatic blade	Medial	Final-stage blade	EPC	7
RV0B-197c	9C54	4	Prismatic blade	Medial	Final-stage blade	EPC	7
RV0B-197d	9C54	4	Prismatic blade	Medial	Final-stage blade; snap tab on distal end of ventral surface	EPC	7
RV0B-197f	9C54	4	Prismatic blade	Medial	Final-stage blade	EPC	7
RV0B-198d	9C55	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC	7
RV0B-199d	9C56	1	Prismatic blade	Medial	Final-stage blade	EPC	7
RV0B-204e	9C58	3	Prismatic blade	Medial	Final-stage blade; small snap tab on proximal end of distal surface	EPC	7
RV0B-205a	9C58	4	Prismatic blade	Medial	Final-stage blade; small snap fracture on proximal end of dorsal surface; partial snap tab on distal end of dorsal surface	EPC	7
RV0B-205d	9C58	4	Prismatic blade	Medial	Final-stage blade	EPC	7
RV0B-210c	0D52	1	Prismatic blade	Proximal	Final-stage blade; platform crushed or roughly ground - only partially intact	EPC	7
RV0B-244b	0D56	7	Prismatic blade	Proximal	Final-stage blade; ground platform; partial snap tab on distal end of ventral surface	EPC	7
RV0B-096a	0C45	1	Prismatic blade	Proximal	Final-stage blade; ground platform; distal end fractured	EPC	3
RV0B-398a	0C63	1	Prismatic blade	Proximal	Final-stage blade; ground platform (medium)	EPC	8
RV0B-442a	0D51	4	Prismatic blade	Proximal	Final-stage blade; ground platform (medium)	EPC	
RV0B-213a	0D52	4	Prismatic blade	Proximal	Final-stage blade; ground platform	LC	7
RV0B-223g	0D53	6	Prismatic blade	Proximal	Final-stage blade; ground platform	LC	7

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RVOB-248b	0D58	3	Prismatic blade	Proximal	Final-stage blade; ground platform	LC	7
RVOB-255a	1B60	2	Prismatic blade	Proximal	Final-stage blade; ground platform (rough)	EPC	
RVOB-429b	1C51	1	Prismatic blade	Proximal	Final-stage blade; ground platform (medium)	EPC	12
RVOB-134b	1C57	1	Prismatic blade	Proximal	Final-stage blade; ground platform	EPC	
RVOB-252a	1D55	1	Prismatic blade	Proximal	Final-stage blade; ground platform; right margin partially fractured	EPC	7
RVOB-252c	1D55	1	Prismatic blade	Proximal	Final-stage blade; ground platform; right lateral margin fractured off	EPC	7
RVOB-266a	2B60	3	Prismatic blade	Proximal	Final-stage blade; ground platform (fine); snap fracture on distal end of dorsal surface	EPC	8
RVOB-140a	2C59	1	Prismatic blade	Proximal	Final-stage blade; ground platform	EPC	
RVOB-002d	3B47	5	Prismatic blade	Proximal	Final-stage blade; ground platform; snap tab on distal end of dorsal surface	EPC	4
RVOB-004a	4B47	1	Prismatic blade	Proximal	Final-stage blade; ground platform	EPC	4
RVOB-295a	4B62	1	Prismatic blade	Proximal	Final-stage blade; ground platform (medium); distal end fractured	EPC	8
RVOB-295b	4B62	1	Prismatic blade	Proximal	Final-stage blade; ground platform (medium); large flake removed from distal end of ventral surface	EPC	8
RVOB-112b	4C54	1	Prismatic blade	Proximal	Final-stage blade; ground platform; snap fracture on distal end of ventral surface	EPC	7
RVOB-149a	4C59	1	Prismatic blade	Proximal	Final-stage blade; ground platform	EPC	
RVOB-022a	5B47	3	Prismatic blade	Proximal	Final-stage blade; ground platform	EPC	4

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RVOB-322a	5B64	1	Prismatic blade	Proximal	Final-stage blade; ground platform (medium); small snap fracture on distal end of dorsal surface	EPC	8
RVOB-151a	5C51	2	Prismatic blade	Proximal	Final-stage blade; platform ground - very rough; distal end fractured	EPC	
RVOB-030c	6B47	1	Prismatic blade	Proximal	Final-stage blade; ground platform	EPC	4
RVOB-035b	6B47	8	Prismatic blade	Proximal	Final-stage blade; ground platform; left lateral margin fractured off	LC	4
RVOB-041b	6B49	2	Prismatic blade	Proximal	Final-stage blade; ground platform; snap fracture on distal end of dorsal surface	EPC	4
RVOB-041d	6B49	2	Prismatic blade	Proximal	Final-stage blade; ground platform; small snap fracture on distal end of ventral surface	EPC	4
RVOB-041c	6B49	2	Prismatic blade	Proximal	Final-stage blade; ground platform	EPC	4
RVOB-328a	6B58	2	Prismatic blade	Proximal	Final-stage blade; ground platform (medium)	EPC	8
RVOB-161a	6C53	1	Prismatic blade	Proximal	Final-stage blade; ground platform; distal end fractured	EPC	7
RVOB-054b	7B47	3	Prismatic blade	Proximal	Final-stage blade; ground platform; snap fracture on distal end of dorsal surface	EPC	4
RVOB-055a	7B48	1	Prismatic blade	Proximal	Final-stage blade; ground platform; overhang removal	EPC	4
RVOB-056a	7B48	2	Prismatic blade	Proximal	Final-stage blade; ground platform; partial snap tab on distal end of ventral surface	EPC	4
RVOB-056b	7B48	2	Prismatic blade	Proximal	Final-stage blade; ground platform	EPC	4
RVOB-057e	7B48	3	Prismatic blade	Proximal	Final-stage blade; ground platform; snap tab on distal end of dorsal surface	EPC	4
RVOB-060a	7B50	1	Prismatic blade	Proximal	Final-stage blade; ground platform - partially fractured	EPC	4
RVOB-446b	7B59	6, B27	Prismatic blade	Proximal	Final-stage blade; ground platform (fine); two long, thin flake scars on dorsal surface	EPC*	8

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-362a	7B62	1	Prismatic blade	Proximal	Final-stage blade; ground platform (fine); nearly complete blade - very distal end fractured off; small amount of cortex on arrises on dorsal surface	EPC	8
RV0B-363a	7B62	2, B32	Prismatic blade	Proximal	Final-stage blade; ground platform (fine); small snap fracture on distal end of dorsal surface	EPC	8
RV0B-178b	7C57	1	Prismatic blade	Proximal	Final-stage blade; ground platform	EPC	7
RV0B-180c	7C58	1	Prismatic blade	Proximal	Final-stage blade; ground platform; partial snap tab on distal end of dorsal surface	EPC	7
RV0B-067b	8B43	1	Prismatic blade	Proximal	Final-stage blade; ground platform; snap tab on distal end of dorsal surface	EPC	4
RV0B-069d	8B44	1	Prismatic blade	Proximal	Final-stage blade; ground platform; small snap fracture on distal end of dorsal surface	EPC	4
RV0B-070d	8B45	1	Prismatic blade	Proximal	Final-stage blade; ground platform; partial snap tab on distal end of dorsal surface	EPC	4
RV0B-071c	8B46	1	Prismatic blade	Proximal	Final-stage blade; ground platform; distal end fractured	EPC	4
RV0B-074a	8B48	2	Prismatic blade	Proximal	Final-stage blade; ground platform; possible overhang removal; snap fracture on distal end of ventral surface	EPC	4
RV0B-074b	8B48	2	Prismatic blade	Proximal	Final-stage blade; ground platform; left lateral margin covered in cortex	EPC	4
RV0B-371b	8B59	8	Prismatic blade	Proximal	Final-stage blade; ground platform (rough)	EPC	8
RV0B-377a	8B64	1	Prismatic blade	Proximal	Final-stage blade; small platform - ground (medium)	EPC	8
RV0B-181a	8C53	1	Prismatic blade	Proximal	Final-stage blade; platform fractured off	EPC	7
RV0B-082a	9B40	1	Prismatic blade	Proximal	Final-stage blade; ground platform	EPC	
RV0B-086a	9B45	1	Prismatic blade	Proximal	Final-stage blade; ground platform; snap tab on distal end of dorsal surface	EPC	3

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-126a	9B47	5	Prismatic blade	Proximal	Final-stage blade; ground platform	EPC	4
RV0B-089a	9B49	2	Prismatic blade	Proximal	Final-stage blade; ground platform; snap fracture on distal end of dorsal surface	EPC	4
RV0B-392a	9B66	1	Prismatic blade	Proximal	Final-stage blade; ground platform (fine)	EPC	8
RV0B-194a	9C54	1	Prismatic blade	Proximal	Final-stage blade; ground platform; snap fracture on distal end of ventral surface	EPC	7
RV0B-097a	0C47	1	Prismatic blade	Proximal	Final-stage blade; ground platform; snap fracture on distal end of ventral surface	EPC	3
RV0B-403a	0C66	10	Prismatic blade	Proximal	Final-stage blade; ground platform (fine)	EPC	
RV0B-412a	0C73	6	Prismatic blade	Proximal	Final-stage blade; scored platform; flake removed on left lateral margin	EPC	9
RV0B-417a	0C76	7	Prismatic blade	Proximal	Final-stage blade; ground platform (medium); snap tab on distal end of dorsal surface	EPC	9
RV0B-423a	0C79	1	Prismatic blade	Proximal	Final-stage blade; ground platform (fine)	EPC	9
RV0B-215a	0D52	9	Prismatic blade	Proximal	Final-stage blade; platform not ground or scored; snap fracture on distal end of dorsal surface	LC	7
RV0B-214a	0D52	5	Prismatic blade	Proximal	Final-stage blade; small platform - crushed; snap fracture on distal end of dorsal surface	LC	7
RV0B-218a	0D53	1	Prismatic blade	Proximal	Final-stage blade; platform not ground or scored; snap tab on distal end of dorsal surface	EPC	7
RV0B-229d	0D54	5	Prismatic blade	Proximal	Final-stage blade; ground platform	LC	7
RV0B-232a	0D54	7	Prismatic blade	Proximal	Final-stage blade; ground platform	LC	7
RV0B-232b	0D54	7	Prismatic blade	Proximal	Final-stage blade; ground platform	LC	7
RV0B-238d	0D55	6	Prismatic blade	Proximal	Final-stage blade; platform not ground or scored	LC	7

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RVOB-239a	0D55	7	Prismatic blade	Proximal	Final-stage blade; platform not ground or scored; partial snap tab on distal end of dorsal surface	LC	7
RVOB-242a	0D56	4	Prismatic blade	Proximal	Final-stage blade; ground platform; partial snap tab on distal end of dorsal surface	LC	7
RVOB-115a	0D58	1	Prismatic blade	Proximal	Final-stage blade; ground platform; partial snap tab on distal end of dorsal surface	EPC	7
RVOB-246a	0D58	5	Prismatic blade	Proximal	Final-stage blade; ground platform; large snap fracture on distal end of dorsal surface	LC	7
RVOB-249a	0D58	8	Prismatic blade	Proximal	Final-stage blade; ground platform; small snap fracture on distal end of ventral surface	LC	7
RVOB-256a	1B60	4	Prismatic blade	Proximal	Final-stage blade; ground platform (fine); distal end fractured	EPC	
RVOB-263a	2B56	7	Prismatic blade	Proximal	Final-stage blade; ground platform (fine); distal end fractured	EPC	8
RVOB-433b	2C53	1	Prismatic blade	Proximal	Final-stage blade; ground platform (fine)	EPC	12
RVOB-002b	3B47	5	Prismatic blade	Proximal	Final-stage blade; ground platform; partial snap tab on distal end of dorsal surface	EPC	4
RVOB-280a	3B64	6	Prismatic blade	Proximal	Final-stage blade; platform ground (fine); lateral margins highly flaked	EPC	
RVOB-141a	3C55	1	Prismatic blade	Proximal	Final-stage blade; ground platform; small snap fracture on distal end of ventral surface	EPC	12
RVOB-007a	4B48	1	Prismatic blade	Proximal	Final-stage blade; ground platform; small snap fracture on distal end of dorsal surface	EPC	4
RVOB-080a	4B50	3	Prismatic blade	Proximal	Final-stage blade; ground platform; probably early final-stage - arrises and margins asymmetrical	EPC	4
RVOB-284a	4B54	1	Prismatic blade	Proximal	Final-stage blade; ground platform (fine); dorsal surface flaked	EPC	

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RVOB-025b	5B49	1	Prismatic blade	Proximal	Final-stage blade; platform not ground or scored; possibly ground (or crushed) on dorsal edge of platform; snap fracture on distal end of dorsal surface	EPC	4
RVOB-027b	5B53	1	Prismatic blade	Proximal	Final-stage blade; ground platform	EPC	
RVOB-299a	5B57	3	Prismatic blade	Proximal	Final-stage blade; ground platform (fine); snap tab on distal end of dorsal surface	EPC	8
RVOB-445a	6B57	4	Prismatic blade	Proximal	Final-stage blade; ground platform (fine); small snap fracture on distal end of ventral surface	EPC	8
RVOB-445c	6B57	4	Prismatic blade	Proximal	Final-stage blade; ground platform (fine)	EPC	8
RVOB-344a	6B65	1	Prismatic blade	Proximal	Final-stage blade; ground platform (fine); inward curving	EPC	8
RVOB-345a	6B66	1	Prismatic blade	Proximal	Final-stage blade; ground platform (fine)	EPC	8
RVOB-053a	7B47	2	Prismatic blade	Proximal	Final-stage blade; ground platform; some possible overhang removal; distal end fractured	EPC	4
RVOB-056g	7B48	2	Prismatic blade	Proximal	Final-stage blade; ground platform; distal end fractured	EPC	4
RVOB-056ad	7B48	2	Prismatic blade	Proximal	Final-stage blade; ground platform; snap fracture on distal end of dorsal surface	EPC	4
RVOB-063b	7B54	1	Prismatic blade	Proximal	Final-stage blade; platform ground; fractured on distal end	EPC	
RVOB-349b	7B56	3	Prismatic blade	Proximal	Final-stage blade; ground platform (medium); partial snap tab on distal end of ventral surface	EPC	8
RVOB-366a	7B65	1	Prismatic blade	Proximal	Final-stage blade; ground platform (medium); partial snap fracture on distal end of ventral surface	EPC	8
RVOB-368a	7B66	1	Prismatic blade	Proximal	Final-stage blade; ground platform (fine); distal end flaked and fractured	EPC	8

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-171b	7C52	1	Prismatic blade	Proximal	Final-stage blade; small platform - not ground or scored; partial snap tab on distal end of dorsal surface	EPC	7
RV0B-171d	7C52	1	Prismatic blade	Proximal	Final-stage blade; ground platform	EPC	7
RV0B-177a	7C56	2	Prismatic blade	Proximal	Final-stage blade; ground platform	EPC	7
RV0B-179a	7C57	2	Prismatic blade	Proximal	Final-stage blade; ground platform	EPC	7
RV0B-180e	7C58	1	Prismatic blade	Proximal	Final-stage blade; ground platform; snap fracture on distal end of dorsal surface	EPC	7
RV0B-072a	8B47	1	Prismatic blade	Proximal	Final-stage blade; ground platform; distal end fractured	EPC	4
RV0B-074c	8B48	2	Prismatic blade	Proximal	Final-stage blade; ground platform; possible overhang removal; snap tab on distal end of dorsal surface	EPC	4
RV0B-075a	8B49	1	Prismatic blade	Proximal	Final-stage blade; small platform - not ground or scored	EPC	4
RV0B-183b	8C53	3	Prismatic blade	Proximal	Final-stage blade; ground platform	EPC	7
RV0B-184b	8C54	1	Prismatic blade	Proximal	Final-stage blade; ground platform; distal end fractured	EPC	7
RV0B-187a	8C57	1	Prismatic blade	Proximal	Final-stage blade; platform not ground or scored	EPC	7
RV0B-089b	9B49	2	Prismatic blade	Proximal	Final-stage blade; ground platform; small snap fracture on distal end of dorsal surface	EPC	4
RV0B-386a	9B59	7	Prismatic blade	Proximal	Final-stage blade; ground platform (medium); overhang removal; snap fracture on distal end of ventral surface	EPC	8
RV0B-386c	9B59	7	Prismatic blade	Proximal	Final-stage blade; ground platform (fine)	EPC	8
RV0B-390a	9B60	9	Prismatic blade	Proximal	Final-stage blade; ground platform (medium); snap fracture on distal end of ventral surface	LC	8

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Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-191k	9C53	2	Prismatic blade	Proximal	Final-stage blade; ground platform	EPC	7
RV0B-191h	9C53	2	Prismatic blade	Proximal	Final-stage blade; ground platform; snap tab on distal end of dorsal surface	EPC	7
RV0B-200a	9C57	1	Prismatic blade	Proximal	Final-stage blade; ground platform	EPC	7
RV0B-204d	9C58	3	Prismatic blade	Proximal	Final-stage blade; large ground platform; right lateral margin fractured off	EPC	7
RV0B-205b	9C58	4	Prismatic blade	Proximal	Final-stage blade; ground platform	EPC	7
RV0B-096b	0C45	1	Prismatic blade	Proximal	Final-stage blade; ground platform; snap fracture on distal end of ventral surface	EPC	3
RV0B-397a	0C61	1	Prismatic blade	Proximal	Final-stage blade; small platform - not ground or scored; partial snap tab on distal end of ventral surface	EPC	
RV0B-209b	0D51	5	Prismatic blade	Proximal	Final-stage blade; platform not ground or scored; snap tab on distal end of dorsal surface	EPC	
RV0B-243a	0D56	6	Prismatic blade	Proximal	Final-stage blade; small platform - not ground or scored	LC	7
RV0B-245a	0D57	1	Prismatic blade	Proximal	Final-stage blade; platform not ground or scored	EPC	7
RV0B-429e	1C51	1	Prismatic blade	Proximal	Final-stage blade; very small platform	EPC	12
RV0B-135b	1C59	1	Prismatic blade	Proximal	Final-stage blade; platform slightly scored	EPC	
RV0B-251a	1D54	2	Prismatic blade	Proximal	Final-stage blade; platform slightly scored; distal end fractured	EPC	7
RV0B-269c	2B61	1	Prismatic blade	Proximal	Final-stage blade; platform slightly scored; dorsal edge of platform ground or crushed	EPC	
RV0B-270a	2B62	1	Prismatic blade	Proximal	Final-stage blade; platform not ground or scored	EPC	10

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RV0B-271a	2B63	1	Prismatic blade	Proximal	Final-stage blade; platform not ground or scored; partial snap tab on distal end of ventral surface	EPC	10
RV0B-106a	2C55	1	Prismatic blade	Proximal	Final-stage blade; platform slightly scored; partial snap fracture on distal end of ventral surface	EPC	12
RV0B-002a	3B47	5	Prismatic blade	Proximal	Final-stage blade; platform not ground or scored; partial snap fracture on distal end of ventral surface	EPC	4
RV0B-116c	3B47	2	Prismatic blade	Proximal	Final-stage blade; platform not ground or scored	EPC	4
RV0B-277a	3B62	1	Prismatic blade	Proximal	Final-stage blade; platform not ground or scored; snap tab on distal end of dorsal surface	EPC	8
RV0B-112e	4C54	1	Prismatic blade	Proximal	Final-stage blade; platform not ground or scored	EPC	7
RV0B-021b	5B47	1	Prismatic blade	Proximal	Final-stage blade; small platform - not ground or scored	EPC	4
RV0B-307a	5B58	5	Prismatic blade	Proximal	Final-stage blade; platform fractured off	EPC	8
RV0B-311d	5B59	17	Prismatic blade	Proximal	Final-stage blade; platform not ground or scored	EPC	8
RV0B-041a	6B49	2	Prismatic blade	Proximal	Final-stage blade; platform may be slightly scored; fractured at distal end	EPC	4
RV0B-166b	6C57	2	Prismatic blade	Proximal	Final-stage blade; small platform - not ground or scored	EPC	7
RV0B-052c	7B47	1	Prismatic blade	Proximal	Final-stage blade; platform may be slightly scored	EPC	4
RV0B-054a	7B47	3	Prismatic blade	Proximal	Final-stage blade; platform not ground or scored	EPC	4
RV0B-122a	7B55	1	Prismatic blade	Proximal	Final-stage blade; platform small - may be slightly scored	EPC	
RV0B-179c	7C57	2	Prismatic blade	Proximal	Final-stage blade; platform slightly scored; snap tab on distal end of dorsal surface	EPC	7

Table A.09 cont.

FS#	Op.	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes	Structure
RVOB-070c	8B45	1	Prismatic blade	Proximal	Final-stage blade; platform not ground or scored; dorsal edge of platform crushed/ground; partial snap fracture on distal end of ventral surface	EPC	4
RVOB-091a	9B54	2	Prismatic blade	Proximal	Final-stage blade; platform slightly scored; partial snap tab on distal end of dorsal surface	EPC	
RVOB-444a	3B64	7	Projectile point		Bifacially modified flake to form a projectile point; may have been a prismatic blade - single arris on dorsal surface; not notched, but rectangular stem (7.11mm wd, ~9.69mm lt)	EPC	8

Table A.10 RVOA artifact measurements

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV0B-447c	1	Gray	22.11	20.39	5.55	2.75	
RV0B-310e	1	Black	14.15	14.76	5.49	1.30	
RV0B-447d	1	Black	42.56	37.54	11.29	17.95	
RV0B-163i	1	Clear	14.06	12.78	4.88	0.67	
RV0B-229e	1	Gray	16.34	5.86	5.24	0.51	
RV0B-439d	1	Gray	19.53	17.04	7.40	2.33	
RV0B-116d	1	Gray	39.01	8.79	7.17	1.90	
RV0B-274a	1	Gray	21.92	19.42	6.59	2.04	
RV0B-276a	1	Gray	11.14	7.69	4.04	0.31	
RV0B-109b	1	Gray	14.69	8.32	5.99	0.73	
RV0B-111g	1	Gray	16.58	7.74	3.81	0.46	
RV0B-151e	1	Gray	19.81	17.11	7.89	1.70	
RV0B-176c	1	Gray	16.51	12.22	8.03	1.02	
RV0B-388b	1	Gray	10.38	6.64	5.35	0.24	
RV0B-191m	1	Gray	10.58	10.40	3.88	0.37	
RV0B-448c	1	Green	16.19	19.15	12.07	3.64	
RV0B-109c	1	Green	12.63	3.10	3.43	0.10	
RV0B-109d	1	Green	7.11	5.41	2.99	0.15	
RV0B-109e	1	Green	7.79	3.34	3.19	0.06	
RV0B-040c	1	Green	19.78	12.77	7.48	1.84	
RV0B-445d	1	Gray	40.17	19.70	3.78	2.23	
RV0B-222f	1	Clear	10.05	7.66	1.69	0.08	
RV0B-225e	1	Clear	10.94	11.17	2.30	0.30	
RV0B-430c	1	Clear	11.74	6.53	1.68	0.14	
RV0B-102g	1	Clear	10.76	8.97	1.61	0.14	
RV0B-008d	1	Clear	15.49	11.36	1.43	0.20	
RV0B-015c	1	Clear	9.63	6.99	1.38	0.07	
RV0B-285a	1	Clear	13.70	15.39	3.44	0.69	
RV0B-424d	1	Clear	11.37	9.76	2.11	0.26	
RV0B-424c	1	Clear	24.71	13.90	3.53	1.23	
RV0B-153c	1	Clear	9.26	11.05	2.39	0.16	
RV0B-153d	1	Clear	10.49	7.55	1.75	0.13	
RV0B-032e	1	Clear	13.44	7.89	2.13	0.19	
RV0B-047e	1	Clear	10.06	7.65	3.97	0.20	
RV0B-163g	1	Clear	12.03	7.00	2.71	0.17	
RV0B-168f	1	Clear	11.73	6.84	2.39	0.16	
RV0B-051f	1	Clear	12.06	11.70	2.86	0.34	
RV0B-187b	1	Clear	31.82	13.95	3.43	1.45	

Table A.10 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV0B-189b	1	Clear	10.39	9.26	1.48	0.12	
RV0B-131b	1	Clear	15.58	6.94	2.86	0.23	
RV0B-193c	1	Clear	8.91	16.16	1.34	0.23	
RV0B-198f	1	Clear	6.94	7.21	2.73	0.12	
RV0B-092b	1	Gray	11.09	7.11	3.17	0.23	
RV0B-096d	1	Gray	14.02	14.27	2.41	0.39	
RV0B-099c	1	Gray	17.01	9.11	2.24	0.34	
RV0B-405b	1	Gray	9.77	9.19	2.61	0.19	
RV0B-420a	1	Gray	14.65	17.89	1.35	0.57	
RV0B-209c	1	Gray	7.32	11.00	2.12	0.17	
RV0B-207b	1	Gray	15.44	17.01	6.80	1.55	
RV0B-212b	1	Gray	11.12	8.26	1.41	0.14	
RV0B-219a	1	Gray	8.51	5.76	1.46	0.06	
RV0B-223i	1	Gray	11.48	9.39	2.01	0.19	
RV0B-224b	1	Gray	16.34	20.94	3.77	1.06	
RV0B-236d	1	Gray	12.29	5.44	2.71	0.16	
RV0B-236e	1	Gray	8.34	11.79	2.44	0.19	
RV0B-443b	1	Gray	10.32	11.74	2.54	0.23	
RV0B-249d	1	Gray	8.47	10.40	2.78	0.22	
RV0B-430d	1	Gray	7.86	6.42	1.97	0.09	
RV0B-101b	1	Gray	11.60	7.64	1.93	0.16	
RV0B-134f	1	Gray	12.32	13.85	3.37	0.51	
RV0B-251b	1	Gray	16.92	11.52	2.79	0.56	
RV0B-262a	1	Gray	10.92	8.79	1.76	0.15	
RV0B-104a	1	Gray	12.95	17.79	3.82	0.82	
RV0B-278b	1	Gray	13.54	16.89	3.18	0.73	
RV0B-278c	1	Gray	9.20	7.69	1.54	0.09	
RV0B-080b	1	Gray	19.03	11.54	2.35	0.56	
RV0B-283a	1	Gray	18.40	14.95	3.68	0.95	
RV0B-015b	1	Gray	14.31	11.54	2.42	0.38	
RV0B-284b	1	Gray	8.32	12.52	2.60	0.28	
RV0B-284c	1	Gray	6.16	9.65	2.37	0.11	
RV0B-296j	1	Gray	15.22	9.97	4.60	0.61	
RV0B-295h	1	Gray	7.81	9.97	2.65	0.12	
RV0B-112g	1	Gray	7.69	14.72	1.23	0.08	
RV0B-146b	1	Gray	17.86	13.83	2.95	0.57	
RV0B-019a	1	Gray	22.06	21.49	3.53	1.49	
RV0B-028a	1	Gray	14.39	7.35	1.67	0.15	
RV0B-301c	1	Gray	15.77	15.38	6.63	1.28	
RV0B-308c	1	Gray	18.56	13.30	2.77	0.57	

Table A.10 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV0B-310c	1	Gray	9.76	6.69	1.84	0.12	
RV0B-311e	1	Gray	15.56	10.53	3.47	0.43	
RV0B-312b	1	Gray	19.61	16.12	2.85	0.85	
RV0B-317b	1	Gray	16.65	21.78	3.95	1.00	
RV0B-320a	1	Gray	17.99	8.54	1.72	0.18	
RV0B-151d	1	Gray	11.22	8.28	2.41	0.19	
RV0B-152a	1	Gray	24.29	11.81	2.82	0.79	
RV0B-153b	1	Gray	10.17	11.53	2.21	0.22	
RV0B-154d	1	Gray	16.24	21.29	4.32	1.13	
RV0B-113e	1	Gray	14.16	6.61	3.01	0.24	
RV0B-113g	1	Gray	11.85	8.37	1.59	0.15	
RV0B-449e	1	Gray	39.09	25.86	8.65	6.67	
RV0B-041e	1	Gray	12.39	8.55	2.87	0.41	
RV0B-047d	1	Gray	10.59	10.35	1.60	0.16	
RV0B-331a	1	Gray	11.17	15.75	2.25	0.33	
RV0B-330c	1	Gray	8.09	4.88	1.61	0.07	
RV0B-337b	1	Gray	15.16	11.70	1.71	0.25	
RV0B-160b	1	Gray	18.04	11.36	3.00	0.54	
RV0B-163h	1	Gray	10.72	5.61	1.13	0.05	
RV0B-051g	1	Gray	11.16	12.69	1.58	0.18	
RV0B-062f	1	Gray	9.62	9.92	1.59	0.14	
RV0B-354a	1	Gray	31.05	18.98	2.68	1.95	
RV0B-361a	1	Gray	16.90	19.36	3.09	0.92	
RV0B-173c	1	Gray	8.66	14.41	2.69	0.27	
RV0B-450c	1	Gray	7.09	6.62	0.90	0.06	
RV0B-174e	1	Gray	13.37	7.55	2.86	0.27	
RV0B-175i	1	Gray	8.06	9.46	2.06	0.09	
RV0B-175h	1	Gray	8.52	5.83	1.38	0.06	
RV0B-067d	1	Gray	14.64	9.46	2.32	0.30	
RV0B-074e	1	Gray	12.81	13.15	3.81	0.46	
RV0B-374b	1	Gray	7.70	10.23	2.41	0.18	
RV0B-184d	1	Gray	11.30	5.83	1.47	0.12	
RV0B-186e	1	Gray	15.43	10.17	4.15	0.49	
RV0B-187c	1	Gray	7.64	11.53	2.59	0.22	
RV0B-084b	1	Gray	11.85	11.58	2.63	0.32	
RV0B-128c	1	Gray	8.53	16.81	3.13	0.38	
RV0B-091b	1	Gray	12.06	7.58	3.64	0.27	
RV0B-380d	1	Gray	16.63	13.62	6.92	1.44	
RV0B-391a	1	Gray	12.09	11.43	1.35	0.13	
RV0B-208g	1	Green	5.95	12.95	1.82	0.15	

Table A.10 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV0B-113f	1	Green	10.72	15.00	2.92	0.45	
RV0B-221d	1	Black	7.85	12.93	3.66	0.43	
RV0B-444b	1	Black	17.22	9.44	4.40	0.67	
RV0B-174f	1	Black	9.91	6.52	2.07	0.17	
RV0B-068b	1	Black	11.10	8.19	3.06	0.35	
RV0B-098b	1	Clear	14.04	8.55	2.54	0.28	
RV0B-099e	1	Clear	10.66	13.61	3.12	0.40	
RV0B-399b	1	Clear	13.52	11.63	4.30	0.54	
RV0B-399c	1	Clear	11.39	19.82	4.74	0.96	
RV0B-217c	1	Clear	20.92	14.45	3.34	0.90	
RV0B-219d	1	Clear	8.20	5.00	3.23	0.08	
RV0B-225h	1	Clear	7.70	11.01	2.92	0.20	
RV0B-244f	1	Clear	11.17	14.35	2.99	0.43	
RV0B-259a	1	Clear	18.47	6.56	2.34	0.26	
RV0B-260a	1	Clear	16.28	7.50	2.22	0.27	
RV0B-144b	1	Clear	11.27	7.23	2.87	0.17	
RV0B-148a	1	Clear	14.13	12.98	3.19	0.38	
RV0B-425a	1	Clear	11.07	7.75	2.01	0.18	
RV0B-306c	1	Clear	18.92	9.74	1.99	0.27	
RV0B-344e	1	Clear	10.89	12.19	1.78	0.22	
RV0B-164e	1	Clear	11.53	8.12	2.20	0.15	
RV0B-051h	1	Clear	10.98	12.70	2.69	0.39	
RV0B-062g	1	Clear	6.12	8.28	2.18	0.12	
RV0B-125a	1	Clear	19.25	13.41	4.12	0.70	
RV0B-380c	1	Clear	8.80	4.72	2.76	0.11	
RV0B-389b	1	Clear	17.67	9.58	3.94	0.58	
RV0B-192c	1	Clear	19.89	9.21	5.07	0.69	
RV0B-437a	1	Clear	6.41	5.89	1.98	0.06	
RV0B-093b	1	Gray	10.67	7.29	2.36	0.14	
RV0B-099d	1	Gray	16.90	5.54	2.24	0.17	
RV0B-441c	1	Gray	10.09	8.64	1.67	0.12	
RV0B-410a	1	Gray	9.72	17.27	7.08	0.78	
RV0B-206e	1	Gray	21.27	6.42	4.48	0.41	
RV0B-208h	1	Gray	11.22	6.50	2.41	0.18	
RV0B-220c	1	Gray	10.42	9.55	1.77	0.18	
RV0B-219c	1	Gray	11.47	5.93	1.65	0.14	
RV0B-222g	1	Gray	9.71	6.46	4.01	0.16	
RV0B-225f	1	Gray	12.70	10.34	2.36	0.29	
RV0B-225g	1	Gray	11.11	13.91	2.23	0.33	
RV0B-239e	1	Gray	5.94	9.81	0.92	0.07	

Table A.10 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV0B-236f	1	Gray	13.34	7.44	3.73	0.36	
RV0B-237b	1	Gray	7.37	7.35	0.74	0.03	
RV0B-243c	1	Gray	10.71	13.80	2.66	0.39	
RV0B-241c	1	Gray	12.36	9.32	2.86	0.31	
RV0B-242e	1	Gray	11.54	13.01	3.65	0.52	
RV0B-242f	1	Gray	8.21	12.71	1.59	0.22	
RV0B-250c	1	Gray	7.62	7.33	4.01	0.24	
RV0B-262b	1	Gray	12.71	4.81	3.25	0.13	
RV0B-263b	1	Gray	9.78	6.55	2.80	0.15	
RV0B-268a	1	Gray	16.71	10.35	2.82	0.43	
RV0B-272i	1	Gray	8.06	9.17	1.55	0.12	
RV0B-001b	1	Gray	14.23	7.75	2.43	0.18	
RV0B-118c	1	Gray	12.49	9.92	3.12	0.29	
RV0B-107d	1	Gray	14.08	9.41	2.41	0.33	
RV0B-406b	1	Gray	6.43	10.25	1.58	0.08	
RV0B-142b	1	Gray	20.42	13.53	3.51	0.86	
RV0B-143b	1	Gray	21.99	9.03	5.29	0.95	
RV0B-008e	1	Gray	13.26	7.93	1.69	0.19	
RV0B-011d	1	Gray	5.16	5.83	1.01	0.02	
RV0B-013b	1	Gray	16.59	17.91	4.41	0.94	
RV0B-284d	1	Gray	7.69	7.33	2.27	0.13	
RV0B-284e	1	Gray	5.41	4.45	2.08	0.04	
RV0B-287e	1	Gray	16.91	13.23	3.08	0.54	
RV0B-288a	1	Gray	8.76	10.22	2.44	0.28	
RV0B-298d	1	Gray	7.91	6.41	2.13	0.09	
RV0B-298e	1	Gray	6.10	5.73	1.71	0.04	
RV0B-435c	1	Gray	15.00	19.53	2.94	0.62	
RV0B-110c	1	Gray	11.80	14.44	5.00	0.92	
RV0B-111af	1	Gray	8.24	4.52	2.54	0.09	
RV0B-112h	1	Gray	10.49	5.95	1.94	0.08	
RV0B-145d	1	Gray	5.72	11.10	1.58	0.11	
RV0B-148b	1	Gray	4.35	11.96	2.25	0.15	
RV0B-028b	1	Gray	15.45	12.10	4.88	0.93	
RV0B-029b	1	Gray	18.76	6.18	3.48	0.31	
RV0B-300b	1	Gray	6.53	6.03	0.76	0.02	
RV0B-305b	1	Gray	19.37	7.47	3.34	0.40	
RV0B-304b	1	Gray	10.35	11.16	2.09	0.23	
RV0B-310d	1	Gray	8.68	8.79	2.14	0.16	
RV0B-311f	1	Gray	11.85	10.91	1.42	0.22	
RV0B-314a	1	Gray	16.47	15.19	3.76	1.01	

Table A.10 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV0B-318f	1	Gray	10.22	8.62	2.63	0.22	
RV0B-322c	1	Gray	10.01	9.73	2.52	0.17	
RV0B-150a	1	Gray	12.25	20.01	4.01	0.69	
RV0B-035c	1	Gray	8.90	6.84	2.04	0.13	
RV0B-036a	1	Gray	13.80	14.06	3.54	0.49	
RV0B-032f	1	Gray	12.22	6.81	4.54	0.21	
RV0B-048b	1	Gray	8.89	10.04	1.10	0.13	
RV0B-330d	1	Gray	8.57	11.73	1.18	0.11	
RV0B-334b	1	Gray	29.04	11.97	4.51	1.05	
RV0B-335a	1	Gray	10.58	11.77	2.88	0.31	
RV0B-341e	1	Gray	9.72	8.83	3.70	0.40	
RV0B-344d	1	Gray	12.70	8.90	1.86	0.22	
RV0B-159c	1	Gray	6.55	6.92	1.58	0.08	
RV0B-166g	1	Gray	11.95	11.21	3.92	0.50	
RV0B-054e	1	Gray	9.78	13.26	1.63	0.16	
RV0B-054f	1	Gray	6.17	10.99	2.52	0.20	
RV0B-063d	1	Gray	8.68	6.99	3.20	0.15	
RV0B-348b	1	Gray	11.00	8.36	1.98	0.16	
RV0B-173d	1	Gray	12.70	11.93	3.25	0.42	
RV0B-180h	1	Gray	9.80	4.69	2.78	0.13	
RV0B-069e	1	Gray	13.91	6.19	3.29	0.27	
RV0B-069f	1	Gray	6.35	20.61	5.94	0.61	
RV0B-074f	1	Gray	14.97	10.48	1.94	0.32	
RV0B-073d	1	Gray	20.41	14.60	2.58	0.92	
RV0B-082b	1	Gray	15.21	6.21	2.96	0.23	
RV0B-128d	1	Gray	12.52	7.01	2.17	0.17	
RV0B-382b	1	Gray	17.65	13.03	4.04	0.94	
RV0B-384b	1	Gray	14.52	8.46	4.12	0.40	
RV0B-389c	1	Gray	16.17	9.89	2.10	0.35	
RV0B-195d	1	Gray	17.03	12.33	3.50	0.53	
RV0B-198g	1	Gray	8.50	3.02	4.07	0.08	
RV0B-199f	1	Gray	9.79	14.80	2.31	0.33	
RV0B-219b	1	Green	23.86	6.95	3.49	0.65	
RV0B-252e	1	Green	15.39	14.73	2.32	0.35	
RV0B-277d	1	Green	10.36	12.55	2.21	0.30	
RV0B-278d	1	Green	10.00	6.30	2.36	0.13	
RV0B-016a	1	Green	12.88	7.41	1.71	0.19	
RV0B-319d	1	Green	12.86	7.07	5.03	0.32	
RV0B-154e	1	Green	7.93	7.80	2.13	0.12	
RV0B-113h	1	Green	4.32	6.08	1.12	<.01	

Table A.10 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV0B-199e	1	Green	10.82	6.55	2.46	0.17	
			Avg	Avg	Avg		
			12.51	10.47	2.75		
RV0B-427b	1	Clear	19.56	8.17	2.76	0.41	9.54146341
RV0B-208e	1	Clear	12.13	5.74	2.41	0.15	16.1733333
RV0B-255b	1	Clear	17.22	10.15	2.75	0.53	6.49811321
RV0B-103b	1	Clear	13.06	6.73	1.66	0.15	17.4133333
RV0B-103a	1	Clear	30.65	8.33	1.53	0.49	12.5102041
RV0B-269a	1	Clear	41.50	8.94	3.05	1.31	6.33587786
RV0B-136a	1	Clear	26.61	8.35	2.12	0.51	10.4352941
RV0B-002c	1	Clear	13.43	9.01	2.03	0.26	10.3307692
RV0B-006a	1	Clear	30.36	11.78	3.51	1.44	4.21666667
RV0B-017c	1	Clear	14.88	9.73	1.77	0.28	10.6285714
RV0B-290b	1	Clear	20.60	6.80	2.78	0.43	9.58139535
RV0B-145a	1	Clear	21.13	10.00	2.17	0.51	8.28627451
RV0B-020a	1	Clear	30.77	9.20	3.57	1.10	5.59454545
RV0B-024c	1	Clear	14.64	11.03	2.20	0.50	5.856
RV0B-315a	1	Clear	31.17	8.95	2.99	0.74	8.42432432
RV0B-318a	1	Clear	17.40	7.70	2.45	0.28	12.4285714
RV0B-449c	1	Clear	11.25	9.73	1.69	0.20	11.25
RV0B-035a	1	Clear	15.17	8.32	1.72	0.20	15.17
RV0B-165a	1	Clear	12.08	8.52	2.15	0.24	10.0666667
RV0B-167b	1	Clear	15.73	8.30	2.79	0.31	10.1483871
RV0B-446a	1	Clear	50.26	11.65	2.58	1.69	5.94792899
RV0B-446c	1	Clear	56.40	2.61	13.12	2.59	4.35521236
RV0B-172b	1	Clear	20.25	10.13	2.38	0.61	6.63934426
RV0B-086b	1	Clear	10.42	7.25	2.57	0.18	11.5777778
RV0B-201a	1	Clear	18.52	6.92	2.53	0.34	10.8941176
RV0B-402a	1	Gray	42.31	9.70	2.08	1.03	8.21553398
RV0B-422a	1	Gray	19.19	14.55	1.81	0.61	6.29180328
RV0B-114a	1	Gray	35.76	13.02	3.82	2.11	3.38957346
RV0B-216b	1	Gray	16.69	9.95	3.06	0.36	9.27222222
RV0B-227b	1	Gray	24.00	7.91	1.87	0.42	11.4285714
RV0B-233a	1	Gray	15.03	7.62	2.18	0.21	14.3142857
RV0B-238a	1	Gray	14.16	5.81	2.03	0.15	18.88
RV0B-239b	1	Gray	16.71	7.15	1.32	0.21	15.9142857
RV0B-292a	1	Gray	31.78	9.59	2.91	1.15	5.52695652
RV0B-298b	1	Gray	15.02	12.65	1.87	0.34	8.83529412
RV0B-112a	1	Gray	19.34	9.16	2.09	0.36	10.7444444
RV0B-113b	1	Gray	12.85	7.44	1.76	0.16	16.0625

Table A.10 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV0B-030a	1	Gray	37.26	12.04	3.03	1.30	5.73230769
RV0B-038a	1	Gray	21.77	10.05	2.75	0.57	7.63859649
RV0B-048a	1	Gray	18.53	12.17	2.65	0.56	6.61785714
RV0B-327b	1	Gray	11.84	6.91	2.71	0.29	8.16551724
RV0B-333b	1	Gray	15.66	9.36	3.13	0.39	8.03076923
RV0B-338a	1	Gray	27.79	9.30	3.41	0.67	8.29552239
RV0B-344c	1	Gray	11.90	8.03	2.29	0.25	9.52
RV0B-349c	1	Gray	17.79	4.83	1.61	0.15	23.72
RV0B-450b	1	Gray	16.53	6.33	2.10	0.20	16.53
RV0B-450a	1	Gray	18.71	9.95	3.16	1.26	2.96984127
RV0B-175d	1	Gray	16.89	7.48	2.46	0.28	12.0642857
RV0B-378a	1	Gray	25.40	5.35	2.48	0.36	14.1111111
RV0B-132a	1	Gray	14.00	9.16	2.67	0.40	7
RV0B-381a	1	Gray	14.44	6.00	2.95	0.22	13.1272727
RV0B-191l	1	Gray	7.97	6.93	2.09	0.09	17.7111111
RV0B-414b	1	Green	11.53	8.87	2.11	0.29	7.95172414
RV0B-114c	1	Green	14.97	7.52	1.92	0.26	11.5153846
RV0B-227a	1	Green	28.37	7.57	1.91	0.57	9.95438596
RV0B-236c	1	Green	8.12	7.41	1.12	0.09	18.0444444
RV0B-241a	1	Green	21.21	6.67	1.60	0.22	19.2818182
RV0B-039a	1	Green	20.46	9.96	2.35	0.48	8.525
RV0B-040b	1	Green	15.95	7.56	2.94	0.37	8.62162162
RV0B-430a	1	Black	11.46	7.71	3.05	0.36	6.36666667
RV0B-102f	1	Black	2.69	11.88	3.62	0.09	5.97777778
RV0B-253a	1	Black	19.24	11.06	3.02	0.80	4.81
RV0B-432b	1	Black	8.31	9.29	1.81	0.19	8.74736842
RV0B-049a	1	Black	22.32	9.07	4.37	1.12	3.98571429
RV0B-051e	1	Black	10.65	5.15	1.94	0.14	15.2142857
RV0B-393a	1	Black	24.09	17.17	3.65	1.98	2.43333333
RV0B-191g	1	Black	15.87	14.45	2.87	0.72	4.40833333
RV0B-094a	1	Clear	15.00	9.31	1.62	0.24	12.5
RV0B-096c	1	Clear	15.02	10.80	2.00	0.43	6.98604651
RV0B-097c	1	Clear	16.39	6.70	1.76	0.24	13.6583333
RV0B-133a	1	Clear	11.35	7.60	2.65	0.28	8.10714286
RV0B-098a	1	Clear	21.60	9.98	2.73	0.42	10.2857143
RV0B-099b	1	Clear	13.34	7.11	2.70	0.29	9.2
RV0B-099a	1	Clear	15.31	8.30	2.96	0.51	6.00392157
RV0B-100b	1	Clear	16.06	7.10	3.10	0.35	9.17714286
RV0B-395a	1	Clear	11.73	8.61	1.67	0.19	12.3473684
RV0B-398b	2	Clear	18.02	9.52	2.27	0.54	6.67407407

Table A.10 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV0B-401a	1	Clear	11.43	5.50	2.64	0.14	16.3285714
RV0B-409a	1	Clear	15.60	7.64	2.99	0.27	11.5555556
RV0B-208a	1	Clear	29.53	8.45	2.13	0.63	9.37460317
RV0B-217b	1	Clear	9.37	6.43	2.02	0.11	17.0363636
RV0B-218d	1	Clear	12.64	8.12	2.63	0.30	8.42666667
RV0B-222c	1	Clear	8.90	9.26	2.05	0.23	7.73913043
RV0B-222b	1	Clear	16.31	5.62	2.02	0.20	16.31
RV0B-227c	1	Clear	20.63	11.07	3.83	0.85	4.85411765
RV0B-234b	1	Clear	8.33	4.52	1.04	0.03	55.5333333
RV0B-247a	1	Clear	23.47	10.13	1.81	0.55	8.53454545
RV0B-247b	1	Clear	15.96	8.39	2.53	0.34	9.38823529
RV0B-257a	1	Clear	18.67	7.48	2.04	0.32	11.66875
RV0B-429a	1	Clear	34.52	12.09	2.67	1.14	6.05614035
RV0B-430b	1	Clear	8.84	9.22	3.15	0.24	7.36666667
RV0B-134e	1	Clear	6.32	8.87	1.76	0.12	10.5333333
RV0B-252b	1	Clear	21.29	11.96	3.34	0.84	5.06904762
RV0B-252d	1	Clear	13.39	7.06	0.94	0.07	38.2571429
RV0B-267b	1	Clear	22.69	8.68	2.62	0.52	8.72692308
RV0B-272b	1	Clear	14.45	11.16	3.56	0.60	4.81666667
RV0B-432a	1	Clear	28.19	12.10	2.42	1.03	5.47378641
RV0B-432d	1	Clear	7.38	8.20	2.27	0.17	8.68235294
RV0B-137a	1	Clear	27.56	9.63	2.99	0.86	6.40930233
RV0B-140b	1	Clear	9.85	8.66	3.38	0.30	6.56666667
RV0B-003a	1	Clear	16.17	8.07	2.39	0.24	13.475
RV0B-118a	1	Clear	22.96	11.31	2.87	0.84	5.46666667
RV0B-275b	1	Clear	11.81	10.56	2.64	0.24	9.84166667
RV0B-281a	1	Clear	14.92	9.13	1.81	0.35	8.52571429
RV0B-440a	1	Clear	20.45	8.40	2.20	0.40	10.225
RV0B-448a	1	Clear	20.63	7.37	2.16	0.33	12.5030303
RV0B-006b	1	Clear	9.84	9.87	2.19	0.23	8.55652174
RV0B-011c	1	Clear	11.55	8.47	2.02	0.27	8.55555556
RV0B-014a	1	Clear	28.91	8.50	3.06	0.80	7.2275
RV0B-017a	1	Clear	19.49	7.07	1.88	0.24	16.2416667
RV0B-295g	1	Clear	7.99	11.39	2.67	0.31	5.15483871
RV0B-424b	1	Clear	15.25	8.19	2.25	0.38	8.02631579
RV0B-110a	1	Clear	22.54	12.26	2.75	0.86	5.24186047
RV0B-112f	1	Clear	10.28	10.17	1.79	0.28	7.34285714
RV0B-144a	1	Clear	10.72	9.00	3.28	0.33	6.4969697
RV0B-147c	1	Clear	20.47	11.55	2.27	0.75	5.45866667
RV0B-147a	1	Clear	22.95	14.01	1.93	0.56	8.19642857

Table A.10 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV0B-018a	1	Clear	16.25	9.21	2.43	0.31	10.483871
RV0B-018b	1	Clear	14.97	9.46	1.94	0.38	7.87894737
RV0B-023c	1	Clear	7.87	6.96	2.03	0.13	12.1076923
RV0B-120b	1	Clear	16.00	6.26	2.21	0.22	14.5454545
RV0B-021a	1	Clear	23.02	10.27	3.01	0.88	5.23181818
RV0B-023a	1	Clear	17.45	7.64	2.15	0.35	9.97142857
RV0B-120d	1	Clear	12.42	8.74	2.01	0.22	11.2909091
RV0B-024d	1	Clear	15.66	12.40	2.76	0.57	5.49473684
RV0B-026a	1	Clear	40.40	9.50	2.99	1.12	7.21428571
RV0B-026b	1	Clear	27.37	8.87	1.45	0.49	11.1714286
RV0B-315e	1	Clear	14.22	10.26	2.92	0.61	4.66229508
RV0B-315c	1	Clear	24.46	11.26	3.46	1.15	4.25391304
RV0B-318e	1	Clear	7.15	8.91	2.30	0.20	7.15
RV0B-322b	1	Clear	12.43	9.27	2.06	0.30	8.28666667
RV0B-151b	1	Clear	19.76	10.58	2.98	0.54	7.31851852
RV0B-153a	1	Clear	15.15	13.15	2.11	0.46	6.58695652
RV0B-154a	1	Clear	18.94	8.12	2.60	0.46	8.23478261
RV0B-113d	1	Clear	9.28	9.22	2.15	0.19	9.76842105
RV0B-449b	1	Clear	14.50	8.72	2.12	0.34	8.52941176
RV0B-157c	1	Clear	17.27	8.76	2.53	0.40	8.635
RV0B-157a	1	Clear	28.65	8.61	2.00	0.58	9.87931034
RV0B-157d	1	Clear	8.63	7.61	1.90	0.16	10.7875
RV0B-031d	1	Clear	15.88	9.00	2.11	0.28	11.3428571
RV0B-030b	1	Clear	11.22	8.48	3.66	0.41	5.47317073
RV0B-031a	1	Clear	25.71	6.98	2.47	0.46	11.1782609
RV0B-031b	1	Clear	19.90	6.68	1.99	0.29	13.7241379
RV0B-031f	1	Clear	12.44	11.31	2.37	0.36	6.91111111
RV0B-032a	1	Clear	23.78	6.93	2.83	0.46	10.3391304
RV0B-121b	1	Clear	18.64	7.52	3.32	0.54	6.9037037
RV0B-121c	1	Clear	18.95	10.52	2.30	0.51	7.43137255
RV0B-040a	1	Clear	16.58	9.77	2.84	0.48	6.90833333
RV0B-042a	1	Clear	18.35	8.86	2.73	0.51	7.19607843
RV0B-043a	1	Clear	22.38	9.22	2.91	0.59	7.58644068
RV0B-046a	1	Clear	15.70	9.63	2.94	0.59	5.3220339
RV0B-046c	1	Clear	5.94	10.32	3.09	0.15	7.92
RV0B-049b	1	Clear	17.84	9.30	2.55	0.52	6.86153846
RV0B-162b	1	Clear	11.86	10.59	3.32	0.42	5.64761905
RV0B-163a	1	Clear	28.86	10.24	2.66	0.93	6.20645161
RV0B-163b	1	Clear	20.12	10.45	2.01	0.42	9.58095238
RV0B-163c	1	Clear	18.05	6.94	2.59	0.38	9.5

Table A.10 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV0B-163e	1	Clear	17.24	9.45	1.73	0.37	9.31891892
RV0B-163f	1	Clear	7.10	8.81	1.72	0.10	14.2
RV0B-166e	1	Clear	16.67	7.49	2.08	0.27	12.3481481
RV0B-168c	1	Clear	11.72	8.66	2.72	0.32	7.325
RV0B-052a	1	Clear	24.76	8.66	2.00	0.56	8.84285714
RV0B-057b	1	Clear	14.19	10.19	2.44	0.35	8.10857143
RV0B-056h	1	Clear	11.91	11.86	1.82	0.29	8.2137931
RV0B-058a	1	Clear	23.40	8.40	2.10	0.57	8.21052632
RV0B-059a	1	Clear	28.92	8.58	2.05	0.64	9.0375
RV0B-062a	1	Clear	15.55	6.92	2.23	0.28	11.1071429
RV0B-062b	1	Clear	10.33	5.24	1.62	0.12	17.2166667
RV0B-062e	1	Clear	8.06	5.98	1.86	0.12	13.4333333
RV0B-365b	1	Clear	12.69	7.27	2.48	0.27	9.4
RV0B-175a	1	Clear	24.98	11.78	2.65	1.16	4.30689655
RV0B-176a	1	Clear	15.25	8.34	2.53	0.39	7.82051282
RV0B-177c	1	Clear	10.40	10.32	2.46	0.24	8.66666667
RV0B-178a	1	Clear	21.92	12.08	2.93	0.93	4.71397849
RV0B-179d	1	Clear	17.97	7.70	1.54	0.32	11.23125
RV0B-064c	1	Clear	8.15	8.59	1.97	0.15	10.8666667
RV0B-064b	1	Clear	9.07	9.28	3.19	0.30	6.04666667
RV0B-065c	1	Clear	9.69	8.14	2.15	0.21	9.22857143
RV0B-067a	1	Clear	20.81	8.84	2.33	0.51	8.16078431
RV0B-068a	1	Clear	34.38	7.53	3.16	1.00	6.876
RV0B-069b	1	Clear	16.72	8.11	2.75	0.40	8.36
RV0B-070a	1	Clear	22.52	8.99	3.66	0.74	6.08648649
RV0B-071d	1	Clear	9.46	8.06	1.97	0.15	12.6133333
RV0B-077a	1	Clear	23.23	7.32	1.75	0.42	11.0619048
RV0B-079a	1	Clear	16.60	9.77	3.50	0.66	5.03030303
RV0B-079b	1	Clear	7.56	7.53	2.08	0.16	9.45
RV0B-370a	1	Clear	22.74	9.76	2.02	0.41	11.0926829
RV0B-375a	1	Clear	30.31	12.66	3.24	1.34	4.5238806
RV0B-186c	1	Clear	9.70	7.94	2.11	0.21	9.23809524
RV0B-186a	1	Clear	25.34	9.98	3.36	0.72	7.03888889
RV0B-188a	1	Clear	28.85	11.03	2.99	0.95	6.07368421
RV0B-083a	1	Clear	16.40	8.38	3.65	0.60	5.46666667
RV0B-126b	1	Clear	12.69	7.34	2.95	0.33	7.69090909
RV0B-128a	1	Clear	13.78	5.88	2.70	0.22	12.5272727
RV0B-090a	1	Clear	23.25	10.87	3.31	0.91	5.10989011
RV0B-380b	1	Clear	20.07	9.77	3.30	0.78	5.14615385
RV0B-380a	1	Clear	22.53	9.44	2.78	0.62	7.26774194

Table A.10 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV0B-383a	1	Clear	28.08	11.01	2.31	1.00	5.616
RV0B-385a	1	Clear	21.89	10.32	2.46	0.48	9.12083333
RV0B-392b	1	Clear	7.99	9.95	1.76	0.13	12.2923077
RV0B-407a	1	Clear	22.25	10.84	2.08	0.71	6.26760563
RV0B-194c	1	Clear	17.60	11.09	2.62	0.56	6.28571429
RV0B-195a	1	Clear	24.59	9.81	2.94	0.93	5.28817204
RV0B-199a	1	Clear	23.11	9.20	3.12	0.69	6.69855072
RV0B-199b	1	Clear	20.80	10.26	2.78	0.83	5.01204819
RV0B-205c	1	Clear	14.61	6.68	1.98	0.21	13.9142857
RV0B-093a	1	Gray	19.54	10.58	3.70	0.82	4.76585366
RV0B-095a	2	Gray	24.63	13.41	3.00	1.29	3.81860465
RV0B-427a	1	Gray	22.75	9.70	2.01	0.55	8.27272727
RV0B-394a	1	Gray	30.88	9.75	2.49	0.93	6.64086022
RV0B-441b	1	Gray	9.74	10.80	1.82	0.25	7.792
RV0B-400a	1	Gray	11.57	8.03	2.35	0.24	9.64166667
RV0B-403b	1	Gray	15.54	10.53	2.83	0.48	6.475
RV0B-404a	1	Gray	8.24	11.87	2.60	0.21	7.84761905
RV0B-409b	1	Gray	13.11	7.35	1.68	0.22	11.9181818
RV0B-411a	1	Gray	22.83	9.86	2.50	0.82	5.56829268
RV0B-413a	1	Gray	19.61	7.10	2.14	0.41	9.56585366
RV0B-405a	1	Gray	11.68	10.50	2.71	0.42	5.56190476
RV0B-416a	1	Gray	13.51	9.92	1.86	0.35	7.72
RV0B-415a	1	Gray	19.27	8.14	2.33	0.46	8.37826087
RV0B-418b	1	Gray	13.16	8.33	2.70	0.35	7.52
RV0B-419a	1	Gray	14.40	10.65	2.29	0.35	8.22857143
RV0B-421a	1	Gray	13.54	11.28	3.06	0.64	4.23125
RV0B-208b	1	Gray	18.95	7.87	1.96	0.34	11.1470588
RV0B-206a	1	Gray	19.73	6.58	2.11	0.32	12.33125
RV0B-206b	1	Gray	16.39	6.90	2.32	0.34	9.64117647
RV0B-206c	1	Gray	14.37	9.22	1.83	0.32	8.98125
RV0B-208f	1	Gray	5.85	8.30	1.76	0.11	10.6363636
RV0B-214b	1	Gray	5.99	10.53	3.24	0.26	4.60769231
RV0B-217a	1	Gray	13.53	8.83	1.88	0.24	11.275
RV0B-212a	1	Gray	23.90	6.14	1.97	0.31	15.4193548
RV0B-215b	1	Gray	14.28	10.04	2.43	0.43	6.64186047
RV0B-216a	1	Gray	20.86	13.57	2.39	0.82	5.08780488
RV0B-210b	1	Gray	19.45	11.73	2.81	0.79	4.92405063
RV0B-224a	1	Gray	10.18	10.65	2.19	0.33	6.16969697
RV0B-220b	1	Gray	19.03	10.73	3.03	0.75	5.07466667
RV0B-222e	1	Gray	9.86	7.53	1.73	0.16	12.325

Table A.10 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV0B-223a	1	Gray	20.01	13.31	2.63	0.90	4.44666667
RV0B-223h	1	Gray	9.16	7.59	1.38	0.12	15.2666667
RV0B-221b	1	Gray	10.92	7.97	2.29	0.22	9.92727273
RV0B-220a	1	Gray	30.36	17.33	2.28	1.07	5.67476636
RV0B-223b	1	Gray	13.87	10.16	2.68	0.38	7.3
RV0B-223d	1	Gray	12.68	7.42	2.25	0.30	8.45333333
RV0B-221a	1	Gray	19.56	9.49	2.13	0.56	6.98571429
RV0B-222a	1	Gray	23.76	7.64	1.95	0.50	9.504
RV0B-223c	1	Gray	13.14	11.74	3.26	0.54	4.86666667
RV0B-223e	1	Gray	11.67	7.25	2.25	0.23	10.1478261
RV0B-223f	1	Gray	11.19	11.62	3.23	0.44	5.08636364
RV0B-228a	1	Gray	25.47	8.92	1.63	0.47	10.8382979
RV0B-229a	1	Gray	18.14	8.61	2.81	0.58	6.25517241
RV0B-225d	1	Gray	7.58	6.55	1.56	0.11	13.7818182
RV0B-226a	1	Gray	17.60	11.46	3.15	0.60	5.86666667
RV0B-229b	1	Gray	17.63	8.48	1.85	0.36	9.79444444
RV0B-225a	1	Gray	17.98	10.93	3.12	0.68	5.28823529
RV0B-225c	1	Gray	15.40	7.15	2.38	0.29	10.6206897
RV0B-230a	1	Gray	20.39	15.04	3.02	0.89	4.58202247
RV0B-231a	1	Gray	37.66	7.87	1.82	0.68	11.0764706
RV0B-232c	1	Gray	21.03	12.69	3.08	1.15	3.6573913
RV0B-233b	1	Gray	11.91	7.12	1.66	0.17	14.0117647
RV0B-239d	1	Gray	7.97	9.24	3.41	0.24	6.64166667
RV0B-238c	1	Gray	9.15	7.64	2.16	0.17	10.7647059
RV0B-238e	1	Gray	6.89	4.50	0.94	0.02	68.9
RV0B-233c	1	Gray	10.25	8.62	2.50	0.28	7.32142857
RV0B-233d	1	Gray	9.68	9.75	1.86	0.13	14.8923077
RV0B-234a	1	Gray	27.09	8.67	1.85	0.67	8.08656716
RV0B-235a	1	Gray	16.84	12.00	2.39	0.53	6.35471698
RV0B-239c	1	Gray	10.10	8.55	1.59	0.17	11.8823529
RV0B-240a	1	Gray	23.03	9.24	2.01	0.62	7.42903226
RV0B-242b	1	Gray	17.42	7.77	2.32	0.38	9.16842105
RV0B-244d	1	Gray	10.77	8.73	2.29	0.28	7.69285714
RV0B-443a	1	Gray	23.18	8.26	2.56	0.68	6.81764706
RV0B-242c	1	Gray	17.01	7.67	2.34	0.38	8.95263158
RV0B-242d	1	Gray	11.57	7.42	1.91	0.21	11.0190476
RV0B-244e	1	Gray	4.93	8.94	1.44	0.07	14.0857143
RV0B-240b	1	Gray	19.33	6.79	1.83	0.27	14.3185185
RV0B-241b	1	Gray	9.79	7.48	1.82	0.14	13.9857143
RV0B-244a	1	Gray	18.89	8.39	2.70	0.54	6.9962963

Table A.10 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV0B-246b	1	Gray	17.12	6.94	2.27	0.32	10.7
RV0B-249c	1	Gray	6.80	9.40	1.82	0.14	9.71428571
RV0B-431a	1	Gray	26.27	13.84	3.23	1.38	3.80724638
RV0B-431b	1	Gray	24.67	6.24	1.73	0.29	17.0137931
RV0B-431d	1	Gray	11.65	8.70	1.95	0.25	9.32
RV0B-102b	1	Gray	22.02	9.03	2.46	0.61	7.21967213
RV0B-102c	1	Gray	17.25	10.15	2.91	0.60	5.75
RV0B-103c	1	Gray	7.71	15.51	2.88	0.37	4.16756757
RV0B-134c	1	Gray	12.37	11.28	1.94	0.36	6.87222222
RV0B-135c	1	Gray	12.68	5.84	2.28	0.15	16.9066667
RV0B-254a	1	Gray	57.73	21.41	3.04	4.68	2.46709402
RV0B-253b	1	Gray	10.08	7.32	2.37	0.19	10.6105263
RV0B-254b	1	Gray	20.83	11.98	2.99	0.84	4.95952381
RV0B-264b	1	Gray	9.19	7.07	1.73	0.15	12.25333333
RV0B-265a	2	Gray	15.99	11.36	2.76	0.63	5.07619048
RV0B-258a	1	Gray	24.74	13.00	2.51	0.91	5.43736264
RV0B-267a	1	Gray	24.60	7.21	2.71	0.68	7.23529412
RV0B-272e	1	Gray	13.33	5.32	2.42	0.18	14.81111111
RV0B-272f	1	Gray	8.38	2.91	2.18	0.04	41.9
RV0B-272g	1	Gray	6.94	5.54	1.91	0.09	15.42222222
RV0B-272h	2	Gray	5.14	5.88	2.03	0.07	14.6857143
RV0B-439a	1	Gray	32.88	12.99	3.94	1.89	3.47936508
RV0B-439ac	1	Gray	19.16	9.06	1.80	0.43	8.91162791
RV0B-432c	1	Gray	8.01	14.22	2.25	0.28	5.72142857
RV0B-433a	1	Gray	21.24	11.29	3.85	1.01	4.20594059
RV0B-105a	1	Gray	13.04	10.95	2.56	0.49	5.32244898
RV0B-136b	1	Gray	14.37	7.40	2.18	0.26	11.0538462
RV0B-139a	1	Gray	13.22	10.38	2.36	0.32	8.2625
RV0B-117a	1	Gray	17.81	10.31	2.54	0.64	5.565625
RV0B-001a	1	Gray	11.14	7.40	2.32	0.24	9.28333333
RV0B-116a	1	Gray	18.84	10.24	2.88	0.60	6.28
RV0B-116b	1	Gray	12.32	8.73	2.55	0.30	8.21333333
RV0B-275a	1	Gray	24.41	9.24	3.42	0.98	4.98163265
RV0B-277c	1	Gray	12.60	7.13	2.81	0.27	9.33333333
RV0B-277b	1	Gray	14.81	9.02	2.18	0.32	9.25625
RV0B-279a	1	Gray	6.63	6.15	2.07	0.08	16.575
RV0B-282a	1	Gray	16.39	9.94	1.95	0.45	7.28444444
RV0B-107a	1	Gray	22.48	11.16	2.71	0.76	5.91578947
RV0B-107b	1	Gray	11.59	7.06	2.18	0.18	12.8777778
RV0B-107c	1	Gray	5.98	5.94	1.80	0.04	29.9

Table A.10 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV0B-108a	1	Gray	20.04	13.03	3.40	0.98	4.08979592
RV0B-142a	1	Gray	11.93	8.82	2.22	0.32	7.45625
RV0B-143a	1	Gray	12.16	13.16	2.03	0.36	6.75555556
RV0B-005a	1	Gray	35.35	15.05	2.98	2.22	3.18468468
RV0B-119b	1	Gray	6.79	6.06	2.29	0.10	13.58
RV0B-119a	1	Gray	10.59	11.78	2.71	0.34	6.22941176
RV0B-008b	1	Gray	16.71	8.69	2.44	0.43	7.77209302
RV0B-008a	1	Gray	18.09	6.72	2.36	0.31	11.6709677
RV0B-008c	1	Gray	14.38	9.49	2.64	0.52	5.53076923
RV0B-009a	1	Gray	8.15	10.14	2.36	0.23	7.08695652
RV0B-010d	1	Gray	14.10	11.88	3.72	0.52	5.42307692
RV0B-010b	1	Gray	13.84	9.80	2.25	0.36	7.68888889
RV0B-010c	1	Gray	12.96	13.71	2.73	0.58	4.46896552
RV0B-011a	1	Gray	23.19	10.49	2.74	0.85	5.45647059
RV0B-011b	1	Gray	12.10	10.24	2.89	0.43	5.62790698
RV0B-012a	1	Gray	19.90	8.79	1.91	0.32	12.4375
RV0B-015a	1	Gray	11.71	7.55	1.87	0.20	11.71
RV0B-017b	1	Gray	19.39	9.90	1.75	0.49	7.91428571
RV0B-286a	1	Gray	28.99	14.21	3.29	1.74	3.33218391
RV0B-286b	1	Gray	18.47	14.27	2.89	0.87	4.24597701
RV0B-287a	1	Gray	20.35	10.63	2.65	0.69	5.89855072
RV0B-287c	1	Gray	12.45	10.29	3.66	0.45	5.53333333
RV0B-287d	2	Gray	11.39	7.74	2.19	0.17	13.4
RV0B-289c	1	Gray	12.02	13.50	3.84	0.63	3.81587302
RV0B-289d	1	Gray	6.50	9.01	1.84	0.15	8.66666667
RV0B-291a	1	Gray	10.40	12.58	2.04	0.37	5.62162162
RV0B-290a	1	Gray	24.17	10.03	2.77	1.02	4.73921569
RV0B-294a	1	Gray	14.06	7.47	2.03	0.28	10.0428571
RV0B-296i	1	Gray	16.70	12.51	2.50	0.64	5.21875
RV0B-295f	1	Gray	10.16	11.58	1.76	0.22	9.23636364
RV0B-295d	1	Gray	12.74	6.93	1.72	0.17	14.9882353
RV0B-295e	1	Gray	12.11	4.49	1.59	0.09	26.91111111
RV0B-424a	1	Gray	18.38	9.67	3.16	0.65	5.65538462
RV0B-297a	1	Gray	10.94	11.31	2.22	0.28	7.81428571
RV0B-298c	1	Gray	7.72	13.11	2.75	0.32	4.825
RV0B-298a	1	Gray	24.83	11.36	3.21	1.18	4.20847458
RV0B-435b	1	Gray	10.16	7.31	2.07	0.22	9.23636364
RV0B-435a	1	Gray	23.17	7.81	2.43	0.50	9.268
RV0B-111e	1	Gray	8.19	7.75	2.00	0.11	14.8909091
RV0B-111c	1	Gray	9.35	6.94	1.58	0.12	15.58333333

Table A.10 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV0B-111b	1	Gray	14.36	9.58	1.95	0.43	6.67906977
RV0B-111d	1	Gray	9.76	9.31	1.76	0.16	12.2
RV0B-112c	1	Gray	13.11	11.20	3.45	0.37	7.08648649
RV0B-145c	1	Gray	15.21	9.32	3.50	0.50	6.084
RV0B-145b	1	Gray	18.01	9.73	2.29	0.50	7.204
RV0B-146a	1	Gray	13.16	12.87	2.89	0.50	5.264
RV0B-149b	1	Gray	9.06	6.96	1.27	0.12	15.1
RV0B-020b	1	Gray	14.94	11.01	3.61	0.69	4.33043478
RV0B-120f	1	Gray	9.02	7.55	1.47	0.11	16.4
RV0B-023b	1	Gray	10.60	8.87	2.29	0.26	8.15384615
RV0B-024e	1	Gray	13.69	9.50	2.08	0.37	7.4
RV0B-024b	1	Gray	24.20	12.18	4.48	1.64	2.95121951
RV0B-024a	1	Gray	25.55	9.41	3.23	0.92	5.55434783
RV0B-025d	1	Gray	13.40	7.71	2.23	0.30	8.93333333
RV0B-025e	1	Gray	13.47	9.32	1.95	0.34	7.92352941
RV0B-027a	1	Gray	8.69	10.87	2.51	0.30	5.79333333
RV0B-029a	1	Gray	21.68	8.30	2.19	0.52	8.33846154
RV0B-300a	1	Gray	30.84	6.24	2.41	0.40	15.42
RV0B-302b	1	Gray	17.63	10.49	1.99	0.47	7.50212766
RV0B-304a	1	Gray	26.92	5.74	1.47	0.35	15.3828571
RV0B-306a	1	Gray	28.62	13.53	3.10	1.53	3.74117647
RV0B-306b	1	Gray	25.92	7.67	2.87	0.73	7.10136986
RV0B-309a	1	Gray	20.66	10.67	3.25	0.68	6.07647059
RV0B-311a	1	Gray	21.90	9.92	2.41	0.67	6.53731343
RV0B-311b	1	Gray	17.69	9.53	2.26	0.47	7.52765957
RV0B-310a	1	Gray	54.67	18.61	6.17	5.47	1.99890311
RV0B-312a	1	Gray	22.27	9.81	2.42	0.68	6.55
RV0B-316a	1	Gray	8.28	9.32	4.01	0.42	3.94285714
RV0B-315f	1	Gray	11.81	8.71	1.78	0.18	13.1222222
RV0B-315g	1	Gray	10.27	9.96	2.37	0.29	7.08275862
RV0B-315d	1	Gray	23.09	9.12	2.23	0.56	8.24642857
RV0B-315b	1	Gray	25.74	9.98	2.53	0.74	6.95675676
RV0B-317a	1	Gray	16.79	13.94	4.72	0.92	3.65
RV0B-319b	1	Gray	13.38	10.82	2.37	0.39	6.86153846
RV0B-319a	1	Gray	19.21	7.69	2.17	0.39	9.85128205
RV0B-319c	2	Gray	21.25	8.30	1.21	0.19	22.3684211
RV0B-318d	1	Gray	9.17	8.76	1.63	0.17	10.7882353
RV0B-321a	1	Gray	27.27	14.59	2.77	1.31	4.16335878
RV0B-324b	1	Gray	10.60	11.22	3.38	0.47	4.5106383
RV0B-324c	2	Gray	12.32	7.68	2.12	0.24	10.2666667

Table A.10 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV0B-324a	1	Gray	20.09	19.90	3.23	1.21	3.32066116
RV0B-151c	1	Gray	8.97	5.48	1.74	0.12	14.95
RV0B-154c	1	Gray	12.65	7.12	2.34	0.27	9.37037037
RV0B-154b	1	Gray	15.91	10.61	3.33	0.80	3.9775
RV0B-113c	1	Gray	11.04	7.00	1.52	0.17	12.9882353
RV0B-155a	1	Gray	10.96	11.25	3.15	0.56	3.91428571
RV0B-113a	1	Gray	14.87	12.79	3.10	0.56	5.31071429
RV0B-157b	1	Gray	19.52	8.52	2.46	0.46	8.48695652
RV0B-158a	1	Gray	18.76	15.46	3.09	1.05	3.57333333
RV0B-438a	1	Gray	9.37	9.41	2.65	0.26	7.20769231
RV0B-031g	1	Gray	9.80	7.75	2.79	0.24	8.16666667
RV0B-033a	1	Gray	11.39	10.27	1.86	0.30	7.59333333
RV0B-034a	1	Gray	29.29	9.20	2.19	0.76	7.70789474
RV0B-034b	1	Gray	7.22	10.90	1.66	0.12	12.0333333
RV0B-032c	1	Gray	12.12	8.44	2.38	0.29	8.35862069
RV0B-032d	1	Gray	11.70	9.11	2.39	0.30	7.8
RV0B-030d	1	Gray	10.72	7.02	2.32	0.22	9.74545455
RV0B-031e	1	Gray	13.83	8.02	1.63	0.27	10.2444444
RV0B-039b	1	Gray	15.73	11.42	2.52	0.60	5.24333333
RV0B-121a	1	Gray	32.35	11.84	2.75	1.36	4.75735294
RV0B-039c	1	Gray	14.89	9.06	1.59	0.23	12.9478261
RV0B-042b	1	Gray	17.35	8.63	1.96	0.40	8.675
RV0B-045b	1	Gray	10.93	6.74	1.42	0.15	14.5733333
RV0B-045c	1	Gray	10.06	9.40	1.26	0.15	13.4133333
RV0B-046b	1	Gray	6.67	9.87	1.47	0.11	12.1272727
RV0B-047a	1	Gray	19.13	13.77	3.97	1.21	3.16198347
RV0B-047b	1	Gray	15.92	10.52	2.65	0.53	6.00754717
RV0B-049c	1	Gray	15.86	5.90	2.07	0.27	11.7481481
RV0B-326a	1	Gray	22.65	9.39	3.24	0.75	6.04
RV0B-445b	1	Gray	23.90	11.29	2.97	0.98	4.87755102
RV0B-329a	1	Gray	21.34	11.89	2.98	0.95	4.49263158
RV0B-329b	1	Gray	17.92	18.00	2.68	1.22	2.93770492
RV0B-332a	1	Gray	26.82	8.46	2.30	0.61	8.79344262
RV0B-334a	1	Gray	9.15	11.94	2.89	0.39	4.69230769
RV0B-333a	1	Gray	21.14	11.19	3.10	0.73	5.79178082
RV0B-337a	1	Gray	25.99	7.22	1.82	0.40	12.995
RV0B-340a	1	Gray	28.43	9.01	1.96	0.67	8.48656716
RV0B-341c	1	Gray	11.26	11.22	1.80	0.25	9.008
RV0B-341b	1	Gray	20.76	7.01	1.87	0.34	12.2117647
RV0B-341a	1	Gray	36.09	10.79	2.25	1.21	5.96528926

Table A.10 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV0B-342a	1	Gray	19.06	11.56	3.68	0.76	5.01578947
RV0B-343a	1	Gray	11.15	7.35	1.71	0.18	12.3888889
RV0B-345b	1	Gray	13.91	7.59	1.99	0.27	10.3037037
RV0B-159b	1	Gray	11.47	6.61	1.98	0.20	11.47
RV0B-162c	1	Gray	11.75	9.37	1.77	0.28	8.39285714
RV0B-163d	1	Gray	18.03	7.05	2.29	0.35	10.3028571
RV0B-164a	1	Gray	19.06	12.96	3.14	1.07	3.56261682
RV0B-166a	1	Gray	20.00	11.49	2.18	0.68	5.88235294
RV0B-166c	1	Gray	18.14	8.47	1.92	0.38	9.54736842
RV0B-168a	1	Gray	13.53	14.09	3.17	0.65	4.16307692
RV0B-168b	1	Gray	12.87	12.19	2.11	0.37	6.95675676
RV0B-168d	1	Gray	11.15	7.78	2.10	0.16	13.9375
RV0B-051a	1	Gray	19.88	8.93	2.45	0.42	9.46666667
RV0B-050a	1	Gray	26.98	9.94	3.26	0.96	5.62083333
RV0B-050b	1	Gray	24.57	10.79	2.44	0.84	5.85
RV0B-050c	1	Gray	16.13	11.80	2.70	0.69	4.67536232
RV0B-051b	1	Gray	16.76	10.48	3.20	0.55	6.09454545
RV0B-051c	1	Gray	10.57	10.61	2.32	0.32	6.60625
RV0B-052b	1	Gray	14.30	10.39	1.90	0.40	7.15
RV0B-054c	1	Gray	21.36	15.71	3.07	0.78	5.47692308
RV0B-052d	1	Gray	11.31	8.31	2.27	0.25	9.048
RV0B-053b	1	Gray	17.44	10.73	2.26	0.58	6.0137931
RV0B-056i	1	Gray	12.52	12.70	2.92	0.48	5.21666667
RV0B-056e	1	Gray	16.12	9.74	2.03	0.46	7.00869565
RV0B-057c	1	Gray	11.57	10.82	2.70	0.45	5.14222222
RV0B-057d	1	Gray	11.04	6.62	1.97	0.20	11.04
RV0B-056k	1	Gray	7.36	8.87	2.04	0.17	8.65882353
RV0B-056c	1	Gray	17.98	7.71	1.74	0.33	10.8969697
RV0B-056f	1	Gray	15.90	7.41	2.23	0.27	11.7777778
RV0B-056j	1	Gray	10.97	9.92	3.08	0.41	5.35121951
RV0B-057a	1	Gray	26.34	14.55	2.64	1.37	3.84525547
RV0B-059ac	1	Gray	14.17	11.37	3.81	0.68	4.16764706
RV0B-059e	1	Gray	12.05	5.73	2.09	0.08	30.125
RV0B-058b	1	Gray	12.23	12.67	2.28	0.42	5.82380952
RV0B-059b	1	Gray	15.61	13.04	2.51	0.70	4.46
RV0B-346b	1	Gray	8.90	8.00	2.09	0.18	9.88888889
RV0B-061a	1	Gray	13.52	9.68	1.50	0.31	8.72258065
RV0B-063a	1	Gray	20.83	7.02	2.93	0.44	9.46818182
RV0B-063c	1	Gray	12.40	7.38	1.86	0.17	14.5882353
RV0B-122b	1	Gray	6.65	12.09	2.13	0.24	5.54166667

Table A.10 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV0B-347a	1	Gray	15.34	9.01	2.07	0.36	8.52222222
RV0B-348a	1	Gray	18.45	12.74	3.21	0.86	4.29069767
RV0B-349a	1	Gray	31.97	9.25	2.26	0.78	8.1974359
RV0B-351a	1	Gray	24.55	9.15	3.06	0.92	5.33695652
RV0B-351b	1	Gray	20.56	12.17	2.77	0.74	5.55675676
RV0B-350a	1	Gray	29.22	14.73	3.32	1.57	3.72229299
RV0B-352a	1	Gray	16.87	9.35	2.25	0.29	11.6344828
RV0B-352b	1	Gray	8.75	10.50	2.22	0.22	7.95454545
RV0B-353a	1	Gray	29.65	12.06	3.01	1.28	4.6328125
RV0B-355a	1	Gray	27.95	13.73	3.33	1.84	3.03804348
RV0B-358b	1	Gray	15.67	10.23	2.95	0.60	5.22333333
RV0B-358c	1	Gray	9.70	8.42	2.95	0.29	6.68965517
RV0B-357b	1	Gray	20.80	9.39	2.34	0.57	7.29824561
RV0B-357a	1	Gray	27.70	9.83	2.53	0.79	7.01265823
RV0B-359a	1	Gray	21.20	8.01	2.32	0.42	10.0952381
RV0B-362b	1	Gray	20.84	11.24	2.44	0.81	5.14567901
RV0B-363b	1	Gray	20.84	11.09	1.85	0.48	8.68333333
RV0B-364a	1	Gray	11.33	12.36	3.56	0.50	4.532
RV0B-364b	1	Gray	11.61	8.19	1.98	0.20	11.61
RV0B-365a	1	Gray	18.08	10.15	2.74	0.64	5.65
RV0B-366b	1	Gray	17.36	9.86	2.02	0.42	8.26666667
RV0B-169a	1	Gray	34.99	13.86	3.09	1.76	3.97613636
RV0B-169b	1	Gray	13.43	8.88	2.60	0.44	6.10454545
RV0B-169c	1	Gray	9.20	7.76	1.85	0.21	8.76190476
RV0B-171c	1	Gray	15.45	8.68	3.29	0.45	6.86666667
RV0B-173a	1	Gray	12.62	11.61	2.54	0.44	5.73636364
RV0B-174b	1	Gray	14.19	14.87	3.08	0.70	4.05428571
RV0B-174c	1	Gray	13.35	6.84	1.95	0.22	12.1363636
RV0B-174a	1	Gray	36.13	8.59	2.33	0.85	8.50117647
RV0B-174d	1	Gray	9.57	10.38	3.22	0.34	5.62941176
RV0B-175e	1	Gray	13.23	7.58	2.43	0.29	9.12413793
RV0B-175f	1	Gray	6.42	8.68	1.85	0.09	14.2666667
RV0B-175g	1	Gray	4.42	7.94	1.80	0.05	17.68
RV0B-175c	1	Gray	16.67	9.47	2.27	0.39	8.54871795
RV0B-178c	1	Gray	14.72	9.50	1.74	0.27	10.9037037
RV0B-179b	1	Gray	26.37	12.11	2.79	1.21	4.35867769
RV0B-179e	1	Gray	13.40	9.63	2.21	0.36	7.44444444
RV0B-180a	1	Gray	25.05	11.97	3.09	1.05	4.77142857
RV0B-180f	1	Gray	10.46	12.74	3.18	0.50	4.184
RV0B-180g	1	Gray	8.24	8.67	3.14	0.28	5.88571429

Table A.10 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV0B-180d	1	Gray	14.93	7.89	2.21	0.30	9.95333333
RV0B-064a	1	Gray	10.20	6.32	2.08	0.16	12.75
RV0B-064d	1	Gray	7.95	7.18	1.40	0.10	15.9
RV0B-065b	1	Gray	18.86	6.57	1.62	0.24	15.7166667
RV0B-065a	1	Gray	25.23	8.40	1.87	0.56	9.01071429
RV0B-066a	1	Gray	15.88	8.54	2.45	0.47	6.75744681
RV0B-069a	1	Gray	24.41	10.59	2.68	1.00	4.882
RV0B-070b	1	Gray	17.65	6.32	1.77	0.25	14.12
RV0B-071b	1	Gray	17.47	10.92	2.11	0.55	6.35272727
RV0B-073a	1	Gray	20.68	6.71	2.18	0.39	10.6051282
RV0B-073b	1	Gray	18.86	6.13	2.31	0.35	10.7771429
RV0B-078a	1	Gray	11.40	11.93	1.90	0.31	7.35483871
RV0B-370b	1	Gray	13.99	8.04	2.14	0.27	10.362963
RV0B-374a	1	Gray	25.38	14.64	3.06	1.20	4.23
RV0B-372a	1	Gray	11.37	6.73	2.91	0.19	11.9684211
RV0B-373a	1	Gray	7.57	4.94	1.50	0.06	25.2333333
RV0B-183a	1	Gray	26.68	12.27	2.82	0.94	5.67659574
RV0B-183c	1	Gray	7.47	11.76	2.71	0.18	8.3
RV0B-184a	1	Gray	25.79	14.02	3.31	1.72	2.99883721
RV0B-184c	1	Gray	10.94	6.57	2.04	0.15	14.5866667
RV0B-185b	1	Gray	16.66	8.40	1.89	0.33	10.0969697
RV0B-186d	1	Gray	5.81	4.90	1.17	0.04	29.05
RV0B-186b	1	Gray	9.56	8.01	4.36	0.36	5.31111111
RV0B-188b	1	Gray	18.43	10.26	2.42	0.57	6.46666667
RV0B-188c	1	Gray	9.34	7.62	1.66	0.14	13.3428571
RV0B-081a	1	Gray	18.32	9.32	2.76	0.53	6.91320755
RV0B-084a	1	Gray	22.82	13.44	3.36	1.17	3.9008547
RV0B-123a	1	Gray	18.78	6.74	1.73	0.25	15.024
RV0B-069c	1	Gray	14.30	9.38	2.54	0.44	6.5
RV0B-085b	1	Gray	8.63	7.30	1.68	0.13	13.2769231
RV0B-124a	1	Gray	37.52	10.92	4.01	1.87	4.01283422
RV0B-087a	1	Gray	40.42	14.54	3.73	3.03	2.6679868
RV0B-127a	1	Gray	13.18	12.06	1.98	0.39	6.75897436
RV0B-128b	1	Gray	10.16	9.17	1.93	0.23	8.83478261
RV0B-130a	1	Gray	22.03	15.60	3.13	1.25	3.5248
RV0B-382a	1	Gray	12.50	6.44	2.01	0.26	9.61538462
RV0B-379a	1	Gray	17.59	11.81	2.50	0.69	5.09855072
RV0B-386b	1	Gray	13.42	12.45	2.88	0.44	6.1
RV0B-387a	1	Gray	31.62	11.01	2.42	1.14	5.54736842
RV0B-389a	1	Gray	11.35	12.54	2.68	0.50	4.54

Table A.10 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV0B-392c	1	Gray	7.58	7.74	1.48	0.10	15.16
RV0B-408a	1	Gray	10.80	8.59	2.20	0.21	10.2857143
RV0B-191c	1	Gray	22.14	9.40	2.18	0.54	8.2
RV0B-191d	1	Gray	19.76	8.57	2.53	0.46	8.59130435
RV0B-191i	1	Gray	8.66	9.70	2.48	0.20	8.66
RV0B-191a	1	Gray	31.52	9.36	2.35	0.80	7.88
RV0B-192a	1	Gray	13.67	8.50	2.10	0.31	8.81935484
RV0B-193b	1	Gray	10.63	6.51	1.90	0.16	13.2875
RV0B-194e	1	Gray	12.62	11.64	3.65	0.62	4.07096774
RV0B-194f	1	Gray	10.52	14.11	3.62	0.60	3.50666667
RV0B-195b	1	Gray	15.55	6.46	2.21	0.20	15.55
RV0B-196a	1	Gray	39.12	13.21	3.77	1.69	4.6295858
RV0B-194b	1	Gray	19.96	10.34	2.95	0.82	4.86829268
RV0B-194d	1	Gray	14.26	9.19	2.12	0.38	7.50526316
RV0B-195c	1	Gray	9.17	10.51	2.66	0.35	5.24
RV0B-196b	1	Gray	16.11	9.81	1.36	0.25	12.888
RV0B-197e	1	Gray	12.33	10.48	3.12	0.59	4.17966102
RV0B-197g	1	Gray	5.26	9.17	1.99	0.09	11.6888889
RV0B-197a	1	Gray	26.74	6.67	2.27	0.56	9.55
RV0B-197b	1	Gray	19.26	9.55	2.04	0.44	8.75454545
RV0B-198e	1	Gray	4.21	7.73	1.64	0.07	12.0285714
RV0B-198a	1	Gray	23.30	9.19	1.64	0.40	11.65
RV0B-198b	1	Gray	17.68	15.65	3.08	1.07	3.3046729
RV0B-198c	1	Gray	16.36	6.89	2.30	0.30	10.9066667
RV0B-199c	1	Gray	10.49	8.90	1.95	0.20	10.49
RV0B-200c	1	Gray	18.27	8.38	2.55	0.42	8.7
RV0B-200e	1	Gray	11.66	6.86	2.49	0.19	12.2736842
RV0B-200b	1	Gray	19.25	7.22	1.74	0.32	12.03125
RV0B-200d	1	Gray	11.59	8.87	2.06	0.27	8.58518519
RV0B-204c	1	Gray	17.84	7.85	1.49	0.30	11.8933333
RV0B-203c	1	Gray	19.90	14.50	2.80	0.97	4.10309278
RV0B-204a	1	Gray	21.83	6.64	2.33	0.43	10.1534884
RV0B-202a	1	Gray	9.26	7.84	1.92	0.19	9.74736842
RV0B-203a	1	Gray	26.01	9.22	2.03	0.66	7.88181818
RV0B-203b	1	Gray	23.83	12.76	2.69	0.73	6.52876712
RV0B-204b	1	Gray	18.15	10.82	2.70	0.62	5.85483871
RV0B-092a	1	Green	16.40	9.04	1.94	0.42	7.80952381
RV0B-095b	1	Green	12.89	10.07	2.24	0.35	7.36571429
RV0B-097b	1	Green	17.33	9.87	1.81	0.38	9.12105263
RV0B-100a	1	Green	24.34	9.22	1.48	0.43	11.3209302

Table A.10 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV0B-396a	1	Green	22.11	7.94	1.79	0.44	10.05
RV0B-441a	1	Green	15.95	9.77	2.04	0.41	7.7804878
RV0B-399a	1	Green	18.99	7.84	2.53	0.45	8.44
RV0B-402b	1	Green	12.22	9.73	1.51	0.25	9.776
RV0B-414a	1	Green	14.76	9.96	2.76	0.41	7.2
RV0B-428a	1	Green	22.61	11.11	2.45	0.89	5.08089888
RV0B-418a	1	Green	13.72	9.59	1.82	0.30	9.14666667
RV0B-418c	1	Green	11.29	8.18	2.25	0.24	9.408333333
RV0B-248a	1	Green	43.39	9.55	2.74	1.41	6.15460993
RV0B-206d	1	Green	7.80	7.27	2.76	0.23	6.7826087
RV0B-207a	1	Green	24.52	9.59	2.71	0.68	7.21176471
RV0B-208c	1	Green	14.98	10.20	2.49	0.46	6.51304348
RV0B-208d	1	Green	13.08	9.82	1.88	0.30	8.72
RV0B-209a	1	Green	21.91	8.33	1.87	0.41	10.6878049
RV0B-442b	1	Green	12.70	9.21	1.35	0.18	14.11111111
RV0B-114b	1	Green	17.13	8.22	1.80	0.32	10.70625
RV0B-210a	1	Green	19.01	8.99	1.91	0.42	9.05238095
RV0B-211a	1	Green	17.51	9.74	1.64	0.40	8.755
RV0B-211b	1	Green	10.95	9.00	2.56	0.27	8.111111111
RV0B-211c	1	Green	8.56	9.46	2.57	0.25	6.848
RV0B-213b	1	Green	7.83	7.41	1.94	0.13	12.0461538
RV0B-218b	1	Green	23.74	9.43	2.09	0.59	8.04745763
RV0B-218c	1	Green	17.21	8.73	2.20	0.39	8.82564103
RV0B-218e	1	Green	10.19	7.97	2.04	0.22	9.26363636
RV0B-221c	1	Green	10.95	5.22	2.49	0.13	16.8461538
RV0B-222d	1	Green	9.76	7.46	2.07	0.18	10.84444444
RV0B-225b	1	Green	16.91	10.33	1.77	0.40	8.455
RV0B-228b	1	Green	12.06	9.68	2.36	0.33	7.30909091
RV0B-229c	1	Green	15.82	10.05	2.57	0.51	6.20392157
RV0B-230b	1	Green	16.05	12.69	3.74	0.94	3.41489362
RV0B-231b	1	Green	33.21	7.93	1.85	0.62	10.7129032
RV0B-235b	1	Green	14.30	9.29	1.93	0.27	10.5925926
RV0B-236a	1	Green	15.09	7.36	1.80	0.22	13.7181818
RV0B-236b	1	Green	12.71	8.82	2.16	0.31	8.2
RV0B-237a	1	Green	12.87	8.10	2.01	0.23	11.1913043
RV0B-238b	1	Green	12.05	7.30	1.70	0.22	10.9545455
RV0B-243b	1	Green	23.31	10.36	2.30	0.63	7.4
RV0B-244c	1	Green	15.16	8.83	1.96	0.32	9.475
RV0B-245b	1	Green	13.28	9.02	2.30	0.36	7.37777778
RV0B-248c	1	Green	8.61	11.14	1.91	0.25	6.888

Table A.10 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV0B-249b	1	Green	7.56	7.22	2.00	0.16	9.45
RV0B-429c	1	Green	13.57	7.53	2.75	0.34	7.98235294
RV0B-429d	1	Green	12.92	8.12	2.13	0.29	8.91034483
RV0B-431c	1	Green	13.92	7.47	1.93	0.23	12.1043478
RV0B-101a	1	Green	11.52	10.32	2.02	0.32	7.2
RV0B-102a	1	Green	24.52	8.74	1.94	0.49	10.0081633
RV0B-102d	1	Green	14.61	7.53	1.76	0.28	10.4357143
RV0B-102e	1	Green	8.58	8.46	1.97	0.19	9.03157895
RV0B-134a	1	Green	17.98	9.77	2.23	0.44	8.17272727
RV0B-134d	1	Green	8.59	6.70	1.25	0.08	21.475
RV0B-135a	1	Green	14.44	5.81	2.40	0.25	11.552
RV0B-250a	1	Green	20.88	10.00	2.08	0.52	8.03076923
RV0B-250b	1	Green	4.88	9.50	1.97	0.11	8.87272727
RV0B-258b	1	Green	16.67	10.15	2.34	0.50	6.668
RV0B-261a	1	Green	12.14	9.16	1.82	0.24	10.1166667
RV0B-264a	1	Green	13.38	9.45	2.08	0.34	7.87058824
RV0B-269b	1	Green	19.05	10.00	2.17	0.46	8.2826087
RV0B-269d	1	Green	8.89	7.52	1.59	0.12	14.8166667
RV0B-271b	1	Green	16.26	8.57	1.94	0.40	8.13
RV0B-272a	1	Green	14.90	9.87	2.24	0.31	9.61290323
RV0B-272c	1	Green	12.04	11.27	2.06	0.27	8.91851852
RV0B-272d	1	Green	10.22	8.42	1.89	0.22	9.29090909
RV0B-439b	1	Green	21.65	8.13	2.00	0.43	10.0697674
RV0B-106b	1	Green	14.05	9.00	1.60	0.25	11.24
RV0B-106c	1	Green	13.17	6.48	2.03	0.21	12.5428571
RV0B-138a	1	Green	18.72	9.13	2.18	0.52	7.2
RV0B-139b	1	Green	9.15	6.61	1.69	0.08	22.875
RV0B-118b	1	Green	6.77	8.75	1.86	0.15	9.02666667
RV0B-273a	1	Green	19.16	11.00	2.35	0.67	5.71940299
RV0B-278a	1	Green	11.20	10.53	2.01	0.30	7.46666667
RV0B-434a	1	Green	16.92	10.07	1.97	0.45	7.52
RV0B-406a	1	Green	12.69	7.79	1.96	0.24	10.575
RV0B-448B	1	Green	14.00	8.12	2.25	0.32	8.75
RV0B-010a	1	Green	17.95	11.56	3.39	0.72	4.98611111
RV0B-287b	1	Green	14.73	8.36	2.00	0.21	14.0285714
RV0B-289a	1	Green	20.13	10.89	2.37	0.54	7.45555556
RV0B-289b	1	Green	13.93	8.19	1.92	0.30	9.28666667
RV0B-290c	1	Green	11.03	8.56	2.34	0.24	9.19166667
RV0B-293a	1	Green	18.11	7.99	1.95	0.33	10.9757576
RV0B-295c	1	Green	13.32	7.93	1.85	0.24	11.1

Table A.10 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV0B-109a	1	Green	27.80	9.08	2.02	0.74	7.51351351
RV0B-110b	1	Green	20.13	11.21	1.93	0.67	6.00895522
RV0B-111a	1	Green	21.58	8.17	2.14	0.52	8.3
RV0B-112d	1	Green	12.29	9.55	1.98	0.28	8.77857143
RV0B-147b	1	Green	22.30	9.07	2.32	0.60	7.43333333
RV0B-147d	1	Green	11.52	8.68	2.89	0.37	6.22702703
RV0B-120a	1	Green	18.36	11.54	2.55	0.66	5.56363636
RV0B-120ae	1	Green	11.88	8.86	1.82	0.27	8.8
RV0B-120c	1	Green	14.43	10.34	1.94	0.39	7.4
RV0B-025a	1	Green	26.36	7.77	2.11	0.63	8.36825397
RV0B-025c	1	Green	14.53	10.60	2.19	0.41	7.08780488
RV0B-026c	1	Green	16.72	11.65	3.00	0.71	4.70985915
RV0B-301a	1	Green	12.51	6.98	1.98	0.21	11.9142857
RV0B-301b	1	Green	6.06	7.21	1.35	0.09	13.4666667
RV0B-302a	1	Green	17.59	7.27	2.04	0.30	11.7266667
RV0B-303a	1	Green	16.54	8.84	3.10	0.49	6.75102041
RV0B-305a	1	Green	12.25	9.39	1.88	0.29	8.44827586
RV0B-308a	1	Green	25.33	11.74	2.37	0.95	5.33263158
RV0B-308b	1	Green	14.02	9.54	2.11	0.44	6.37272727
RV0B-310b	1	Green	13.35	9.13	2.00	0.34	7.85294118
RV0B-311c	1	Green	12.24	8.54	1.88	0.27	9.06666667
RV0B-313a	1	Green	8.44	8.60	1.93	0.17	9.92941176
RV0B-318b	1	Green	13.16	7.21	1.52	0.17	15.4823529
RV0B-318c	1	Green	9.85	7.63	1.72	0.20	9.85
RV0B-323a	1	Green	12.15	9.99	2.51	0.25	9.72
RV0B-449a	1	Green	31.22	8.39	2.18	0.72	8.67222222
RV0B-449d	1	Green	8.25	9.64	2.43	0.22	7.5
RV0B-156a	1	Green	23.68	10.91	1.63	0.50	9.472
RV0B-156b	1	Green	17.44	10.59	2.06	0.53	6.58113208
RV0B-031c	1	Green	16.03	9.80	2.14	0.36	8.90555556
RV0B-032b	1	Green	15.27	11.06	1.70	0.34	8.98235294
RV0B-037a	1	Green	22.13	7.18	1.79	0.38	11.6473684
RV0B-044b	1	Green	15.25	9.30	1.96	0.29	10.5172414
RV0B-045a	1	Green	10.66	10.36	2.71	0.40	5.33
RV0B-047c	1	Green	9.17	6.97	1.87	0.13	14.1076923
RV0B-049d	1	Green	16.48	7.94	1.78	0.27	12.2074074
RV0B-325a	1	Green	16.51	10.63	1.84	0.43	7.67906977
RV0B-327a	1	Green	18.96	10.26	1.87	0.50	7.584
RV0B-328b	1	Green	9.41	9.13	1.92	0.21	8.96190476
RV0B-330a	1	Green	16.43	7.15	1.64	0.22	14.9363636

Table A.10 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV0B-330b	1	Green	12.86	11.31	1.97	0.35	7.34857143
RV0B-336a	1	Green	11.61	7.62	1.99	0.20	11.61
RV0B-339a	1	Green	12.91	6.73	2.27	0.20	12.91
RV0B-341d	1	Green	9.28	10.04	2.30	0.21	8.83809524
RV0B-344b	1	Green	15.25	9.30	1.99	0.33	9.24242424
RV0B-159a	1	Green	15.98	8.92	2.06	0.42	7.60952381
RV0B-160a	1	Green	22.75	7.29	1.88	0.32	14.21875
RV0B-162a	1	Green	18.17	10.62	2.18	0.39	9.31794872
RV0B-162d	1	Green	9.94	13.10	1.87	0.33	6.02424242
RV0B-164b	1	Green	16.11	8.62	2.46	0.43	7.49302326
RV0B-164c	1	Green	16.11	9.46	2.34	0.37	8.70810811
RV0B-164d	1	Green	12.08	10.57	1.69	0.30	8.05333333
RV0B-165b	1	Green	9.43	6.94	2.37	0.20	9.43
RV0B-166d	1	Green	17.37	10.31	1.75	0.36	9.65
RV0B-166f	1	Green	11.58	9.64	2.26	0.37	6.25945946
RV0B-167a	1	Green	24.78	10.01	2.88	0.89	5.56853933
RV0B-168e	1	Green	8.63	7.07	1.54	0.13	13.2769231
RV0B-051d	1	Green	10.39	9.49	1.76	0.25	8.312
RV0B-053c	1	Green	13.90	9.85	2.17	0.35	7.94285714
RV0B-054d	1	Green	15.42	10.53	1.91	0.30	10.28
RV0B-059d	2	Green	10.32	9.68	1.95	0.25	8.256
RV0B-346a	1	Green	16.22	10.65	1.64	0.42	7.72380952
RV0B-061b	1	Green	14.00	8.49	1.79	0.30	9.33333333
RV0B-062c	1	Green	8.61	7.36	1.51	0.13	13.2461538
RV0B-062d	1	Green	7.80	8.53	2.24	0.17	9.17647059
RV0B-351c	1	Green	11.57	10.25	1.80	0.31	7.46451613
RV0B-356a	1	Green	8.63	10.75	1.57	0.18	9.58888889
RV0B-358a	1	Green	16.59	7.35	2.35	0.38	8.73157895
RV0B-360a	1	Green	5.76	11.85	1.73	0.17	6.77647059
RV0B-366c	1	Green	8.01	9.73	1.73	0.20	8.01
RV0B-367a	1	Green	22.77	12.13	2.23	0.75	6.072
RV0B-170a	1	Green	22.31	9.86	2.61	0.79	5.64810127
RV0B-171a	1	Green	29.18	9.13	2.00	0.66	8.84242424
RV0B-172a	1	Green	23.40	9.11	2.51	0.67	6.98507463
RV0B-173b	1	Green	11.43	9.63	1.99	0.23	9.93913043
RV0B-175b	1	Green	20.39	10.32	2.03	0.52	7.84230769
RV0B-176b	2	Green	19.53	8.75	2.50	0.58	6.73448276
RV0B-177b	1	Green	18.47	14.14	2.18	0.66	5.5969697
RV0B-180b	1	Green	20.74	10.24	1.98	0.52	7.97692308
RV0B-067c	1	Green	9.68	12.38	1.64	0.17	11.3882353

Table A.10 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV0B-071a	1	Green	18.49	8.92	2.40	0.59	6.26779661
RV0B-073c	1	Green	16.35	10.54	2.03	0.46	7.10869565
RV0B-074d	1	Green	7.71	9.35	2.05	0.17	9.07058824
RV0B-075b	1	Green	16.04	8.32	2.04	0.38	8.44210526
RV0B-076a	1	Green	9.79	13.57	2.41	0.48	4.07916667
RV0B-369a	1	Green	8.43	9.35	1.74	0.19	8.87368421
RV0B-371a	1	Green	17.66	9.86	2.19	0.48	7.35833333
RV0B-376a	1	Green	17.46	6.47	2.06	0.33	10.5818182
RV0B-378b	1	Green	10.88	14.78	2.34	0.35	6.21714286
RV0B-447a	1	Green	14.10	9.32	1.81	0.34	8.29411765
RV0B-447b	2	Green	19.92	10.06	3.36	0.72	5.53333333
RV0B-182a	1	Green	15.83	11.20	2.41	0.54	5.86296296
RV0B-182b	1	Green	10.31	7.97	1.79	0.18	11.4555556
RV0B-183d	1	Green	3.52	10.85	2.07	0.10	7.04
RV0B-436a	1	Green	10.03	6.54	1.37	0.14	14.3285714
RV0B-185a	1	Green	17.81	12.74	1.92	0.59	6.03728814
RV0B-185ac	1	Green	13.72	10.01	2.28	0.40	6.86
RV0B-185d	1	Green	10.05	8.92	2.22	0.19	10.5789474
RV0B-188d	1	Green	7.92	9.16	2.41	0.21	7.54285714
RV0B-189a	1	Green	10.95	9.16	2.03	0.23	9.52173913
RV0B-081b	1	Green	12.59	10.33	2.70	0.45	5.59555556
RV0B-085a	1	Green	13.62	8.63	1.86	0.26	10.4769231
RV0B-085c	1	Green	7.16	9.34	1.85	0.15	9.54666667
RV0B-124b	1	Green	15.26	7.73	1.63	0.25	12.208
RV0B-088a	1	Green	31.85	8.83	2.17	0.78	8.16666667
RV0B-088b	1	Green	25.11	7.85	2.20	0.52	9.65769231
RV0B-129a	1	Green	8.51	6.72	2.07	0.16	10.6375
RV0B-131a	1	Green	10.58	9.04	2.11	0.24	8.81666667
RV0B-383b	1	Green	13.46	8.41	1.57	0.23	11.7043478
RV0B-383c	1	Green	8.21	7.68	2.34	0.19	8.64210526
RV0B-384a	1	Green	9.08	7.52	1.91	0.17	10.6823529
RV0B-388a	1	Green	7.45	10.08	2.79	0.28	5.32142857
RV0B-426a	1	Green	16.99	9.50	2.47	0.40	8.495
RV0B-426b	1	Green	11.78	9.36	2.50	0.25	9.424
RV0B-408b	1	Green	21.10	8.95	2.07	0.51	8.2745098
RV0B-190a	1	Green	22.33	6.68	1.89	0.37	12.0702703
RV0B-190b	1	Green	8.83	7.13	1.58	0.12	14.7166667
RV0B-191b	1	Green	23.10	11.76	3.46	1.13	4.08849558
RV0B-191e	1	Green	18.79	8.16	2.14	0.38	9.88947368
RV0B-191f	1	Green	17.27	8.85	2.28	0.41	8.42439024

Table A.10 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV0B-191j	1	Green	8.69	7.71	1.76	0.17	10.2235294
RV0B-192b	1	Green	14.13	13.11	2.67	0.62	4.55806452
RV0B-193a	1	Green	13.54	9.08	2.10	0.28	9.67142857
RV0B-196c	1	Green	14.87	10.58	2.39	0.47	6.32765957
RV0B-197c	1	Green	15.71	9.02	1.78	0.33	9.52121212
RV0B-197d	1	Green	16.49	11.60	3.27	0.75	4.39733333
RV0B-197f	1	Green	6.39	8.65	2.05	0.11	11.6181818
RV0B-198d	1	Green	17.30	8.68	1.76	0.30	11.5333333
RV0B-199d	1	Green	9.01	6.07	1.63	0.12	15.0166667
RV0B-204e	1	Green	12.19	12.41	2.10	0.31	7.86451613
RV0B-205a	1	Green	21.53	12.91	2.47	0.92	4.68043478
RV0B-205d	1	Green	9.65	7.96	1.73	0.18	10.7222222
RV0B-210c	1	Black	16.33	8.60	2.29	0.33	9.8969697
RV0B-244b	1	Black	16.91	8.30	2.71	0.49	6.90204082
RV0B-096a	1	Clear	43.69	11.91	3.57	1.79	4.88156425
RV0B-398a	1	Clear	20.06	9.38	1.88	0.45	8.91555556
RV0B-442a	1	Clear	26.07	10.04	2.35	0.69	7.55652174
RV0B-213a	1	Clear	12.70	7.38	1.59	0.19	13.3684211
RV0B-223g	1	Clear	11.85	11.38	2.18	0.33	7.18181818
RV0B-248b	1	Clear	22.92	9.78	2.82	0.71	6.45633803
RV0B-255a	1	Clear	27.05	10.48	2.04	0.85	6.36470588
RV0B-429b	1	Clear	13.79	7.00	2.00	0.29	9.51034483
RV0B-134b	1	Clear	16.40	7.83	2.33	0.32	10.25
RV0B-252a	1	Clear	22.68	7.78	2.34	0.57	7.95789474
RV0B-252c	1	Clear	13.69	7.31	2.29	0.24	11.4083333
RV0B-266a	1	Clear	34.22	11.83	3.28	1.47	4.65578231
RV0B-140a	1	Clear	23.03	10.32	2.35	0.42	10.9666667
RV0B-002d	1	Clear	11.44	7.59	2.43	0.22	10.4
RV0B-004a	1	Clear	21.63	6.82	2.81	0.45	9.61333333
RV0B-295a	1	Clear	25.27	11.16	2.64	1.10	4.59454545
RV0B-295b	1	Clear	16.49	11.92	2.51	0.51	6.46666667
RV0B-112b	1	Clear	17.34	8.03	2.13	0.41	8.45853659
RV0B-149a	1	Clear	16.47	7.69	1.86	0.28	11.7642857
RV0B-022a	1	Clear	31.41	7.77	2.90	0.84	7.47857143
RV0B-322a	1	Clear	27.42	11.56	2.29	0.75	7.312
RV0B-151a	1	Clear	31.80	12.90	2.88	1.39	4.57553957
RV0B-030c	1	Clear	10.62	9.03	2.06	0.23	9.23478261
RV0B-035b	1	Clear	12.78	7.30	3.09	0.29	8.8137931
RV0B-041b	1	Clear	21.62	6.79	1.79	0.29	14.9103448
RV0B-041d	1	Clear	16.49	10.40	2.41	0.42	7.85238095

Table A.10 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV0B-041c	1	Clear	18.08	9.14	2.63	0.55	6.57454545
RV0B-328a	1	Clear	13.38	8.30	2.35	0.26	10.2923077
RV0B-161a	1	Clear	17.33	8.44	2.38	0.39	8.88717949
RV0B-054b	1	Clear	22.26	9.43	2.54	0.71	6.27042254
RV0B-055a	1	Clear	17.68	10.29	3.13	0.63	5.61269841
RV0B-056a	1	Clear	24.23	11.59	2.79	1.09	4.44587156
RV0B-056b	1	Clear	18.49	7.72	1.97	0.32	11.55625
RV0B-057e	1	Clear	8.39	9.02	2.44	0.23	7.29565217
RV0B-060a	1	Clear	23.19	8.24	2.46	0.44	10.5409091
RV0B-446b	1	Clear	48.02	16.57	2.88	3.11	3.08810289
RV0B-362a	1	Clear	46.25	9.76	2.67	1.19	7.77310924
RV0B-363a	1	Clear	21.07	7.92	2.03	0.39	10.8051282
RV0B-178b	1	Clear	18.57	7.94	1.90	0.39	9.52307692
RV0B-180c	1	Clear	16.83	8.67	2.42	0.40	8.415
RV0B-067b	1	Clear	17.96	7.39	2.39	0.42	8.55238095
RV0B-069d	1	Clear	13.44	7.10	2.38	0.27	9.95555556
RV0B-070d	1	Clear	14.31	11.34	2.69	0.54	5.3
RV0B-071c	1	Clear	9.49	7.55	1.87	0.17	11.1647059
RV0B-074a	1	Clear	35.35	15.32	3.16	1.92	3.68229167
RV0B-074b	1	Clear	25.28	9.31	2.16	0.66	7.66060606
RV0B-371b	1	Clear	12.87	6.39	2.93	0.26	9.9
RV0B-377a	1	Clear	37.12	9.96	2.24	1.06	7.00377358
RV0B-181a	1	Clear	13.97	8.73	1.68	0.30	9.31333333
RV0B-082a	1	Clear	15.11	7.70	2.15	0.30	10.0733333
RV0B-086a	1	Clear	14.32	7.35	2.17	0.27	10.6074074
RV0B-126a	1	Clear	12.33	5.64	2.77	0.27	9.13333333
RV0B-089a	1	Clear	24.81	11.16	4.07	0.99	5.01212121
RV0B-392a	1	Clear	14.81	9.26	2.02	0.33	8.97575758
RV0B-194a	1	Clear	32.85	9.02	3.25	1.08	6.08333333
RV0B-097a	1	Gray	22.05	9.80	3.50	0.79	5.58227848
RV0B-403a	1	Gray	19.69	16.75	4.87	1.59	2.47672956
RV0B-412a	1	Gray	11.88	9.51	2.80	0.40	5.94
RV0B-417a	1	Gray	39.57	10.30	2.33	1.31	6.04122137
RV0B-423a	1	Gray	22.72	8.83	2.05	0.59	7.70169492
RV0B-215a	1	Gray	22.92	9.96	2.53	0.63	7.27619048
RV0B-214a	1	Gray	20.78	12.55	2.24	0.74	5.61621622
RV0B-218a	1	Gray	28.56	9.05	2.48	0.74	7.71891892
RV0B-229d	1	Gray	11.90	7.28	2.03	0.22	10.8181818
RV0B-232a	1	Gray	23.72	9.66	2.25	0.61	7.77704918
RV0B-232b	1	Gray	21.96	13.15	2.28	0.82	5.35609756

Table A.10 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV0B-238d	1	Gray	7.04	8.39	1.89	0.13	10.8307692
RV0B-239a	1	Gray	30.82	9.47	2.53	0.82	7.51707317
RV0B-242a	1	Gray	26.12	9.47	2.00	0.59	8.85423729
RV0B-115a	1	Gray	42.24	9.89	2.92	1.46	5.78630137
RV0B-246a	1	Gray	22.08	12.38	3.98	1.12	3.94285714
RV0B-249a	1	Gray	33.64	6.79	2.68	0.70	9.61142857
RV0B-256a	1	Gray	6.43	12.72	4.39	0.34	3.78235294
RV0B-263a	1	Gray	35.01	15.71	3.94	2.37	2.95443038
RV0B-433b	1	Gray	19.52	7.16	2.19	0.40	9.76
RV0B-002b	1	Gray	14.77	14.28	2.90	0.73	4.04657534
RV0B-280a	1	Gray	26.63	6.74	2.25	0.46	11.5782609
RV0B-141a	1	Gray	17.85	9.19	2.01	0.38	9.39473684
RV0B-007a	1	Gray	30.26	15.33	3.19	1.91	3.16858639
RV0B-080a	1	Gray	16.61	11.49	1.79	0.35	9.49142857
RV0B-284a	1	Gray	5.91	9.74	3.55	0.20	5.91
RV0B-025b	1	Gray	23.06	10.18	2.64	0.68	6.78235294
RV0B-027b	1	Gray	9.53	10.42	2.17	0.22	8.66363636
RV0B-299a	1	Gray	5.29	7.81	2.68	0.11	9.61818182
RV0B-445a	1	Gray	36.59	13.90	3.11	1.87	3.91336898
RV0B-445c	1	Gray	17.26	10.66	2.63	0.59	5.85084746
RV0B-344a	1	Gray	28.66	16.09	4.92	2.61	2.19616858
RV0B-345a	1	Gray	16.48	9.76	2.54	0.43	7.66511628
RV0B-053a	1	Gray	45.16	14.83	4.24	2.95	3.06169492
RV0B-056g	1	Gray	13.71	10.22	3.35	0.52	5.27307692
RV0B-056ad	1	Gray	16.23	9.08	2.26	0.42	7.72857143
RV0B-063b	1	Gray	14.02	10.41	2.96	0.49	5.72244898
RV0B-349b	1	Gray	19.85	10.56	3.19	0.73	5.43835616
RV0B-366a	1	Gray	40.57	16.64	3.22	2.80	2.89785714
RV0B-368a	1	Gray	18.58	13.92	3.09	0.91	4.08351648
RV0B-171b	1	Gray	25.94	10.33	2.00	0.63	8.23492063
RV0B-171d	1	Gray	7.33	12.64	3.78	0.40	3.665
RV0B-177a	1	Gray	18.17	7.51	2.44	0.36	10.0944444
RV0B-179a	1	Gray	31.02	8.67	2.19	0.70	8.86285714
RV0B-180e	1	Gray	15.44	8.37	2.07	0.34	9.08235294
RV0B-072a	1	Gray	9.94	9.23	2.64	0.25	7.952
RV0B-074c	1	Gray	18.24	5.28	1.74	0.23	15.8608696
RV0B-075a	1	Gray	29.26	11.03	2.60	1.03	5.6815534
RV0B-183b	1	Gray	19.68	11.30	2.04	0.59	6.67118644
RV0B-184b	1	Gray	16.37	9.65	2.25	0.41	7.98536585
RV0B-187a	1	Gray	19.66	9.06	2.81	0.55	7.14909091

Table A.10 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV0B-089b	1	Gray	18.92	8.63	2.18	0.47	8.05106383
RV0B-386a	1	Gray	60.37	17.89	4.44	5.33	2.26529081
RV0B-386c	1	Gray	11.82	11.22	3.01	0.46	5.13913043
RV0B-390a	1	Gray	34.13	19.08	4.58	2.93	2.32969283
RV0B-191k	1	Gray	6.79	9.40	2.95	0.20	6.79
RV0B-191h	1	Gray	14.17	9.75	2.69	0.38	7.45789474
RV0B-200a	1	Gray	26.64	7.20	2.54	0.56	9.51428571
RV0B-204d	1	Gray	12.37	8.64	4.84	0.35	7.06857143
RV0B-205b	1	Gray	15.66	9.63	2.52	0.49	6.39183673
RV0B-096b	1	Green	25.74	10.71	2.57	1.00	5.148
RV0B-397a	1	Green	10.73	9.15	2.31	0.29	7.4
RV0B-209b	1	Green	11.36	8.81	2.15	0.26	8.73846154
RV0B-243a	1	Green	25.46	7.73	1.76	0.42	12.1238095
RV0B-245a	1	Green	14.55	9.07	2.16	0.35	8.31428571
RV0B-429e	1	Green	11.39	8.51	1.64	0.22	10.3545455
RV0B-135b	1	Green	13.23	9.25	2.07	0.33	8.01818182
RV0B-251a	1	Green	25.71	9.13	2.70	0.73	7.04383562
RV0B-269c	1	Green	11.37	10.25	1.98	0.32	7.10625
RV0B-270a	1	Green	15.26	9.89	2.25	0.41	7.44390244
RV0B-271a	1	Green	43.55	12.24	2.31	1.15	7.57391304
RV0B-106a	1	Green	27.74	7.56	1.90	0.52	10.6692308
RV0B-002a	1	Green	17.78	14.38	2.85	0.91	3.90769231
RV0B-116c	1	Green	9.44	8.23	2.10	0.20	9.44
RV0B-277a	1	Green	17.62	8.33	2.28	0.39	9.03589744
RV0B-112e	1	Green	11.11	8.85	2.76	0.30	7.40666667
RV0B-021b	1	Green	10.27	8.22	1.60	0.18	11.41111111
RV0B-307a	1	Green	22.50	9.05	2.59	0.60	7.5
RV0B-311d	1	Green	10.16	7.92	2.13	0.21	9.67619048
RV0B-041a	1	Green	21.81	10.52	1.83	0.49	8.90204082
RV0B-166b	1	Green	20.55	9.08	2.22	0.50	8.22
RV0B-052c	1	Green	13.88	9.64	1.98	0.33	8.41212121
RV0B-054a	1	Green	24.12	11.65	2.35	0.84	5.74285714
RV0B-122a	1	Green	11.63	8.06	1.90	0.23	10.1130435
RV0B-179c	1	Green	23.43	11.42	2.42	0.74	6.33243243
RV0B-070c	1	Green	16.56	10.33	1.93	0.38	8.71578947
RV0B-091a	1	Green	25.10	8.48	2.18	0.53	9.47169811
RV0B-444a	1	Gray	39.79	11.07	5.22	2.14	
			Avg	Avg	Avg	Sum	Avg
TOTALS:	1203		17.15	9.49	2.40	614.40	8.76271122
						s.d. =	4.56131437

Table A.11 Río Viejo 2009 (RV09) artifacts

FS#	Op.	Unit	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV09-2918b	A	0C	1	Biface		Bifacially flaked tool, possibly a projectile point or knife; only medial section - proximal and distal ends fractured off	EPC
RV09-2139a	A	0B	12	Chunk		Appears to be fractured off a larger piece; small flake scars on dorsal and ventral surfaces	LTF
RV09-2266a	A	2B	20	Chunk		No distinctive platform	LTF
RV09-2410b	G		7	Flake		Possible crested blade; small platform; hinge fracture on dorsal surface	TF
RV09-2689a	A	2B	25	Flake		Percussion flake; platform present; hinge fracture on dorsal surface	ETF
RV09-2831b	G		1	Flake		Small percussion flake; platform present	LC
RV09-3046e	F	3A ext	1	Flake		Platform partially crushed	LC
RV09-2447a	A	1B	7	Flake		Small platform; very thin	LC
RV09-2447b	A	1B	7	Flake		Small platform	LC
RV09-3377d	I		1	Flake		Platform intact	LC
RV09-2802a	F	3B	3	Flake		Large percussion flake; platform crushed; possible rejuvenation or preparation flake; hinge fracture on dorsal surface	LC
RV09-2560c	C		34	Flake		Small platform	LC
RV09-3377c	I		1	Flake		Percussion flake; large platform; several flake scars on dorsal surface	LC
RV09-2216a	A	0B	20	Flake		Possible crested blade; crushed platform	LTF
RV09-2271a	A	0B	25	Flake		Percussion flake; small platform	ETF
RV09-2684a	A	1B	12	Flake		Small percussion flake; platform present	LTF
RV09-2110a	A	2B	7	Flake		Small percussion flake; platform present	LC
RV09-2933c	A	2A	1	Flake		Small thinning flake; small platform	EPC
RV09-3114c	F	0A	2	Flake		Pressure flake; platform intact	LC
RV09-2401a	G		4	Flake		Probable thinning or preparation flake	LC
RV09-2831a	G		1	Flake		Percussion flake; platform present; thinning or preparation flake	LC

Table A.11 cont.

FS#	Op.	Unit	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV09-2929a	A	0C	4	Flake		Percussion flake; small platform; probably thinning or preparation flake	LC
RV09-2944b	F	1B	2	Flake		Large percussion flake; platform intact	LC
RV09-2045d	A	0B	2	Flake fragment		Possible prismatic blade fragment; fractured along left lateral margin; partial snap fractures on proximal and distal ends of dorsal surface	EPC
RV09-2223a	A	0B	21	Flake fragment		No platform or noticeable bulb	LTF
RV09-2882a	A	MU1	8	Flake fragment		No platform or noticeable bulb	LC
RV09-3572a	D	2A	7	Flake fragment		Percussion flake; no platform; partial bulb	LTF-LC
RV09-2447c	A	1B	7	Flake fragment		No platform; percussion ripples on ventral surface, but no bulb	LC
RV09-2567a	A	2B	6	Flake fragment		No platform or noticeable bulb	LC
RV09-2662d	F	2A	4	Flake fragment		Percussion flake; no platform; probable thinning flake	LC
RV09-2929b	A	0C	4	Flake fragment		No platform or noticeable bulb	LC
RV09-3386c	I		4	Flake fragment		No platform; partial bulb	LC
RV09-2016a	B		5	Flake fragment		Small flake; no platform; partial bulb	LC
RV09-2640c	E		17	Flake fragment		No platform or noticeable bulb	LC*
RV09-3455b	H		24	Flake fragment		Rejuvenation flake; several core arrises on dorsal surface (see Clark and Bryant 1997)	LTF
RV09-3455c	H		24	Flake fragment		No platform; partial bulb	LTF

Table A.11 cont.

FS#	Op.	Unit	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV09-2622d	C		39	Flake fragment		Possible prismatic blade fragment; flat on both surfaces and one possible arris on dorsal surface	LC
RV09-2045c	A	0B	2	Flake fragment		No platform; flake scars on dorsal surface	EPC
RV09-2237b	A	2B	18	Flake fragment		No platform; partial bulb	LTF
RV09-2380d	A	1B	2	Flake fragment		No platform; partial bulb	EPC
RV09-2494d	D	2C	4	Flake fragment		Percussion flake; no platform; large, flat facet on dorsal surface	LC
RV09-2521b	E		15	Flake fragment		No platform; possibly flake from snapping a blade into segments; pulled for XRF	LC*
RV09-3377e	I		1	Flake fragment		No platform; partial bulb	LC
RV09-2216c	A	0B	20	Flake fragment		No platform	LTF
RV09-2608f	C		37	Flake fragment		Probable prismatic blade fragment - lateral margin	LC
RV09-2011a	A	2D	2	Flake fragment		Possible prismatic blade fragment, near distal end - 3 arrises on dorsal surface; partial snap tab on proximal end of ventral surface	EPC
RV09-2216b	A	0B	20	Flake fragment		No platform or noticeable bulb	LTF
RV09-3411b	I		13	Flake fragment		No platform; partial bulb	LC
RV09-2380e	A	1B	2	Flake fragment		No platform; partial bulb	EPC
RV09-3190a	E		58	Flake fragment		Percussion flake; no platform; partial bulb	LTF
RV09-3243a	A	0D	2	Flake fragment		Percussion flake; no platform; partial bulb	EPC

Table A.11 cont.

FS#	Op.	Unit	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV09-2918a	A	0C	1	Prismatic blade	Distal	Final-stage blade; very distal tip intact; flat facet on end of blade; slight outré passé curve	EPC
RV09-2560a	C		34	Prismatic blade	Distal	Final-stage blade; distal tip intact; comes to a point, but one flat facet on right side of tip; small snap fracture on proximal end of dorsal surface	LC
RV09-2616c	C		38	Prismatic blade	Distal	Final-stage blade; very distal tip flaked off	LC
RV09-2629b	C		40	Prismatic blade	Distal	Final-stage blade; distal tip intact; single, flat facet on distal end	LC
RV09-2077a	A	2B	4	Prismatic blade	Distal	Final-stage blade; partial snap tab on proximal end of ventral surface; distal end partially fractured; slight outré passé curve	LC
RV09-2298a	C		22	Prismatic blade	Distal	Final-stage blade; very distal tip snapped off - fracture on distal end of dorsal surface; slight outré passé curve	LC
RV09-2743c	E		24	Prismatic blade	Distal	Final-stage blade; distal tip partially flaked off; flat end; slight outré passé curve	LC
RV09-2892b	A	3B	1	Prismatic blade	Distal	Final-stage blade; very distal tip intact; single, flat facet on end of blade; outré passé curve	EPC
RV09-3406d	I		12	Prismatic blade	Distal	Final-stage blade; very distal tip intact; single, flat facet on end of blade; slight outré passé curve	LC
RV09-2498a	E		13	Prismatic blade	Distal	Final-stage blade; single facet at distal end; possible hinge fracture - rounded distal tip; partial snap fracture on proximal end of dorsal surface; slight outré passé curve; pulled for XRF	LC*
RV09-2634f	C		41	Prismatic blade	Distal	Final-stage blade; partial snap tab on proximal end of dorsal surface; very distal tip intact - angled single facet	LC
RV09-3046c	F	3A ext	1	Prismatic blade	Distal	Final-stage blade; distal tip intact - single, flat facet	LC

Table A.11 cont.

FS#	Op.	Unit	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV09-2051	A	2B	1	Prismatic blade	Distal	Final-stage blade; very distal tip fractured off; snap tab on proximal end of dorsal surface; outré passé curve	EPC
RV09-2357a	E		1	Prismatic blade	Distal	Final-stage blade; distal end intact; flat, single facet at tip; flake scar extending from distal end about 1/4 of the way up the blade - indicative of bipolar core?	LC
RV09-3344b	H		3	Prismatic blade	Distal	Final-stage blade; snap fracture on distal end of dorsal surface	LC
RV09-2258a	D	3D	20	Prismatic blade	Distal	Final-stage blade; very distal end; tip comes to point; snap tab on proximal end of dorsal surface	LTF
RV09-2393a	C		27	Prismatic blade	Distal	Final-stage blade; small flakes removed from distal tip; slight outré passé curve	LC
RV09-2541a	C		31	Prismatic blade	Distal	Final-stage blade; distal end intact; flat, single facet at tip; outré passé curve	LC
RV09-2616a	C		38	Prismatic blade	Distal	Final-stage blade; very distal tip flaked off; slight outré passé curve; small snap fracture on proximal end of dorsal surface	LC
RV09-2888a	A	Mono	1	Prismatic blade	Distal	Final-stage blade; very distal tip intact; single, flat facet on end of blade; outré passé curve; under monolith	LC
RV09-3406b	I		12	Prismatic blade	Distal	Final-stage blade; very distal tip fractured off	LC
RV09-2030c	A	2C	1	Prismatic blade	Medial	Final-stage blade	EPC
RV09-2045b	A	0B	2	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of ventral surface	EPC
RV09-3352a	H		6	Prismatic blade	Medial	Final-stage blade; snap fractures on proximal and distal ends of dorsal surface	LC
RV09-2045a	A	0B	2	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EPC

Table A.11 cont.

FS#	Op.	Unit	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV09-2058c	A	0B	3	Prismatic blade	Medial	Final-stage blade	LC
RV09-2103a	D	1A	5	Prismatic blade	Medial	Final-stage blade; proximal end broken off - probably near platform - partial bulb on ventral surface; partial snap fracture on distal end of dorsal surface	LTF-LC
RV09-2103b	D	1A	5	Prismatic blade	Medial	Final-stage blade	LTF-LC
RV09-2153a	A	0B	14	Prismatic blade	Medial	Final-stage blade (?); possible rejuvenation flake - small hinge fracture on middle portion of artifact, and appear to be regular, core-like, arrises below the fracture	LTF
RV09-2172a	A	2B	13	Prismatic blade	Medial	Final-stage blade; fractured on proximal end	LTF
RV09-2199a	A	2B	15	Prismatic blade	Medial	Final-stage blade; partial snap fracture on proximal end of ventral surface	LTF
RV09-2237a	A	2B	18	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of ventral surface	LTF
RV09-2324a	E		1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	LC
RV09-2339a	E		10	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface; snap fracture on distal end of dorsal surface	LC
RV09-2339b	E		10	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface; snap fracture on distal end of dorsal surface	LC
RV09-2352e	A	1B	1	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface; small snap fracture on distal end of ventral surface	EPC
RV09-2357b	E		1	Prismatic blade	Medial	Final-stage blade	LC
RV09-2370a	D	2Z	1	Prismatic blade	Medial	Final-stage blade; snap tabs on proximal and distal ends of dorsal surface	LC

Table A.11 cont.

FS#	Op.	Unit	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV09-2390a	E		12	Prismatic blade	Medial	Final-stage blade	LC
RV09-2390b	E		12	Prismatic blade	Medial	Final-stage blade; small snap fracture on proximal end of ventral surface; partial snap tab on distal end of dorsal surface	LC
RV09-2390c	E		12	Prismatic blade	Medial	Final-stage blade	LC
RV09-2390f	E		12	Prismatic blade	Medial	Final-stage blade	LC
RV09-2390j	E		12	Prismatic blade	Medial	Final-stage blade	LC
RV09-2395c	G		1	Prismatic blade	Medial	Final-stage blade; fractured on proximal and distal ends	LC
RV09-2404a	G		6	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	TF
RV09-2410a	G		7	Prismatic blade	Medial	Final-stage blade	TF
RV09-2415a	D	MU1	1	Prismatic blade	Medial	Final-stage blade; snap fractures on proximal and distal ends of dorsal surface	LC
RV09-2498i	E		13	Prismatic blade	Medial	Final-stage blade	LC*
RV09-2498j	E		13	Prismatic blade	Medial	Final-stage blade	LC*
RV09-2498k	E		13	Prismatic blade	Medial	Final-stage blade	LC*
RV09-2509c	E		14	Prismatic blade	Medial	Final-stage blade	LC*
RV09-2509d	E		14	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	LC*
RV09-2509e	E		14	Prismatic blade	Medial	Final-stage blade	LC*
RV09-2516a	F	3A	6	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	LC

Table A.11 cont.

FS#	Op.	Unit	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV09-2516b	F	3A	6	Prismatic blade	Medial	Final-stage blade; partial snap fracture on proximal end of dorsal surface	LC
RV09-2526b	E		16	Prismatic blade	Medial	Final-stage blade	LC*
RV09-2595a	F	3A	2	Prismatic blade	Medial	Final-stage blade	LC
RV09-2608d	C		37	Prismatic blade	Medial	Final-stage blade; small snap tab on distal end of ventral surface	LC
RV09-2629d	C		40	Prismatic blade	Medial	Final-stage blade; partial snap fracture on distal end of ventral surface	LC
RV09-2634c	C		41	Prismatic blade	Medial	Final-stage blade; partial snap fracture on distal end of ventral surface	LC
RV09-2640b	E		17	Prismatic blade	Medial	Final-stage blade; partial snap tab on distal end of dorsal surface	LC*
RV09-2662a	F	2A	4	Prismatic blade	Medial	Final-stage blade	LC
RV09-2662b	F	2A	4	Prismatic blade	Medial	Final-stage blade; fractured on proximal and distal ends	LC
RV09-2662c	F	2A	4	Prismatic blade	Medial	Final-stage blade; small snap tab on proximal end of dorsal surface	LC
RV09-2713b	E		20	Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of ventral surface	LC*
RV09-2736a	E		23	Prismatic blade	Medial	Final-stage blade	LC
RV09-2743d	E		24	Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of ventral surface	LC
RV09-2743f	E		24	Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of dorsal surface	LC
RV09-2789c	F	3B	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	LC
RV09-2789d	F	3B	1	Prismatic blade	Medial	Final-stage blade; fractured along left lateral margin	LC

Table A.11 cont.

FS#	Op.	Unit	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV09-2789e	F	3B	1	Prismatic blade	Medial	Final-stage blade; partial snap fracture on distal end of dorsal surface	LC
RV09-2797a	F	3D	1	Prismatic blade	Medial	Final-stage blade; small snap fracture on proximal end of ventral surface	LC
RV09-2798a	F	3B	2	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	LC
RV09-2817a	F	1B	1	Prismatic blade	Medial	Final-stage blade; snap fractures on proximal end of dorsal surface and distal end of ventral surface	LC
RV09-2820a	F	3B	5	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	LC
RV09-2857a	E		32	Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of ventral surface	LC
RV09-2921a	A	0C	2	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of ventral surface	EPC
RV09-2921b	A	0C	2	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EPC
RV09-2933b	A	2A	1	Prismatic blade	Medial	Final-stage blade	EPC
RV09-2940a	F	3C	2	Prismatic blade	Medial	Final-stage blade	LC
RV09-2944a	F	1B	2	Prismatic blade	Medial	Final-stage blade	LC
RV09-2947a	F	3C	4	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	LC
RV09-2958a	F	2C	3	Prismatic blade	Medial	Final-stage blade	LC
RV09-2966a	F	2C	5	Prismatic blade	Medial	Final-stage blade; part of right lateral margin fractured off length-wise	LC
RV09-3046a	F	3A ext	1	Prismatic blade	Medial	Final-stage blade	LC
RV09-3046b	F	3A ext	1	Prismatic blade	Medial	Final-stage blade; small snap tab on proximal end of dorsal surface	LC

Table A.11 cont.

FS#	Op.	Unit	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV09-3046d	F	3A ext	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	LC
RV09-3108a	F	0A	2	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	LC
RV09-3108b	F	0A	2	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	LC
RV09-3112a	F	2D	2	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	LC
RV09-3112c	F	2D	2	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	LC
RV09-3114a	F	0A	2	Prismatic blade	Medial	Final-stage blade	LC
RV09-3246a	A	3A	1	Prismatic blade	Medial	Final-stage blade; partial snap fracture on proximal end of ventral surface	EPC
RV09-3253a	A	3A	2	Prismatic blade	Medial	Final-stage blade	EPC
RV09-3342a	H		2	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	LC
RV09-3386b	I		4	Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of dorsal surface	LC
RV09-3392a	I		7	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	LC
RV09-3397c	I		9	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of distal surface	LC
RV09-3406c	I		12	Prismatic blade	Medial	Final-stage blade	LC
RV09-3411a	I		13	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface; partial snap fracture on distal end of dorsal surface	LC
RV09-3455a	H		24	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of ventral surface	LTF

Table A.11 cont.

FS#	Op.	Unit	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV09-3528a	I		15	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface; partial snap tab on distal end of dorsal surface	LC
RV09-3530b	I		16	Prismatic blade	Medial	Final-stage blade	LC
RV09-2849a	E		30	Prismatic blade	Medial	Final-stage blade; partial snap tab on distal end of dorsal surface	LC
RV09-3340a	H		1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	LC
RV09-2005a	A	0A	2	Prismatic blade	Medial	Final-stage blade; probably just below platform on proximal end - partial bulb on ventral surface	EPC
RV09-2124a	A	1A	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface; snap fracture on distal end of dorsal surface	EPC
RV09-2190a	C		17	Prismatic blade	Medial	Final-stage blade; ventral surface and part of dorsal surface flaked off	LC
RV09-2278a	C		21	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	LC
RV09-2352a	A	1B	1	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	EPC
RV09-2352b	A	1B	1	Prismatic blade	Medial	Final-stage blade; small snap fractures on proximal and distal ends of dorsal surface	EPC
RV09-2352d	A	1B	1	Prismatic blade	Medial	Final-stage blade	EPC
RV09-2509f	E		14	Prismatic blade	Medial	Final-stage blade; snap fractures on proximal and distal ends of dorsal surface; pulled for XRF	LC*
RV09-2541b	C		31	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	LC
RV09-2553a	C		32	Prismatic blade	Medial	Final-stage blade; partial snap fracture on proximal end of ventral surface	LC

Table A.11 cont.

FS#	Op.	Unit	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV09-2560b	C		34	Prismatic blade	Medial	Final-stage blade; partial snap fracture on proximal end of dorsal surface	LC
RV09-2563a	C		36	Prismatic blade	Medial	Final-stage blade; partial snap fracture on proximal end of ventral surface	LC
RV09-2563b	C		36	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	LC
RV09-2563c	C		36	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of ventral surface	LC
RV09-2608b	C		37	Prismatic blade	Medial	Final-stage blade	LC
RV09-2629a	C		40	Prismatic blade	Medial	Final-stage blade	LC
RV09-2750b	C		42	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface; snap tab on distal end of dorsal surface	LC
RV09-2797b	F	3D	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface; partial snap tab on distal end of dorsal surface	LC
RV09-2083a	D	3D	2	Prismatic blade	Medial	Final-stage blade	LC
RV09-2268a	E		3	Prismatic blade	Medial	Final-stage blade; flake scars on dorsal and ventral surfaces	LC
RV09-2364a	C		25	Prismatic blade	Medial	Final-stage blade	LC
RV09-2380b	A	1B	2	Prismatic blade	Medial	Final-stage blade; small snap tab on distal end of dorsal surface	EPC
RV09-2390g	E		12	Prismatic blade	Medial	Final-stage blade	LC
RV09-2390h	E		12	Prismatic blade	Medial	Final-stage blade	LC
RV09-2390k	E		12	Prismatic blade	Medial	Final-stage blade; fractured along right lateral margin	LC

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Table A.11 cont.

FS#	Op.	Unit	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV09-2478a	D	2A	1	Prismatic blade	Medial	Final-stage blade; left lateral margin fractured off	LC
RV09-2494a	D	2C	4	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	LC
RV09-2498c	E		13	Prismatic blade	Medial	Final-stage blade; partial snap fractures on proximal end of ventral surface and distal end of dorsal surface; pulled for XRF	LC*
RV09-2498e	E		13	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface; pulled for XRF	LC*
RV09-2509g	E		14	Prismatic blade	Medial	Final-stage blade; pulled for XRF	LC*
RV09-2509h	E		14	Prismatic blade	Medial	Final-stage blade; pulled for XRF	LC*
RV09-2509i	E		14	Prismatic blade	Medial	Final-stage blade; pulled for XRF	LC*
RV09-2521a	E		15	Prismatic blade	Medial	Final-stage blade; pulled for XRF	LC*
RV09-2604b	C		36	Prismatic blade	Medial	Final-stage blade; partial snap tabs on proximal and distal ends of dorsal surface	LC
RV09-2608a	C		37	Prismatic blade	Medial	Final-stage blade; small snap fracture on proximal end of dorsal surface	LC
RV09-2616b	C		38	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	LC
RV09-2622c	C		39	Prismatic blade	Medial	Final-stage blade	LC
RV09-2654b	E		18	Prismatic blade	Medial	Final-stage blade; partial snap fracture on proximal end of dorsal surface; pulled for XRF	LC*
RV09-2667a	E		19	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface; pulled for XRF	LC*
RV09-2721a	E		21	Prismatic blade	Medial	Final-stage blade; fractured on proximal and distal ends - no use-wear because of fracturing	LC

Table A.11 cont.

FS#	Op.	Unit	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV09-2743e	E		24	Prismatic blade	Medial	Final-stage blade; partial snap tab on distal end of dorsal surface	LC
RV09-2786a	E		25	Prismatic blade	Medial	Final-stage blade	LC
RV09-2892c	A	3B	1	Prismatic blade	Medial	Final-stage blade	EPC
RV09-3344a	H		3	Prismatic blade	Medial	Final-stage blade; distal tip fractured off; slight outré passé curve	LC
RV09-3377b	I		1	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	LC
RV09-3397b	I		9	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface; snap tab on distal end of dorsal surface	LC
RV09-3401a	I		10	Prismatic blade	Medial	Final-stage blade	LC
RV09-3414a	D	2Z	7	Prismatic blade	Medial	Final-stage blade	LTF-LC
RV09-3530a	I		16	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	LC
RV09-3530c	I		16	Prismatic blade	Medial	Final-stage blade; fractured on distal end	LC
RV09-3530d	I		16	Prismatic blade	Medial	Final-stage blade; fractured on proximal and distal ends	LC
RV09-3530f	I		16	Prismatic blade	Medial	Final-stage blade	LC
RV09-2380a	A	1B	2	Prismatic blade	Medial	Final-stage blade	EPC
RV09-2395a	G		1	Prismatic blade	Medial	Final-stage blade; small snap fracture on proximal end of ventral surface; partial snap tab on distal end of dorsal surface	LC
RV09-2487a	D	2C	2	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	LC

Table A.11 cont.

FS#	Op.	Unit	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV09-2526a	E		16	Prismatic blade	Medial	Final-stage blade; pulled for XRF	LC*
RV09-2537a	C		30	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface; snap fracture on distal end of dorsal surface	LC
RV09-2789b	F	3B	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of ventral surface	LC
RV09-2849b	E		30	Prismatic blade	Medial	Final-stage blade	LC
RV09-2951a	F	1B	3	Prismatic blade	Medial	Final-stage blade; snap tab on distal end of dorsal surface	LC
RV09-3112b	F	2D	2	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	LC
RV09-3386a	I		4	Prismatic blade	Medial	Final-stage blade	LC
RV09-3568a	D	2A	6	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of ventral surface	LTF-LC
RV09-2058a	A	0B	3	Prismatic blade	Medial	Final-stage blade	LC
RV09-2058b	A	0B	3	Prismatic blade	Medial	Final-stage blade	LC
RV09-2278b	C		21	Prismatic blade	Medial	Final-stage blade; fractured on proximal end	LC
RV09-2494b	D	2C	4	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	LC
RV09-2494c	D	2C	4	Prismatic blade	Medial	Final-stage blade; partial snap tab on distal end of dorsal surface	LC
RV09-2498b	E		13	Prismatic blade	Medial	Final-stage blade; partial snap tabs on proximal and distal ends of ventral surface; pulled for XRF	LC*
RV09-2498h	E		13	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface; pulled for XRF	LC*

Table A.11 cont.

FS#	Op.	Unit	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV09-2509j	E		14	Prismatic blade	Medial	Final-stage blade; pulled for XRF	LC*
RV09-2750a	C		42	Prismatic blade	Medial	Final-stage blade; snap fractures on proximal and distal ends of ventral surface	LC
RV09-3305a	A	MU2	1	Prismatic blade	Medial	Final-stage blade; partial snap fracture on proximal end; highly developed polish on right lateral margin	EPC
RV09-2390d	E		12	Prismatic blade	Medial	Final-stage blade; small snap tab on distal end of dorsal surface	LC
RV09-2395b	G		1	Prismatic blade	Medial	Final-stage blade	LC
RV09-2467a	D	1Z	7	Prismatic blade	Medial	Final-stage blade	LTF-LC
RV09-2498d	E		13	Prismatic blade	Medial	Final-stage blade; pulled for XRF	LC*
RV09-2526d	E		16	Prismatic blade	Medial	Final-stage blade; pulled for XRF	LC*
RV09-2622b	C		39	Prismatic blade	Medial	Final-stage blade	LC
RV09-2634b	C		41	Prismatic blade	Medial	Final-stage blade; highly developed polish on both surfaces of both lateral margins	LC
RV09-2713a	E		20	Prismatic blade	Medial	Final-stage blade; pulled for XRF	LC*
RV09-3342b	H		2	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	LC
RV09-3432a	D	2Z	11	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	LC
RV09-2030a	A	2C	1	Prismatic blade	Medial	Final-stage blade	EPC
RV09-2030b	A	2C	1	Prismatic blade	Medial	Final-stage blade	EPC

Table A.11 cont.

FS#	Op.	Unit	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV09-2062a	A	2B	2	Prismatic blade	Medial	Final-stage blade; flake scar on right half of dorsal surface; snap tab on distal end of dorsal surface	EPC
RV09-2188a	A	1A	4	Prismatic blade	Medial	Final-stage blade	LC
RV09-2390l	E		12	Prismatic blade	Medial	Final-stage blade	LC
RV09-2433a	A	3D	1	Prismatic blade	Medial	Final-stage blade	EPC
RV09-2482a	D	2A	2	Prismatic blade	Medial	Final-stage blade	LC
RV09-2498g	E		13	Prismatic blade	Medial	Final-stage blade; fractured on distal end; pulled for XRF	LC*
RV09-2509a	E		14	Prismatic blade	Medial	Final-stage blade; fractured on proximal end; snap tab on distal end of dorsal surface; pulled for XRF	LC*
RV09-2509b	E		14	Prismatic blade	Medial	Final-stage blade; pulled for XRF	LC*
RV09-2521c	E		15	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface; pulled for XRF	LC*
RV09-2553c	C		32	Prismatic blade	Medial	Final-stage blade; small snap tab on distal end of dorsal surface	LC
RV09-2622a	C		39	Prismatic blade	Medial	Final-stage blade	LC
RV09-2634e	C		41	Prismatic blade	Medial	Final-stage blade	LC
RV09-2654a	E		18	Prismatic blade	Medial	Final-stage blade; pulled for XRF	LC*
RV09-2654c	E		18	Prismatic blade	Medial	Final-stage blade; pulled for XRF	LC*
RV09-3114b	F	0A	2	Prismatic blade	Medial	Final-stage blade	LC

Table A.11 cont.

FS#	Op.	Unit	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV09-3377a	I		1	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	LC
RV09-3382a	I		2	Prismatic blade	Medial	Final-stage blade; snap tab on distal end of dorsal surface	LC
RV09-3406a	I		12	Prismatic blade	Medial	Final-stage blade	LC
RV09-3530e	I		16	Prismatic blade	Medial	Final-stage blade; partial snap tab on distal end of dorsal surface	LC
RV09-3533a	I		17	Prismatic blade	Medial	Final-stage blade; snap tab on distal end of dorsal surface	LC
RV09-3564a	D	2Z	14	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of ventral surface; snap fracture on distal end of ventral surface	LC
RV09-2608e	C		37	Prismatic blade	Medial	Final-stage blade	LC
RV09-2041a	A	0B	1	Prismatic blade	Proximal	Final-stage blade; small platform - slightly scored; partial snap tab on distal end of ventral surface	EPC
RV09-2390i	E		12	Prismatic blade	Proximal	Final-stage blade; platform slightly scored; dorsal edge crushed or ground	LC
RV09-2743b	E		24	Prismatic blade	Proximal	Final-stage blade; scored platform	LC
RV09-2789a	F	3B	1	Prismatic blade	Proximal	Final-stage blade; platform slightly scored	LC
RV09-2892a	A	3B	1	Prismatic blade	Proximal	Final-stage blade; platform slightly scored	EPC
RV09-2956a	F	2C	2	Prismatic blade	Proximal	Final-stage blade; platform scored; small snap fracture on distal end of dorsal surface	LC
RV09-3397a	I		9	Prismatic blade	Proximal	Final-stage blade; platform fractured off; partial snap tab on distal end of dorsal surface	LC
RV09-2390e	E		12	Prismatic blade	Proximal	Final-stage blade; platform finely ground	LC

Table A.11 cont.

FS#	Op.	Unit	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV09-2030d	A	2C	1	Prismatic blade	Proximal	Final-stage blade; finely ground platform	EPC
RV09-2306a	E		8	Prismatic blade	Proximal	Final-stage blade; small platform, not ground or scored; dorsal edge of platform ground or crushed; small snap fracture on distal end of ventral surface	LC
RV09-2380c	A	1B	2	Prismatic blade	Proximal	Final-stage blade; platform not ground or scored	EPC
RV09-2553b	C		32	Prismatic blade	Proximal	Final-stage blade; platform ground and partially fractured off	LC
RV09-2604a	C		36	Prismatic blade	Proximal	Final-stage blade; platform fractured off; right lateral edge heavily microflaked - may be retouching or simply extensive use	LC
RV09-2608c	C		37	Prismatic blade	Proximal	Final-stage blade; finely ground platform	LC
RV09-2933a	A	2A	1	Prismatic blade	Proximal	Final-stage blade; platform scored	EPC
RV09-2278c	C		21	Prismatic blade	Proximal	Final-stage blade; finely ground platform	LC
RV09-2352c	A	1B	1	Prismatic blade	Proximal	Final-stage blade; platform not ground or scored	EPC
RV09-2376a	C		26	Prismatic blade	Proximal	Final-stage blade; finely ground platform	LC
RV09-2629c	C		40	Prismatic blade	Proximal	Final-stage blade; ground platform; partial snap tab on distal end of dorsal surface	LC
RV09-2992a	G		27	Prismatic blade	Proximal	Final-stage blade; small platform - not ground or scored; overhang removal/lots of microflaking on proximal end of dorsal surface; left distal corner fractured off	TF?
RV09-3425a	D	2Z	10	Prismatic blade	Proximal	Final-stage blade; ground platform; snap fracture on distal end	LC

Table A.11 cont.

FS#	Op.	Unit	Lot/depth	Artifact Category	Blade Segment	Notes	Dating notes
RV09-2526c	E		16	Prismatic blade	Proximal	Final-stage blade; ground platform; snap fracture on distal end of dorsal surface; pulled for XRF	LC*
RV09-2634d	C		41	Prismatic blade	Proximal	Final-stage blade; small platform - not ground or scored; dorsal edge of platform crushed; overhang removal; snap tab on distal end of dorsal surface	LC
RV09-2159a	C		16	Prismatic blade	Proximal	Final-stage blade; ground platform	LC
RV09-2357c	E		1	Prismatic blade	Proximal	Final-stage blade; platform fractured off; flaking on dorsal and ventral surfaces	LC
RV09-2424a	D	2C	7	Prismatic blade	Proximal	Final-stage blade; finely ground platform	LC
RV09-2498f	E		13	Prismatic blade	Proximal	Final-stage blade; ground platform; partial snap tab on distal end of dorsal surface; pulled for XRF	LC*
RV09-2526e	E		16	Prismatic blade	Proximal	Final-stage blade; ground platform; snap tab on distal end of dorsal surface; pulled for XRF	LC*
RV09-2640a	E		17	Prismatic blade	Proximal	Final-stage blade; ground platform; snap fracture on distal end of dorsal surface; pulled for XRF	LC*
RV09-2343a	D	3D, Wall Clean	30	Prismatic blade	Proximal	Final-stage blade; platform not ground or scored; partial snap tab on distal end of ventral surface	LTF
RV09-2412a	G		8	Prismatic blade	Proximal	Final-stage blade; finely ground platform; snap fracture on distal end of dorsal surface	TF
RV09-2634a	C		41	Prismatic blade	Proximal	Final-stage blade; platform not ground or scored; fractured on distal end	LC
RV09-2743a	E		24	Prismatic blade	Proximal	Final-stage blade; ground platform; small snap fracture on distal end of ventral surface	LC
RV09-2961a	F	1B	4	Prismatic blade	Proximal	Final-stage blade; small platform - not ground or scored; snap fracture on distal end of ventral surface	LC

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Table A.12 RV09 artifact measurements

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV09-2918b	1	Green	24.69	23.38	6.63	4.57	
RV09-2139a	1	Gray	12.22	6.96	9.28	0.54	
RV09-2266a	1	Gray	10.51	6.78	4.40	0.19	
RV09-2410b	1	Clear	38.58	15.48	5.75	2.46	
RV09-2689a	1	Clear	16.65	18.65	3.92	1.06	
RV09-2831b	1	Clear	8.00	10.27	2.30	0.15	
RV09-3046e	1	Clear	17.27	9.27	2.94	0.47	
RV09-2447a	1	Clear	15.50	13.92	1.61	0.36	
RV09-2447b	1	Clear	9.26	8.44	2.18	0.16	
RV09-3377d	1	Clear	9.89	11.84	3.89	0.31	
RV09-2802a	1	Gray	30.57	21.44	4.44	2.45	
RV09-2560c	1	Gray	11.29	9.73	1.59	0.22	
RV09-3377c	1	Gray	14.85	16.27	3.93	0.65	
RV09-2216a	1	Gray	25.88	11.17	2.79	0.71	
RV09-2271a	1	Gray	10.50	16.31	3.64	0.47	
RV09-2684a	1	Gray	13.49	10.47	2.77	0.44	
RV09-2110a	1	Gray	11.45	9.39	2.76	0.27	
RV09-2933c	1	Gray	14.72	8.92	0.81	0.18	
RV09-3114c	1	Gray	11.60	8.12	1.60	0.10	
RV09-2401a	1	Gray	22.15	10.97	2.46	0.64	
RV09-2831a	1	Gray	14.97	16.30	2.60	0.75	
RV09-2929a	1	Gray	23.55	18.02	4.07	1.47	
RV09-2944b	1	Gray	14.07	23.57	6.21	1.77	
RV09-2045d	1	Clear	10.15	11.33	3.34	0.38	
RV09-2223a	1	Clear	8.63	9.55	4.91	0.16	
RV09-2882a	1	Clear	11.07	8.74	2.18	0.20	
RV09-3572a	1	Clear	15.53	16.33	4.82	0.80	
RV09-2447c	1	Clear	13.21	9.66	2.26	0.30	
RV09-2567a	1	Clear	10.34	8.11	1.76	0.14	
RV09-2662d	1	Clear	23.85	18.22	3.51	1.06	
RV09-2929b	1	Clear	11.18	13.87	2.95	0.32	
RV09-3386c	1	Clear	14.08	8.60	1.66	0.16	
RV09-2016a	1	Green	6.52	8.76	1.69	0.08	
RV09-2640c	1	Green	12.24	9.08	3.92	0.30	
RV09-3455b	1	Green	15.15	17.74	2.49	0.70	
RV09-3455c	1	Green	10.64	14.86	2.74	0.30	
RV09-2622d	1	Gray	11.62	9.13	1.66	0.24	
RV09-2045c	1	Gray	13.38	10.73	4.16	0.46	

Table A.12 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV09-2237b	1	Gray	10.59	9.13	1.63	0.10	
RV09-2380d	1	Gray	16.26	17.27	3.12	0.68	
RV09-2494d	2	Gray	24.21	15.30	3.52	1.16	
RV09-2521b	1	Gray	6.63	11.03	3.48	0.20	
RV09-3377e	1	Gray	6.99	11.29	3.08	0.17	
RV09-2216c	1	Gray	13.28	8.10	3.75	0.28	
RV09-2608f	1	Gray	10.71	5.77	2.47	0.14	
RV09-2011a	1	Gray	9.39	10.79	1.43	0.14	
RV09-2216b	1	Gray	15.10	11.86	1.53	0.23	
RV09-3411b	1	Gray	7.71	7.78	1.77	0.08	
RV09-2380e	1	Gray	10.08	15.36	1.49	0.26	
RV09-3190a	1	Gray	16.22	23.18	4.95	1.29	
RV09-3243a	1	Gray	17.24	15.85	1.98	0.51	
			Avg	Avg	Avg		
			14.30	12.62	2.93		
RV09-2918a	1	Green	13.33	5.67	1.39	0.12	22.2166667
RV09-2560a	1	Gray	18.68	8.19	2.21	0.33	11.3212121
RV09-2616c	1	Gray	12.04	7.39	2.01	0.16	15.05
RV09-2629b	1	Gray	26.05	10.44	2.34	0.83	6.27710843
RV09-2077a	1	Gray	11.37	8.41	2.31	0.17	13.3764706
RV09-2298a	1	Gray	25.24	7.26	2.61	0.49	10.3020408
RV09-2743c	1	Gray	17.42	9.90	1.44	0.41	8.49756098
RV09-2892b	1	Gray	16.17	6.25	1.54	0.19	17.0210526
RV09-3406d	1	Gray	11.18	11.23	3.07	0.37	6.04324324
RV09-2498a	1	Gray	28.11	9.47	2.13	0.67	8.39104478
RV09-2634f	1	Gray	12.09	8.20	1.77	0.18	13.4333333
RV09-3046c	1	Gray	10.38	9.77	1.98	0.24	8.65
RV09-2051	1	Gray	16.71	8.32	1.96	0.28	11.9357143
RV09-2357a	1	Gray	30.97	8.62	1.87	0.56	11.0607143
RV09-3344b	1	Gray	11.09	10.58	2.51	0.34	6.52352941
RV09-2258a	1	Gray	12.89	9.42	1.62	0.20	12.89
RV09-2393a	1	Gray	15.21	7.84	1.66	0.23	13.226087
RV09-2541a	1	Gray	28.16	8.46	2.74	0.72	7.82222222
RV09-2616a	1	Gray	15.24	9.04	2.69	0.36	8.46666667
RV09-2888a	1	Gray	18.07	7.65	1.90	0.34	10.6294118
RV09-3406b	1	Gray	13.29	10.33	3.02	0.39	6.81538462
RV09-2030c	1	Clear	13.43	10.96	2.12	0.32	8.39375
RV09-2045b	1	Clear	13.68	8.48	1.87	0.19	14.4
RV09-3352a	1	Clear	26.20	11.84	2.59	1.15	4.55652174
RV09-2045a	1	Green	19.94	11.40	2.71	0.76	5.24736842

Table A.12 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV09-2058c	1	Green	9.67	8.29	1.77	0.19	10.1789474
RV09-2103a	1	Green	24.74	13.16	2.74	1.05	4.71238095
RV09-2103b	1	Green	16.64	8.12	1.78	0.34	9.78823529
RV09-2153a	1	Green	25.07	10.61	2.66	0.57	8.79649123
RV09-2172a	1	Green	9.41	7.99	2.06	0.17	11.0705882
RV09-2199a	1	Green	15.98	9.55	2.31	0.42	7.60952381
RV09-2237a	1	Green	19.96	7.98	1.50	0.28	14.2571429
RV09-2324a	1	Green	16.15	9.71	1.53	0.31	10.4193548
RV09-2339a	1	Green	15.88	9.86	2.53	0.51	6.22745098
RV09-2339b	1	Green	13.85	9.42	2.10	0.33	8.39393939
RV09-2352e	1	Green	9.59	7.33	2.26	0.19	10.0947368
RV09-2357b	1	Green	11.05	10.17	1.73	0.26	8.5
RV09-2370a	1	Green	14.10	9.58	2.43	0.38	7.42105263
RV09-2390a	1	Green	32.22	9.48	1.89	0.77	8.36883117
RV09-2390b	1	Green	18.70	8.32	2.15	0.45	8.31111111
RV09-2390c	1	Green	16.00	10.01	1.67	0.39	8.20512821
RV09-2390f	1	Green	11.94	8.89	1.56	0.25	9.552
RV09-2390j	1	Green	10.27	7.60	2.00	0.17	12.0823529
RV09-2395c	1	Green	13.27	9.49	2.06	0.27	9.82962963
RV09-2404a	1	Green	16.79	10.79	2.04	0.53	6.33584906
RV09-2410a	1	Green	12.01	8.18	1.96	0.20	12.01
RV09-2415a	1	Green	25.27	8.98	2.52	0.70	7.22
RV09-2498i	1	Green	20.18	14.94	4.14	1.37	2.9459854
RV09-2498j	1	Green	19.96	11.15	2.68	0.75	5.32266667
RV09-2498k	1	Green	9.25	8.65	1.91	0.22	8.40909091
RV09-2509c	1	Green	9.78	8.00	1.83	0.17	11.5058824
RV09-2509d	1	Green	9.62	8.77	1.80	0.17	11.3176471
RV09-2509e	1	Green	6.81	8.25	1.61	0.12	11.35
RV09-2516a	1	Green	26.15	8.53	2.13	0.45	11.6222222
RV09-2516b	1	Green	15.75	7.41	2.05	0.33	9.54545455
RV09-2526b	1	Green	7.91	8.15	1.77	0.16	9.8875
RV09-2595a	1	Green	10.91	7.71	1.64	0.18	12.1222222
RV09-2608d	1	Green	12.01	8.73	2.27	0.29	8.28275862
RV09-2629d	1	Green	8.05	9.59	1.66	0.14	11.5
RV09-2634c	1	Green	22.25	12.17	2.06	0.77	5.77922078
RV09-2640b	1	Green	13.54	9.80	2.09	0.37	7.31891892
RV09-2662a	1	Green	16.05	7.57	2.74	0.44	7.29545455
RV09-2662b	1	Green	13.67	16.23	2.66	0.55	4.97090909
RV09-2662c	1	Green	11.95	9.67	1.77	0.26	9.19230769
RV09-2713b	1	Green	9.38	8.07	1.78	0.17	11.0352941

Table A.12 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV09-2736a	1	Green	12.31	9.19	2.08	0.33	7.46060606
RV09-2743d	1	Green	13.76	9.68	2.23	0.37	7.43783784
RV09-2743f	1	Green	9.35	8.51	1.91	0.20	9.35
RV09-2789c	1	Green	13.37	7.10	1.97	0.22	12.1545455
RV09-2789d	1	Green	11.59	9.17	2.41	0.28	8.27857143
RV09-2789e	1	Green	11.03	9.88	1.76	0.25	8.824
RV09-2797a	1	Green	24.34	10.00	2.26	0.73	6.66849315
RV09-2798a	1	Green	15.02	9.33	2.06	0.39	7.7025641
RV09-2817a	1	Green	15.45	12.01	2.20	0.52	5.94230769
RV09-2820a	1	Green	18.53	8.78	2.26	0.42	8.82380952
RV09-2857a	1	Green	16.14	11.09	2.55	0.65	4.96615385
RV09-2921a	1	Green	16.71	11.55	2.25	0.62	5.39032258
RV09-2921b	1	Green	10.15	8.49	2.48	0.24	8.45833333
RV09-2933b	1	Green	9.89	10.70	2.14	0.30	6.59333333
RV09-2940a	1	Green	11.51	8.53	2.07	0.21	10.9619048
RV09-2944a	1	Green	13.22	7.85	2.40	0.26	10.1692308
RV09-2947a	1	Green	17.11	9.78	2.39	0.47	7.28085106
RV09-2958a	1	Green	15.10	11.84	2.07	0.55	5.49090909
RV09-2966a	1	Green	21.00	7.04	2.26	0.43	9.76744186
RV09-3046a	1	Green	21.66	7.74	1.80	0.36	12.03333333
RV09-3046b	1	Green	20.32	9.72	2.83	0.65	6.25230769
RV09-3046d	1	Green	10.66	10.87	1.95	0.29	7.35172414
RV09-3108a	1	Green	20.35	10.63	2.02	0.63	6.46031746
RV09-3108b	1	Green	12.52	10.29	2.14	0.40	6.26
RV09-3112a	1	Green	23.91	8.98	2.01	0.57	8.38947368
RV09-3112c	1	Green	14.37	10.36	1.97	0.37	7.76756757
RV09-3114a	1	Green	10.65	8.37	1.76	0.18	11.83333333
RV09-3246a	1	Green	20.37	8.93	1.72	0.38	10.7210526
RV09-3253a	1	Green	7.71	7.81	1.54	0.12	12.85
RV09-3342a	1	Green	19.93	10.73	2.04	0.50	7.972
RV09-3386b	1	Green	19.49	10.36	2.72	0.57	6.83859649
RV09-3392a	1	Green	18.10	8.72	1.84	0.40	9.05
RV09-3397c	1	Green	9.67	8.62	1.97	0.20	9.67
RV09-3406c	1	Green	12.51	8.60	1.99	0.27	9.26666667
RV09-3411a	1	Green	15.76	10.24	1.61	0.34	9.27058824
RV09-3455a	1	Green	11.62	7.49	1.89	0.20	11.62
RV09-3528a	1	Green	16.80	13.78	3.24	0.91	3.69230769
RV09-3530b	1	Green	19.59	9.05	2.10	0.51	7.68235294
RV09-2849a	1	Black	16.68	12.55	2.74	0.68	4.90588235
RV09-3340a	1	Black	28.35	9.70	2.57	0.91	6.23076923

Table A.12 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV09-2005a	1	Gray	24.85	6.78	2.64	0.53	9.37735849
RV09-2124a	1	Gray	11.47	9.51	2.10	0.28	8.19285714
RV09-2190a	1	Gray	12.03	8.48	1.95	0.19	12.6631579
RV09-2278a	1	Gray	19.35	7.41	2.05	0.37	10.4594595
RV09-2352a	1	Gray	14.44	8.67	2.41	0.37	7.80540541
RV09-2352b	1	Gray	14.38	7.80	2.30	0.23	12.5043478
RV09-2352d	1	Gray	12.64	8.35	2.18	0.25	10.112
RV09-2509f	1	Gray	22.93	15.62	4.53	1.94	2.36391753
RV09-2541b	1	Gray	21.99	9.62	2.36	0.58	7.58275862
RV09-2553a	1	Gray	21.74	8.97	2.37	0.57	7.62807018
RV09-2560b	1	Gray	14.24	9.32	2.40	0.42	6.78095238
RV09-2563a	1	Gray	35.58	8.17	2.06	0.81	8.78518519
RV09-2563b	1	Gray	16.36	13.43	3.49	0.84	3.8952381
RV09-2563c	1	Gray	12.26	8.44	1.95	0.20	12.26
RV09-2608b	1	Gray	17.06	7.71	2.30	0.36	9.47777778
RV09-2629a	1	Gray	29.60	8.24	2.14	0.61	9.70491803
RV09-2750b	1	Gray	20.29	9.45	2.43	0.57	7.11929825
RV09-2797b	1	Gray	15.71	9.31	2.43	0.43	7.30697674
RV09-2083a	1	Gray	7.68	13.21	4.34	0.55	2.79272727
RV09-2268a	1	Gray	15.95	8.10	2.05	0.30	10.63333333
RV09-2364a	1	Gray	8.15	10.48	1.73	0.25	6.52
RV09-2380b	1	Gray	13.74	11.25	2.42	0.49	5.60816327
RV09-2390g	1	Gray	10.84	9.00	2.49	0.27	8.02962963
RV09-2390h	1	Gray	10.40	7.75	2.41	0.25	8.32
RV09-2390k	1	Gray	7.74	12.24	3.18	0.35	4.42285714
RV09-2478a	1	Gray	9.56	11.45	2.54	0.29	6.59310345
RV09-2494a	1	Gray	9.05	8.47	2.00	0.19	9.52631579
RV09-2498c	1	Gray	19.77	7.24	1.70	0.33	11.9818182
RV09-2498e	1	Gray	20.33	11.12	2.79	0.83	4.89879518
RV09-2509g	1	Gray	14.76	9.43	1.97	0.35	8.43428571
RV09-2509h	1	Gray	17.43	7.83	2.42	0.40	8.715
RV09-2509i	1	Gray	10.06	8.62	2.40	0.26	7.73846154
RV09-2521a	1	Gray	12.38	9.05	2.16	0.31	7.98709677
RV09-2604b	1	Gray	12.28	9.04	2.37	0.33	7.44242424
RV09-2608a	1	Gray	16.40	9.07	2.28	0.43	7.62790698
RV09-2616b	1	Gray	14.88	12.03	2.61	0.62	4.8
RV09-2622c	1	Gray	10.74	15.21	2.99	0.51	4.21176471
RV09-2654b	1	Gray	21.52	9.11	1.98	0.49	8.78367347
RV09-2667a	1	Gray	14.47	9.22	3.02	0.46	6.29130435
RV09-2721a	1	Gray	8.99	12.47	4.76	0.53	3.39245283

Table A.12 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV09-2743e	1	Gray	9.42	10.45	2.42	0.32	5.8875
RV09-2786a	1	Gray	8.57	6.90	2.45	0.16	10.7125
RV09-2892c	1	Gray	7.87	8.44	0.84	0.06	26.2333333
RV09-3344a	1	Gray	11.11	6.21	1.56	0.11	20.2
RV09-3377b	1	Gray	9.31	10.60	1.51	0.22	8.46363636
RV09-3397b	1	Gray	21.08	13.73	3.39	1.03	4.09320388
RV09-3401a	1	Gray	13.26	8.64	2.09	0.19	13.9578947
RV09-3414a	1	Gray	28.04	6.87	2.74	0.57	9.83859649
RV09-3530a	1	Gray	37.36	12.46	2.56	1.38	5.41449275
RV09-3530c	1	Gray	19.62	13.48	2.80	0.97	4.04536082
RV09-3530d	1	Gray	18.00	12.82	2.62	0.62	5.80645161
RV09-3530f	1	Gray	9.41	9.94	1.97	0.20	9.41
RV09-2380a	1	Gray	35.86	16.77	3.02	2.65	2.70641509
RV09-2395a	1	Gray	31.92	13.21	2.96	1.67	3.82275449
RV09-2487a	1	Gray	10.48	10.03	1.88	0.25	8.384
RV09-2526a	1	Gray	10.40	7.93	1.44	0.15	13.8666667
RV09-2537a	1	Gray	10.06	10.12	2.20	0.23	8.74782609
RV09-2789b	1	Gray	15.48	7.47	1.80	0.29	10.6758621
RV09-2849b	1	Gray	8.81	10.95	2.28	0.32	5.50625
RV09-2951a	1	Gray	16.41	12.85	1.84	0.51	6.43529412
RV09-3112b	1	Gray	19.33	7.67	2.35	0.45	8.59111111
RV09-3386a	1	Gray	20.62	10.39	2.19	0.65	6.34461538
RV09-3568a	1	Gray	20.28	12.87	2.80	0.90	4.50666667
RV09-2058a	1	Gray	13.27	15.79	2.83	0.66	4.02121212
RV09-2058b	1	Gray	13.73	14.62	2.71	0.52	5.28076923
RV09-2278b	1	Gray	11.07	13.77	3.41	0.48	4.6125
RV09-2494b	1	Gray	9.64	9.58	2.03	0.16	12.05
RV09-2494c	1	Gray	8.75	9.04	2.17	0.18	9.72222222
RV09-2498b	1	Gray	12.83	7.94	1.90	0.24	10.6916667
RV09-2498h	1	Gray	10.10	12.21	3.52	0.44	4.59090909
RV09-2509j	1	Gray	10.70	7.66	2.15	0.19	11.2631579
RV09-2750a	1	Gray	28.37	11.88	3.55	1.41	4.02411348
RV09-3305a	1	Gray	32.30	11.35	3.67	1.72	3.75581395
RV09-2390d	1	Gray	15.51	8.25	2.58	0.33	9.4
RV09-2395b	1	Gray	25.39	11.14	2.68	1.02	4.97843137
RV09-2467a	1	Gray	25.49	7.58	1.90	0.47	10.8468085
RV09-2498d	1	Gray	16.22	7.33	2.20	0.30	10.8133333
RV09-2526d	1	Gray	25.20	7.67	2.03	0.46	10.9565217
RV09-2622b	1	Gray	13.58	7.00	2.55	0.26	10.4461538
RV09-2634b	1	Gray	22.87	9.07	2.16	0.73	6.26575342

Table A.12 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV09-2713a	1	Gray	25.27	7.26	1.88	0.43	11.7534884
RV09-3342b	1	Gray	10.72	9.98	2.50	0.32	6.7
RV09-3432a	1	Gray	22.19	5.09	1.49	0.24	18.4916667
RV09-2030a	1	Gray	18.03	8.63	2.34	0.50	7.212
RV09-2030b	1	Gray	14.83	9.03	1.49	0.26	11.4076923
RV09-2062a	1	Gray	10.83	13.50	3.45	0.51	4.24705882
RV09-2188a	1	Gray	18.65	7.10	1.88	0.31	12.0322581
RV09-2390l	1	Gray	7.69	9.28	1.96	0.20	7.69
RV09-2433a	1	Gray	9.22	7.47	1.70	0.17	10.8470588
RV09-2482a	1	Gray	12.22	12.96	2.68	0.57	4.2877193
RV09-2498g	1	Gray	8.20	9.60	1.97	0.18	9.11111111
RV09-2509a	1	Gray	31.43	7.34	1.69	0.42	14.9666667
RV09-2509b	1	Gray	15.71	9.21	2.86	0.45	6.98222222
RV09-2521c	1	Gray	24.33	10.32	2.24	0.72	6.75833333
RV09-2553c	1	Gray	20.63	7.74	1.97	0.36	11.4611111
RV09-2622a	1	Gray	13.98	6.76	1.85	0.19	14.7157895
RV09-2634e	1	Gray	13.10	5.77	1.52	0.15	17.4666667
RV09-2654a	1	Gray	22.35	8.63	1.83	0.51	8.76470588
RV09-2654c	1	Gray	23.79	7.78	1.80	0.44	10.8136364
RV09-3114b	1	Gray	8.40	7.88	2.47	0.18	9.33333333
RV09-3377a	1	Gray	23.70	15.29	3.37	1.19	3.98319328
RV09-3382a	1	Gray	10.09	6.47	2.40	0.17	11.8705882
RV09-3406a	1	Gray	16.26	9.81	2.81	0.56	5.80714286
RV09-3530e	1	Gray	14.87	9.68	2.69	0.49	6.06938776
RV09-3533a	2	Gray	30.82	10.93	2.77	1.01	6.1029703
RV09-3564a	1	Gray	20.33	8.37	2.14	0.43	9.45581395
RV09-2608e	1	Gray	10.64	7.50	2.19	0.19	11.2
RV09-2041a	1	Green	8.96	11.21	2.44	0.26	6.89230769
RV09-2390i	1	Green	10.35	11.04	2.28	0.33	6.27272727
RV09-2743b	1	Green	23.52	10.59	2.28	0.74	6.35675676
RV09-2789a	1	Green	20.68	11.16	2.56	0.66	6.26666667
RV09-2892a	1	Green	18.29	10.56	2.63	0.57	6.41754386
RV09-2956a	1	Green	13.85	9.68	2.03	0.32	8.65625
RV09-3397a	1	Green	25.98	10.40	2.30	0.74	7.02162162
RV09-2390e	2	Black	22.86	10.60	2.48	0.74	6.17837838
RV09-2030d	1	Gray	12.08	7.73	2.38	0.28	8.62857143
RV09-2306a	1	Gray	26.83	12.09	2.59	1.14	4.70701754
RV09-2380c	1	Gray	10.59	10.07	2.33	0.29	7.30344828
RV09-2553b	1	Gray	21.71	9.07	2.56	0.65	6.68
RV09-2604a	1	Gray	17.95	9.74	2.40	0.61	5.8852459

Table A.12 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV09-2608c	1	Gray	13.54	6.74	2.33	0.23	11.773913
RV09-2933a	1	Gray	24.72	8.73	2.20	0.59	8.37966102
RV09-2278c	1	Gray	7.62	8.03	2.25	0.18	8.46666667
RV09-2352c	1	Gray	13.05	8.49	2.18	0.34	7.67647059
RV09-2376a	1	Gray	12.32	7.96	2.22	0.27	9.12592593
RV09-2629c	1	Gray	18.00	12.94	2.34	0.58	6.20689655
RV09-2992a	1	Gray	13.63	11.85	4.67	0.61	4.46885246
RV09-3425a	1	Gray	19.43	7.93	1.95	0.33	11.7757576
RV09-2526c	1	Gray	16.26	10.37	3.11	0.57	5.70526316
RV09-2634d	1	Gray	20.41	11.98	2.95	0.76	5.37105263
RV09-2159a	1	Gray	17.45	9.38	2.30	0.47	7.42553191
RV09-2357c	1	Gray	8.89	8.26	2.16	0.15	11.85333333
RV09-2424a	1	Gray	26.80	5.68	2.08	0.41	13.0731707
RV09-2498f	1	Gray	16.44	12.28	1.96	0.49	6.71020408
RV09-2526e	1	Gray	16.79	7.49	2.03	0.31	10.8322581
RV09-2640a	1	Gray	35.98	9.36	2.27	0.95	7.57473684
RV09-2343a	1	Gray	12.98	10.02	1.87	0.28	9.27142857
RV09-2412a	1	Gray	24.33	13.73	2.51	1.12	4.34464286
RV09-2634a	1	Gray	37.41	9.31	2.15	0.95	7.87578947
RV09-2743a	2	Gray	47.74	15.35	3.31	2.92	3.26986301
RV09-2961a	1	Gray	29.84	8.59	2.06	0.64	9.325
			Avg	Avg	Avg	Sum	Avg
TOTALS:	301		16.68	9.61	2.29	147.19	8.58788632
						s.d. =	3.31402581

Table A.13 San Francisco de Arriba 1999 (SFA99) artifacts

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-022ss	A	7	3	Biface		Bifacially flaked prismatic blade; both proximal and distal ends snapped off	EC*
SFA99-045j	E	1	2	Biface		Bifacially-flaked tool; distal end and one lateral margin snapped off; very proximal tip probably fractured off too - still appears bifacial	EC
SFA99-157a	I	4	6W	Biface		Bifacially flaked tool; probably a stemmed projectile point or knife; fractured length-wise down middle of tool; stem completely broken off; parallel pressure flakes on both dorsal and ventral surfaces	LTF
SFA99-041a	B	11	1	Biface		Large bifacially flaked tool; probably knife or projectile point; stem comes to a point; not corner notched; proximal end fractured - impact fracture or end shock	EC
SFA99-055I	E	2	1	Biface		Bifacially modified flake; one lateral margin is a hinge fracture from previous flake removal; bifacial margin has parallel flaking to shape cutting edge	EC
SFA99-023q	A	7	4	Biface		Large biface; stem forms a triangular point; corner notches; snapped off (either end shock or impact fracture) at proximal end	EC*
SFA99-070c	F	2	6	Biface		Bifacially modified flake; 2 pieces; proximal and distal ends missing - fractured off	LTF
SFA99-022vv	A	7	3	Chunk			EC*
SFA99-023nn	A	7	4	Chunk		Flake scars around entire periphery of chunk	EC*
SFA99-023r	A	7	4	Chunk		Scars around the entire periphery - exhausted percussion core?	EC*

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-059b	F	1	3W	Chunk			LTF*
SFA99-071b	F	3	1	Chunk			LTF
SFA99-080c	F	5	1	Chunk			LTF
SFA99-081b	F	5	2	Chunk			LTF
SFA99-091f	F	6	5	Chunk			LTF*
SFA99-093k	F	7	2	Chunk			LTF
SFA99-093l	F	7	2	Chunk			LTF
SFA99-094o	F	7	3-F2	Chunk			LTF*
SFA99-094p	F	7	3-F2	Chunk			LTF*
SFA99-095c	F	7	4	Chunk			LTF
SFA99-121e	G	5	3	Chunk			LTF
SFA99-125d	G	6	4	Chunk			LTF
SFA99-129g	G	7	3	Chunk			LTF
SFA99-154hh	I	4	3	Chunk			LTF
SFA99-155n	I	4	4	Chunk			LTF
SFA99-156e	I	4	5	Chunk			LTF
SFA99-161n	J	3	1	Chunk			LPC
SFA99-167c	K	1	3	Chunk		Flaked on both dorsal and ventral surface; one edge crushed, possibly due to use	LPC
SFA99-175g	L	1	6	Chunk			EC*
SFA99-093i	F	7	2	Chunk			LTF
SFA99-029l	B	3	1	Chunk			EC
SFA99-030c	B	3	2	Chunk			EC
SFA99-031d	B	4	1	Chunk			EC
SFA99-032b	B	5	1	Chunk			EC
SFA99-071c	F	3	1	Chunk			LTF
SFA99-080d	F	5	1	Chunk			LTF

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-101d	F	8	4	Chunk			LTF
SFA99-101e	F	8	4	Chunk			LTF
SFA99-114h	G	2	4	Chunk			LTF
SFA99-114i	G	2	4	Chunk			LTF
SFA99-121d	G	5	3	Chunk			LTF
SFA99-121f	G	5	3	Chunk			LTF
SFA99-136f	G	8	4	Chunk			LTF
SFA99-138i	H	1	2	Chunk			LTF
SFA99-160g	J	2	1	Chunk			LPC
SFA99-175f	L	1	6	Chunk			EC*
SFA99-099s	F	8	2	Chunk			LTF
SFA99-125e	G	6	4	Chunk			LTF
SFA99-148h	I	2	1	Chunk			LPC
SFA99-093j	F	7	2	Chunk			LTF
SFA99-133c	G	8	1	Chunk			EC
SFA99-067h	F	2	3	Chunk			LTF
SFA99-026c	B	1	2	Chunk		Dorsal surface is smooth - no flake scarring, unlike ventral surface	EC
SFA99-017a	A	5	1	Core		Polyhedral core fragment; several arrises across dorsal surface; partly ground corner edge; probably removed as rejuvenation from a nearly exhausted core	EC*
SFA99-001j	A	1	1	Flake		Percussion flake; partial platform; bulb on ventral surface; flake scars on dorsal surface	EC
SFA99-020p	A	5	4	Flake		Percussion flake; possible rejuvenation flake; some small arrises on dorsal surface; no platform, but bulb on ventral surface	EC*
SFA99-020q	A	5	4	Flake		Percussion flake; terminates in hinge fracture; no platform, bulb on ventral surface	EC*

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-020r	A	5	4	Flake		Percussion flake; small platform and bulb on ventral surface	EC*
SFA99-020s	A	5	4	Flake		Percussion flake; small platform and bulb on ventral surface	EC*
SFA99-020t	A	5	4	Flake		Percussion flake; small platform and bulb on ventral surface	EC*
SFA99-020u	A	5	4	Flake		Thin percussion flake; small platform and bulb on ventral surface	EC*
SFA99-020v	A	5	4	Flake		No platform; partial bulb on ventral surface	EC*
SFA99-020x	A	5	4	Flake		No platform; partial bulb on ventral surface	EC*
SFA99-020y	A	5	4	Flake		No platform; partial bulb on ventral surface	EC*
SFA99-020z	A	5	4	Flake		No platform; partial bulb on ventral surface	EC*
SFA99-021j	A	7	1	Flake		Platform fractured off; possibly a core-shaping flake; inclusions on ventral surface	EC*
SFA99-022l	A	7	2	Flake		Possible percussion blade; multiple facets at proximal end; no platform	EC*
SFA99-022m	A	7	2	Flake		Lateral rejuvenation flake - hinge fracture on dorsal surface; several arrises across face (see Clark and Bryant 1997:116)	EC*
SFA99-022tt	A	7	3	Flake		Lateral rejuvenation flake; second or later rejuvenation flake; several arrises across face (see Clark and Bryant 1997:116)	EC*
SFA99-022uu	A	7	3	Flake		Percussion flake; no platform; partial bulb on ventral surface	EC*
SFA99-022ww	A	7	3	Flake		Small percussion flake; no platform; partial bulb	EC*
SFA99-023aa	A	7	4	Flake		Small platform - microblade-looking	EC*
SFA99-023bb	A	7	4	Flake			EC*
SFA99-023cc	A	7	4	Flake			EC*

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-023dd	A	7	4	Flake			EC*
SFA99-023ee	A	7	4	Flake			EC*
SFA99-023ff	A	7	4	Flake			EC*
SFA99-023gg	A	7	4	Flake			EC*
SFA99-023ii	A	7	4	Flake			EC*
SFA99-023jj	A	7	4	Flake			EC*
SFA99-023oo	A	7	4	Flake		Percussion flake; possibly for rejuvenation	EC*
SFA99-023pp	A	7	4	Flake			EC*
SFA99-023qq	A	7	4	Flake			EC*
SFA99-023s	A	7	4	Flake		Percussion flake	EC*
SFA99-023ss	A	7	4	Flake			EC*
SFA99-023tt	A	7	4	Flake			EC*
SFA99-023u	A	7	4	Flake		Percussion flake	EC*
SFA99-023v	A	7	4	Flake		Percussion flake	EC*
SFA99-023w	A	7	4	Flake		Percussion flake	EC*
SFA99-023x	A	7	4	Flake		Percussion flake	EC*
SFA99-023y	A	7	4	Flake		Percussion flake	EC*
SFA99-023z	A	7	4	Flake			EC*
SFA99-024h	A	7	5	Flake			EC*
SFA99-024j	A	7	5	Flake		Possible rejuvenation flake - one flat facet on dorsal surface	EC*
SFA99-024k	A	7	5	Flake			EC*
SFA99-024m	A	7	5	Flake		Pressure flake	EC*

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-024n	A	7	5	Flake			EC*
SFA99-024o	A	7	5	Flake			EC*
SFA99-024p	A	7	5	Flake		Pressure flake	EC*
SFA99-025g	B	1	1	Flake		Percussion flake; no platform	EC
SFA99-029k	B	3	1	Flake		Large bulb on ventral surface	EC
SFA99-030a	B	3	2	Flake		Multiple flake scars on dorsal surface	EC
SFA99-032c	B	5	1	Flake			EC
SFA99-037a	B	7	1	Flake		No platform; bulb on ventral surface; flake scars on dorsal surface	EC
SFA99-047e	E	1	4	Flake		Preparation flake?; lightly scored platform; fairly large bulb on ventral surface; irregular arrises and asymmetrical lateral edges	LTF
SFA99-049b	E	1	6	Flake			LTF
SFA99-053a	E	1	19	Flake		Small pressure flake?	LF*
SFA99-058c	F	1	1	Flake			LTF
SFA99-065a	F	1	6E	Flake			LTF
SFA99-077c	F	3	6	Flake			LTF
SFA99-080a	F	5	1	Flake		Possible prismatic blade or blade prep flake - single arris on dorsal surface	LTF
SFA99-089e	F	6	3-F2	Flake		Percussion flake; dorsal surface is a single facet	LTF*
SFA99-091a	F	6	5	Flake		Thinning flake?	LTF*
SFA99-091e	F	6	5	Flake			LTF*
SFA99-095a	F	7	4	Flake		Small percussion flake	LTF
SFA99-118c	G	5	1	Flake		Thinning flake?	EC
SFA99-119b	G	5	2	Flake		Small platform	EC

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-126c	G	7	1	Flake		Probably proximal end of prismatic blade - 2 arrises on dorsal surface; flake scars on proximal end, bulb and scars on ventral surface	EC
SFA99-129e	G	7	3	Flake		Part of prismatic blade or prismatic core - arrises on dorsal surface, flake scars and possible plunging section on ventral surface	LTF
SFA99-135a	G	8	3	Flake		Small platform; thinning flake	LTF
SFA99-135b	G	8	3	Flake		Small platform; thinning flake	LTF
SFA99-136b	G	8	4	Flake		Thinning flake?	LTF
SFA99-136c	G	8	4	Flake			LTF
SFA99-153e	I	4	2	Flake			LPC
SFA99-174g	L	1	5	Flake		Platform partially crushed	EC*
SFA99-181d	L	2	5	Flake		Probable rejuvenation/preparation flake	EC*
SFA99-181e	L	2	5	Flake		Core rejuvenation flake; several arrises - obviously a core	EC*
SFA99-023hh	A	7	4	Flake			EC*
SFA99-099i	F	8	2	Flake			LTF
SFA99-002f	A	1	2-East	Flake		Possible rejuvenation flake	EC
SFA99-002g	A	1	2-East	Flake		Possible rejuvenation flake	EC
SFA99-015b	A	4	2	Flake		Possible preparation flake - getting arrises ready for blades to be removed; crushed platform	LTF
SFA99-020w	A	5	4	Flake		No platform; small bulb	EC*
SFA99-021k	A	7	1	Flake		No platform; partial bulb on ventral surface	EC*
SFA99-023rr	A	7	4	Flake			EC*
SFA99-024i	A	7	5	Flake			EC*
SFA99-027b	B	1	3	Flake		Small percussion flake - crushed platform	EC

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-029j	B	3	1	Flake		Possible prismatic blade removal - dorsal surface covered in flake scars	EC
SFA99-030b	B	3	2	Flake		Small percussion flake; platform; small bulb on ventral surface	EC
SFA99-038b	B	7	2	Flake			EC
SFA99-044d	E	1	1	Flake		Small percussion flake	EC
SFA99-049a	E	1	6	Flake		Possible core rejuvenation flake; percussion scars on ventral surface; flake scar on proximal end of dorsal surface; also two arrises on dorsal surface	LTF
SFA99-053b	E	1	19	Flake			LF*
SFA99-054a	E	1	23	Flake		Possible part of a blade's dorsal surface - arrises	LF*
SFA99-063b	F	1	4E	Flake		Possible prismatic blade fragment; platform (slightly scored); smooth ventral surface; flake scars on dorsal surface	LTF
SFA99-068a	F	2	4	Flake		Percussion flake - platform, bulb on ventral surface	LTF
SFA99-084b	F	5	5E	Flake		Possible preparation or rejuvenation flake	LTF
SFA99-087a	F	5	7W	Flake		Preparation flake; small amount of cortex on dorsal side near left lateral margin	LTF
SFA99-091b	F	6	5	Flake		Thinning flake?	LTF*
SFA99-093c	F	7	2	Flake		Percussion flake	LTF
SFA99-093d	F	7	2	Flake		Percussion flake	LTF
SFA99-093e	F	7	2	Flake		Percussion flake	LTF
SFA99-099g	F	8	2	Flake		Percussion flake	LTF
SFA99-099h	F	8	2	Flake		Some cortex on dorsal surface (~50%)	LTF
SFA99-124a	G	6	3	Flake		Possible from prismatic blade; platform crushed; ventral side covered in percussion ridges	LTF

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-127b	G	7	2	Flake		Probably a prismatic blade fragment - fractured length-wise down body	EC
SFA99-128a	G	7	3	Flake		Probably distal end of blade fragment - snapped off, resulting in tongue flake still attached to blade fragment (see Clark and Bryant 1997)	LTF
SFA99-130a	G	7	4	Flake		Thinning flake	LTF
SFA99-151j	I	3	2N	Flake		Platform slightly crushed; thin percussion flake	LPC
SFA99-156b	I	4	5	Flake			LTF
SFA99-023t	A	7	4	Flake		Percussion flake	EC*
SFA99-024l	A	7	5	Flake			EC*
SFA99-025h	B	1	1	Flake		Ripples on both dorsal and ventral surfaces	EC
SFA99-032d	B	5	1	Flake			EC
SFA99-060a	F	1	3E	Flake		Small platform; bulb on ventral surface	LTF*
SFA99-122g	G	6	1	Flake			EC
SFA99-150m	I	3	3N	Flake		Thin percussion flake	LTF
SFA99-155k	I	4	4	Flake			LTF
SFA99-162e	J	5	2	Flake		Thinning flake; outré passé curving	LPC
SFA99-181f	L	2	5	Flake		Small platform	EC*
SFA99-186b	L	3	4	Flake		Fractured platform; small bulb on ventral surface	EC*
SFA99-113a	G	2	3a	Flake		Possible core fragment or prismatic blade - 2 arrises on dorsal surface; flaking on lateral margins	LTF
SFA99-004c	A	1- West	20-60 cmbd	Flake		Platform and bulb present	EC
SFA99-147b	I	1	4	Flake		Large, relatively flat flake - thinning? Flake scars on dorsal surface	LTF

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-166f	K	1	2	Flake		Small platform	LPC
SFA99-047f	E	1	4	Flake fragment			LTF
SFA99-050a	E	1	7	Flake fragment			LTF
SFA99-051a	E	1	9	Flake fragment			LF*
SFA99-054b	E	1	23	Flake fragment			LF*
SFA99-055o	E	2	1	Flake fragment			EC
SFA99-056j	E	2	2	Flake fragment			EC
SFA99-056k	E	2	2	Flake fragment			EC
SFA99-067i	F	2	3	Flake fragment			EC
SFA99-074b	F	3	4-F2	Flake fragment			LTF*
SFA99-078d	F	4	1	Flake fragment			LTF*
SFA99-080b	F	5	1	Flake fragment			LTF
SFA99-082c	F	5	3-F2	Flake fragment			LTF*
SFA99-082e	F	5	3-F2	Flake fragment			LTF*
SFA99-086b	F	5	6E	Flake fragment			LTF
SFA99-086c	F	5	6E	Flake fragment			LTF

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-088l	F	6	2	Flake fragment			LTF
SFA99-088m	F	6	2	Flake fragment			LTF
SFA99-090d	F	6	4	Flake fragment			LTF
SFA99-091c	F	6	5	Flake fragment			LTF*
SFA99-091d	F	6	5	Flake fragment		Thinning flake?	LTF*
SFA99-092a	F	6	5	Flake fragment			LTF*
SFA99-093a	F	7	1	Flake fragment			LTF
SFA99-093f	F	7	2	Flake fragment			LTF
SFA99-093h	F	7	2	Flake fragment			LTF
SFA99-094g	F	7	3-F2	Flake fragment		Possibly related to blade manufacture - single arris on dorsal surface	LTF*
SFA99-094i	F	7	3-F2	Flake fragment			LTF*
SFA99-094l	F	7	3-F2	Flake fragment			LTF*
SFA99-094m	F	7	3-F2	Flake fragment			LTF*
SFA99-096h	F	7	5	Flake fragment			LTF*
SFA99-096l	F	7	5	Flake fragment			LTF*
SFA99-098a	F	8	1	Flake fragment			LTF

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-098c	F	8	1	Flake fragment			LTF
SFA99-098e	F	8	1	Flake fragment			LTF
SFA99-099l	F	8	2	Flake fragment			LTF
SFA99-099m	F	8	2	Flake fragment			LTF
SFA99-099q	F	8	2	Flake fragment			LTF
SFA99-100f	F	8	3-F2	Flake fragment			LTF*
SFA99-103d	F	8	5	Flake fragment		Possible blade fragment	LTF
SFA99-105c	G	1	2	Flake fragment			EC
SFA99-106a	G	1	3	Flake fragment			EC
SFA99-106c	G	1	3	Flake fragment			EC
SFA99-107d	G	1	4	Flake fragment		Dorsal surface covered in cortex	LTF
SFA99-107e	G	1	4	Flake fragment			LTF
SFA99-108b	G	1	5	Flake fragment			LTF
SFA99-114d	G	2	4	Flake fragment			LTF
SFA99-114g	G	2	4	Flake fragment			LTF
SFA99-116a	G	3	1	Flake fragment		No platform; scarring on dorsal and ventral surfaces	EC

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-117h	G	3	2	Flake fragment		Multi-faceted dorsal surface	EC
SFA99-122h	G	6	1	Flake fragment		Possible blade fragment; flake scars on dorsal and ventral surfaces	EC
SFA99-122j	G	6	1	Flake fragment			EC
SFA99-124b	G	6	3	Flake fragment			LTF
SFA99-125a	G	6	4	Flake fragment			LTF
SFA99-125b	G	6	4	Flake fragment			LTF
SFA99-127d	G	7	2	Flake fragment			EC
SFA99-127g	G	7	2	Flake fragment			EC
SFA99-130c	G	7	4	Flake fragment			LTF
SFA99-134b	G	8	2	Flake fragment		Probable core preparation or rejuvenation flake; hinge fracture on proximal end	LTF
SFA99-136d	G	8	4	Flake fragment			LTF
SFA99-137d	H	1	1	Flake fragment		Probably from core preparation - several arrises on dorsal surface	LTF
SFA99-137e	H	1	1	Flake fragment			LTF
SFA99-138f	H	1	2	Flake fragment			LTF
SFA99-144g	I	1	1	Flake fragment			LPC
SFA99-145c	I	1	2	Flake fragment			LPC

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-145d	I	1	2	Flake fragment			LPC
SFA99-148f	I	2	1	Flake fragment		Possible blade fragment; scarring on dorsal and ventral surfaces	LPC
SFA99-148g	I	2	1	Flake fragment			LPC
SFA99-154ee	I	4	3	Flake fragment			LTF
SFA99-154gg	I	4	3	Flake fragment			LTF
SFA99-155I	I	4	4	Flake fragment			LTF
SFA99-156d	I	4	5	Flake fragment			LTF
SFA99-158a	I	4	18	Flake fragment			LF
SFA99-160e	J	2	1	Flake fragment			LPC
SFA99-160f	J	2	1	Flake fragment		Possibly lateral margin of a prismatic blade, fractured off length-wise	LPC
SFA99-161am	J	3	1	Flake fragment			LPC
SFA99-163e	J	5	3	Flake fragment			LPC
SFA99-166h	K	1	2	Flake fragment			LPC
SFA99-167b	K	1	3	Flake fragment		Very small flake; erailure or pressure flake?	LPC
SFA99-174h	L	1	5	Flake fragment		No platform - fractured off	EC*
SFA99-175e	L	1	6	Flake fragment		No platform; possibly fragment of a prismatic blade - flaking on dorsal and ventral surfaces	EC*

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-126d	G	7	1	Flake fragment			EC
SFA99-099p	F	8	2	Flake fragment			LTF
SFA99-012c	A	3	2	Flake fragment		No platform and only partial bulb; possible hinge fracture removal	EC
SFA99-044e	E	1	1	Flake fragment			EC
SFA99-045l	E	1	2	Flake fragment			EC
SFA99-055m	E	2	1	Flake fragment			EC
SFA99-055n	E	2	1	Flake fragment			EC
SFA99-056h	E	2	2	Flake fragment			EC
SFA99-056i	E	2	2	Flake fragment			EC
SFA99-056l	E	2	2	Flake fragment			EC
SFA99-065b	F	1	6E	Flake fragment			LTF
SFA99-070d	F	2	6	Flake fragment		Possibly from manufacturing SFA99-070c	LTF
SFA99-070e	F	2	6	Flake fragment		Possibly from manufacturing SFA99-070c	LTF
SFA99-070f	F	2	6	Flake fragment		Possibly from manufacturing SFA99-070c	LTF
SFA99-070g	F	2	6	Flake fragment		Possibly from manufacturing SFA99-070c	LTF
SFA99-072a	F	3	2	Flake fragment			LTF

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-075a	F	3	4-F2	Flake fragment		Possibly part of a decorative ornament - very smooth on both dorsal and ventral surface	LTF*
SFA99-078b	F	4	1	Flake fragment			LTF
SFA99-078c	F	4	1	Flake fragment			LTF
SFA99-079a	F	4	2	Flake fragment			LTF
SFA99-082d	F	5	3-F2	Flake fragment			LTF*
SFA99-083b	F	5	5N	Flake fragment			LTF
SFA99-086a	F	5	6E	Flake fragment			LTF
SFA99-088k	F	6	2	Flake fragment		Partial Hertzian cone on ventral surface	LTF
SFA99-088n	F	6	2	Flake fragment			LTF
SFA99-088o	F	6	2	Flake fragment			LTF
SFA99-089f	F	6	3-F2	Flake fragment			LTF*
SFA99-089g	F	6	3-F2	Flake fragment			LTF*
SFA99-089h	F	6	3-F2	Flake fragment		Some cortex on one surface	LTF*
SFA99-089i	F	6	3-F2	Flake fragment			LTF*
SFA99-092b	F	6	5	Flake fragment			LTF*
SFA99-093g	F	7	2	Flake fragment			LTF

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-094h	F	7	3-F2	Flake fragment			LTF*
SFA99-094j	F	7	3-F2	Flake fragment			LTF*
SFA99-094k	F	7	3-F2	Flake fragment			LTF*
SFA99-096b	F	7	5	Flake fragment			LTF*
SFA99-096c	F	7	5	Flake fragment			LTF*
SFA99-096d	F	7	5	Flake fragment			LTF*
SFA99-096e	F	7	5	Flake fragment			LTF*
SFA99-096f	F	7	5	Flake fragment			LTF*
SFA99-096g	F	7	5	Flake fragment			LTF*
SFA99-096i	F	7	5	Flake fragment			LTF*
SFA99-096j	F	7	5	Flake fragment			LTF*
SFA99-096k	F	7	5	Flake fragment			LTF*
SFA99-098b	F	8	1	Flake fragment			LTF
SFA99-099j	F	8	2	Flake fragment			LTF
SFA99-099k	F	8	2	Flake fragment			LTF
SFA99-099n	F	8	2	Flake fragment			LTF

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-099o	F	8	2	Flake fragment			LTF
SFA99-099r	F	8	2	Flake fragment			LTF
SFA99-100b	F	8	3-F2	Flake fragment		Possible blade fragment w/ many flake scars around perimeter	LTF*
SFA99-100c	F	8	3-F2	Flake fragment			LTF*
SFA99-100d	F	8	3-F2	Flake fragment			LTF*
SFA99-100e	F	8	3-F2	Flake fragment			LTF*
SFA99-100g	F	8	3-F2	Flake fragment			LTF*
SFA99-100h	F	8	3-F2	Flake fragment			LTF*
SFA99-101b	F	8	4	Flake fragment			LTF
SFA99-101c	F	8	4	Flake fragment			LTF
SFA99-102a	F	8	5	Flake fragment			LTF
SFA99-102b	F	8	5	Flake fragment			LTF
SFA99-102c	F	8	5	Flake fragment			LTF
SFA99-103a	F	8	5	Flake fragment			LTF
SFA99-103b	F	8	5	Flake fragment			LTF
SFA99-103c	F	8	5	Flake fragment			LTF

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-104a	G	1	1	Flake fragment			EC
SFA99-104b	G	1	1	Flake fragment			EC
SFA99-105b	G	1	2	Flake fragment			EC
SFA99-105d	G	1	2	Flake fragment			EC
SFA99-106b	G	1	3	Flake fragment			EC
SFA99-107c	G	1	4	Flake fragment		Dorsal surface covered in cortex	LTF
SFA99-114c	G	2	4	Flake fragment			LTF
SFA99-114f	G	2	4	Flake fragment			LTF
SFA99-115b	G	3	1	Flake fragment		Platform fractured off; partial bulb	EC
SFA99-117j	G	3	2	Flake fragment			EC
SFA99-119c	G	5	2	Flake fragment			LTF
SFA99-122i	G	6	1	Flake fragment			EC
SFA99-125c	G	6	4	Flake fragment			LTF
SFA99-126e	G	7	1	Flake fragment			EC
SFA99-127c	G	7	2	Flake fragment		Partial possible thinning flake	EC
SFA99-127e	G	7	2	Flake fragment			EC

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-127f	G	7	2	Flake fragment			EC
SFA99-129f	G	7	3	Flake fragment			LTF
SFA99-130b	G	7	4	Flake fragment			LTF
SFA99-131a	G	7	4	Flake fragment			LTF
SFA99-131b	G	7	4	Flake fragment			LTF
SFA99-131c	G	7	4	Flake fragment			LTF
SFA99-132a	G	7	5	Flake fragment			LTF
SFA99-134c	G	8	2	Flake fragment			LTF
SFA99-134d	G	8	2	Flake fragment			LTF
SFA99-136e	G	8	4	Flake fragment		Hinge fracture scar on dorsal surface	LTF
SFA99-137c	H	1	1	Flake fragment		Core preparation flake - small amount of cortex (~20%) on dorsal surface)	LTF
SFA99-138g	H	1	2	Flake fragment			LTF
SFA99-138h	H	1	2	Flake fragment			LTF
SFA99-140e	H	3	1	Flake fragment			LTF
SFA99-140f	H	3	1	Flake fragment			LTF
SFA99-142f	H	4	1	Flake fragment			LTF

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-143a	H	4	2	Flake fragment		Probably core preparation or rejuvenation flake - several facets on dorsal surface	LTF
SFA99-145e	I	1	2	Flake fragment			LPC
SFA99-147c	I	1	4	Flake fragment		Possible blade fragment; highly fractured length-wise	LTF
SFA99-147d	I	1	4	Flake fragment			LTF
SFA99-147e	I	1	4	Flake fragment			LTF
SFA99-149d	I	3	1	Flake fragment			LPC
SFA99-149e	I	3	1	Flake fragment			LPC
SFA99-152e	I	4	1	Flake fragment		Possible part of prismatic blade or prismatic core; hinge fracture on ventral surface, along with several other flake scars; dorsal surface irregular	LPC
SFA99-153f	I	4	2	Flake fragment		Probable blade fragment, fractured length-wise; one lateral margin present - fractured before arrises	LPC
SFA99-153g	I	4	2	Flake fragment			LPC
SFA99-154ff	I	4	3	Flake fragment			LTF
SFA99-155m	I	4	4	Flake fragment		Possible final-stage blade fragment	LTF
SFA99-156c	I	4	5	Flake fragment			LTF
SFA99-159d	J	1	1	Flake fragment		Possible blade fragment - flaked on dorsal and ventral surfaces	LPC

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-161k	J	3	1	Flake fragment		Probable final-stage blade w/ pressure flake scars on dorsal and ventral surfaces from proximal end down length of blade	LPC
SFA99-161l	J	3	1	Flake fragment		Possible final-stage blade w/ several flake scars on both dorsal and ventral surfaces	LPC
SFA99-166g	K	1	2	Flake fragment			LPC
SFA99-166i	K	1	2	Flake fragment			LPC
SFA99-181g	L	2	5	Flake fragment		No platform; partial bulb on ventral surface	EC*
SFA99-036b	B	6	3	Flake fragment		Small percussion flake; no platform	EC
SFA99-044f	E	1	1	Flake fragment		Partial bulb, but no platform	EC
SFA99-088p	F	6	2	Flake fragment			LTF
SFA99-088q	F	6	2	Flake fragment			LTF
SFA99-098d	F	8	1	Flake fragment			LTF
SFA99-139c	H	2	1	Flake fragment		Very uniform thickness across artifact	LTF
SFA99-165j	K	1	1	Flake fragment		Probable blade fragment; flakes removed on dorsal and ventral surfaces	LPC
SFA99-170f	L	1	1	Flake fragment		No platform, but most of bulb on ventral surface present	EC*
SFA99-045k	E	1	2	Flake fragment			EC
SFA99-068b	F	2	4	Flake fragment			LTF

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-114e	G	2	4	Flake fragment			LTF
SFA99-117i	G	3	2	Flake fragment			EC
SFA99-035a	B	6	2	Flake fragment			EC
SFA99-085d	F	5	5W	Flake fragment			LTF
SFA99-094n	F	7	3-F2	Flake fragment			LTF*
SFA99-095b	F	7	4	Flake fragment			LTF
SFA99-117g	G	3	2	Flake fragment		Outré passé/plunging flake	EC
SFA99-009d	A	2	4	Prismatic blade	Distal	Final-stage blade; very tip broken off	EC
SFA99-016b	A	4	3	Prismatic blade	Distal	Final-stage blade; outré passé curve; very tip present; snap tab at proximal end of dorsal surface	LTF
SFA99-020f	A	5	4	Prismatic blade	Distal	Final-stage blade; hinge fracture at distal end; snap fracture at proximal end of dorsal surface	EC*
SFA99-021a	A	7	1	Prismatic blade	Distal	Final-stage blade; very tip is present	EC*
SFA99-022mm	A	7	3	Prismatic blade	Distal	Final-stage blade; snap fracture on proximal end of dorsal surface; very tip broken off	EC*
SFA99-022pp	A	7	3	Prismatic blade	Distal	Final-stage blade; very tip present	EC*
SFA99-023a	A	7	4	Prismatic blade	Distal	Distal end of SFA99-020a - forms complete blade; outré passé curve	EC*
SFA99-029h	B	3	1	Prismatic blade	Distal	Final-stage blade; tip comes to a point	EC

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-042e	D	1	1	Prismatic blade	Distal	Final-stage blade; very angled tip; single facet on angled tip	EC
SFA99-045d	E	1	2	Prismatic blade	Distal	Final-stage blade; outré passé curve; very tip snapped off	EC
SFA99-045g	E	1	2	Prismatic blade	Distal	Final-stage blade; hinge fracture at distal end - angled tip	EC
SFA99-046d	E	1	3	Prismatic blade	Distal	Final-stage blade; slight outré passé curve	EC
SFA99-055c	E	2	1	Prismatic blade	Distal	Final-stage blade; slight outré passé curve; very tip broken off	EC
SFA99-057j	E	2	3	Prismatic blade	Distal	Final-stage blade; at bottom of core - several arrises on dorsal surface	EC
SFA99-088b	F	6	2	Prismatic blade	Distal	Final-stage blade; snap tab on proximal end of dorsal surface; very tip broken off	LTF
SFA99-089b	F	6	3-F2	Prismatic blade	Distal	Final-stage blade; slight outré passé curve; very tip snapped off	LTF*
SFA99-094d	F	7	3-F2	Prismatic blade	Distal	Final-stage blade; angled tip	LTF*
SFA99-099c	F	8	2	Prismatic blade	Distal	Final-stage blade; very tip present; angled tip	LTF
SFA99-108a	G	1	5	Prismatic blade	Distal	Final-stage blade; very tip broken off	LTF
SFA99-150h	I	3	3N	Prismatic blade	Distal	Final-stage blade; very tip present - slightly angled	LTF
SFA99-151c	I	3	2N	Prismatic blade	Distal	Final-stage blade; very tip broken off	LPC
SFA99-151f	I	3	2N	Prismatic blade	Distal	Final-stage blade; snap tab on proximal end of dorsal surface; very tip broken off	LPC
SFA99-151g	I	3	2N	Prismatic blade	Distal	Final-stage blade	LPC
SFA99-152d	I	4	1	Prismatic blade	Distal	Final-stage blade; very distal tip	LPC

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-154a	I	4	3	Prismatic blade	Distal	Final-stage blade; flat facet at distal end of blade	LTF
SFA99-154g	I	4	3	Prismatic blade	Distal	Final-stage blade; very tip broken off	LTF
SFA99-154h	I	4	3	Prismatic blade	Distal	Final-stage blade; tip angled back onto ventral surface	LTF
SFA99-160d	J	2	1	Prismatic blade	Distal	Probable final-stage blade near distal end of blade or prismatic core; distal end retouched into a scraper	LPC
SFA99-161d	J	3	1	Prismatic blade	Distal	Final-stage blade; small facet on very distal tip	LPC
SFA99-165h	K	1	1	Prismatic blade	Distal	Final-stage blade; angled distal tip; single facet on tip	LPC
SFA99-166c	K	1	2	Prismatic blade	Distal	Final-stage blade; snap tab on proximal end of dorsal surface; distal end retouched into a scraper	LPC
SFA99-171c	L	1	2	Prismatic blade	Distal	Final-stage blade; single facet on distal tip - ground; may indicate bipolar core reduction?; outré passé curve	EC*
SFA99-174d	L	1	5	Prismatic blade	Distal	Final-stage blade; very tip comes to a point; slight outré passé curve; small snap tab on proximal end of ventral surface	EC*
SFA99-180c	L	2	4	Prismatic blade	Distal	Final-stage blade; angled end - cortex?	EC*
SFA99-005g	A	2	1	Prismatic blade	Distal	Final-stage blade; snap tab at proximal end of dorsal surface; distal end intact	EC
SFA99-022d	A	7	2	Prismatic blade	Distal	Final-stage blade; single facet at distal end - appears ground	EC*
SFA99-029c	B	3	1	Prismatic blade	Distal	Final-stage blade; single facet at very distal tip	EC
SFA99-171g	L	1	2	Prismatic blade	Distal	Final-stage blade; single facet on distal tip; slight outré passé curve	EC*

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-139b	H	2	1	Prismatic blade	Distal	Final-stage blade; very tip broken off; comes to a point	LTF
SFA99-149a	I	3	1	Prismatic blade	Distal	Final-stage blade; outré passé curve; very tip flaked somewhat - not a tool though	LPC
SFA99-001b	A	1	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EC
SFA99-001f	A	1	1	Prismatic blade	Medial	Final-stage blade; snap fracture at distal end of dorsal surface	EC
SFA99-001g	A	1	1	Prismatic blade	Medial	Final-stage blade	EC
SFA99-001h	A	1	1	Prismatic blade	Medial	Final-stage blade	EC
SFA99-001i	A	1	1	Prismatic blade	Medial	Final-stage blade	EC
SFA99-002b	A	1	2-East	Prismatic blade	Medial	Final-stage blade	EC
SFA99-002c	A	1	2-East	Prismatic blade	Medial	Final-stage blade	EC
SFA99-002d	A	1	2-East	Prismatic blade	Medial	Final-stage blade	EC
SFA99-002e	A	1	2-East	Prismatic blade	Medial	Final-stage blade; snap tab at proximal end of dorsal surface	EC
SFA99-003a	A	1-East	30-60 cmbd	Prismatic blade	Medial	Final-stage blade	EC
SFA99-004a	A	1-West	20-60 cmbd	Prismatic blade	Medial	Final-stage blade	EC
SFA99-004b	A	1-West	20-60 cmbd	Prismatic blade	Medial	Final-stage blade; snap tab on distal end of dorsal surface	EC
SFA99-005c	A	2	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of ventral surface	EC

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-005d	A	2	1	Prismatic blade	Medial	Final-stage blade	EC
SFA99-005e	A	2	1	Prismatic blade	Medial	Final-stage blade	EC
SFA99-005f	A	2	1	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EC
SFA99-005h	A	2	1	Prismatic blade	Medial	Final-stage blade; snap fracture at distal end of dorsal surface	EC
SFA99-005i	A	2	1	Prismatic blade	Medial	Final-stage blade	EC
SFA99-005j	A	2	1	Prismatic blade	Medial	Final-stage blade	EC
SFA99-005k	A	2	1	Prismatic blade	Medial	Final-stage blade; snap fracture at distal end of dorsal surface	EC
SFA99-006a	A	2	2	Prismatic blade	Medial	Final-stage blade	EC
SFA99-006c	A	2	2	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EC
SFA99-006d	A	2	2	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EC
SFA99-006e	A	2	2	Prismatic blade	Medial	Final-stage blade; snap tabs on proximal and distal ends of dorsal surface	EC
SFA99-007c	A	2	3	Prismatic blade	Medial	Final-stage blade	EC
SFA99-007d	A	2	3	Prismatic blade	Medial	Final-stage blade	EC
SFA99-007e	A	2	3	Prismatic blade	Medial	Final-stage blade	EC
SFA99-008a	A	2	4	Prismatic blade	Medial	Final-stage blade; snap fracture at proximal end of dorsal surface	EC
SFA99-009b	A	2	4	Prismatic blade	Medial	Final-stage blade; snap fractures at both proximal and distal ends on dorsal surface	EC

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-009c	A	2	4	Prismatic blade	Medial	Final-stage blade; small snap fracture at proximal end of dorsal surface	EC
SFA99-011a	A	3	1	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of ventral surface	EC
SFA99-011b	A	3	1	Prismatic blade	Medial	Final-stage blade	EC
SFA99-011c	A	3	1	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EC
SFA99-012b	A	3	2	Prismatic blade	Medial	Final-stage blade	EC
SFA99-013a	A	3	3	Prismatic blade	Medial	Final-stage blade; snap tab at proximal end of dorsal surface	LTF
SFA99-015d	A	4	2	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-017b	A	5	1	Prismatic blade	Medial	Final-stage blade; snap fracture at distal end on dorsal surface	EC*
SFA99-017c	A	5	1	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-018a	A	5	2	Prismatic blade	Medial	Final-stage blade; small snap fracture at proximal end of dorsal surface	EC*
SFA99-018b	A	5	2	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-018c	A	5	2	Prismatic blade	Medial	Final-stage blade; hinge fracture at proximal end of dorsal surface	EC*
SFA99-018f	A	5	2	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-019b	A	5	3	Prismatic blade	Medial	Final-stage blade; hinge fracture at proximal end of ventral surface	EC*
SFA99-019c	A	5	3	Prismatic blade	Medial	Final-stage blade; snap tabs at proximal and distal ends of dorsal surface	EC*
SFA99-020b	A	5	4	Prismatic blade	Medial	Final-stage blade; small snap fracture at distal end of dorsal surface	EC*

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-020c	A	5	4	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-020d	A	5	4	Prismatic blade	Medial	Final-stage blade; small snap tab at distal end of dorsal surface	EC*
SFA99-020e	A	5	4	Prismatic blade	Medial	Final-stage blade; snap fractures at both proximal and distal ends on dorsal surface	EC*
SFA99-020g	A	5	4	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-020h	A	5	4	Prismatic blade	Medial	Final-stage blade; snap fractures at both proximal and distal ends on dorsal surface	EC*
SFA99-020i	A	5	4	Prismatic blade	Medial	Final-stage blade; small snap tab at distal end of dorsal surface	EC*
SFA99-020j	A	5	4	Prismatic blade	Medial	Final-stage blade; small snap fracture at distal end of dorsal surface	EC*
SFA99-020k	A	5	4	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-020m	A	5	4	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-020n	A	5	4	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-020o	A	5	4	Prismatic blade	Medial	Final-stage blade; small snap tab at proximal end of dorsal surface	EC*
SFA99-021b	A	7	1	Prismatic blade	Medial	Final-stage blade; snap fractures at proximal and distal ends of ventral surface	EC*
SFA99-021d	A	7	1	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-021f	A	7	1	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-021h	A	7	1	Prismatic blade	Medial	Final-stage blade	EC*

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-021i	A	7	1	Prismatic blade	Medial	Final-stage blade; partial tongue flake present at distal end on ventral surface (see Clark and Bryant 1997:122, 124)	EC*
SFA99-022a	A	7	2	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-022aa	A	7	3	Prismatic blade	Medial	Final-stage blade; snap tab at distal end of dorsal surface; snap fracture at proximal end of dorsal surface	EC*
SFA99-022b	A	7	3	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-022bb	A	7	3	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-022c	A	7	2	Prismatic blade	Medial	Final-stage blade; snap tab at proximal end of dorsal surface	EC*
SFA99-022cc	A	7	3	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-022e	A	7	3	Prismatic blade	Medial	Final-stage blade; snap fracture at proximal end of dorsal surface	EC*
SFA99-022ee	A	7	3	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-022f	A	7	2	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-022f	A	7	3	Prismatic blade	Medial	Final-stage blade; snap fractures at proximal and distal ends of dorsal surface	EC*
SFA99-022ff	A	7	3	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-022g	A	7	2	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-022g	A	7	3	Prismatic blade	Medial	Final-stage blade; snap fractures at proximal and distal ends of dorsal surface	EC*
SFA99-022gg	A	7	3	Prismatic blade	Medial	Final-stage blade	EC*

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-022h	A	7	2	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-022h	A	7	3	Prismatic blade	Medial	Final-stage blade; snap tab at proximal end of dorsal surface	EC*
SFA99-022i	A	7	2	Prismatic blade	Medial	Final-stage blade; small snap tab on proximal end of dorsal surface	EC*
SFA99-022ii	A	7	3	Prismatic blade	Medial	Final-stage blade; longitudinal fragment	EC*
SFA99-022j	A	7	2	Prismatic blade	Medial	Final-stage blade; small snap tab on proximal end of dorsal surface	EC*
SFA99-022j	A	7	3	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-022k	A	7	2	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-022k	A	7	3	Prismatic blade	Medial	Final-stage blade; snap tab at proximal end of ventral surface	EC*
SFA99-022l	A	7	3	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-022ll	A	7	3	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-022n	A	7	2	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-022nn	A	7	3	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-022o	A	7	3	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-022oo	A	7	3	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface; snap fracture on distal end of dorsal surface	EC*
SFA99-022p	A	7	3	Prismatic blade	Medial	Final-stage blade; snap fracture at distal end on dorsal surface	EC*

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-022q	A	7	3	Prismatic blade	Medial	Final-stage blade; snap fracture at proximal end of dorsal surface	EC*
SFA99-022qq	A	7	3	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-022r	A	7	3	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-022rr	A	7	3	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-022t	A	7	3	Prismatic blade	Medial	Final-stage blade; snap fracture at distal end on dorsal surface	EC*
SFA99-022w	A	7	3	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-022x	A	7	3	Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of ventral surface	EC*
SFA99-022y	A	7	3	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-023d	A	7	4	Prismatic blade	Medial	Final-stage blade; snap fracture at proximal end of dorsal surface	EC*
SFA99-023e	A	7	4	Prismatic blade	Medial	Final-stage blade; snap fractures on proximal and distal ends of dorsal surface	EC*
SFA99-023f	A	7	4	Prismatic blade	Medial	Final-stage blade; snap tab at proximal end of dorsal surface; near distal end	EC*
SFA99-023h	A	7	4	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-023j	A	7	4	Prismatic blade	Medial	Final-stage blade; bulb on ventral surface; flake scars on dorsal surface	EC*
SFA99-023k	A	7	4	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-023kk	A	7	4	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EC*

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-023l	A	7	4	Prismatic blade	Medial	Final-stage blade; flake scars on dorsal surface; remnants of snap fracture at distal end	EC*
SFA99-023ll	A	7	4	Prismatic blade	Medial	Final-stage blade; small snap tabs on proximal end of ventral surface and distal end of dorsal surface	EC*
SFA99-023m	A	7	4	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-023n	A	7	4	Prismatic blade	Medial	Final-stage blade; scarring on dorsal surface	EC*
SFA99-024b	A	7	5	Prismatic blade	Medial	Final-stage blade; ripples down arrises on dorsal surface	EC*
SFA99-024c	A	7	5	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-024d	A	7	5	Prismatic blade	Medial	Final-stage blade; irregular arrises and asymmetrical lateral margins	EC*
SFA99-024g	A	7	5	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-025a	B	1	1	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	EC
SFA99-025d	B	1	1	Prismatic blade	Medial	Final-stage blade	EC
SFA99-025f	B	1	1	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of ventral surface	EC
SFA99-026b	B	1	2	Prismatic blade	Medial	Final-stage blade	EC
SFA99-029e	B	3	1	Prismatic blade	Medial	Final-stage blade	EC
SFA99-029i	B	3	1	Prismatic blade	Medial	Final-stage blade	EC
SFA99-031a	B	4	1	Prismatic blade	Medial	Final-stage blade; snap fracture at distal end of dorsal surface	EC

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-031b	B	4	1	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	EC
SFA99-031c	B	4	1	Prismatic blade	Medial	Final-stage blade	EC
SFA99-032a	B	5	1	Prismatic blade	Medial	Final-stage blade	EC
SFA99-033b	B	5	3	Prismatic blade	Medial	Probably a longitudinal fragment of a prismatic blade	EC
SFA99-042a	D	1	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EC
SFA99-043a	D	1	2	Prismatic blade	Medial	Final-stage blade	EC
SFA99-043b	D	1	2	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of ventral surface	EC
SFA99-044a	E	1	1	Prismatic blade	Medial	Final-stage blade	EC
SFA99-044b	E	1	1	Prismatic blade	Medial	Final-stage blade	EC
SFA99-044c	E	1	1	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EC
SFA99-045a	E	1	2	Prismatic blade	Medial	Final-stage blade	EC
SFA99-045c	E	1	2	Prismatic blade	Medial	Final-stage blade	EC
SFA99-045e	E	1	2	Prismatic blade	Medial	Final-stage blade	EC
SFA99-045f	E	1	2	Prismatic blade	Medial	Final-stage blade; one lateral margin fractured off	EC
SFA99-045h	E	1	2	Prismatic blade	Medial	Final-stage blade	EC
SFA99-045i	E	1	2	Prismatic blade	Medial	Final-stage blade	EC

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-046a	E	1	3	Prismatic blade	Medial	Final-stage blade	EC
SFA99-046c	E	1	3	Prismatic blade	Medial	Final-stage blade	EC
SFA99-046f	E	1	3	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EC
SFA99-046g	E	1	3	Prismatic blade	Medial	Final-stage blade	EC
SFA99-046h	E	1	3	Prismatic blade	Medial	Final-stage blade	EC
SFA99-047a	E	1	4	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-047b	E	1	4	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-047c	E	1	4	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-048a	E	1	5	Prismatic blade	Medial	Final-stage blade; snap tabs on proximal and distal ends of ventral surface	LTF
SFA99-052a	E	1	15	Prismatic blade	Medial	Sliver of a fragment of a prismatic blade	LF*
SFA99-055b	E	2	1	Prismatic blade	Medial	Final-stage blade	EC
SFA99-055d	E	2	1	Prismatic blade	Medial	Final-stage blade	EC
SFA99-055e	E	2	1	Prismatic blade	Medial	Final-stage blade	EC
SFA99-055f	E	2	1	Prismatic blade	Medial	Final-stage blade	EC
SFA99-055g	E	2	1	Prismatic blade	Medial	Final-stage blade	EC
SFA99-055h	E	2	1	Prismatic blade	Medial	Final-stage blade	EC

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-055i	E	2	1	Prismatic blade	Medial	Final-stage blade	EC
SFA99-055j	E	2	1	Prismatic blade	Medial	Final-stage blade	EC
SFA99-055k	E	2	1	Prismatic blade	Medial	Final-stage blade	EC
SFA99-056b	E	2	2	Prismatic blade	Medial	Final-stage blade; snap fractures on proximal and distal ends of dorsal surface	EC
SFA99-056c	E	2	2	Prismatic blade	Medial	Final-stage blade	EC
SFA99-056d	E	2	2	Prismatic blade	Medial	Final-stage blade; small snap tab on proximal end of ventral surface	EC
SFA99-056e	E	2	2	Prismatic blade	Medial	Final-stage blade	EC
SFA99-056f	E	2	2	Prismatic blade	Medial	Final-stage blade	EC
SFA99-056g	E	2	2	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EC
SFA99-057a	E	2	3	Prismatic blade	Medial	Final-stage blade	EC
SFA99-057b	E	2	3	Prismatic blade	Medial	Final-stage blade	EC
SFA99-057d	E	2	3	Prismatic blade	Medial	Final-stage blade	EC
SFA99-057e	E	2	3	Prismatic blade	Medial	Final-stage blade	EC
SFA99-057f	E	2	3	Prismatic blade	Medial	Final-stage blade; one lateral margin fractured off length-wise	EC
SFA99-057g	E	2	3	Prismatic blade	Medial	Final-stage blade	EC
SFA99-057h	E	2	3	Prismatic blade	Medial	Final-stage blade	EC

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-057i	E	2	3	Prismatic blade	Medial	Final-stage blade	EC
SFA99-058a	F	1	1	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-058b	F	1	1	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-059a	F	1	3W	Prismatic blade	Medial	Final-stage blade	LTF*
SFA99-062a	F	1	F3	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-063a	F	1	4E	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-064a	F	1	5W	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	LTF
SFA99-066a	F	2	2	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-066b	F	2	2	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-067a	F	2	3	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-067b	F	2	3	Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of dorsal surface	LTF
SFA99-067d	F	2	3	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-067e	F	2	3	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-067f	F	2	3	Prismatic blade	Medial	Final-stage blade; large portion fractured off	LTF
SFA99-067g	F	2	3	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	LTF

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-069a	F	2	5	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface; snap tab on proximal end of ventral surface	LTF
SFA99-070a	F	2	6	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-070b	F	2	6	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	LTF
SFA99-071a	F	3	1	Prismatic blade	Medial	Final-stage blade; small snap tab on distal end of ventral surface	LTF
SFA99-073a	F	3	3	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	LTF*
SFA99-073b	F	3	3	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	LTF*
SFA99-074a	F	3	4-F2	Prismatic blade	Medial	Final-stage blade	LTF*
SFA99-076a	F	3	5	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	LTF
SFA99-077a	F	3	6	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	LTF
SFA99-077b	F	3	6	Prismatic blade	Medial	Final-stage blade; small fragment snapped from larger piece	LTF
SFA99-078a	F	4	1	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-081a	F	5	2	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-082b	F	5	3-F2	Prismatic blade	Medial	Final-stage blade	LTF*
SFA99-083a	F	5	5N	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-084a	F	5	5E	Prismatic blade	Medial	Final-stage blade	LTF

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-085a	F	5	5W	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-085b	F	5	5W	Prismatic blade	Medial	Final-stage blade; snap tab on distal end of dorsal surface	LTF
SFA99-085c	F	5	5W	Prismatic blade	Medial	Final-stage blade; portion of a bowtie flake from snapping blades (see Clark and Bryant 1997)	LTF
SFA99-088c	F	6	2	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	LTF
SFA99-088d	F	6	2	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-088e	F	6	2	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	LTF
SFA99-088f	F	6	2	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-088g	F	6	2	Prismatic blade	Medial	Final-stage blade; pressure flakes removed from distal end of ventral surface	LTF
SFA99-088h	F	6	2	Prismatic blade	Medial	Final-stage blade; several flake scars on dorsal surface; distal end crushed	LTF
SFA99-088i	F	6	2	Prismatic blade	Medial	Final-stage blade; small snap tab on proximal end of ventral surface	LTF
SFA99-088j	F	6	2	Prismatic blade	Medial	Final-stage blade; small snap tab on proximal end of dorsal surface	LTF
SFA99-089a	F	6	3-F2	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	LTF*
SFA99-089c	F	6	3-F2	Prismatic blade	Medial	Final-stage blade	LTF*
SFA99-090a	F	6	4	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-090b	F	6	4	Prismatic blade	Medial	Final-stage blade	LTF

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-090c	F	6	4	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-093b	F	7	2	Prismatic blade	Medial	Final-stage blade; snap fractures on proximal and distal ends of dorsal surface	LTF
SFA99-094a	F	7	3-F2	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	LTF*
SFA99-094b	F	7	3-F2	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	LTF*
SFA99-094c	F	7	3-F2	Prismatic blade	Medial	Final-stage blade; snap tab on distal end of dorsal surface	LTF*
SFA99-094e	F	7	3-F2	Prismatic blade	Medial	Final-stage blade; fractured diagonally across blade	LTF*
SFA99-096a	F	7	5	Prismatic blade	Medial	Final-stage blade; large flake on dorsal surface; lateral margins fractured	LTF*
SFA99-099a	F	8	2	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-099b	F	8	2	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-099d	F	8	2	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-099e	F	8	2	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-099f	F	8	2	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-100a	F	8	3-F2	Prismatic blade	Medial	Final-stage blade	LTF*
SFA99-101a	F	8	4	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	LTF
SFA99-107a	G	1	4	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface; large pressure flake removed from distal end of dorsal surface	LTF

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-107b	G	1	4	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-109a	G	2	1	Prismatic blade	Medial	Final-stage blade; small snap fracture on proximal end of ventral surface; snap tab on distal end of dorsal surface	EC
SFA99-110a	G	2	2	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	EC
SFA99-111a	G	2	2a	Prismatic blade	Medial	Final-stage blade; small snap fracture on proximal end of dorsal surface	EC
SFA99-112b	G	2	3	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-112c	G	2	3	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-114a	G	2	4	Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of dorsal surface	LTF
SFA99-114b	G	2	4	Prismatic blade	Medial	Final-stage blade; ventral surface covered in percussion ripple marks	LTF
SFA99-115a	G	3	1	Prismatic blade	Medial	Final-stage blade	EC
SFA99-117a	G	3	2	Prismatic blade	Medial	Final-stage blade	EC
SFA99-117b	G	3	2	Prismatic blade	Medial	Final-stage blade; small snap tab on proximal end of ventral surface	EC
SFA99-117c	G	3	2	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EC
SFA99-117d	G	3	2	Prismatic blade	Medial	Final-stage blade	EC
SFA99-117e	G	3	2	Prismatic blade	Medial	Final-stage blade; snap tabs on proximal and distal ends of dorsal surface	EC
SFA99-117f	G	3	2	Prismatic blade	Medial	Final-stage blade	EC

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-118a	G	5	1	Prismatic blade	Medial	Final-stage blade	EC
SFA99-119a	G	5	2	Prismatic blade	Medial	Final-stage blade; snap fractures on proximal and distal ends of dorsal surface	EC
SFA99-121b	G	5	3	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-122b	G	6	1	Prismatic blade	Medial	Final-stage blade	EC
SFA99-122c	G	6	1	Prismatic blade	Medial	Final-stage blade	EC
SFA99-122d	G	6	1	Prismatic blade	Medial	Final-stage blade	EC
SFA99-122f	G	6	1	Prismatic blade	Medial	Final-stage blade; small snap fracture on proximal end of ventral surface	EC
SFA99-123a	G	6	2	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EC
SFA99-126a	G	7	1	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EC
SFA99-129b	G	7	3	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-129c	G	7	3	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-129d	G	7	3	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-133a	G	8	1	Prismatic blade	Medial	Final-stage blade	EC
SFA99-134a	G	8	2	Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of dorsal surface	LTF
SFA99-138a	H	1	2	Prismatic blade	Medial	Final-stage blade; small snap tab on proximal end of dorsal surface	LTF
SFA99-138b	H	1	2	Prismatic blade	Medial	Final-stage blade	LTF

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-138e	H	1	2	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-139a	H	2	1	Prismatic blade	Medial	Final-stage blade; beginning of outré passé curve at distal end; previous blade scar along left lateral margin, about 1/2 way down blade; snap fracture on proximal end of ventral surface; large flake removed at distal end of dorsal surface	LTF
SFA99-140a	H	3	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	LTF
SFA99-140b	H	3	1	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-142a	H	4	1	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	LTF
SFA99-142b	H	4	1	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-142d	H	4	1	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-142e	H	4	1	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-144a	I	1	1	Prismatic blade	Medial	Final-stage blade	LPC
SFA99-144c	I	1	1	Prismatic blade	Medial	Final-stage blade	LPC
SFA99-144d	I	1	1	Prismatic blade	Medial	Final-stage blade	LPC
SFA99-144e	I	1	1	Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of dorsal surface	LPC
SFA99-145a	I	1	2	Prismatic blade	Medial	Final-stage blade	LPC
SFA99-145b	I	1	2	Prismatic blade	Medial	Final-stage blade	LPC

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-146b	I	1	3	Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of dorsal surface	LPC
SFA99-146c	I	1	3	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	LPC
SFA99-146d	I	1	3	Prismatic blade	Medial	Final-stage blade; small snap tab on proximal end of ventral surface	LPC
SFA99-148b	I	2	1	Prismatic blade	Medial	Final-stage blade; partial snap fracture on proximal end of dorsal surface	LPC
SFA99-148c	I	2	1	Prismatic blade	Medial	Final-stage blade; snap tabs on proximal and distal ends of dorsal surface	LPC
SFA99-148d	I	2	1	Prismatic blade	Medial	Final-stage blade	LPC
SFA99-149b	I	3	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	LPC
SFA99-150b	I	3	3N	Prismatic blade	Medial	Final-stage blade; snap tab on distal end of dorsal surface	LTF
SFA99-150c	I	3	3N	Prismatic blade	Medial	Final-stage blade; snap fractures on proximal and distal ends of dorsal surface	LTF
SFA99-150d	I	3	3N	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-150f	I	3	3N	Prismatic blade	Medial	Final-stage blade; near distal end - several extra arrises on dorsal surface	LTF
SFA99-150g	I	3	3N	Prismatic blade	Medial	Final-stage blade; modified into tool - proximal half of blade flaked off to arrises forming a type of drill/awl/punch tool	LTF
SFA99-150i	I	3	3N	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	LTF
SFA99-150j	I	3	3N	Prismatic blade	Medial	Final-stage blade; near distal end	LTF
SFA99-150k	I	3	3N	Prismatic blade	Medial	Final-stage blade	LTF

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-151a	I	3	2N	Prismatic blade	Medial	Final-stage blade; flake scar on proximal end of dorsal side	LPC
SFA99-151b	I	3	2N	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	LPC
SFA99-151e	I	3	2N	Prismatic blade	Medial	Final-stage blade	LPC
SFA99-151h	I	3	2N	Prismatic blade	Medial	Final-stage blade	LPC
SFA99-152a	I	4	1	Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of dorsal surface	LPC
SFA99-153a	I	4	2	Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of dorsal surface	LPC
SFA99-153d	I	4	2	Prismatic blade	Medial	Final-stage blade; snap tabs on proximal and distal ends of dorsal surface	LPC
SFA99-154aa	I	4	3	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-154b	I	4	3	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	LTF
SFA99-154bb	I	4	3	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-154c	I	4	3	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	LTF
SFA99-154cc	I	4	3	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	LTF
SFA99-154dd	I	4	3	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of ventral surface	LTF
SFA99-154e	I	4	3	Prismatic blade	Medial	Final-stage blade; small snap fracture on proximal end of dorsal surface	LTF
SFA99-154f	I	4	3	Prismatic blade	Medial	Final-stage blade; small snap tab on distal end of dorsal surface	LTF
SFA99-154i	I	4	3	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	LTF

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-154j	I	4	3	Prismatic blade	Medial	Final-stage blade; small snap tab on proximal end of dorsal surface	LTF
SFA99-154m	I	4	3	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-154n	I	4	3	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface; small snap tab on distal end of ventral surface	LTF
SFA99-154o	I	4	3	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface; snap tab on distal end of dorsal surface	LTF
SFA99-154p	I	4	3	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-154q	I	4	3	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-154r	I	4	3	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-154s	I	4	3	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-154t	I	4	3	Prismatic blade	Medial	Final-stage blade; small snap tab on proximal end of dorsal surface	LTF
SFA99-154u	I	4	3	Prismatic blade	Medial	Final-stage blade; partial snap fracture on proximal end of dorsal surface	LTF
SFA99-154v	I	4	3	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-154w	I	4	3	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	LTF
SFA99-154x	I	4	3	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-154y	I	4	3	Prismatic blade	Medial	Final-stage blade; snap fractures on proximal and distal ends of dorsal surface	LTF
SFA99-154z	I	4	3	Prismatic blade	Medial	Final-stage blade	LTF

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-155a	I	4	4	Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of dorsal surface	LTF
SFA99-155b	I	4	4	Prismatic blade	Medial	Final-stage blade; small snap fractures on distal end of dorsal surface and proximal end of ventral surface	LTF
SFA99-155d	I	4	4	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface; snap fracture on distal end of dorsal surface	LTF
SFA99-155e	I	4	4	Prismatic blade	Medial	Final-stage blade; snap fractures on proximal and distal ends of dorsal surface	LTF
SFA99-155f	I	4	4	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-155g	I	4	4	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end	LTF
SFA99-155h	I	4	4	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-155i	I	4	4	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-155j	I	4	4	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-156a	I	4	5	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-159a	J	1	1	Prismatic blade	Medial	Final-stage blade; snap tab on distal end of dorsal surface	LPC
SFA99-159b	J	1	1	Prismatic blade	Medial	Final-stage blade; snap tabs on proximal and distal ends of dorsal surface	LPC
SFA99-160b	J	2	1	Prismatic blade	Medial	Final-stage blade; small snap tab on proximal end of dorsal surface	LPC
SFA99-161c	J	3	1	Prismatic blade	Medial	Final-stage blade	LPC
SFA99-161e	J	3	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	LPC

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-161f	J	3	1	Prismatic blade	Medial	Final-stage blade	LPC
SFA99-161g	J	3	1	Prismatic blade	Medial	Final-stage blade	LPC
SFA99-161h	J	3	1	Prismatic blade	Medial	Final-stage blade	LPC
SFA99-161i	J	3	1	Prismatic blade	Medial	Final-stage blade	LPC
SFA99-161j	J	3	1	Prismatic blade	Medial	Final-stage blade	LPC
SFA99-162a	J	5	2	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	LPC
SFA99-162b	J	5	2	Prismatic blade	Medial	Final-stage blade	LPC
SFA99-163b	J	5	3	Prismatic blade	Medial	Final-stage blade; partial snap fracture on proximal end of dorsal surface	LPC
SFA99-163c	J	5	3	Prismatic blade	Medial	Final-stage blade; near distal end	LPC
SFA99-163d	J	5	3	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	LPC
SFA99-164a	J	6	1	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	LPC
SFA99-164b	J	6	1	Prismatic blade	Medial	Final-stage blade; very large and thick; slight curve in the blade, seen in the lateral margins	LPC
SFA99-165a	K	1	1	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	LPC
SFA99-165ae	K	1	1	Prismatic blade	Medial	Final-stage blade; partial snap fracture on proximal end of dorsal surface	LPC
SFA99-165d	K	1	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	LPC
SFA99-165f	K	1	1	Prismatic blade	Medial	Final-stage blade	LPC

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-166a	K	1	2	Prismatic blade	Medial	Final-stage blade; snap fractures on proximal and distal ends of dorsal surface	LPC
SFA99-166b	K	1	2	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface; small pressure flake removed from distal end of dorsal surface	LPC
SFA99-167a	K	1	3	Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of ventral surface	LPC
SFA99-168a	K	1	4	Prismatic blade	Medial	Final-stage blade	LC
SFA99-168b	K	1	4	Prismatic blade	Medial	Final-stage blade	LC
SFA99-169a	K	1	5	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	ETF
SFA99-170c	L	1	1	Prismatic blade	Medial	Final-stage blade; small snap tab on proximal end of ventral surface	EC*
SFA99-170d	L	1	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface; small snap tab on distal end of dorsal surface	EC*
SFA99-170e	L	1	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on distal end of dorsal surface	EC*
SFA99-171b	L	1	2	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EC*
SFA99-171e	L	1	2	Prismatic blade	Medial	Final-stage blade; snap fractures on proximal and distal ends of dorsal surface	EC*
SFA99-171f	L	1	2	Prismatic blade	Medial	Final-stage blade; partial, very small snap tab on proximal and of dorsal surface and partial, very small snap fracture on distal end of dorsal surface	EC*
SFA99-171h	L	1	2	Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of dorsal surface	EC*
SFA99-171i	L	1	2	Prismatic blade	Medial	Final-stage blade	EC*

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-171j	L	1	2	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-171k	L	1	2	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-172a	L	1	3	Prismatic blade	Medial	Final-stage blade; partial snap fracture on proximal end of dorsal surface	EC*
SFA99-172b	L	1	3	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-172c	L	1	3	Prismatic blade	Medial	Final-stage blade; partial snap fracture on proximal end of ventral surface	EC*
SFA99-172d	L	1	3	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-172e	L	1	3	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of ventral surface	EC*
SFA99-173a	L	1	4	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EC*
SFA99-173b	L	1	4	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-173c	L	1	4	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-173d	L	1	4	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-173e	L	1	4	Prismatic blade	Medial	Final-stage blade; snap tab on distal end of dorsal surface	EC*
SFA99-173f	L	1	4	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-173g	L	1	4	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	EC*
SFA99-174a	L	1	5	Prismatic blade	Medial	Final-stage blade	EC*

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-174b	L	1	5	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface; snap tab on proximal end of ventral surface	EC*
SFA99-174e	L	1	5	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-175a	L	1	6	Prismatic blade	Medial	Final-stage blade; partial snap fracture on distal end of dorsal surface	EC*
SFA99-175b	L	1	6	Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of ventral surface	EC*
SFA99-175c	L	1	6	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-175d	L	1	6	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EC*
SFA99-176a	L	1	7	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of ventral surface	EC*
SFA99-176b	L	1	7	Prismatic blade	Medial	Final-stage blade; small snap tabs on proximal and distal ends of ventral surface	EC*
SFA99-176c	L	1	7	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-176d	L	1	7	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-177a	L	1	8	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of ventral surface	EC*
SFA99-178b	L	2	2	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-178c	L	2	2	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of ventral surface	EC*
SFA99-178d	L	2	2	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-179a	L	2	3	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of ventral surface	EC*

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-179c	L	2	3	Prismatic blade	Medial	Final-stage blade; snap fractures on proximal and distal ends of dorsal surface	EC*
SFA99-179d	L	2	3	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of ventral surface; snap fracture on distal end of dorsal surface	EC*
SFA99-179e	L	2	3	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EC*
SFA99-179f	L	2	3	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-179g	L	2	3	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	EC*
SFA99-179h	L	2	3	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	EC*
SFA99-179j	L	2	3	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-180b	L	2	4	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-180e	L	2	4	Prismatic blade	Medial	Final-stage blade; partial snap fracture on distal end of dorsal surface	EC*
SFA99-181a	L	2	5	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EC*
SFA99-181b	L	2	5	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EC*
SFA99-181c	L	2	5	Prismatic blade	Medial	Final-stage blade; probably a fragment from snapping blades off	EC*
SFA99-182a	L	2	6	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	EC*
SFA99-183a	L	3	1	Prismatic blade	Medial	Final-stage blade; small partial snap tab on distal end of ventral surface	EC*
SFA99-183b	L	3	1	Prismatic blade	Medial	Final-stage blade	EC*

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-183c	L	3	1	Prismatic blade	Medial	Final-stage blade; partial snap fracture on distal end of ventral surface	EC*
SFA99-184a	L	3	2	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-184b	L	3	2	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-184c	L	3	2	Prismatic blade	Medial	Final-stage blade; snap fractures on proximal and distal ends of dorsal surface	EC*
SFA99-184e	L	3	2	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface; partial snap tab on distal end of dorsal surface	EC*
SFA99-184f	L	3	2	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EC*
SFA99-184i	L	3	2	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-185b	L	3	3	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface; snap fracture on distal end of dorsal surface	EC*
SFA99-185c	L	3	3	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of ventral surface	EC*
SFA99-185d	L	3	3	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-186a	L	3	4	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-010a	A	2	5	Prismatic blade	Medial	Final-stage blade; small snap fracture at distal end of dorsal surface	EC
SFA99-014b	A	4	1	Prismatic blade	Medial	Final-stage blade; curves in and to the left	EC
SFA99-015c	A	4	2	Prismatic blade	Medial	Final-stage blade; lateral margins appear to be ground down	LTF
SFA99-165g	K	1	1	Prismatic blade	Medial	Final-stage blade; flakes removed on ventral surface	LPC

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-165i	K	1	1	Prismatic blade	Medial	Final-stage blade; flakes removed on dorsal surface	LPC
SFA99-022n	A	7	3	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-001c	A	1	1	Prismatic blade	Medial	Final-stage blade; snap tab at distal end of dorsal surface	EC
SFA99-002a	A	1	2-East	Prismatic blade	Medial	Final-stage blade	EC
SFA99-006b	A	2	2	Prismatic blade	Medial	Final-stage blade - very small!	EC
SFA99-010b	A	2	5	Prismatic blade	Medial	Final-stage blade; snap fracture at distal end of ventral surface; fractured length-wise along lateral margins	EC
SFA99-014a	A	4	1	Prismatic blade	Medial	Final-stage blade	EC
SFA99-014c	A	4	1	Prismatic blade	Medial	Final-stage blade	EC
SFA99-015f	A	4	2	Prismatic blade	Medial	Final-stage blade; small segment that has been fractured off a larger blade, probably from being snapped off	LTF
SFA99-018e	A	5	2	Prismatic blade	Medial	Final-stage blade; snap fracture at distal end of dorsal surface	EC*
SFA99-021g	A	7	1	Prismatic blade	Medial	Final-stage blade; small snap tabs at proximal and distal ends of dorsal surface	EC*
SFA99-023mm	A	7	4	Prismatic blade	Medial	Final-stage blade; curving inward (outré passé) and to the right	EC*
SFA99-025b	B	1	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EC
SFA99-026a	B	1	2	Prismatic blade	Medial	Final-stage blade; thicker distal end than normal - may be an error - convergence of multiple arrises	EC

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-029b	B	3	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EC
SFA99-029d	B	3	1	Prismatic blade	Medial	Final-stage blade; pressure scars on dorsal surface	EC
SFA99-029g	B	3	1	Prismatic blade	Medial	Final-stage blade	EC
SFA99-034a	B	6	1	Prismatic blade	Medial	Final-stage blade	EC
SFA99-034b	B	6	1	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of ventral surface	EC
SFA99-036a	B	6	3	Prismatic blade	Medial	Final-stage blade	EC
SFA99-038a	B	7	2	Prismatic blade	Medial	Final-stage blade; near distal end	EC
SFA99-039a	B	9	1	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface; small snap fracture on distal end of dorsal surface	EC
SFA99-040a	B	9	2	Prismatic blade	Medial	Final-stage blade	EC
SFA99-067c	F	2	3	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface; snap tab on proximal end of dorsal surface	LTF
SFA99-089d	F	6	3-F2	Prismatic blade	Medial	Final-stage blade; sliver fractured off of blade	LTF*
SFA99-094f	F	7	3-F2	Prismatic blade	Medial	Final-stage blade	LTF*
SFA99-097a	F	7	5	Prismatic blade	Medial	Final-stage blade; partial fragment near distal end; fractured along lateral margins	LTF*
SFA99-105a	G	1	2	Prismatic blade	Medial	Final-stage blade; highly fractured - large flake removed from ventral surface	EC
SFA99-112a	G	2	3	Prismatic blade	Medial	Final-stage blade; highly fractured	LTF

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-120a	G	5	2	Prismatic blade	Medial	Final-stage blade	EC
SFA99-122e	G	6	1	Prismatic blade	Medial	Final-stage blade	EC
SFA99-129a	G	7	3	Prismatic blade	Medial	Final-stage blade; small flakes removed on ventral surface	LTF
SFA99-133b	G	8	1	Prismatic blade	Medial	Final-stage blade; near distal end - slight outré passé curve	EC
SFA99-136a	G	8	4	Prismatic blade	Medial	Final-stage blade; large snap fracture on proximal end of dorsal surface	LTF
SFA99-140c	H	3	1	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-141a	H	3	2	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-142c	H	4	1	Prismatic blade	Medial	Final-stage blade; flake scars covering ventral surface - pressure flaking?	LTF
SFA99-147a	I	1	4	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	LTF
SFA99-148e	I	2	1	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	LPC
SFA99-152b	I	4	1	Prismatic blade	Medial	Final-stage blade; ventral surface highly fractured - many flake scars	LPC
SFA99-159c	J	1	1	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	LPC
SFA99-160a	J	2	1	Prismatic blade	Medial	Final-stage blade; proximal and distal ends fractured off	LPC
SFA99-160c	J	2	1	Prismatic blade	Medial	Final-stage blade; probably from snapping blade into fragments; partial snap tab on proximal end	LPC
SFA99-166e	K	1	2	Prismatic blade	Medial	Final-stage blade	LPC

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-179i	L	2	3	Prismatic blade	Medial	Final-stage blade; fractured length-wise along arrises	EC*
SFA99-184g	L	3	2	Prismatic blade	Medial	Final-stage blade; small snap fracture on proximal end of dorsal surface	EC*
SFA99-001a	A	1	1	Prismatic blade	Medial	Final-stage blade; snap tab at proximal end on dorsal surface; snap scar on distal end of dorsal surface	EC
SFA99-001d	A	1	1	Prismatic blade	Medial	Final-stage blade	EC
SFA99-016a	A	4	3	Prismatic blade	Medial	Final-stage blade	LTF
SFA99-023g	A	7	4	Prismatic blade	Medial	Final-stage blade; small platform toward lateral margin at proximal end - causes a bulb on proximal end of ventral surface	EC*
SFA99-023o	A	7	4	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-023p	A	7	4	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-029f	B	3	1	Prismatic blade	Medial	Final-stage blade	EC
SFA99-042b	D	1	1	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface; slight curve to the right	EC
SFA99-042d	D	1	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	EC
SFA99-138d	H	1	2	Prismatic blade	Medial	Final-stage blade; small snap tab on proximal end of dorsal surface	LTF
SFA99-171d	L	1	2	Prismatic blade	Medial	Final-stage blade	EC*
SFA99-174f	L	1	5	Prismatic blade	Medial	Final-stage blade; probably section b/w snapped fragments	EC*
SFA99-039b	B	9	1	Prismatic blade	Medial	Final-stage blade	EC

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-163a	J	5	3	Prismatic blade	Medial	Final-stage blade; snap fractures on proximal and distal ends of ventral surface	LPC
SFA99-166d	K	1	2	Prismatic blade	Medial	Final-stage blade	LPC
SFA99-178a	L	2	2	Prismatic blade	Medial	Final-stage blade; snap fractures on proximal and distal ends of dorsal surface	EC*
SFA99-187a		Site 28		Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	
SFA99-025c	B	1	1	Prismatic blade	Medial	Final-stage blade	EC
SFA99-025e	B	1	1	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	EC
SFA99-028a	B	2	1	Prismatic blade	Medial	Final-stage blade; one arris cross-cutting the dorsal surface at an angle	EC
SFA99-001e	A	1	1	Prismatic blade	Proximal	Final-stage blade; platform not ground; overhang removal; snap fracture at distal end of ventral surface	EC
SFA99-005b	A	2	1	Prismatic blade	Proximal	Final-stage blade; platform not ground	EC
SFA99-007a	A	2	3	Prismatic blade	Proximal	Final-stage blade; platform not ground; possible overhang removal	EC
SFA99-007b	A	2	3	Prismatic blade	Proximal	Final-stage blade; platform not ground	EC
SFA99-012a	A	3	2	Prismatic blade	Proximal	Final-stage blade; very edge of platform appears ground - may simple be from retouching edge or grinding to create a less brittle edge	EC
SFA99-015a	A	4	2	Prismatic blade	Proximal	Final-stage blade; platform not ground	LTF
SFA99-015e	A	4	2	Prismatic blade	Proximal	Final-stage blade; platform slightly scored	LTF

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-018d	A	5	2	Prismatic blade	Proximal	Final-stage blade; most of platform is crushed	EC*
SFA99-019a	A	5	3	Prismatic blade	Proximal	Final-stage blade; platform slightly scored; snap tab at distal end on dorsal surface; minimal overhang removal	EC*
SFA99-019d	A	5	3	Prismatic blade	Proximal	Final-stage blade; platform crushed	EC*
SFA99-019e	A	5	3	Prismatic blade	Proximal	Final-stage blade; platform crushed	EC*
SFA99-020a	A	5	4	Prismatic blade	Proximal	Final-stage blade; small platform - not ground; nearly complete blade; fits with SFA99-023a	EC*
SFA99-020l	A	5	4	Prismatic blade	Proximal	Final-stage blade; platform fractured off	EC*
SFA99-021c	A	7	1	Prismatic blade	Proximal	Final-stage blade; platform not ground	EC*
SFA99-021e	A	7	1	Prismatic blade	Proximal	Final-stage blade; platform not ground	EC*
SFA99-022a	A	7	3	Prismatic blade	Proximal	Final-stage blade; platform not ground	EC*
SFA99-022b	A	7	2	Prismatic blade	Proximal	Final-stage blade; platform not ground; some overhang removal; snap tab on distal end of dorsal surface	EC*
SFA99-022c	A	7	3	Prismatic blade	Proximal	Final-stage blade; platform scored; very edge on dorsal surface ground	EC*
SFA99-022d	A	7	3	Prismatic blade	Proximal	Final-stage blade; platform scored; very edge on dorsal surface ground	EC*
SFA99-022dd	A	7	3	Prismatic blade	Proximal	Final-stage blade; platform - no scoring; overhang removal flake scar	EC*
SFA99-022e	A	7	2	Prismatic blade	Proximal	Final-stage blade; platform not ground	EC*
SFA99-022hh	A	7	3	Prismatic blade	Proximal	Final-stage blade; platform slightly scored	EC*

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-022i	A	7	3	Prismatic blade	Proximal	Final-stage blade; platform scored; overhang removal	EC*
SFA99-022jj	A	7	3	Prismatic blade	Proximal	Final-stage blade; platform scored	EC*
SFA99-022kk	A	7	3	Prismatic blade	Proximal	Final-stage blade; platform scored	EC*
SFA99-022m	A	7	3	Prismatic blade	Proximal	Final-stage blade; platform scored; very edge on dorsal surface ground	EC*
SFA99-022s	A	7	3	Prismatic blade	Proximal	Final-stage blade; platform very small	EC*
SFA99-022v	A	7	3	Prismatic blade	Proximal	Final-stage blade; small platform; asymmetrical lateral margins	EC*
SFA99-022z	A	7	3	Prismatic blade	Proximal	Final-stage blade; slightly scored platform	EC*
SFA99-023b	A	7	4	Prismatic blade	Proximal	Final-stage blade; snap fractures on proximal and distal ends of dorsal surface	EC*
SFA99-023c	A	7	4	Prismatic blade	Proximal	Final-stage blade; scored platform; dorsal edge of platform slightly ground	EC*
SFA99-023i	A	7	4	Prismatic blade	Proximal	Final-stage blade; small platform - not ground or scored	EC*
SFA99-024a	A	7	5	Prismatic blade	Proximal	Final-stage blade; platform scored; dorsal edge of platform slightly ground	EC*
SFA99-024e	A	7	5	Prismatic blade	Proximal	Final-stage blade; platform off-center - slightly fractured; bulb on ventral surface	EC*
SFA99-024f	A	7	5	Prismatic blade	Proximal	Final-stage blade; platform scored; overhang removal	EC*
SFA99-027a	B	1	3	Prismatic blade	Proximal	Final-stage blade; scored platform	EC
SFA99-029a	B	3	1	Prismatic blade	Proximal	Final-stage blade; platform not scored	EC
SFA99-033a	B	5	3	Prismatic blade	Proximal	Final-stage blade; 2 pieces; platform crushed	EC

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-042c	D	1	1	Prismatic blade	Proximal	Final-stage blade; ground platform	EC
SFA99-045b	E	1	2	Prismatic blade	Proximal	Final-stage blade; platform slightly scored	EC
SFA99-046b	E	1	3	Prismatic blade	Proximal	Final-stage blade; scored platform	EC
SFA99-046e	E	1	3	Prismatic blade	Proximal	Final-stage blade; scored platform	EC
SFA99-047d	E	1	4	Prismatic blade	Proximal	Final-stage blade; scored platform	LTF
SFA99-055a	E	2	1	Prismatic blade	Proximal	Final-stage blade; scored platform	EC
SFA99-056a	E	2	2	Prismatic blade	Proximal	Final-stage blade; no scoring on platform; some grinding on the dorsal edge of the platform; snap fracture on distal end of dorsal surface	EC
SFA99-057c	E	2	3	Prismatic blade	Proximal	Final-stage blade; platform not scored	EC
SFA99-061a	F	1	3E-F2	Prismatic blade	Proximal	Final-stage blade; platform slightly scored; small bulb on ventral surface	LTF*
SFA99-082a	F	5	3-F2	Prismatic blade	Proximal	Final-stage blade; platform not scored	LTF*
SFA99-088a	F	6	2	Prismatic blade	Proximal	Final-stage blade; slightly scored platform	LTF
SFA99-093a	F	7	2	Prismatic blade	Proximal	Final-stage blade; platform not scored; snap tab on distal end of dorsal surface	LTF
SFA99-118b	G	5	1	Prismatic blade	Proximal	Final-stage blade; very small platform - crushed; possibly scored	EC
SFA99-121a	G	5	3	Prismatic blade	Proximal	Final-stage blade; scored platform	LTF
SFA99-121c	G	5	3	Prismatic blade	Proximal	Final-stage blade; platform slightly scored	LTF

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-122a	G	6	1	Prismatic blade	Proximal	Final-stage blade; small platform - probably scored	EC
SFA99-127a	G	7	2	Prismatic blade	Proximal	Final-stage blade; platform slightly scored	EC
SFA99-144b	I	1	1	Prismatic blade	Proximal	Final-stage blade; platform not scored or ground, but dorsal edge has been ground; overhang removal?; snap tab on distal end of dorsal surface	LPC
SFA99-146a	I	1	3	Prismatic blade	Proximal	Final-stage blade; small platform - not ground or scored	LPC
SFA99-148a	I	2	1	Prismatic blade	Proximal	Final-stage blade; scored platform	LPC
SFA99-149c	I	3	1	Prismatic blade	Proximal	Final-stage blade; scored platform	LPC
SFA99-150a	I	3	3N	Prismatic blade	Proximal	Final-stage blade; scored platform	LTF
SFA99-150e	I	3	3N	Prismatic blade	Proximal	Final-stage blade; scored platform	LTF
SFA99-150l	I	3	3N	Prismatic blade	Proximal	Final-stage blade; scored platform	LTF
SFA99-151d	I	3	2N	Prismatic blade	Proximal	Final-stage blade; platform scored	LPC
SFA99-151i	I	3	2N	Prismatic blade	Proximal	Final-stage blade; platform scored	LPC
SFA99-152c	I	4	1	Prismatic blade	Proximal	Final-stage blade; platform scored	LPC
SFA99-153b	I	4	2	Prismatic blade	Proximal	Final-stage blade; slightly scored platform; irregular lateral margins	LPC
SFA99-153c	I	4	2	Prismatic blade	Proximal	Final-stage blade; ground platform	LPC
SFA99-154d	I	4	3	Prismatic blade	Proximal	Final-stage blade; very small platform - possibly scored	LTF

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-154k	I	4	3	Prismatic blade	Proximal	Final-stage blade; platform slightly scored - dorsal edge of platform ground	LTF
SFA99-154l	I	4	3	Prismatic blade	Proximal	Final-stage blade; platform scored; dorsal edge of platform ground; snap tab on distal end of ventral surface	LTF
SFA99-155c	I	4	4	Prismatic blade	Proximal	Final-stage blade; platform scored	LTF
SFA99-161b	J	3	1	Prismatic blade	Proximal	Final-stage blade; ground platform; overhang removal	LPC
SFA99-165b	K	1	1	Prismatic blade	Proximal	Final-stage blade; ground platform	LPC
SFA99-165c	K	1	1	Prismatic blade	Proximal	Final-stage blade; ground platform; overhang removal	LPC
SFA99-170a	L	1	1	Prismatic blade	Proximal	Final-stage blade; platform not ground or scored; partial snap tab on distal end of ventral surface	EC*
SFA99-170b	L	1	1	Prismatic blade	Proximal	Final-stage blade; platform slightly scored; snap fracture on distal end of dorsal surface	EC*
SFA99-171a	L	1	2	Prismatic blade	Proximal	Final-stage blade; scored platform	EC*
SFA99-174c	L	1	5	Prismatic blade	Proximal	Final-stage blade; probably early final-stage - irregular/asymmetrical lateral margins, flake/blade ripples scars on dorsal surface; scored platform	EC*
SFA99-179b	L	2	3	Prismatic blade	Proximal	Final-stage blade; very minimal scoring on platform	EC*
SFA99-180a	L	2	4	Prismatic blade	Proximal	Final-stage blade; scored platform; overhang removal?	EC*
SFA99-180d	L	2	4	Prismatic blade	Proximal	Final-stage blade; scored platform	EC*
SFA99-184h	L	3	2	Prismatic blade	Proximal	Final-stage blade; platform slightly scored; dorsal edge of platform is ground	EC*

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-184d	L	3	2	Prismatic blade	Proximal	Final-stage blade; platform slightly scored	EC*
SFA99-005a	A	2	1	Prismatic blade	Proximal	Final-stage blade; only a small portion of the platform present; fractured length-wise along both lateral margins	EC
SFA99-022u	A	7	3	Prismatic blade	Proximal	Final-stage blade; no platform but bulb on ventral surface	EC*
SFA99-126b	G	7	1	Prismatic blade	Proximal	Final-stage blade; platform scored	EC
SFA99-138c	H	1	2	Prismatic blade	Proximal	Final-stage blade; ground platform; several pressure flake scars on dorsal surface	LTF
SFA99-140d	H	3	1	Prismatic blade	Proximal	Final-stage blade; small platform - not ground or scored	LTF
SFA99-144f	I	1	1	Prismatic blade	Proximal	Final-stage blade; ground platform	LPC
SFA99-161a	J	3	1	Prismatic blade	Proximal	Final-stage blade; ground platform	LPC
SFA99-137a	H	1	1	Prismatic blade	Proximal	Final-stage blade; ground platform	LTF
SFA99-137b	H	1	1	Prismatic blade	Proximal	Final-stage blade; ground platform	LTF
SFA99-185a	L	3	3	Prismatic blade	Proximal	Final-stage blade; small platform - possibly scored	EC*
SFA99-162d	J	5	2	Projectile Point		Final-stage blade retouched into arrow or dart point; three arrises on dorsal surface; tip of point intact, but distal end snapped off - snap tab on distal end of ventral surface; possibly occurred before point was made, but may have occurred after as well	LPC

Table A.13 cont.

FS#	Op.	Lot	Lvl.	Artifact Category	Blade Segment	Notes	Dating notes
SFA99-162c	J	5	2	Projectile Point		Final-stage blade retouched into arrow or dart point; flat facets on both dorsal and ventral surfaces; hafting end rectangular; side-notched - notches not symmetrical; completely intact	LPC

Table A.14 SFA99 artifact measurements

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
SFA99-022ss	1	Green	26.18	4.94	1.62	0.32	
SFA99-045j	1	Green	25.65	27.49	5.40	2.70	
SFA99-157a	2	Green	39.66	23.40	7.64	4.91	
SFA99-041a	1	Gray	40.33	27.02	7.76	7.75	
SFA99-055l	1	Gray	31.96	13.97	5.37	2.10	
SFA99-023q	1	Gray	47.35	34.79	7.81	13.21	
SFA99-070c	2	Gray	36.04	23.70	6.00	4.49	
SFA99-022vv	1	Green	9.82	8.50	3.57	0.21	
SFA99-023nn	1	Green	20.83	19.56	8.11	3.44	
SFA99-023r	1	Green	21.61	14.89	12.93	4.40	
SFA99-059b	1	Green	14.05	6.76	6.23	0.39	
SFA99-071b	1	Green	24.53	10.62	7.77	1.43	
SFA99-080c	1	Green	9.92	8.24	4.91	0.37	
SFA99-081b	1	Green	16.14	14.40	8.55	1.05	
SFA99-091f	1	Green	7.93	7.33	2.79	0.17	
SFA99-093k	1	Green	10.78	5.22	3.45	0.23	
SFA99-093l	1	Green	9.32	8.34	3.27	0.22	
SFA99-094o	1	Green	9.53	7.25	4.88	0.27	
SFA99-094p	1	Green	7.75	6.20	3.96	0.24	
SFA99-095c	1	Green	18.05	15.16	7.58	1.70	
SFA99-121e	1	Green	16.64	10.73	3.92	0.64	
SFA99-125d	1	Green	12.96	12.02	3.62	0.45	
SFA99-129g	1	Green	11.05	8.44	3.82	0.35	
SFA99-154hh	1	Green	18.24	17.99	6.32	2.43	
SFA99-155n	1	Green	12.07	10.30	5.70	0.82	
SFA99-156e	1	Green	14.14	13.30	4.08	0.82	
SFA99-161n	1	Green	16.22	6.36	5.55	0.60	
SFA99-167c	1	Green	14.06	13.42	5.61	0.94	
SFA99-175g	1	Green	10.40	8.33	4.64	0.36	
SFA99-093i	1	Black	13.55	12.67	9.27	1.25	
SFA99-029l	1	Gray	13.62	11.15	5.80	0.68	
SFA99-030c	1	Gray	8.43	7.15	4.89	0.30	
SFA99-031d	1	Gray	13.13	7.82	4.59	0.40	
SFA99-032b	1	Gray	27.01	14.63	11.06	3.43	
SFA99-071c	1	Gray	7.26	4.08	2.23	0.06	
SFA99-080d	1	Gray	6.78	5.22	2.48	0.08	
SFA99-101d	1	Gray	11.25	4.79	2.97	0.16	
SFA99-101e	1	Gray	5.19	4.21	1.87	0.06	
SFA99-114h	1	Gray	11.48	8.35	5.86	0.47	
SFA99-114i	1	Gray	8.67	9.00	4.88	0.38	
SFA99-121d	1	Gray	18.99	11.43	9.59	1.33	
SFA99-121f	1	Gray	12.57	9.46	3.57	0.41	
SFA99-136f	1	Gray	12.68	7.03	4.63	0.36	
SFA99-138i	1	Gray	13.56	8.50	5.35	0.26	
SFA99-160g	1	Gray	17.26	8.48	7.74	1.11	

Table A.14 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
SFA99-175f	1	Gray	12.72	6.95	5.49	0.54	
SFA99-099s	1	Gray	15.46	12.33	8.35	1.54	
SFA99-125e	1	Gray	12.75	9.18	5.02	0.43	
SFA99-148h	1	Gray	14.20	11.98	5.83	1.00	
SFA99-093j	1	Gray	14.59	9.65	4.95	0.74	
SFA99-133c	1	Gray	11.91	9.59	5.11	0.46	
SFA99-067h	1	Gray	15.62	12.70	5.70	0.67	
SFA99-026c	1	Gray	15.25	15.87	5.87	1.75	
SFA99-017a	1	Green	30.34	13.04	9.32	2.47	
SFA99-001j	1	Green	15.54	17.16	6.64	1.48	
SFA99-020p	1	Green	33.99	20.61	6.32	2.96	
SFA99-020q	1	Green	19.12	27.52	6.24	2.43	
SFA99-020r	1	Green	24.88	15.44	3.57	1.13	
SFA99-020s	1	Green	23.25	11.06	3.45	0.74	
SFA99-020t	1	Green	20.38	8.89	3.81	0.55	
SFA99-020u	1	Green	12.93	13.88	1.25	0.25	
SFA99-020v	1	Green	14.74	11.86	1.53	0.31	
SFA99-020x	1	Green	10.99	9.86	3.73	0.24	
SFA99-020y	1	Green	11.83	12.03	2.82	0.24	
SFA99-020z	1	Green	10.59	9.06	1.93	0.20	
SFA99-021j	1	Green	25.68	19.98	4.74	2.20	
SFA99-022l	1	Green	37.36	15.21	4.38	2.46	
SFA99-022m	1	Green	23.78	18.08	3.74	1.59	
SFA99-022tt	1	Green	19.06	14.56	3.34	0.60	
SFA99-022uu	1	Green	16.40	9.20	2.36	0.37	
SFA99-022ww	1	Green	12.62	5.60	1.79	0.08	
SFA99-023aa	1	Green	13.48	6.35	1.50	0.08	
SFA99-023bb	1	Green	6.43	10.80	0.94	0.05	
SFA99-023cc	1	Green	9.93	8.68	2.06	0.17	
SFA99-023dd	1	Green	7.78	9.45	2.45	0.14	
SFA99-023ee	1	Green	8.91	6.71	3.06	0.17	
SFA99-023ff	1	Green	9.96	5.47	1.39	0.07	
SFA99-023gg	1	Green	7.16	10.28	1.58	0.12	
SFA99-023ii	1	Green	9.03	7.65	2.82	0.13	
SFA99-023jj	1	Green	8.27	7.27	2.67	0.14	
SFA99-023oo	1	Green	16.30	27.67	5.84	1.90	
SFA99-023pp	1	Green	13.59	19.81	4.01	0.58	
SFA99-023qq	1	Green	13.72	8.99	5.18	0.51	
SFA99-023s	1	Green	22.01	19.29	3.93	0.95	
SFA99-023ss	1	Green	8.78	7.23	1.98	0.09	
SFA99-023tt	1	Green	8.53	9.36	1.27	0.07	
SFA99-023u	1	Green	14.42	19.76	3.83	0.93	
SFA99-023v	1	Green	17.08	17.80	2.48	0.52	
SFA99-023w	1	Green	18.12	10.80	3.54	0.48	
SFA99-023x	1	Green	11.10	12.95	2.95	0.32	
SFA99-023y	1	Green	9.87	13.65	2.79	0.20	
SFA99-023z	1	Green	12.02	9.07	2.11	0.16	

Table A.14 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
SFA99-024h	1	Green	22.76	11.06	3.73	0.67	
SFA99-024j	1	Green	15.89	14.92	3.39	0.89	
SFA99-024k	1	Green	11.89	10.19	1.80	0.17	
SFA99-024m	1	Green	12.14	9.53	1.82	0.14	
SFA99-024n	1	Green	11.90	9.38	3.02	0.25	
SFA99-024o	1	Green	8.55	12.84	1.60	0.08	
SFA99-024p	1	Green	9.99	8.83	1.64	0.09	
SFA99-025g	1	Green	22.59	15.50	4.67	1.33	
SFA99-029k	1	Green	18.16	9.55	2.31	0.40	
SFA99-030a	1	Green	14.16	7.95	2.45	0.23	
SFA99-032c	1	Green	11.52	13.06	6.81	0.90	
SFA99-037a	1	Green	16.62	10.78	2.32	0.40	
SFA99-047e	1	Green	15.75	18.31	2.64	0.91	
SFA99-049b	1	Green	9.55	9.29	1.41	0.13	
SFA99-053a	1	Green	14.01	6.74	1.80	0.16	
SFA99-058c	1	Green	8.92	6.22	2.06	0.14	
SFA99-065a	1	Green	12.92	9.34	1.65	0.24	
SFA99-077c	1	Green	16.50	13.89	2.34	0.45	
SFA99-080a	1	Green	24.59	11.28	2.36	0.69	
SFA99-089e	1	Green	17.00	15.94	2.70	0.52	
SFA99-091a	1	Green	17.12	17.19	2.60	0.41	
SFA99-091e	1	Green	7.16	13.25	1.84	0.15	
SFA99-095a	1	Green	10.32	10.16	1.66	0.22	
SFA99-118c	1	Green	16.67	11.83	1.31	0.27	
SFA99-119b	1	Green	9.63	13.82	2.01	0.24	
SFA99-126c	1	Green	14.14	7.48	2.30	0.21	
SFA99-129e	1	Green	21.27	9.24	3.69	0.56	
SFA99-135a	1	Green	14.57	21.64	3.10	0.55	
SFA99-135b	1	Green	11.49	13.14	2.00	0.23	
SFA99-136b	1	Green	19.69	19.37	2.24	0.85	
SFA99-136c	1	Green	12.02	15.74	2.73	0.33	
SFA99-153e	1	Green	10.74	8.05	1.33	0.12	
SFA99-174g	1	Green	19.21	18.24	8.60	2.18	
SFA99-181d	1	Green	29.16	20.32	5.81	2.54	
SFA99-181e	1	Green	18.97	17.94	5.92	1.84	
SFA99-023hh	1	Clear	8.89	6.41	3.38	0.18	
SFA99-099i	1	Clear	8.03	8.96	1.47	0.09	
SFA99-002f	1	Gray	17.73	21.73	3.20	1.02	
SFA99-002g	1	Gray	13.56	11.56	2.98	0.35	
SFA99-015b	1	Gray	25.54	15.62	4.10	1.48	
SFA99-020w	1	Gray	8.88	13.40	3.03	0.36	
SFA99-021k	1	Gray	14.59	16.70	2.72	0.55	
SFA99-023rr	1	Gray	6.52	14.19	2.39	0.15	
SFA99-024i	1	Gray	7.83	17.79	2.57	0.36	
SFA99-027b	1	Gray	14.82	9.23	2.23	0.27	
SFA99-029j	1	Gray	17.50	8.58	1.64	0.27	
SFA99-030b	1	Gray	13.20	6.25	1.52	0.11	

Table A.14 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
SFA99-038b	1	Gray	9.35	7.26	1.82	0.10	
SFA99-044d	1	Gray	10.24	12.00	2.08	0.22	
SFA99-049a	1	Gray	14.31	15.19	3.05	0.65	
SFA99-053b	1	Gray	11.69	5.92	1.75	0.15	
SFA99-054a	1	Gray	8.97	7.24	2.38	0.13	
SFA99-063b	1	Gray	14.35	7.64	2.98	0.34	
SFA99-068a	1	Gray	15.60	16.18	3.22	0.67	
SFA99-084b	1	Gray	21.90	18.00	4.04	1.38	
SFA99-087a	1	Gray	19.04	14.28	3.16	1.02	
SFA99-091b	1	Gray	17.03	12.75	2.95	0.41	
SFA99-093c	1	Gray	12.84	17.56	3.77	0.54	
SFA99-093d	1	Gray	12.66	10.79	2.58	0.26	
SFA99-093e	1	Gray	8.10	8.41	3.03	0.22	
SFA99-099g	1	Gray	17.08	13.29	4.58	0.63	
SFA99-099h	1	Gray	13.03	9.16	2.99	0.40	
SFA99-124a	1	Gray	12.21	8.75	1.33	0.19	
SFA99-127b	1	Gray	24.11	6.78	3.93	0.44	
SFA99-128a	1	Gray	7.49	18.82	3.73	0.40	
SFA99-130a	1	Gray	14.67	9.87	2.06	0.28	
SFA99-151j	1	Gray	15.18	12.55	1.49	0.37	
SFA99-156b	1	Gray	11.47	12.83	2.31	0.23	
SFA99-023t	1	Gray	11.63	21.70	3.32	0.64	
SFA99-024l	1	Gray	10.85	9.23	3.30	0.40	
SFA99-025h	1	Gray	14.08	11.64	2.82	0.58	
SFA99-032d	1	Gray	9.99	12.90	2.13	0.21	
SFA99-060a	1	Gray	11.85	10.31	0.95	0.16	
SFA99-122g	1	Gray	9.28	14.05	2.54	0.24	
SFA99-150m	1	Gray	14.14	14.58	2.33	0.35	
SFA99-155k	1	Gray	11.38	10.17	1.62	0.16	
SFA99-162e	1	Gray	19.56	12.50	3.27	0.63	
SFA99-181f	1	Gray	15.71	16.59	3.33	0.69	
SFA99-186b	1	Gray	9.88	12.58	1.91	0.23	
SFA99-113a	1	Gray	17.48	9.29	4.54	0.84	
SFA99-004c	1	Gray	12.91	19.19	2.67	0.38	
SFA99-147b	1	Gray	27.15	21.38	3.61	1.69	
SFA99-166f	1	Gray	9.95	9.59	1.52	0.23	
SFA99-047f	1	Green	15.95	13.01	5.59	0.80	
SFA99-050a	1	Green	9.93	9.67	2.29	0.27	
SFA99-051a	1	Green	10.89	8.03	1.59	0.17	
SFA99-054b	1	Green	14.73	8.81	3.72	0.25	
SFA99-055o	1	Green	9.28	8.93	1.52	0.13	
SFA99-056j	1	Green	15.15	9.59	3.82	0.48	
SFA99-056k	1	Green	12.36	7.22	2.04	0.18	
SFA99-067i	1	Green	10.17	8.51	1.59	0.11	
SFA99-074b	1	Green	11.93	5.04	2.89	0.13	
SFA99-078d	1	Green	8.59	6.36	2.48	0.10	
SFA99-080b	1	Green	9.74	12.42	3.11	0.21	

Table A.14 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
SFA99-082c	1	Green	19.84	7.36	2.83	0.54	
SFA99-082e	1	Green	8.70	6.22	2.80	0.14	
SFA99-086b	1	Green	10.95	8.08	2.25	0.22	
SFA99-086c	1	Green	8.82	6.41	2.49	0.13	
SFA99-088l	1	Green	13.68	8.99	2.08	0.24	
SFA99-088m	1	Green	13.50	10.36	2.44	0.23	
SFA99-090d	1	Green	14.40	9.19	2.35	0.28	
SFA99-091c	1	Green	14.63	9.28	2.51	0.36	
SFA99-091d	1	Green	12.17	6.50	1.88	0.15	
SFA99-092a	1	Green	11.56	6.11	1.89	0.12	
SFA99-093a	1	Green	13.10	10.48	3.45	0.35	
SFA99-093f	1	Green	9.83	7.45	2.30	0.16	
SFA99-093h	1	Green	8.07	7.14	3.01	0.15	
SFA99-094g	1	Green	13.26	21.97	4.29	1.31	
SFA99-094i	1	Green	11.17	6.81	2.07	0.14	
SFA99-094l	1	Green	8.99	7.13	2.00	0.13	
SFA99-094m	1	Green	7.29	9.10	1.12	0.07	
SFA99-096h	1	Green	9.66	9.39	3.92	0.29	
SFA99-096l	1	Green	8.87	6.72	2.20	0.06	
SFA99-098a	1	Green	18.89	14.15	3.21	0.71	
SFA99-098c	1	Green	14.09	8.88	2.97	0.32	
SFA99-098e	1	Green	11.05	11.84	2.64	0.34	
SFA99-099l	1	Green	14.84	10.07	3.92	0.37	
SFA99-099m	1	Green	14.76	9.91	2.87	0.32	
SFA99-099q	1	Green	8.15	6.07	0.94	0.05	
SFA99-100f	1	Green	14.28	10.71	3.16	0.39	
SFA99-103d	1	Green	8.64	7.03	2.50	0.18	
SFA99-105c	1	Green	15.69	9.11	3.26	0.36	
SFA99-106a	1	Green	20.79	6.96	3.55	0.43	
SFA99-106c	1	Green	12.65	9.34	1.66	0.16	
SFA99-107d	1	Green	15.12	5.91	6.56	0.41	
SFA99-107e	1	Green	10.38	7.27	2.10	0.15	
SFA99-108b	1	Green	9.49	12.16	1.85	0.20	
SFA99-114d	1	Green	12.47	9.46	2.45	0.23	
SFA99-114g	1	Green	10.27	8.49	3.34	0.25	
SFA99-116a	1	Green	9.38	9.69	2.03	0.14	
SFA99-117h	1	Green	11.69	11.18	3.03	0.35	
SFA99-122h	1	Green	21.55	7.58	2.87	0.38	
SFA99-122j	1	Green	9.73	8.51	1.59	0.08	
SFA99-124b	1	Green	15.50	11.87	4.62	0.43	
SFA99-125a	1	Green	9.75	7.94	1.85	0.13	
SFA99-125b	1	Green	8.57	4.58	2.64	0.06	
SFA99-127d	1	Green	10.97	9.18	3.55	0.30	
SFA99-127g	1	Green	10.70	11.31	1.01	0.10	
SFA99-130c	1	Green	7.73	6.93	2.07	0.10	
SFA99-134b	1	Green	29.44	14.56	4.21	1.44	
SFA99-136d	2	Green	20.23	13.22	4.38	0.99	

Table A.14 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
SFA99-137d	1	Green	11.97	14.99	3.84	0.94	
SFA99-137e	1	Green	10.81	8.59	1.55	0.16	
SFA99-138f	1	Green	13.27	8.91	2.43	0.23	
SFA99-144g	1	Green	13.41	7.31	1.49	0.15	
SFA99-145c	1	Green	14.82	12.74	4.08	0.91	
SFA99-145d	1	Green	11.84	13.15	2.62	0.37	
SFA99-148f	1	Green	15.24	12.06	2.68	0.58	
SFA99-148g	1	Green	14.40	12.90	2.30	0.50	
SFA99-154ee	1	Green	12.15	12.08	1.84	0.33	
SFA99-154gg	1	Green	10.05	6.74	1.75	0.11	
SFA99-155l	1	Green	15.95	10.28	4.29	0.73	
SFA99-156d	1	Green	7.66	5.13	2.01	0.06	
SFA99-158a	1	Green	9.29	10.10	3.56	0.34	
SFA99-160e	1	Green	18.96	12.58	2.83	0.52	
SFA99-160f	1	Green	18.97	5.68	3.32	0.27	
SFA99-161am	1	Green	12.54	4.00	1.69	0.06	
SFA99-163e	1	Green	10.95	7.52	1.94	0.14	
SFA99-166h	1	Green	14.15	11.73	1.76	0.28	
SFA99-167b	1	Green	7.01	5.11	1.38	0.04	
SFA99-174h	1	Green	15.38	16.10	4.17	0.84	
SFA99-175e	1	Green	16.27	9.66	2.88	0.38	
SFA99-126d	1	Clear	13.62	8.69	1.64	0.14	
SFA99-099p	1	Black	7.57	4.24	2.47	0.09	
SFA99-012c	1	Gray	15.78	5.44	1.87	0.15	
SFA99-044e	1	Gray	15.67	5.99	2.32	0.17	
SFA99-045l	1	Gray	11.24	8.76	2.97	0.37	
SFA99-055m	1	Gray	14.64	8.79	1.25	0.21	
SFA99-055n	1	Gray	11.66	7.33	1.42	0.13	
SFA99-056h	1	Gray	12.89	17.27	2.84	0.71	
SFA99-056i	1	Gray	13.55	9.77	3.06	0.40	
SFA99-056l	1	Gray	11.69	8.08	4.14	0.35	
SFA99-065b	1	Gray	6.48	5.57	1.60	0.04	
SFA99-070d	1	Gray	13.98	7.10	2.31	2.97	
SFA99-070e	1	Gray	12.23	6.95	1.80	0.12	
SFA99-070f	1	Gray	10.47	5.64	2.24	0.07	
SFA99-070g	1	Gray	6.03	5.97	1.07	0.02	
SFA99-072a	1	Gray	9.16	5.39	1.54	0.06	
SFA99-075a	1	Gray	14.09	7.62	1.52	0.25	
SFA99-078b	1	Gray	14.06	7.58	1.77	0.15	
SFA99-078c	1	Gray	10.45	7.22	3.81	0.24	
SFA99-079a	1	Gray	8.64	9.18	1.53	0.11	
SFA99-082d	1	Gray	9.07	7.34	2.05	0.10	
SFA99-083b	1	Gray	15.44	8.17	2.51	0.27	
SFA99-086a	1	Gray	20.80	7.35	2.60	0.32	
SFA99-088k	1	Gray	16.90	12.48	5.46	0.78	
SFA99-088n	1	Gray	10.18	6.69	3.02	0.20	
SFA99-088o	1	Gray	10.88	6.51	1.21	0.11	

Table A.14 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
SFA99-089f	1	Gray	17.75	10.15	4.36	0.66	
SFA99-089g	1	Gray	13.42	10.91	2.30	0.33	
SFA99-089h	1	Gray	11.66	4.59	3.25	0.13	
SFA99-089i	1	Gray	6.92	6.26	1.66	0.09	
SFA99-092b	1	Gray	6.14	4.26	1.80	0.03	
SFA99-093g	1	Gray	9.70	8.25	1.88	0.16	
SFA99-094h	1	Gray	9.93	5.83	3.62	0.20	
SFA99-094j	1	Gray	12.02	7.98	3.65	0.18	
SFA99-094k	1	Gray	11.52	8.51	2.14	0.16	
SFA99-096b	1	Gray	20.87	15.66	4.08	1.24	
SFA99-096c	1	Gray	20.29	7.06	4.38	0.45	
SFA99-096d	1	Gray	15.42	13.27	3.04	0.56	
SFA99-096e	1	Gray	15.32	9.61	1.90	0.25	
SFA99-096f	1	Gray	14.12	7.95	1.85	0.19	
SFA99-096g	1	Gray	12.02	8.31	1.49	0.15	
SFA99-096i	1	Gray	10.97	9.68	2.32	0.22	
SFA99-096j	1	Gray	11.13	7.67	2.93	0.23	
SFA99-096k	1	Gray	9.84	7.10	2.29	0.14	
SFA99-098b	1	Gray	14.86	9.32	5.32	0.62	
SFA99-099j	1	Gray	13.29	14.79	3.23	0.50	
SFA99-099k	1	Gray	14.71	13.14	4.47	0.78	
SFA99-099n	1	Gray	8.77	9.64	2.53	0.16	
SFA99-099o	1	Gray	7.80	7.45	2.38	0.14	
SFA99-099r	1	Gray	6.59	4.91	1.56	0.04	
SFA99-100b	1	Gray	27.92	7.47	3.78	0.77	
SFA99-100c	1	Gray	18.76	15.09	4.26	1.18	
SFA99-100d	1	Gray	17.06	9.97	5.84	0.88	
SFA99-100e	1	Gray	17.47	12.05	2.57	0.40	
SFA99-100g	1	Gray	12.15	7.37	1.37	0.10	
SFA99-100h	1	Gray	7.77	8.00	1.23	0.06	
SFA99-101b	1	Gray	14.27	9.36	2.90	0.33	
SFA99-101c	1	Gray	13.29	12.72	2.98	0.40	
SFA99-102a	1	Gray	14.14	11.43	2.11	0.36	
SFA99-102b	1	Gray	9.53	8.66	1.81	0.13	
SFA99-102c	1	Gray	9.00	7.42	2.77	0.10	
SFA99-103a	1	Gray	16.68	9.93	2.58	0.39	
SFA99-103b	1	Gray	13.55	8.22	4.64	0.33	
SFA99-103c	1	Gray	11.38	9.27	3.18	0.29	
SFA99-104a	1	Gray	16.26	10.64	3.25	0.57	
SFA99-104b	1	Gray	13.04	10.62	3.07	0.51	
SFA99-105b	1	Gray	15.79	10.48	3.61	0.45	
SFA99-105d	1	Gray	12.88	10.31	1.98	0.29	
SFA99-106b	1	Gray	12.62	11.48	3.39	0.41	
SFA99-107c	1	Gray	20.91	5.86	3.88	0.45	
SFA99-114c	1	Gray	21.74	11.58	2.75	0.70	
SFA99-114f	1	Gray	11.32	8.78	1.89	0.15	
SFA99-115b	1	Gray	8.53	10.52	2.65	0.17	

Table A.14 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
SFA99-117j	1	Gray	12.48	10.63	3.98	0.46	
SFA99-119c	1	Gray	9.58	7.71	2.92	0.21	
SFA99-122i	1	Gray	13.08	10.59	3.98	0.43	
SFA99-125c	1	Gray	8.61	8.85	1.84	0.09	
SFA99-126e	1	Gray	11.16	14.71	3.28	0.49	
SFA99-127c	1	Gray	17.25	15.07	2.31	0.47	
SFA99-127e	1	Gray	10.32	8.26	1.86	0.12	
SFA99-127f	1	Gray	12.47	8.96	1.80	0.14	
SFA99-129f	1	Gray	13.79	10.28	1.47	0.18	
SFA99-130b	1	Gray	14.97	8.59	2.93	0.26	
SFA99-131a	1	Gray	14.45	9.09	2.87	0.36	
SFA99-131b	1	Gray	13.50	12.11	2.57	0.38	
SFA99-131c	1	Gray	12.42	10.64	3.59	0.54	
SFA99-132a	1	Gray	17.36	5.47	2.70	0.22	
SFA99-134c	1	Gray	13.95	11.28	3.63	0.41	
SFA99-134d	1	Gray	13.11	10.68	3.06	0.38	
SFA99-136e	1	Gray	14.45	12.05	4.07	0.50	
SFA99-137c	1	Gray	18.82	28.26	6.42	2.72	
SFA99-138g	1	Gray	13.10	11.32	2.23	0.27	
SFA99-138h	1	Gray	10.07	5.60	2.09	0.10	
SFA99-140e	1	Gray	18.00	7.99	3.76	0.63	
SFA99-140f	1	Gray	14.06	14.40	4.15	0.74	
SFA99-142f	1	Gray	18.33	15.30	3.98	1.11	
SFA99-143a	1	Gray	16.14	10.44	4.08	0.59	
SFA99-145e	1	Gray	12.31	9.01	3.19	0.35	
SFA99-147c	1	Gray	24.78	10.36	4.31	1.02	
SFA99-147d	1	Gray	15.23	10.46	2.97	0.30	
SFA99-147e	1	Gray	11.42	8.36	2.69	0.25	
SFA99-149d	1	Gray	16.56	14.93	4.24	0.65	
SFA99-149e	1	Gray	9.33	9.12	2.38	0.21	
SFA99-152e	1	Gray	26.96	10.87	5.21	1.34	
SFA99-153f	1	Gray	23.10	9.72	4.46	0.54	
SFA99-153g	1	Gray	10.85	10.67	2.56	0.23	
SFA99-154ff	1	Gray	10.22	11.68	1.44	0.17	
SFA99-155m	1	Gray	11.12	7.91	2.35	0.20	
SFA99-156c	1	Gray	10.00	7.93	1.19	0.09	
SFA99-159d	1	Gray	9.10	8.98	3.63	0.34	
SFA99-161k	1	Gray	17.53	12.23	3.19	0.59	
SFA99-161l	1	Gray	15.44	13.03	3.54	0.57	
SFA99-166g	1	Gray	15.66	14.27	3.46	0.66	
SFA99-166i	1	Gray	12.95	10.05	0.73	0.09	
SFA99-181g	1	Gray	9.46	6.83	1.68	0.08	
SFA99-036b	1	Gray	11.77	8.45	2.09	0.15	
SFA99-044f	1	Gray	9.02	11.06	2.78	0.27	
SFA99-088p	1	Gray	8.60	5.80	1.29	0.06	
SFA99-088q	1	Gray	7.82	6.03	2.88	0.13	
SFA99-098d	1	Gray	13.80	10.66	3.63	0.30	

Table A.14 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
SFA99-139c	1	Gray	24.63	8.14	1.57	0.40	
SFA99-165j	1	Gray	13.90	9.62	1.36	0.18	
SFA99-170f	1	Gray	11.80	6.52	2.69	0.18	
SFA99-045k	1	Gray	12.83	11.28	1.37	0.29	
SFA99-068b	1	Gray	12.44	8.57	1.48	0.12	
SFA99-114e	1	Gray	12.10	7.71	2.57	0.19	
SFA99-117i	1	Gray	14.90	8.96	3.04	0.28	
SFA99-035a	1	Gray	9.73	7.90	2.53	0.24	
SFA99-085d	1	Gray	16.23	13.73	3.57	0.57	
SFA99-094n	1	Gray	9.06	5.02	1.74	0.06	
SFA99-095b	1	Gray	8.18	5.85	1.78	0.06	
SFA99-117g	1	Gray	19.71	12.57	4.70	0.57	
			Avg	Avg	Avg		
			13.61	10.57	2.80		
SFA99-009d	1	Green	12.48	6.12	2.01	0.18	13.8666667
SFA99-016b	1	Green	21.13	6.99	1.66	0.26	16.2538462
SFA99-020f	1	Green	25.53	9.77	2.55	0.66	7.73636364
SFA99-021a	1	Green	33.01	8.50	2.13	0.71	9.29859155
SFA99-022mm	1	Green	11.58	7.40	1.91	0.20	11.58
SFA99-022pp	1	Green	9.81	7.11	1.42	0.09	21.8
SFA99-023a	1	Green	50.18	8.08	2.67	1.00	10.036
SFA99-029h	1	Green	11.25	7.21	2.10	0.16	14.0625
SFA99-042e	1	Green	12.46	9.23	2.32	0.22	11.3272727
SFA99-045d	1	Green	11.99	7.59	2.26	0.25	9.592
SFA99-045g	1	Green	9.28	7.83	2.07	0.15	12.3733333
SFA99-046d	1	Green	18.50	10.26	1.44	0.40	9.25
SFA99-055c	1	Green	21.82	13.41	2.86	0.98	4.45306122
SFA99-057j	1	Green	11.95	8.55	3.30	0.34	7.02941176
SFA99-088b	1	Green	29.34	11.57	2.98	1.02	5.75294118
SFA99-089b	1	Green	21.39	11.63	2.27	0.70	6.11142857
SFA99-094d	1	Green	18.03	8.66	2.06	0.39	9.24615385
SFA99-099c	1	Green	21.47	7.26	1.70	0.26	16.5153846
SFA99-108a	1	Green	15.25	6.35	1.56	0.20	15.25
SFA99-150h	1	Green	17.22	10.23	2.46	0.37	9.30810811
SFA99-151c	1	Green	22.03	8.95	2.28	0.40	11.015
SFA99-151f	1	Green	17.29	9.58	1.90	0.29	11.9241379
SFA99-151g	1	Green	11.34	8.51	2.27	0.22	10.3090909
SFA99-152d	1	Green	10.56	5.29	1.92	0.10	21.12
SFA99-154a	1	Green	36.98	11.18	2.42	1.09	6.7853211
SFA99-154g	1	Green	23.94	6.52	1.80	0.31	15.4451613
SFA99-154h	1	Green	23.88	6.38	1.81	0.31	15.4064516
SFA99-160d	1	Green	15.28	18.08	6.60	1.79	1.70726257
SFA99-161d	1	Green	15.22	5.62	1.77	0.13	23.4153846
SFA99-165h	1	Green	10.64	8.25	2.48	0.16	13.3
SFA99-166c	1	Green	17.50	9.21	2.68	0.54	6.48148148
SFA99-171c	1	Green	19.18	9.59	2.09	0.68	5.64117647
SFA99-174d	1	Green	21.35	6.49	1.86	0.22	19.4090909

Table A.14 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
SFA99-180c	1	Green	14.04	8.38	1.97	0.26	10.8
SFA99-005g	1	Gray	18.52	7.68	1.90	0.32	11.575
SFA99-022d	1	Gray	19.20	11.08	3.00	0.70	5.48571429
SFA99-029c	1	Gray	17.13	9.78	2.18	0.44	7.78636364
SFA99-171g	1	Gray	15.16	8.04	2.34	0.31	9.78064516
SFA99-139b	1	Gray	24.30	8.74	2.34	0.39	12.4615385
SFA99-149a	1	Gray	35.03	14.24	5.41	2.60	2.69461538
SFA99-001b	1	Green	27.44	10.22	1.86	0.75	7.31733333
SFA99-001f	1	Green	16.89	8.20	1.52	0.30	11.26
SFA99-001g	1	Green	16.53	9.51	2.21	0.42	7.87142857
SFA99-001h	1	Green	15.49	9.72	1.77	0.30	10.3266667
SFA99-001i	1	Green	12.39	11.52	2.02	0.36	6.88333333
SFA99-002b	1	Green	15.57	7.95	1.97	0.31	10.0451613
SFA99-002c	1	Green	14.35	8.76	1.89	0.32	8.96875
SFA99-002d	1	Green	13.73	10.37	2.02	0.38	7.22631579
SFA99-002e	1	Green	11.19	7.34	1.78	0.18	12.4333333
SFA99-003a	1	Green	23.99	11.53	2.02	0.71	6.75774648
SFA99-004a	1	Green	26.40	8.76	2.31	0.78	6.76923077
SFA99-004b	1	Green	14.37	7.95	2.17	0.28	10.2642857
SFA99-005c	1	Green	26.11	8.39	2.51	0.52	10.0423077
SFA99-005d	1	Green	21.78	8.46	1.90	0.46	9.46956522
SFA99-005e	1	Green	19.50	9.90	1.90	0.54	7.22222222
SFA99-005f	1	Green	18.65	10.01	2.09	0.51	7.31372549
SFA99-005h	1	Green	17.28	8.05	1.85	0.37	9.34054054
SFA99-005i	1	Green	12.57	8.06	1.76	0.20	12.57
SFA99-005j	1	Green	10.89	7.21	1.66	0.15	14.52
SFA99-005k	1	Green	8.07	8.55	1.85	0.15	10.76
SFA99-006a	1	Green	20.84	8.17	1.84	0.38	10.9684211
SFA99-006c	1	Green	12.70	10.27	2.24	0.36	7.05555556
SFA99-006d	1	Green	12.46	7.94	1.79	0.22	11.3272727
SFA99-006e	1	Green	11.68	8.85	1.85	0.22	10.6181818
SFA99-007c	1	Green	22.22	9.64	1.67	0.43	10.3348837
SFA99-007d	1	Green	18.36	10.99	2.00	0.37	9.92432432
SFA99-007e	1	Green	18.15	9.17	1.51	0.33	11
SFA99-008a	1	Green	35.38	10.19	2.58	1.20	5.89666667
SFA99-009b	1	Green	23.08	7.19	1.62	0.33	13.9878788
SFA99-009c	1	Green	17.65	10.94	2.39	0.56	6.30357143
SFA99-011a	1	Green	27.75	10.60	2.81	1.16	4.78448276
SFA99-011b	1	Green	20.27	8.84	1.83	0.43	9.42790698
SFA99-011c	1	Green	10.31	9.36	2.00	0.25	8.248
SFA99-012b	1	Green	22.66	8.95	1.84	0.54	8.39259259
SFA99-013a	1	Green	24.27	14.87	2.57	1.01	4.80594059
SFA99-015d	1	Green	16.78	9.88	3.05	0.69	4.86376812
SFA99-017b	1	Green	27.77	9.32	2.42	0.86	6.45813953
SFA99-017c	1	Green	30.24	8.84	2.08	0.75	8.064
SFA99-018a	1	Green	25.29	12.07	1.74	0.71	7.12394366
SFA99-018b	1	Green	24.53	12.58	2.73	0.97	5.05773196

Table A.14 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
SFA99-018c	1	Green	23.28	12.59	2.63	0.93	5.00645161
SFA99-018f	1	Green	12.68	7.31	1.39	0.19	13.3473684
SFA99-019b	1	Green	28.13	12.50	2.04	0.95	5.92210526
SFA99-019c	1	Green	26.86	6.82	1.89	0.48	11.1916667
SFA99-020b	1	Green	50.20	13.48	3.45	2.88	3.48611111
SFA99-020c	1	Green	39.18	11.94	3.04	1.86	4.21290323
SFA99-020d	1	Green	37.32	13.02	2.81	1.69	4.41656805
SFA99-020e	1	Green	33.88	10.97	2.29	1.18	5.74237288
SFA99-020g	1	Green	25.48	11.43	1.67	0.67	7.60597015
SFA99-020h	1	Green	21.17	7.42	2.03	0.43	9.84651163
SFA99-020i	1	Green	18.85	13.47	3.08	1.18	3.19491525
SFA99-020j	1	Green	19.29	12.42	2.04	0.64	6.028125
SFA99-020k	1	Green	18.96	9.04	1.74	0.43	8.81860465
SFA99-020m	1	Green	14.63	9.30	2.05	0.38	7.7
SFA99-020n	1	Green	11.65	12.68	3.11	0.58	4.01724138
SFA99-020o	1	Green	11.77	12.51	2.81	0.51	4.61568627
SFA99-021b	1	Green	30.06	8.08	2.32	0.82	7.33170732
SFA99-021d	1	Green	19.72	14.43	2.50	1.14	3.45964912
SFA99-021f	1	Green	16.71	8.44	1.51	0.29	11.5241379
SFA99-021h	1	Green	12.44	8.97	1.78	0.24	10.3666667
SFA99-021i	1	Green	13.05	8.55	2.18	0.15	17.4
SFA99-022a	1	Green	33.57	8.71	2.26	0.80	8.3925
SFA99-022aa	1	Green	17.87	8.11	1.90	0.35	10.2114286
SFA99-022b	1	Green	39.01	11.61	2.90	1.91	4.08481675
SFA99-022bb	1	Green	17.23	9.48	1.42	0.34	10.1352941
SFA99-022c	1	Green	25.10	7.74	2.30	0.47	10.6808511
SFA99-022cc	1	Green	16.30	9.76	2.24	0.45	7.24444444
SFA99-022e	1	Green	33.62	10.07	2.30	0.95	7.07789474
SFA99-022ee	1	Green	16.50	7.93	1.68	0.32	10.3125
SFA99-022f	1	Green	17.42	7.87	2.91	0.44	7.91818182
SFA99-022f	1	Green	33.05	14.52	2.06	1.47	4.49659864
SFA99-022ff	1	Green	15.70	10.56	2.44	0.47	6.68085106
SFA99-022g	1	Green	17.18	9.03	1.60	0.30	11.4533333
SFA99-022g	1	Green	32.74	9.19	2.54	0.96	6.82083333
SFA99-022gg	1	Green	14.91	10.01	2.04	0.42	7.1
SFA99-022h	1	Green	15.05	8.79	1.68	0.26	11.5769231
SFA99-022h	1	Green	32.24	14.14	3.62	2.07	3.11497585
SFA99-022i	1	Green	10.95	8.88	1.86	0.25	8.76
SFA99-022ii	1	Green	13.99	2.80	1.54	0.07	39.9714286
SFA99-022j	1	Green	11.05	7.62	2.06	0.21	10.5238095
SFA99-022j	1	Green	26.92	8.00	2.50	0.70	7.69142857
SFA99-022k	1	Green	8.31	8.90	1.48	0.16	10.3875
SFA99-022k	1	Green	27.62	13.91	2.58	1.36	4.06176471
SFA99-022l	1	Green	26.07	12.16	2.61	1.00	5.214
SFA99-022ll	1	Green	13.57	12.20	2.03	0.36	7.53888889
SFA99-022n	1	Green	15.06	8.65	1.95	0.37	8.14054054
SFA99-022nn	1	Green	11.06	5.57	1.11	0.09	24.5777778

Table A.14 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
SFA99-022o	1	Green	24.82	11.78	2.40	0.96	5.17083333
SFA99-022oo	1	Green	9.70	7.34	1.87	0.17	11.4117647
SFA99-022p	1	Green	24.68	13.55	3.07	1.48	3.33513514
SFA99-022q	1	Green	25.19	14.92	3.89	1.50	3.35866667
SFA99-022qq	1	Green	8.87	7.82	2.10	0.17	10.4352941
SFA99-022r	1	Green	23.33	6.68	1.73	0.38	12.2789474
SFA99-022rr	1	Green	7.66	7.63	2.30	0.13	11.7846154
SFA99-022t	1	Green	22.81	10.18	1.75	0.60	7.60333333
SFA99-022w	1	Green	19.81	9.26	1.69	0.40	9.905
SFA99-022x	1	Green	18.55	7.42	1.88	0.33	11.2424242
SFA99-022y	1	Green	18.24	10.83	2.11	0.57	6.4
SFA99-023d	1	Green	29.89	8.00	2.12	0.62	9.64193548
SFA99-023e	1	Green	26.15	12.16	2.72	1.26	4.15079365
SFA99-023f	1	Green	24.56	5.92	1.80	0.29	16.937931
SFA99-023h	1	Green	22.86	14.45	2.58	0.96	4.7625
SFA99-023j	1	Green	14.15	12.36	2.30	0.28	10.1071429
SFA99-023k	1	Green	13.45	9.92	2.10	0.35	7.68571429
SFA99-023kk	1	Green	31.91	11.26	2.48	1.25	5.1056
SFA99-023l	1	Green	14.72	11.94	2.78	0.37	7.95675676
SFA99-023ll	1	Green	30.72	8.00	1.95	0.61	10.0721311
SFA99-023m	1	Green	13.39	8.85	1.29	0.15	17.8533333
SFA99-023n	1	Green	12.01	9.13	1.73	0.12	20.0166667
SFA99-024b	1	Green	31.96	19.73	3.12	2.55	2.50666667
SFA99-024c	1	Green	31.84	10.62	2.34	0.96	6.63333333
SFA99-024d	1	Green	30.19	15.21	3.44	1.53	3.94640523
SFA99-024g	1	Green	5.65	12.83	3.16	0.22	5.13636364
SFA99-025a	1	Green	30.43	12.05	2.19	0.76	8.00789474
SFA99-025d	1	Green	16.36	9.06	2.18	0.37	8.84324324
SFA99-025f	1	Green	13.12	7.48	2.08	0.24	10.9333333
SFA99-026b	1	Green	14.17	7.82	1.88	0.27	10.4962963
SFA99-029e	1	Green	14.86	9.83	1.73	0.37	8.03243243
SFA99-029i	1	Green	11.18	8.40	1.87	0.20	11.18
SFA99-031a	1	Green	20.00	7.74	1.92	0.41	9.75609756
SFA99-031b	1	Green	18.13	7.98	1.57	0.32	11.33125
SFA99-031c	1	Green	11.61	9.30	2.21	0.26	8.93076923
SFA99-032a	1	Green	20.67	9.25	2.38	0.51	8.10588235
SFA99-033b	1	Green	19.15	3.97	2.34	0.19	20.1578947
SFA99-042a	1	Green	21.69	9.16	2.18	0.66	6.57272727
SFA99-043a	1	Green	25.93	10.20	2.27	0.73	7.10410959
SFA99-043b	1	Green	14.37	5.71	2.12	0.24	11.975
SFA99-044a	1	Green	26.46	13.92	2.54	1.23	4.30243902
SFA99-044b	1	Green	25.86	9.99	2.18	0.78	6.63076923
SFA99-044c	1	Green	9.93	9.46	1.84	0.21	9.45714286
SFA99-045a	1	Green	25.45	10.43	2.16	0.86	5.91860465
SFA99-045c	1	Green	16.26	9.22	1.92	0.42	7.74285714
SFA99-045e	1	Green	10.01	11.16	1.98	0.22	9.1
SFA99-045f	1	Green	8.07	8.74	2.72	0.27	5.97777778

Table A.14 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
SFA99-045h	1	Green	8.19	10.21	2.63	0.29	5.64827586
SFA99-045i	1	Green	7.47	9.21	2.14	0.19	7.86315789
SFA99-046a	1	Green	28.01	10.23	2.33	1.02	5.49215686
SFA99-046c	1	Green	23.90	8.96	2.37	0.69	6.92753623
SFA99-046f	1	Green	13.21	12.80	2.42	0.51	5.18039216
SFA99-046g	1	Green	10.80	8.26	2.33	0.24	9
SFA99-046h	1	Green	11.31	8.04	1.10	0.17	13.3058824
SFA99-047a	1	Green	17.16	10.36	2.60	0.63	5.44761905
SFA99-047b	1	Green	14.75	12.15	1.74	0.44	6.70454545
SFA99-047c	1	Green	12.57	8.77	1.83	0.32	7.85625
SFA99-048a	1	Green	12.67	8.41	2.14	0.31	8.17419355
SFA99-052a	1	Green	14.31	3.41	2.10	0.09	31.8
SFA99-055b	1	Green	27.26	13.18	2.33	1.29	4.22635659
SFA99-055d	1	Green	19.69	10.52	2.32	0.68	5.79117647
SFA99-055e	1	Green	18.94	10.01	2.31	0.62	6.10967742
SFA99-055f	1	Green	17.20	10.13	2.42	0.45	7.64444444
SFA99-055g	1	Green	12.96	12.06	2.70	0.54	4.8
SFA99-055h	1	Green	12.31	8.42	1.95	0.25	9.848
SFA99-055i	1	Green	11.30	13.64	2.76	0.59	3.83050847
SFA99-055j	1	Green	11.70	8.56	1.84	0.23	10.173913
SFA99-055k	1	Green	9.62	9.98	1.36	0.17	11.3176471
SFA99-056b	1	Green	25.79	11.01	2.67	0.91	5.66813187
SFA99-056c	1	Green	14.83	7.34	1.87	0.27	10.9851852
SFA99-056d	1	Green	15.13	11.70	2.19	0.54	5.6037037
SFA99-056e	1	Green	13.14	10.88	2.94	0.49	5.36326531
SFA99-056f	1	Green	13.39	11.71	2.83	0.46	5.82173913
SFA99-056g	1	Green	7.61	10.28	2.32	0.25	6.088
SFA99-057a	1	Green	26.01	8.09	1.53	0.45	11.56
SFA99-057b	1	Green	23.24	9.89	2.27	0.76	6.11578947
SFA99-057d	1	Green	16.08	9.12	2.06	0.41	7.84390244
SFA99-057e	1	Green	16.27	7.83	1.40	0.19	17.1263158
SFA99-057f	1	Green	13.28	6.66	1.88	0.13	20.4307692
SFA99-057g	1	Green	13.78	7.05	1.68	0.21	13.1238095
SFA99-057h	1	Green	8.81	9.20	1.81	0.18	9.78888889
SFA99-057i	1	Green	8.35	9.67	1.76	0.22	7.59090909
SFA99-058a	1	Green	14.30	10.14	2.28	0.46	6.2173913
SFA99-058b	1	Green	8.24	11.23	3.62	0.45	3.66222222
SFA99-059a	2	Green	16.53	11.21	1.85	0.41	8.06341463
SFA99-062a	1	Green	24.64	13.11	3.41	1.52	3.24210526
SFA99-063a	1	Green	17.24	14.11	3.34	1.01	3.41386139
SFA99-064a	1	Green	25.77	14.77	3.05	1.39	3.70791367
SFA99-066a	1	Green	29.33	11.03	2.11	1.01	5.80792079
SFA99-066b	1	Green	17.42	8.97	2.43	0.45	7.74222222
SFA99-067a	1	Green	37.84	12.87	2.38	1.81	4.18121547
SFA99-067b	1	Green	16.53	6.54	1.79	0.25	13.224
SFA99-067d	1	Green	13.71	10.20	2.03	0.43	6.37674419
SFA99-067e	1	Green	13.53	12.41	3.03	0.55	4.92

Table A.14 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
SFA99-067f	1	Green	11.71	10.70	1.92	0.25	9.368
SFA99-067g	1	Green	11.33	7.61	2.16	0.24	9.44166667
SFA99-069a	1	Green	16.51	13.01	2.65	0.83	3.97831325
SFA99-070a	1	Green	12.97	8.52	2.15	0.24	10.8083333
SFA99-070b	1	Green	9.23	7.95	2.11	0.16	11.5375
SFA99-071a	1	Green	20.93	9.65	1.75	0.54	7.75185185
SFA99-073a	1	Green	21.90	10.31	2.84	0.78	5.61538462
SFA99-073b	1	Green	18.89	9.91	3.11	0.64	5.903125
SFA99-074a	1	Green	11.66	13.77	3.29	0.47	4.96170213
SFA99-076a	1	Green	14.77	10.34	3.05	0.63	4.68888889
SFA99-077a	1	Green	16.15	13.17	2.94	0.71	4.54929577
SFA99-077b	1	Green	8.06	15.19	4.05	0.38	4.24210526
SFA99-078a	1	Green	11.01	6.15	1.82	0.12	18.35
SFA99-081a	1	Green	26.21	14.75	3.48	1.80	2.91222222
SFA99-082b	1	Green	28.11	11.45	2.79	1.19	4.72436975
SFA99-083a	1	Green	27.73	9.23	2.74	0.99	5.6020202
SFA99-084a	1	Green	14.17	11.41	2.50	0.50	5.668
SFA99-085a	1	Green	25.53	10.70	2.29	0.92	5.55
SFA99-085b	1	Green	24.62	10.87	2.29	0.84	5.86190476
SFA99-085c	1	Green	4.27	11.40	3.35	0.14	6.1
SFA99-088c	1	Green	28.37	15.22	3.10	1.33	4.26616541
SFA99-088d	1	Green	24.25	7.31	1.20	0.35	13.8571429
SFA99-088e	1	Green	17.10	11.72	1.93	0.48	7.125
SFA99-088f	1	Green	17.03	8.73	1.94	0.42	8.10952381
SFA99-088g	1	Green	16.91	9.93	2.32	0.44	7.68636364
SFA99-088h	1	Green	15.16	11.89	3.81	0.73	4.15342466
SFA99-088i	1	Green	14.48	9.10	1.88	0.26	11.1384615
SFA99-088j	1	Green	12.83	9.03	1.96	0.33	7.77575758
SFA99-089a	1	Green	37.87	15.98	3.45	2.64	2.86893939
SFA99-089c	1	Green	10.60	10.20	1.62	0.28	7.57142857
SFA99-090a	1	Green	19.85	10.09	2.87	0.81	4.90123457
SFA99-090b	1	Green	14.18	12.35	1.69	0.38	7.46315789
SFA99-090c	1	Green	10.93	10.06	1.58	0.26	8.40769231
SFA99-093b	1	Green	19.84	8.29	1.92	0.37	10.7243243
SFA99-094a	1	Green	24.40	12.11	2.70	1.07	4.56074766
SFA99-094b	1	Green	18.91	9.29	3.34	0.71	5.32676056
SFA99-094c	1	Green	19.08	11.44	3.45	0.80	4.77
SFA99-094e	1	Green	11.21	11.09	3.42	0.41	5.46829268
SFA99-096a	1	Green	13.19	8.10	2.02	0.29	9.09655172
SFA99-099a	1	Green	32.74	6.25	2.13	0.52	12.5923077
SFA99-099b	1	Green	23.11	11.30	2.05	0.76	6.08157895
SFA99-099d	1	Green	12.55	7.86	1.83	0.20	12.55
SFA99-099e	1	Green	10.80	6.92	2.70	0.18	12
SFA99-099f	1	Green	7.06	10.45	3.27	0.31	4.55483871
SFA99-100a	1	Green	21.50	6.09	1.81	0.30	14.3333333
SFA99-101a	1	Green	19.02	11.93	2.65	0.81	4.6962963
SFA99-107a	1	Green	19.16	10.62	2.38	0.58	6.60689655

Table A.14 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
SFA99-107b	1	Green	15.75	7.85	1.52	0.22	14.3181818
SFA99-109a	1	Green	25.83	15.60	3.41	1.74	2.96896552
SFA99-110a	1	Green	31.87	9.41	1.82	0.81	7.8691358
SFA99-111a	1	Green	21.99	9.86	2.38	0.56	7.85357143
SFA99-112b	1	Green	17.07	13.23	2.12	0.70	4.87714286
SFA99-112c	1	Green	12.45	7.30	1.37	0.19	13.1052632
SFA99-114a	1	Green	31.75	13.93	3.23	1.83	3.46994536
SFA99-114b	1	Green	15.60	15.87	2.54	0.77	4.05194805
SFA99-115a	1	Green	8.84	9.69	1.87	0.17	10.4
SFA99-117a	1	Green	19.98	7.69	1.82	0.40	9.99
SFA99-117b	1	Green	14.07	9.99	1.29	0.21	13.4
SFA99-117c	1	Green	12.48	11.01	2.13	0.40	6.24
SFA99-117d	1	Green	12.11	8.64	1.75	0.22	11.0090909
SFA99-117e	1	Green	10.92	11.80	2.27	0.34	6.42352941
SFA99-117f	1	Green	10.37	9.83	1.99	0.25	8.296
SFA99-118a	1	Green	22.24	11.76	1.81	0.56	7.94285714
SFA99-119a	1	Green	25.71	8.75	1.92	0.60	8.57
SFA99-121b	1	Green	23.27	10.53	1.98	0.66	7.05151515
SFA99-122b	1	Green	21.08	7.25	2.00	0.36	11.71111111
SFA99-122c	1	Green	19.54	9.36	1.49	0.47	8.31489362
SFA99-122d	1	Green	17.20	7.99	1.69	0.32	10.75
SFA99-122f	1	Green	12.33	9.01	2.18	0.29	8.50344828
SFA99-123a	1	Green	17.89	10.32	2.23	0.57	6.27719298
SFA99-126a	1	Green	21.52	10.33	2.37	0.67	6.4238806
SFA99-129b	1	Green	16.02	9.41	1.69	0.38	8.43157895
SFA99-129c	1	Green	10.83	11.01	1.89	0.33	6.56363636
SFA99-129d	1	Green	11.15	8.42	1.43	0.20	11.15
SFA99-133a	1	Green	12.18	9.41	2.16	0.34	7.16470588
SFA99-134a	1	Green	11.86	8.96	1.94	0.27	8.78518519
SFA99-138a	1	Green	20.85	11.08	2.81	0.86	4.84883721
SFA99-138b	1	Green	13.76	9.09	2.42	0.36	7.64444444
SFA99-138e	1	Green	12.38	8.99	1.50	0.20	12.38
SFA99-139a	1	Green	38.30	13.51	4.50	2.54	3.01574803
SFA99-140a	1	Green	22.75	8.70	2.21	0.49	9.28571429
SFA99-140b	1	Green	21.28	8.48	1.99	0.45	9.45777778
SFA99-142a	1	Green	18.21	8.32	1.90	0.37	9.84324324
SFA99-142b	1	Green	15.57	9.80	2.35	0.42	7.41428571
SFA99-142d	1	Green	9.52	9.80	2.00	0.27	7.05185185
SFA99-142e	1	Green	10.12	8.26	1.88	0.17	11.9058824
SFA99-144a	1	Green	23.44	10.98	3.29	1.08	4.34074074
SFA99-144c	1	Green	16.24	9.16	2.48	0.40	8.12
SFA99-144d	1	Green	14.44	11.25	3.25	0.58	4.97931034
SFA99-144e	1	Green	12.54	12.02	2.75	0.42	5.97142857
SFA99-145a	1	Green	25.95	14.62	2.51	1.21	4.2892562
SFA99-145b	1	Green	15.63	11.00	2.17	0.43	7.26976744
SFA99-146b	1	Green	16.18	8.31	2.53	0.44	7.35454545
SFA99-146c	1	Green	16.14	11.46	2.87	0.65	4.96615385

Table A.14 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
SFA99-146d	1	Green	16.93	8.63	1.58	0.33	10.2606061
SFA99-148b	1	Green	18.11	11.83	2.04	0.63	5.74920635
SFA99-148c	1	Green	15.62	11.02	2.19	0.53	5.89433962
SFA99-148d	1	Green	15.59	8.44	1.93	0.32	9.74375
SFA99-149b	1	Green	29.59	10.32	2.86	1.00	5.918
SFA99-150b	1	Green	42.37	12.79	2.76	1.99	4.25829146
SFA99-150c	1	Green	34.63	12.23	2.45	1.30	5.32769231
SFA99-150d	1	Green	30.67	18.01	2.23	1.71	3.5871345
SFA99-150f	1	Green	20.37	10.33	2.04	0.52	7.83461538
SFA99-150g	1	Green	18.10	11.00	2.47	0.44	8.22727273
SFA99-150i	1	Green	14.06	9.91	2.49	0.44	6.39090909
SFA99-150j	1	Green	11.31	7.91	2.67	0.21	10.7714286
SFA99-150k	1	Green	8.86	9.99	2.22	0.20	8.86
SFA99-151a	1	Green	30.67	12.82	2.69	1.44	4.25972222
SFA99-151b	1	Green	21.33	14.08	3.44	1.31	3.25648855
SFA99-151e	1	Green	18.28	8.36	2.17	0.46	7.94782609
SFA99-151h	1	Green	7.45	12.22	2.68	0.32	4.65625
SFA99-152a	1	Green	34.58	11.06	2.52	1.23	5.62276423
SFA99-153a	1	Green	24.83	9.67	2.09	0.67	7.4119403
SFA99-153d	1	Green	12.95	8.68	2.33	0.29	8.93103448
SFA99-154aa	1	Green	12.79	11.57	2.34	0.35	7.30857143
SFA99-154b	1	Green	34.05	10.90	2.77	1.28	5.3203125
SFA99-154bb	1	Green	11.57	10.03	2.14	0.33	7.01212121
SFA99-154c	1	Green	33.48	10.85	2.51	1.05	6.37714286
SFA99-154cc	1	Green	13.13	10.05	2.10	0.24	10.9416667
SFA99-154dd	1	Green	10.78	8.59	2.04	0.24	8.98333333
SFA99-154e	1	Green	30.64	9.00	2.32	0.73	8.39452055
SFA99-154f	1	Green	27.13	13.67	3.47	1.60	3.39125
SFA99-154i	1	Green	26.31	7.48	2.16	0.51	10.3176471
SFA99-154j	1	Green	22.94	13.54	1.95	0.62	7.4
SFA99-154m	1	Green	18.52	10.90	1.52	0.30	12.3466667
SFA99-154n	1	Green	16.15	7.93	1.59	0.23	14.0434783
SFA99-154o	1	Green	17.96	6.46	2.71	0.34	10.5647059
SFA99-154p	1	Green	16.90	8.13	1.81	0.31	10.9032258
SFA99-154q	1	Green	16.32	7.78	1.66	0.34	9.6
SFA99-154r	1	Green	15.43	7.98	1.62	0.32	9.64375
SFA99-154s	1	Green	15.69	9.00	2.09	0.32	9.80625
SFA99-154t	1	Green	14.81	8.50	2.21	0.32	9.25625
SFA99-154u	1	Green	14.00	7.41	2.08	0.29	9.65517241
SFA99-154v	1	Green	14.38	9.85	1.85	0.33	8.71515152
SFA99-154w	1	Green	13.22	7.08	1.90	0.20	13.22
SFA99-154x	1	Green	12.77	8.01	1.83	0.24	10.6416667
SFA99-154y	1	Green	13.13	7.44	2.46	0.23	11.4173913
SFA99-154z	1	Green	12.99	7.94	1.64	0.23	11.2956522
SFA99-155a	1	Green	31.97	9.89	2.22	0.94	6.80212766
SFA99-155b	1	Green	24.70	7.94	2.06	0.60	8.23333333
SFA99-155d	1	Green	23.32	10.18	2.20	0.60	7.77333333

Table A.14 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
SFA99-155e	1	Green	18.36	9.81	2.18	0.46	7.9826087
SFA99-155f	1	Green	11.95	8.90	2.16	0.25	9.56
SFA99-155g	1	Green	12.70	8.65	2.39	0.29	8.75862069
SFA99-155h	1	Green	10.78	6.16	1.45	0.12	17.9666667
SFA99-155i	1	Green	10.70	9.40	2.06	0.27	7.92592593
SFA99-155j	1	Green	7.92	8.56	1.86	0.13	12.1846154
SFA99-156a	1	Green	13.49	9.30	2.94	0.48	5.62083333
SFA99-159a	1	Green	13.67	11.86	2.16	0.54	5.06296296
SFA99-159b	1	Green	10.86	8.11	2.76	0.27	8.04444444
SFA99-160b	1	Green	18.33	11.34	1.86	0.58	6.32068966
SFA99-161c	1	Green	21.19	7.31	2.23	0.41	10.3365854
SFA99-161e	1	Green	15.78	8.40	2.23	0.28	11.2714286
SFA99-161f	1	Green	12.28	11.61	2.71	0.47	5.22553191
SFA99-161g	1	Green	13.06	9.02	1.75	0.27	9.67407407
SFA99-161h	1	Green	12.65	6.75	1.22	0.14	18.0714286
SFA99-161i	1	Green	8.83	8.03	1.82	0.12	14.7166667
SFA99-161j	1	Green	8.48	8.41	1.76	0.14	12.1142857
SFA99-162a	1	Green	18.61	10.14	2.88	0.45	8.27111111
SFA99-162b	1	Green	17.99	8.54	2.13	0.44	8.17727273
SFA99-163b	1	Green	17.22	10.80	2.65	0.61	5.64590164
SFA99-163c	1	Green	13.43	6.53	1.69	0.13	20.6615385
SFA99-163d	1	Green	5.93	9.46	2.45	0.14	8.47142857
SFA99-164a	1	Green	25.14	8.14	1.59	0.39	12.8923077
SFA99-164b	1	Green	19.33	17.61	5.11	1.87	2.06737968
SFA99-165a	1	Green	32.22	7.81	1.97	0.69	9.33913043
SFA99-165ae	1	Green	17.99	8.76	2.06	0.43	8.36744186
SFA99-165d	1	Green	20.49	11.04	2.40	0.83	4.9373494
SFA99-165f	1	Green	12.05	8.26	1.54	0.23	10.4782609
SFA99-166a	1	Green	19.88	11.63	3.07	0.88	4.51818182
SFA99-166b	1	Green	20.13	8.39	2.01	0.33	12.2
SFA99-167a	1	Green	10.66	9.64	3.04	0.35	6.09142857
SFA99-168a	1	Green	14.30	8.19	1.92	0.30	9.53333333
SFA99-168b	1	Green	11.89	7.95	1.96	0.20	11.89
SFA99-169a	1	Green	10.95	8.04	2.11	0.20	10.95
SFA99-170c	1	Green	14.06	12.10	1.68	0.39	7.21025641
SFA99-170d	1	Green	13.65	9.30	2.07	0.38	7.18421053
SFA99-170e	1	Green	14.87	7.33	1.80	0.24	12.3916667
SFA99-171b	1	Green	33.91	16.25	2.85	2.40	2.82583333
SFA99-171e	1	Green	21.03	10.28	2.04	0.59	7.12881356
SFA99-171f	1	Green	17.99	9.31	1.88	0.41	8.77560976
SFA99-171h	1	Green	15.95	17.05	2.54	0.75	4.25333333
SFA99-171i	1	Green	15.32	11.71	2.05	0.54	5.67407407
SFA99-171j	1	Green	8.31	9.89	1.68	0.22	7.55454545
SFA99-171k	1	Green	6.78	9.02	2.22	0.17	7.97647059
SFA99-172a	1	Green	33.85	10.61	2.00	1.03	6.57281553
SFA99-172b	1	Green	26.50	9.94	1.77	0.64	8.28125
SFA99-172c	1	Green	25.25	12.07	2.40	0.95	5.31578947

Table A.14 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
SFA99-172d	1	Green	24.22	8.05	2.03	0.54	8.97037037
SFA99-172e	1	Green	19.12	11.72	2.62	0.75	5.09866667
SFA99-173a	1	Green	69.18	15.15	2.10	2.88	4.80416667
SFA99-173b	1	Green	20.63	9.02	2.05	0.46	8.96956522
SFA99-173c	1	Green	20.95	9.42	1.91	0.47	8.91489362
SFA99-173d	1	Green	18.55	9.45	1.64	0.37	10.027027
SFA99-173e	1	Green	13.77	8.02	2.11	0.27	10.2
SFA99-173f	1	Green	12.18	6.59	2.08	0.19	12.8210526
SFA99-173g	1	Green	9.48	6.78	1.40	0.11	17.2363636
SFA99-174a	1	Green	26.80	9.06	2.19	0.57	9.40350877
SFA99-174b	1	Green	22.34	11.27	2.52	0.74	6.03783784
SFA99-174e	1	Green	17.10	12.46	2.41	0.64	5.34375
SFA99-175a	1	Green	22.31	9.34	2.63	0.66	6.76060606
SFA99-175b	1	Green	21.23	11.04	3.74	0.96	4.42291667
SFA99-175c	1	Green	14.17	11.49	2.43	0.43	6.59069767
SFA99-175d	1	Green	12.54	7.09	1.68	0.18	13.93333333
SFA99-176a	1	Green	18.92	7.71	1.79	0.32	11.825
SFA99-176b	1	Green	18.00	8.31	1.98	0.35	10.2857143
SFA99-176c	1	Green	14.96	9.14	1.92	0.32	9.35
SFA99-176d	1	Green	9.49	7.35	1.66	0.13	14.6
SFA99-177a	1	Green	17.47	8.50	1.79	0.37	9.44324324
SFA99-178b	1	Green	14.84	7.61	1.57	0.25	11.872
SFA99-178c	1	Green	12.71	10.38	1.76	0.34	7.47647059
SFA99-178d	1	Green	10.06	11.63	1.53	0.20	10.06
SFA99-179a	1	Green	30.11	9.28	2.07	0.71	8.48169014
SFA99-179c	1	Green	24.52	9.10	1.91	0.66	7.43030303
SFA99-179d	1	Green	23.62	8.87	2.32	0.55	8.58909091
SFA99-179e	1	Green	18.43	12.20	2.39	0.77	4.78701299
SFA99-179f	1	Green	18.81	12.37	2.92	0.82	4.58780488
SFA99-179g	1	Green	15.37	10.07	1.74	0.36	8.53888889
SFA99-179h	1	Green	11.89	7.51	2.06	0.23	10.3391304
SFA99-179j	1	Green	8.73	6.87	1.38	0.12	14.55
SFA99-180b	1	Green	19.71	11.86	2.52	0.80	4.9275
SFA99-180e	1	Green	11.19	9.69	1.83	0.26	8.60769231
SFA99-181a	1	Green	24.10	12.07	2.40	0.96	5.02083333
SFA99-181b	1	Green	16.49	10.51	1.96	0.43	7.66976744
SFA99-181c	1	Green	7.34	10.56	2.73	0.20	7.34
SFA99-182a	1	Green	22.77	8.29	2.03	0.44	10.35
SFA99-183a	1	Green	23.87	9.49	2.32	0.61	7.82622951
SFA99-183b	1	Green	14.04	8.98	1.71	0.29	9.68275862
SFA99-183c	1	Green	10.64	9.60	1.54	0.19	11.2
SFA99-184a	1	Green	22.58	8.76	1.90	0.49	9.21632653
SFA99-184b	1	Green	23.00	10.09	2.29	0.65	7.07692308
SFA99-184c	1	Green	22.05	9.94	1.83	0.58	7.60344828
SFA99-184e	1	Green	18.47	10.48	2.24	0.53	6.96981132
SFA99-184f	1	Green	17.78	7.74	1.84	0.34	10.4588235
SFA99-184i	1	Green	9.07	9.72	2.07	0.14	12.9571429

Table A.14 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
SFA99-185b	1	Green	21.00	9.37	1.99	0.52	8.07692308
SFA99-185c	1	Green	10.71	10.89	3.07	0.43	4.98139535
SFA99-185d	1	Green	8.30	8.10	1.88	0.15	11.0666667
SFA99-186a	1	Green	16.25	8.80	2.04	0.41	7.92682927
SFA99-010a	1	Black	16.35	8.67	2.16	0.31	10.5483871
SFA99-014b	1	Black	21.78	11.47	2.20	0.70	6.22285714
SFA99-015c	1	Black	16.86	4.94	2.13	0.28	12.0428571
SFA99-165g	1	Black	11.33	7.39	2.86	0.28	8.09285714
SFA99-165i	1	Black	10.33	7.29	2.43	0.19	10.8736842
SFA99-022n	1	Gray	23.81	9.71	2.71	0.88	5.41136364
SFA99-001c	1	Gray	22.72	9.98	3.06	0.76	5.97894737
SFA99-002a	1	Gray	23.09	17.44	3.35	1.68	2.74880952
SFA99-006b	1	Gray	16.70	3.88	1.51	0.13	25.6923077
SFA99-010b	1	Gray	19.03	7.48	4.14	0.36	10.5722222
SFA99-014a	1	Gray	23.21	17.43	2.66	1.60	2.90125
SFA99-014c	1	Gray	18.36	11.26	2.64	0.71	5.17183099
SFA99-015f	1	Gray	6.97	7.38	2.24	0.14	9.95714286
SFA99-018e	1	Gray	20.86	15.64	5.10	2.01	2.07562189
SFA99-021g	1	Gray	15.85	7.72	2.55	0.42	7.54761905
SFA99-023mm	1	Gray	25.49	15.14	2.92	1.28	3.9828125
SFA99-025b	1	Gray	20.65	17.22	3.88	1.77	2.33333333
SFA99-026a	1	Gray	17.74	9.90	4.38	0.81	4.38024691
SFA99-029b	1	Gray	17.29	14.39	3.26	1.27	2.72283465
SFA99-029d	1	Gray	16.26	10.96	2.40	0.33	9.85454545
SFA99-029g	1	Gray	12.00	18.39	2.45	0.67	3.58208955
SFA99-034a	1	Gray	17.90	14.83	3.42	1.20	2.98333333
SFA99-034b	1	Gray	14.54	11.91	2.54	0.65	4.47384615
SFA99-036a	1	Gray	20.31	12.57	2.25	0.78	5.20769231
SFA99-038a	1	Gray	28.78	10.68	2.41	0.85	6.77176471
SFA99-039a	1	Gray	12.95	12.25	2.94	0.58	4.46551724
SFA99-040a	1	Gray	28.24	19.26	3.47	2.76	2.04637681
SFA99-067c	1	Gray	14.49	12.27	3.65	0.67	4.32537313
SFA99-089d	1	Gray	7.13	2.91	1.89	0.04	35.65
SFA99-094f	1	Gray	9.50	10.97	3.00	0.28	6.78571429
SFA99-097a	1	Gray	14.53	6.81	4.17	0.35	8.30285714
SFA99-105a	1	Gray	20.18	12.40	4.67	0.81	4.98271605
SFA99-112a	1	Gray	22.03	18.53	4.06	1.28	3.4421875
SFA99-120a	1	Gray	26.39	13.08	2.90	1.20	4.39833333
SFA99-122e	1	Gray	13.85	15.65	3.47	0.98	2.82653061
SFA99-129a	1	Gray	16.29	15.01	3.19	0.75	4.344
SFA99-133b	1	Gray	12.28	8.53	2.30	0.23	10.6782609
SFA99-136a	1	Gray	14.50	16.71	4.60	1.13	2.56637168
SFA99-140c	1	Gray	17.65	7.58	2.93	0.48	7.35416667
SFA99-141a	1	Gray	6.07	9.92	1.97	0.14	8.67142857
SFA99-142c	1	Gray	13.84	11.27	3.37	0.72	3.84444444
SFA99-147a	1	Gray	22.35	14.86	4.17	1.67	2.67664671
SFA99-148e	1	Gray	9.83	7.77	2.25	0.22	8.93636364

Table A.14 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
SFA99-152b	1	Gray	20.50	11.59	4.26	1.11	3.69369369
SFA99-159c	1	Gray	8.58	12.86	3.44	0.47	3.65106383
SFA99-160a	1	Gray	29.61	15.72	4.87	2.12	2.79339623
SFA99-160c	1	Gray	4.85	13.65	3.04	0.21	4.61904762
SFA99-166e	1	Gray	11.79	13.85	3.26	0.67	3.51940299
SFA99-179i	1	Gray	10.27	7.76	3.16	0.31	6.62580645
SFA99-184g	1	Gray	16.58	9.21	2.34	0.48	6.90833333
SFA99-001a	1	Gray	33.87	9.43	2.71	1.29	5.25116279
SFA99-001d	1	Gray	21.01	12.01	1.76	0.54	7.78148148
SFA99-016a	1	Gray	24.15	10.07	1.88	0.60	8.05
SFA99-023g	1	Gray	24.53	12.49	3.39	0.78	6.28974359
SFA99-023o	1	Gray	9.54	10.80	2.18	0.30	6.36
SFA99-023p	1	Gray	9.34	8.87	1.91	0.19	9.83157895
SFA99-029f	1	Gray	13.61	12.88	2.87	0.61	4.46229508
SFA99-042b	1	Gray	20.94	12.45	3.23	1.12	3.73928571
SFA99-042d	1	Gray	13.13	10.45	2.74	0.40	6.565
SFA99-138d	1	Gray	12.46	8.14	1.76	0.20	12.46
SFA99-171d	1	Gray	25.92	16.84	3.74	1.66	3.12289157
SFA99-174f	1	Gray	10.68	13.77	3.25	0.47	4.54468085
SFA99-039b	1	Gray	10.54	18.46	2.78	0.58	3.63448276
SFA99-163a	1	Gray	32.50	14.44	3.35	2.00	3.25
SFA99-166d	1	Gray	16.36	12.94	1.98	0.46	7.11304348
SFA99-178a	1	Gray	39.81	16.99	3.74	2.68	2.97089552
SFA99-187a	1	Gray	30.00	10.89	2.82	0.98	6.12244898
SFA99-025c	1	Gray	17.79	15.20	3.71	0.89	3.99775281
SFA99-025e	1	Gray	15.84	14.67	3.54	1.12	2.82857143
SFA99-028a	1	Gray	22.95	14.58	2.40	1.10	4.17272727
SFA99-001e	1	Green	17.31	10.64	3.22	0.66	5.24545455
SFA99-005b	1	Green	27.44	7.31	1.88	0.43	12.7627907
SFA99-007a	1	Green	53.67	12.94	1.65	1.36	7.89264706
SFA99-007b	1	Green	28.30	10.06	1.93	0.80	7.075
SFA99-012a	1	Green	27.41	11.45	1.89	0.77	7.11948052
SFA99-015a	1	Green	29.06	11.60	2.71	1.16	5.01034483
SFA99-015e	1	Green	9.99	9.62	2.21	0.28	7.13571429
SFA99-018d	1	Green	20.27	12.48	3.26	0.87	4.65977011
SFA99-019a	1	Green	48.89	13.81	2.96	2.86	3.41888112
SFA99-019d	1	Green	21.85	9.86	2.38	0.66	6.62121212
SFA99-019e	1	Green	21.05	9.93	2.61	0.67	6.28358209
SFA99-020a	1	Green	92.95	8.31	2.66	3.06	6.0751634
SFA99-020l	1	Green	14.66	9.96	3.79	0.45	6.51555556
SFA99-021c	1	Green	24.14	7.29	1.89	0.41	11.7756098
SFA99-021e	1	Green	19.27	8.45	2.01	0.41	9.4
SFA99-022a	1	Green	49.73	16.37	2.33	2.61	3.81072797
SFA99-022b	1	Green	26.93	10.18	2.52	0.78	6.90512821
SFA99-022c	1	Green	38.67	13.05	3.09	1.90	4.07052632
SFA99-022d	1	Green	35.17	11.38	2.94	1.28	5.4953125
SFA99-022dd	1	Green	16.14	11.19	3.57	0.71	4.54647887

Table A.14 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
SFA99-022e	1	Green	18.83	9.59	1.90	0.42	8.96666667
SFA99-022hh	1	Green	15.34	8.49	2.07	0.33	9.2969697
SFA99-022i	1	Green	28.27	13.09	2.59	1.13	5.00353982
SFA99-022jj	1	Green	13.27	8.81	2.49	0.30	8.84666667
SFA99-022kk	1	Green	14.25	8.26	2.04	0.27	10.5555556
SFA99-022m	1	Green	24.40	10.71	2.32	0.75	6.50666667
SFA99-022s	1	Green	22.75	14.47	3.20	1.27	3.58267717
SFA99-022v	1	Green	20.75	10.02	2.09	0.46	9.02173913
SFA99-022z	1	Green	18.51	9.96	2.82	0.53	6.98490566
SFA99-023b	1	Green	41.05	14.67	3.17	2.98	2.75503356
SFA99-023c	1	Green	31.26	10.24	2.11	0.84	7.44285714
SFA99-023i	1	Green	18.45	5.98	1.97	0.26	14.1923077
SFA99-024a	1	Green	49.87	10.69	2.49	1.89	5.27724868
SFA99-024e	1	Green	25.97	13.23	2.98	1.41	3.68368794
SFA99-024f	1	Green	14.49	14.04	3.70	0.78	3.71538462
SFA99-027a	1	Green	28.82	10.08	2.13	0.84	6.86190476
SFA99-029a	1	Green	24.22	7.87	1.80	0.52	9.31538462
SFA99-033a	2	Green	26.72	12.03	2.18	0.89	6.00449438
SFA99-042c	1	Green	18.19	11.51	3.20	0.64	5.684375
SFA99-045b	1	Green	18.85	10.21	3.03	0.72	5.23611111
SFA99-046b	1	Green	28.00	8.87	2.00	0.68	8.23529412
SFA99-046e	1	Green	14.25	8.51	1.98	0.29	9.82758621
SFA99-047d	1	Green	9.73	10.51	2.44	0.32	6.08125
SFA99-055a	1	Green	32.09	12.47	3.81	1.77	3.6259887
SFA99-056a	1	Green	30.69	11.40	3.19	1.22	5.03114754
SFA99-057c	1	Green	17.31	8.33	2.09	0.36	9.61666667
SFA99-061a	1	Green	25.91	8.47	2.48	0.68	7.62058824
SFA99-082a	1	Green	30.69	7.94	2.34	0.66	9.3
SFA99-088a	1	Green	36.51	11.98	1.98	1.22	5.9852459
SFA99-093a	1	Green	22.98	9.81	3.21	0.65	7.07076923
SFA99-118b	1	Green	20.68	8.96	1.69	0.41	10.0878049
SFA99-121a	1	Green	26.37	10.77	1.93	0.71	7.42816901
SFA99-121c	1	Green	13.68	10.24	2.05	0.30	9.12
SFA99-122a	1	Green	23.58	8.49	1.84	0.49	9.6244898
SFA99-127a	1	Green	36.50	10.30	2.24	1.01	7.22772277
SFA99-144b	1	Green	20.23	11.01	2.92	0.71	5.69859155
SFA99-146a	1	Green	30.03	9.37	2.41	0.78	7.7
SFA99-148a	1	Green	41.41	10.75	2.11	1.23	6.73333333
SFA99-149c	1	Green	22.28	15.66	2.26	0.90	4.95111111
SFA99-150a	1	Green	45.06	10.84	2.50	1.49	6.04832215
SFA99-150e	1	Green	25.40	13.55	2.86	1.20	4.23333333
SFA99-150l	1	Green	10.99	8.16	2.78	0.21	10.46666667
SFA99-151d	1	Green	21.10	12.92	2.68	0.89	4.74157303
SFA99-151i	1	Green	8.47	11.20	2.65	0.27	6.27407407
SFA99-152c	1	Green	17.64	10.77	2.45	0.60	5.88
SFA99-153b	1	Green	24.43	11.40	2.98	0.99	4.93535354
SFA99-153c	1	Green	18.26	5.68	1.61	0.21	17.3904762

Table A.14 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
SFA99-154d	1	Green	31.63	9.04	1.43	0.56	11.2964286
SFA99-154k	1	Green	20.20	10.20	1.81	0.51	7.92156863
SFA99-154l	1	Green	21.59	9.16	2.73	0.59	7.31864407
SFA99-155c	1	Green	24.13	13.77	3.04	1.32	3.65606061
SFA99-161b	1	Green	22.64	10.59	2.86	0.71	6.37746479
SFA99-165b	1	Green	31.68	6.85	3.00	0.68	9.31764706
SFA99-165c	1	Green	22.25	11.78	2.79	0.86	5.1744186
SFA99-170a	1	Green	35.68	12.19	2.79	1.53	4.66405229
SFA99-170b	1	Green	27.86	10.32	2.52	0.91	6.12307692
SFA99-171a	1	Green	36.29	9.38	2.03	0.89	8.15505618
SFA99-174c	1	Green	20.84	15.11	2.96	1.08	3.85925926
SFA99-179b	1	Green	27.73	11.33	2.74	1.19	4.6605042
SFA99-180a	1	Green	51.79	14.73	3.40	3.17	3.26750789
SFA99-180d	1	Green	10.88	12.37	3.36	0.44	4.94545455
SFA99-184h	1	Green	10.37	10.02	2.37	0.24	8.64166667
SFA99-184d	1	Gray	18.78	8.23	1.94	0.35	10.7314286
SFA99-005a	1	Gray	30.60	8.12	2.57	0.72	8.5
SFA99-022u	1	Gray	23.17	8.51	2.47	0.48	9.65416667
SFA99-126b	1	Gray	11.54	12.37	3.18	0.63	3.66349206
SFA99-138c	1	Gray	15.45	11.37	3.62	0.68	4.54411765
SFA99-140d	1	Gray	15.93	11.53	2.10	0.47	6.7787234
SFA99-144f	1	Gray	9.76	7.72	2.12	0.20	9.76
SFA99-161a	1	Gray	29.97	14.22	3.76	2.15	2.78790698
SFA99-137a	1	Gray	20.47	10.65	3.00	0.78	5.24871795
SFA99-137b	1	Gray	16.60	10.20	2.46	0.68	4.88235294
SFA99-185a	1	Gray	22.40	15.11	3.94	1.42	3.15492958
SFA99-162d	1	Green	16.01	12.82	3.41	0.60	
SFA99-162c	1	Gray	25.11	10.69	2.59	0.79	
TOTALS:	1016		Avg 19.48	Avg 10.22	Avg 2.37	Sum 617.25	Avg 7.95700228
						s.d. =	3.55211182

Table A.15 Charco Redondo 1986 (RV1) artifacts

FS#	Artifact Category	Blade Segment	Notes
RV1-014b	Chunk		
RV1-015-9a	Chunk		
RV1-017c	Chunk		
RV1-017d	Chunk		
RV1-107a	Chunk		
RV1-003a	Chunk		One flat facet/platform; otherwise, irregular shape
RV1-008b	Chunk		
RV1-017b	Chunk		
RV1-105b	Chunk		
RV1-104d	Chunk		
RV1-014d	Flake		
RV1-015-9b	Flake		
RV1-015-9c	Flake		
RV1-015f	Flake		
RV1-016h	Flake		
RV1-016i	Flake		
RV1-016k	Flake		
RV1-017f	Flake		
RV1-018a	Flake		
RV1-018b	Flake		
RV1-114b	Flake		Percussion flake
RV1-004a	Flake		Bulb present, but platform shattered
RV1-005a	Flake		
RV1-005b	Flake		
RV1-005c	Flake		
RV1-005d	Flake		
RV1-005e	Flake		
RV1-006c	Flake		
RV1-008a	Flake		
RV1-013a	Flake		
RV1-013b	Flake		
RV1-014c	Flake		
RV1-015c	Flake		No scarring; interesting shape
RV1-015d	Flake		Flake scarring on proximal end; possibly removed to remove an irregular ridge on core
RV1-016e	Flake		
RV1-016g	Flake		
RV1-016j	Flake		
RV1-018c	Flake		
RV1-053f	Flake		
RV1-121a	Flake		Pressure flake
RV1-006d	Flake		
RV1-010a	Flake		
RV1-014a	Flake		

Table A.15 cont.

FS#	Artifact Category	Blade Segment	Notes
RV1-016f	Flake		
RV1-017a	Flake		
RV1-017e	Flake		
RV1-018d	Flake		
RV1-053g	Flake		
RV1-114a	Flake		Percussion flake
			Core rejuvenation flake; distal end of core; several blade scars/arrises present; may also simply be a plunging blade (see Clark and Bryant 1997:121)
RV1-054a	Flake		
RV1-006b	Flake		
RV1-013d	Flake		
RV1-053d	Prismatic Blade	Distal	Final-stage blade; hinge fracture on dorsal side at distal end
RV1-103b	Prismatic Blade	Distal	Final-stage blade; hinge fracture present on dorsal side of distal end
RV1-103d	Prismatic Blade	Distal	Final-stage blade
RV1-103m	Prismatic Blade	Distal	Final-stage blade; hinge fracture present on dorsal side of distal end
RV1-103p	Prismatic Blade	Distal	Final-stage blade; hinge fracture present on dorsal side of distal end
RV1-011b	Prismatic Blade	Distal	Very end broken off; final-series blade
RV1-011c	Prismatic Blade	Distal	Minor flaking on ventral side at tip of blade; also previous blade removal scarring on dorsal side; final series blade
RV1-016d	Prismatic Blade	Distal	Probable second stage blade - irregular ridge and edges; scarring on ventral side at both proximal and distal ends
RV1-051a	Prismatic Blade	Distal	Final-stage blade; hinge fracture on dorsal side at distal end
RV1-056a	Prismatic Blade	Distal	Final-stage blade; hinge fracture present on dorsal side of distal end
RV1-050p	Prismatic Blade	Distal	Broken off distal tip; very slight outré passé curving
RV1-052e	Prismatic Blade	Distal	Final-stage blade; hinge fracture on dorsal side at distal end
RV1-053c	Prismatic Blade	Distal	Final-stage blade; hinge fracture on dorsal side at distal end
RV1-052c	Prismatic Blade	Distal	Final-stage blade; hinge fracture on dorsal side at distal end
RV1-052d	Prismatic Blade	Distal	Final-stage blade
RV1-052h	Prismatic Blade	Distal	Final-stage blade; hinge fracture on dorsal side at distal end

Table A.15 cont.

FS#	Artifact Category	Blade Segment	Notes
RV1-023a	Prismatic Blade	Distal	Final-stage blade; distal end still intact; slight outré passé curve
RV1-001b	Prismatic Blade	Medial	Surface collection; final series blade
RV1-002a	Prismatic Blade	Medial	
RV1-006a	Prismatic Blade	Medial	Final series blade
RV1-023b	Prismatic Blade	Medial	Very strange piece; very porous, almost as if the piece has been burned; feels much lighter, almost like pumice; gives off an iridescent color in addition to the green; has the blade shape with triangular cross-section; looks like it had been snapped off prior to whatever process it underwent
RV1-050j	Prismatic Blade	Medial	Final-stage blade
RV1-050l	Prismatic Blade	Medial	Final-stage blade
RV1-051b	Prismatic Blade	Medial	Final-stage blade; extensive striations parallel to lateral edge on both ventral and dorsal surfaces; also a lot of microflaking with some edge crushing - edges are very blunt
RV1-051d	Prismatic Blade	Medial	Final-stage blade
RV1-051f	Prismatic Blade	Medial	Final-stage blade
RV1-052f	Prismatic Blade	Medial	Final-stage blade
RV1-052i	Prismatic Blade	Medial	Final-stage blade
RV1-054d	Prismatic Blade	Medial	Final-stage blade
RV1-101a	Prismatic Blade	Medial	Very fracture blade fragment
RV1-102a	Prismatic Blade	Medial	Final-stage blade
RV1-102c	Prismatic Blade	Medial	Final-stage blade; lots of pressure flakes on dorsal side
RV1-103e	Prismatic Blade	Medial	Final-stage blade
RV1-103f	Prismatic Blade	Medial	Final-stage blade; near distal end
RV1-103g	Prismatic Blade	Medial	Final-stage blade
RV1-103i	Prismatic Blade	Medial	Final-stage blade

Table A.15 cont.

FS#	Artifact Category	Blade Segment	Notes
RV1-103k	Prismatic Blade	Medial	Final-stage blade
RV1-103o	Prismatic Blade	Medial	Final-stage blade
RV1-103a	Prismatic Blade	Medial	Final-stage blade
RV1-103n	Prismatic Blade	Medial	Final-stage blade
RV1-103q	Prismatic Blade	Medial	Final-stage blade
RV1-104a	Prismatic Blade	Medial	Final-stage blade
RV1-104b	Prismatic Blade	Medial	Final-stage blade
RV1-015a	Prismatic Blade	Medial	Final stage blade
RV1-022a	Prismatic Blade	Medial	Final-stage blade
RV1-050b	Prismatic Blade	Medial	Final-stage blade; snapped length-wise; heavy flake scarring on ventral side
RV1-050f	Prismatic Blade	Medial	Final-stage blade
RV1-050g	Prismatic Blade	Medial	Final-stage blade
RV1-050i	Prismatic Blade	Medial	Possibly near dorsal end - trapezoidal shape tapering to triangular; final-stage blade
RV1-050m	Prismatic Blade	Medial	Final-stage blade
RV1-051c	Prismatic Blade	Medial	Second-stage blade; irregular arrises across dorsal face; lots of damages to lateral edges
RV1-052j	Prismatic Blade	Medial	Final-stage blade
RV1-054c	Prismatic Blade	Medial	Final-stage blade
RV1-054e	Prismatic Blade	Medial	Final-stage blade
RV1-055a	Prismatic Blade	Medial	Final-stage blade
RV1-103l	Prismatic Blade	Medial	Final-stage blade
RV1-016b	Prismatic Blade	Medial	Larger, wide blade; final stage blade
RV1-052a	Prismatic Blade	Medial	Final-stage blade
RV1-053e	Prismatic Blade	Medial	Final-stage blade

Table A.15 cont.

FS#	Artifact Category	Blade Segment	Notes
RV1-102b	Prismatic Blade	Medial	Final-stage blade
RV1-050h	Prismatic Blade	Medial	Final-stage blade
RV1-050o	Prismatic Blade	Medial	Final-stage blade; several flake scars on ventral side
RV1-052b	Prismatic Blade	Medial	Final-stage blade
RV1-052g	Prismatic Blade	Medial	Final-stage blade
RV1-052k	Prismatic Blade	Medial	Final-stage blade
RV1-053a	Prismatic Blade	Medial	Final-stage blade
RV1-019a	Prismatic Blade	Medial	Final-stage blade; cross-section goes from trapezoidal to triangular at the distal end - possibly near distal end of complete blade; pressure ridge at proximal end
RV1-011a	Prismatic Blade	Proximal	Ground platform; some overhang removal; final series blade
RV1-050d	Prismatic Blade	Proximal	Probable second-stage blade - irregular; bulb on ventral side; platform also irregular, but no grounding
RV1-050k	Prismatic Blade	Proximal	Final-stage blade; small bulb on ventral side; platform with grounding evidence
RV1-054b	Prismatic Blade	Proximal	Second-stage blade; irregular arrises; slightly ground platform
RV1-055b	Prismatic Blade	Proximal	Second-stage blade; irregular arrises; bulb on ventral, proximal end; crushed platform
RV1-103c	Prismatic Blade	Proximal	Final-stage blade
RV1-103h	Prismatic Blade	Proximal	Final-stage blade; ground platform
RV1-103j	Prismatic Blade	Proximal	Final-stage blade; ground platform
RV1-104c	Prismatic Blade	Proximal	Final-stage blade; ground platform
RV1-105a	Prismatic Blade	Proximal	Second-stage blade; irregular arrises and lateral edges; ground platform
RV1-013c	Prismatic Blade	Proximal	Early stage blade; probably percussion flaked - large bulb on ventral side; flake scarring on dorsal side
RV1-050n	Prismatic Blade	Proximal	Second-stage blade; pressure flaking scars on dorsal side; percussion scarring on ventral side
RV1-120a	Prismatic Blade	Proximal	Very poor blade fragment; percussion and pressure flaking on dorsal side

Table A.15 cont.

FS#	Artifact Category	Blade Segment	Notes
RV1-001a	Prismatic Blade	Proximal	Surface collection; Platform grounding; no overhang removal; final series blade
RV1-012-6a	Prismatic Blade	Proximal	Possible early stage blade; one flat facet across distal side, ventral side very smooth with very tiny flake scars around proximal tip, possibly point of impact; distal end broken
RV1-050a	Prismatic Blade	Proximal	Second-stage blade; very small platform, no grinding present; large bulb on ventral side
RV1-050c	Prismatic Blade	Proximal	Second-stage blades; large bulb on ventral side; pressure flaking on dorsal side; ground platform
RV1-050e	Prismatic Blade	Proximal	Probable second-stage blade; irregular shape; bulb on ventral side; platform w/ grounding
RV1-051e	Prismatic Blade	Proximal	Final-stage blade; ground platform
RV1-052l	Prismatic Blade	Proximal	Early-stage blade; small platform present - slight amount of grounding; large bulb on ventral side; pressure scars on dorsal side
RV1-056b	Prismatic Blade	Proximal	Second-stage blade; irregular arrises; bulb on ventral, proximal end; crushed platform
RV1-015b	Prismatic Blade	Proximal	Possible early stage blade; prismatic dorsal surface w/ ventral surface very flaked up; appears to be near the proximal end of percussive blade removal
RV1-015e	Prismatic Blade	Proximal	Possible early stage blade; platform crushed, but bulb of percussion evident on ventral side; previous blade removal on dorsal side
RV1-016c	Prismatic Blade	Proximal	Possible platform - flake scar and proximal, ventral end; also scarring on ventral side at distal end; final stage blade
RV1-053b	Prismatic Blade	Proximal	Final-stage blade; ground platform
RV1-016a	Projectile Point		Retouched prismatic blade, proximal end - part of bulb still present under point tip; possible error in manufacture at distal end - large pressure flake removed a whole corner

Table A.16 RV1 artifact measurements

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV1-014b	1	Gray	18.65	11.81	7.04	0.88	
RV1-015-9a	1	Gray	11.60	5.15	5.17	0.23	
RV1-017c	1	Gray	11.03	9.77	3.76	0.38	
RV1-017d	1	Gray	7.75	6.14	3.40	0.15	
RV1-107a	1	Gray	19.26	11.19	4.61	0.74	
RV1-003a	1	Gray	14.66	9.36	6.64	0.86	
RV1-008b	1	Gray	16.61	9.61	5.37	0.49	
RV1-017b	1	Gray	17.70	9.55	5.05	0.67	
RV1-105b	1	Gray	24.44	14.19	7.92	2.42	
RV1-104d	1	Gray	18.31	6.03	5.58	0.44	
RV1-014d	1	Clear	11.70	6.02	2.21	0.20	
RV1-015-9b	1	Clear	7.80	7.05	1.94	0.12	
RV1-015-9c	1	Clear	12.87	2.39	2.86	0.03	
RV1-015f	1	Clear	9.25	14.29	2.53	0.29	
RV1-016h	1	Clear	14.39	9.80	2.26	0.26	
RV1-016i	1	Clear	10.50	8.16	1.51	0.10	
RV1-016k	1	Clear	8.49	8.28	1.42	0.08	
RV1-017f	1	Clear	7.22	6.28	1.47	0.07	
RV1-018a	1	Clear	14.39	6.09	2.97	0.19	
RV1-018b	1	Clear	10.62	7.22	2.16	0.20	
RV1-114b	1	Clear	18.23	7.51	2.72	0.33	
RV1-004a	1	Gray	13.73	19.39	4.05	0.85	
RV1-005a	1	Gray	15.78	14.06	4.93	0.85	
RV1-005b	1	Gray	12.79	12.26	4.42	0.49	
RV1-005c	1	Gray	12.59	8.75	2.47	0.28	
RV1-005d	1	Gray	12.45	8.21	1.61	0.16	
RV1-005e	1	Gray	15.65	9.38	5.23	0.37	
RV1-006c	1	Gray	11.25	8.96	3.68	0.39	
RV1-008a	1	Gray	22.75	7.25	3.47	0.45	
RV1-013a	1	Gray	46.63	20.21	5.55	3.81	
RV1-013b	1	Gray	21.86	5.15	3.89	0.39	
RV1-014c	1	Gray	14.28	12.74	4.14	0.62	
RV1-015c	1	Gray	38.64	7.09	3.92	0.92	
RV1-015d	1	Gray	30.24	6.84	2.70	0.54	
RV1-016e	1	Gray	25.82	6.05	3.24	0.55	
RV1-016g	1	Gray	12.63	12.30	2.09	0.28	
RV1-016j	1	Gray	11.55	7.71	2.77	0.22	
RV1-018c	1	Gray	9.87	7.86	2.33	0.15	
RV1-053f	1	Gray	11.11	8.93	2.01	0.23	
RV1-121a	1	Gray	11.03	4.83	2.04	0.12	
RV1-006d	1	Gray	9.03	8.70	2.05	0.10	
RV1-010a	1	Gray	11.74	8.01	2.42	0.22	
RV1-014a	1	Gray	14.46	15.71	2.90	0.59	
RV1-016f	1	Gray	15.70	9.43	2.72	0.32	
RV1-017a	1	Gray	16.26	11.35	2.41	0.46	

Table A.16 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV1-017e	1	Gray	11.73	5.95	1.83	0.13	
RV1-018d	1	Gray	10.12	6.82	1.08	0.06	
RV1-053g	1	Gray	12.07	6.66	3.17	0.11	
RV1-114a	1	Gray	17.73	10.36	2.77	0.43	
RV1-054a	1	Green	25.62	12.54	4.48	1.45	
RV1-006b	1	Green	8.60	9.04	3.75	0.31	
RV1-013d	1	Green	16.39	13.84	4.09	0.78	
			Avg	Avg	Avg		
			15.37	9.27	2.91		
RV1-053d	1	Green	14.90	7.92	1.90	0.31	9.61290323
RV1-103b	1	Green	24.67	9.87	2.12	0.64	7.709375
RV1-103d	1	Green	23.94	7.86	2.04	0.39	12.2769231
RV1-103m	1	Green	12.21	9.21	1.70	0.25	9.768
RV1-103p	1	Green	8.73	9.56	1.91	0.22	7.93636364
RV1-011b	1	Clear	19.61	8.08	2.58	0.48	8.17083333
RV1-011c	1	Clear	18.77	10.91	3.34	0.59	6.36271186
RV1-016d	1	Gray	19.17	16.97	4.11	1.18	3.24915254
RV1-051a	1	Gray	33.44	8.64	2.52	0.97	6.89484536
RV1-056a	1	Gray	31.42	11.39	3.67	1.66	3.78554217
RV1-050p	1	Gray	10.30	8.46	2.41	0.17	12.1176471
RV1-052e	1	Gray	17.02	9.80	3.37	0.66	5.15757576
RV1-053c	1	Gray	17.11	11.88	2.58	0.70	4.88857143
RV1-052c	1	Gray	20.11	11.32	2.95	0.85	4.73176471
RV1-052d	1	Gray	17.92	10.70	1.77	0.49	7.31428571
RV1-052h	1	Gray	9.66	9.62	2.39	0.29	6.66206897
RV1-023a	1	Gray	38.05	10.48	2.80	1.12	6.79464286
RV1-001b	1	Green	21.93	14.05	2.64	0.88	4.98409091
RV1-002a	1	Green	10.10	9.37	2.44	0.29	6.96551724
RV1-006a	1	Green	11.58	9.42	2.29	0.34	6.81176471
RV1-023b	1	Green	20.43	12.95	5.72	1.88	2.17340426
RV1-050j	1	Green	16.53	9.66	3.38	0.65	5.08615385
RV1-050l	1	Green	16.12	11.06	1.54	0.40	8.06
RV1-051b	1	Green	24.04	13.84	4.28	1.82	2.64175824
RV1-051d	1	Green	21.39	6.90	1.84	0.33	12.9636364
RV1-051f	1	Green	14.20	7.28	2.11	0.29	9.79310345
RV1-052f	1	Green	14.68	9.83	2.00	0.41	7.16097561
RV1-052i	1	Green	8.89	9.90	2.06	0.24	7.40833333
RV1-054d	1	Green	13.17	8.43	1.94	0.28	9.40714286
RV1-101a	1	Green	16.92	14.54	3.11	0.72	4.7
RV1-102a	1	Green	18.76	9.54	2.00	0.50	7.504
RV1-102c	1	Green	9.28	16.35	2.61	0.53	3.50188679
RV1-103e	1	Green	18.99	10.76	2.45	0.60	6.33
RV1-103f	1	Green	21.05	8.81	2.58	0.51	8.25490196
RV1-103g	1	Green	22.08	17.06	3.18	1.35	3.27111111
RV1-103i	1	Green	13.57	9.32	1.97	0.31	8.75483871
RV1-103k	1	Green	16.58	10.19	1.70	0.44	7.53636364
RV1-103o	1	Green	10.18	9.21	2.23	0.23	8.85217391

Table A.16 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV1-103a	1	Clear	25.64	10.00	2.27	0.91	5.63516484
RV1-103n	1	Clear	9.81	14.38	2.74	0.41	4.78536585
RV1-103q	1	Clear	11.99	11.04	2.29	0.39	6.14871795
RV1-104a	1	Clear	26.40	10.22	3.59	1.15	4.59130435
RV1-104b	1	Clear	25.08	15.20	3.74	1.77	2.83389831
RV1-015a	1	Gray	16.52	8.95	2.20	0.39	8.47179487
RV1-022a	1	Gray	23.44	11.59	2.89	1.05	4.4647619
RV1-050b	1	Gray	31.80	7.07	3.27	0.88	7.22727273
RV1-050f	1	Gray	22.97	14.47	2.80	1.26	3.64603175
RV1-050g	1	Gray	23.99	8.91	2.36	0.73	6.57260274
RV1-050i	1	Gray	15.66	15.76	3.94	1.05	2.98285714
RV1-050m	1	Gray	15.66	14.24	3.03	0.80	3.915
RV1-051c	1	Gray	25.03	17.30	2.94	1.31	3.82137405
RV1-052j	1	Gray	9.57	10.20	2.53	0.24	7.975
RV1-054c	1	Gray	16.65	13.26	2.63	0.73	4.56164384
RV1-054e	1	Gray	10.52	9.24	2.25	0.26	8.09230769
RV1-055a	1	Gray	28.90	11.16	2.51	0.84	6.88095238
RV1-103l	1	Gray	15.21	16.40	4.02	0.84	3.62142857
RV1-016b	1	Gray	30.96	22.81	3.03	2.51	2.46693227
RV1-052a	1	Gray	34.72	11.59	3.40	1.85	3.75351351
RV1-053e	1	Gray	11.88	9.73	2.46	0.32	7.425
RV1-102b	1	Gray	15.62	10.91	2.64	0.56	5.57857143
RV1-050h	1	Gray	16.95	13.31	3.52	1.02	3.32352941
RV1-050o	1	Gray	13.98	12.10	2.93	0.66	4.23636364
RV1-052b	1	Gray	32.17	10.60	2.53	1.16	5.54655172
RV1-052g	1	Gray	17.61	9.91	1.58	0.38	9.26842105
RV1-052k	1	Gray	7.82	10.24	1.73	0.16	9.775
RV1-053a	1	Gray	28.86	15.69	3.26	1.83	3.15409836
RV1-019a	1	Gray	28.97	10.38	2.84	0.92	6.29782609
RV1-011a	1	Green	27.39	14.09	2.15	1.22	4.49016393
RV1-050d	1	Green	27.30	10.33	1.95	0.83	6.57831325
RV1-050k	1	Green	14.20	8.17	3.33	0.42	6.76190476
RV1-054b	1	Green	17.02	9.53	1.86	0.35	9.72571429
RV1-055b	1	Green	15.94	8.96	2.16	0.42	7.59047619
RV1-103c	1	Green	25.88	12.00	3.10	1.17	4.42393162
RV1-103h	1	Green	15.91	12.81	2.29	0.67	4.74925373
RV1-103j	1	Green	14.06	14.92	3.08	0.81	3.47160494
RV1-104c	1	Green	10.90	12.51	2.60	0.54	4.03703704
RV1-105a	1	Green	22.87	12.06	3.40	1.30	3.51846154
RV1-013c	1	Clear	22.09	8.63	2.09	0.32	13.80625
RV1-050n	1	Clear	15.56	9.89	2.16	0.42	7.40952381
RV1-120a	1	Black	9.19	14.37	3.24	0.44	4.17727273
RV1-001a	1	Gray	27.21	17.18	3.93	2.08	2.61634615
RV1-012-6a	1	Gray	15.87	10.47	3.07	0.43	7.38139535
RV1-050a	1	Gray	40.96	13.39	3.02	2.00	4.096
RV1-050c	1	Gray	25.61	19.00	4.65	2.37	2.16118143
RV1-050e	1	Gray	24.19	15.23	3.12	1.39	3.48057554

Table A.16 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV1-051e	1	Gray	16.94	11.19	2.81	0.64	5.29375
RV1-052l	1	Gray	12.80	10.68	2.78	0.39	6.56410256
RV1-056b	1	Gray	25.56	9.91	2.34	0.66	7.74545455
RV1-015b	1	Gray	13.66	16.69	3.41	0.95	2.87578947
RV1-015e	1	Gray	20.78	15.07	2.65	0.73	5.69315068
RV1-016c	1	Gray	25.73	17.27	4.57	2.12	2.42735849
RV1-053b	1	Gray	24.85	9.51	2.94	0.82	6.06097561
RV1-016a	1	Gray	43.23	14.38	3.69	2.99	
			Avg	Avg	Avg	Sum	Avg
TOTALS:	145		19.40	11.65	2.75	102.59	6.08460476
						s.d. =	2.53669519

Table A.17 Charco Redondo 2009 (CR09) artifacts

515

FS#	Op.	Unit	Lot	Artifact Category	Blade Segment	Notes	Dating notes
CR09-4338d	A	2F3F	2	Chunk		Large chunk of material; fractured on multiple edges; no distinctive platform or bulb	
CR09-4250a	A	2B	7	Ear ornament		Carved obsidian ear ornament; large open hole (~18.4mm diam); larger and smaller circular ends (smaller meas.: 24.52x24.3mm); nearly complete - one fractured section is missing; very fine work	ETF?
CR09-4166a	A	2D	1	Flake		Large flake or crested blade; snap fracture on proximal end of ventral surface	LF-LPC
CR09-4005a	A	3A	1	Flake		Platform intact; feather termination - single, flat facet on distal end	LF-LPC
CR09-4055d	A	1A	1, 2	Flake fragment		No platform or noticeable bulb; single, flat facet on dorsal surface	
CR09-4281a	A	2E	3	Prismatic blade	Distal	Final-stage blade; very distal tip flaked off; slight outré passé curve; snap fracture on proximal end of ventral surface	LF-LPC
CR09-4335b	A	2F3F	1	Prismatic blade	Distal	Final-stage blade; very distal tip snap fractured off; partial snap fracture on proximal end of dorsal surface	
CR09-4186a	A	3C	1	Prismatic blade	Distal	Final-stage blade; very distal tip broken off	LF-LPC
CR09-4281b	A	2E	3	Prismatic blade	Distal	Final-stage blade; very distal tip intact; single flat facet - arrises coming together at tip, possibly indicating a blade near the end of a core's life	LF-LPC
CR09-4055c	A	1A	1, 2	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	
CR09-4001b	A	0C	1	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface; snap fracture on distal end of dorsal surface	LF-LPC

Table A.17 cont.

FS#	Op.	Unit	Lot	Artifact Category	Blade Segment	Notes	Dating notes
CR09-4011a	A	2A	1	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	
CR09-4024a	A	0C	2	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of ventral surface	LF-LPC
CR09-4178a	A	2D	4	Prismatic blade	Medial	Final-stage blade; proximal and distal ends fractured	LF-LPC
CR09-4178d	A	2D	4	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface; probably near distal tip on distal end	LF-LPC
CR09-4267a	A	2C	2	Prismatic blade	Medial	Final-stage blade	
CR09-4281c	A	2E	3	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of ventral surface	LF-LPC
CR09-4281d	A	2E	3	Prismatic blade	Medial	Final-stage blade; fractured on proximal and distal ends	LF-LPC
CR09-4281f	A	2E	3	Prismatic blade	Medial	Final-stage blade	LF-LPC
CR09-4338a	A	2F3F	2	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface; slight outré passé curve	
CR09-4338b	A	2F3F	2	Prismatic blade	Medial	Final-stage blade; partial snap tabs on proximal and distal ends of dorsal surface	
CR09-4067a	A	1A	3	Prismatic blade	Medial	Final-stage blade	
CR09-4124a	A	3B	2	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface; snap tab on distal end of ventral surface	LF-LPC
CR09-4281e	A	2E	3	Prismatic blade	Medial	Final-stage blade; small snap fractures on proximal and distal ends of ventral surface	LF-LPC
CR09-4338c	A	2F3F	2	Prismatic blade	Medial	Final-stage blade; fractured on proximal and distal ends	
CR09-4178b	A	2D	4	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	LF-LPC

Table A.17 cont.

FS#	Op.	Unit	Lot	Artifact Category	Blade Segment	Notes	Dating notes
CR09-4328a	B	1	3	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface; flake scars on dorsal and ventral surfaces	
CR09-4335a	A	2F3F	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface; slight outré passé curve	
CR09-4055b	A	1A	1, 2	Prismatic blade	Proximal	Final-stage blade; ground platform; fractured on distal end	
CR09-4178e	A	2D	4	Prismatic blade	Proximal	Final-stage blade; ground platform	LF-LPC
CR09-4001a	A	0C	1	Prismatic blade	Proximal	Final-stage blade; ground platform; partial snap tab on distal end of dorsal surface	
CR09-4055a	A	1A	1, 2	Prismatic blade	Proximal	Final-stage blade; ground platform; snap fracture on distal end of dorsal surface	
CR09-4119a	A	3B	1	Prismatic blade	Proximal	Final-stage blade; ground platform; fractured on distal end	LF-LPC
CR09-4172a	A	2D	2	Prismatic blade	Proximal	Final-stage blade; ground platform	LF-LPC
CR09-4178c	A	2D	4	Prismatic blade	Proximal	Final-stage blade; ground platform; snap fracture on distal end of dorsal surface	LF-LPC
CR09-4272a	A	2C	3	Prismatic blade	Proximal	Final-stage blade; ground platform; partial snap tab on distal end of dorsal surface	
CR09-4272b	A	2C	3	Projectile point		Prismatic blade retouched to form a projectile point; very tip broken off, otherwise intact; side notches (~7.75-8.72mm above distal end); concave area on distal end	
CR09-4015a	A	2B	1	Projectile point		Prismatic blade retouched to form a projectile point; triangular shape; side-notched (~9.21-9.69mm above distal end); concave area on distal end	

Table A.17 cont.

FS#	Op.	Unit	Lot	Artifact Category	Blade Segment	Notes	Dating notes
CR09-4267b	A	2C	2	Projectile point		Prismatic blade retouched to form a projectile point; distal end fractured off, point intact; partial side-notch on right distal end; extensive microflaking around proximal end	
CR09-4267c	A	2C	2	Projectile point		Prismatic blade retouched to form a projectile point; snap fracture on distal end; point intact; no notching or stem; microflaking extends about 1/2 way down lateral margins, more so on left margin - not finished?	

Table A.18 CR09 artifact measurements

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
CR09-4338d	1	Gray	23.03	22.41	6.76	3.21	
CR09-4250a	1	Gray	27.27	27.88	14.43	3.35	
CR09-4166a	1	Clear	27.32	17.72	3.15	1.29	
CR09-4005a	1	Gray	12.98	9.89	2.94	0.41	
CR09-4055d	1	Clear	11.93	8.65	2.73	0.36	
			Avg 17.41	Avg 12.09	Avg 2.94		
CR09-4281a	1	Clear	48.33	16.41	3.84	3.17	3.04921136
CR09-4335b	1	Clear	25.61	10.57	2.83	0.93	5.50752688
CR09-4186a	1	Green	15.22	12.20	2.39	0.43	7.07906977
CR09-4281b	1	Gray	33.36	9.24	3.79	1.59	4.19622642
CR09-4055c	1	Clear	12.77	10.62	2.74	0.57	4.48070175
CR09-4001b	1	Clear	19.22	12.60	2.80	0.65	5.91384615
CR09-4011a	1	Clear	20.99	8.85	2.47	0.65	6.45846154
CR09-4024a	1	Clear	24.82	10.46	3.57	0.98	5.06530612
CR09-4178a	1	Clear	45.96	12.55	4.25	3.15	2.91809524
CR09-4178d	1	Clear	26.20	11.45	2.53	0.85	6.16470588
CR09-4267a	1	Clear	17.34	12.10	2.03	0.55	6.30545455
CR09-4281c	1	Clear	27.95	13.09	3.30	1.26	4.43650794
CR09-4281d	1	Clear	20.38	12.51	3.26	1.04	3.91923077
CR09-4281f	1	Clear	15.15	15.60	1.68	0.49	6.18367347
CR09-4338a	1	Clear	33.84	12.54	3.96	1.98	3.41818182
CR09-4338b	1	Clear	19.96	14.85	3.36	1.04	3.83846154
CR09-4067a	1	Green	10.73	12.61	2.29	0.38	5.64736842
CR09-4124a	1	Green	21.82	13.38	2.48	0.99	4.40808081
CR09-4281e	1	Gray	19.38	9.03	2.62	0.59	6.56949153
CR09-4338c	1	Gray	13.61	13.69	3.18	0.77	3.53506494
CR09-4178b	1	Gray	37.46	15.67	3.36	2.72	2.75441176
CR09-4328a	1	Gray	15.72	14.12	3.78	0.80	3.93
CR09-4335a	1	Gray	43.00	11.72	4.59	2.70	3.18518519
CR09-4055b	1	Clear	15.50	10.13	2.79	0.56	5.53571429
CR09-4178e	1	Clear	20.89	12.08	3.14	0.84	4.97380952
CR09-4001a	1	Clear	25.69	10.26	3.02	0.98	5.24285714
CR09-4055a	1	Clear	28.59	14.26	3.33	1.55	3.68903226
CR09-4119a	1	Clear	28.97	13.35	3.40	1.38	4.19855072
CR09-4172a	1	Clear	19.21	9.09	2.29	0.46	8.35217391
CR09-4178c	1	Clear	26.99	14.55	3.43	1.62	3.33209877
CR09-4272a	1	Clear	36.01	12.09	3.43	1.69	4.26153846
CR09-4272b	1	Clear	24.49	14.62	3.50	0.94	
CR09-4015a	1	Clear	24.53	16.67	2.61	0.80	
CR09-4267b	1	Clear	22.52	14.13	2.67	0.76	
CR09-4267c	1	Green	22.10	13.17	3.09	0.81	
TOTALS:	40		Avg 24.86	Avg 12.31	Avg 3.09	Sum 49.29	Avg 4.79193674 s.d. = 1.38070979

Table A.19 La Consentida 2009 (LC09) artifacts

FS#	Op.	Unit	Lot	Artifact Category	Notes	Dating notes
LC09-6096a	B	1B	5	Biface?	Possible bifacially modified flake; appears almost point-like	EF*
LC09-6075b	A	4A	13	Biface?	Possible bifacially modified flake; very small - may be exhausted; appears almost point-like	EF*
LC09-6185c	A	4B	2	Chunk	No distinctive platform or bulb; flake scars over entire surface of artifact	EF*
LC09-6115z	B	1B	6	Chunk	6=1 fractured chunk, probably fractured from baretta hit; no distinctive platform or bulb; fractured surface distinctly shinier than exterior surface	EF*
LC09-6057r	B	1B	3	Chunk	No distinctive platform or bulb	EF*
LC09-6099u	B	0A	4	Chunk	No distinctive platform or bulb	EF*
LC09-6115aa	B	1B	6	Chunk	No distinctive platform or bulb	EF*
LC09-6115ee	B	1B	6	Chunk	No distinctive platform or bulb	EF*
LC09-6121t	B	0A	6	Chunk	No distinctive platform or bulb; pulled for XRF	EF*
LC09-6129o	B	2B	3	Chunk	No distinctive platform or bulb; some cortex on dorsal surface (~40%)	EF*
LC09-6133j	B	0Z	3	Chunk	No distinctive platform or bulb; cortex (~50%) on dorsal surface	EF*
LC09-6143s	B	0Z	5	Chunk	No distinctive platform or bulb	EF*
LC09-6143t	B	0Z	5	Chunk	No distinctive platform or bulb	EF*
LC09-6163aa	B	1B	7	Chunk	No distinctive platform or bulb	EF*
LC09-6214x	B	Bur. 2	Offer.	Chunk	No distinctive platform or bulb	EF*
LC09-6057o	B	1B	3	Chunk	No distinctive platform or bulb	EF*
LC09-6057p	B	1B	3	Chunk	No distinctive platform or bulb	EF*
LC09-6057q	B	1B	3	Chunk	No distinctive platform or bulb	EF*
LC09-6057s	B	1B	3	Chunk	No distinctive platform or bulb	EF*
LC09-6064f	B	1B	4	Chunk	No distinctive platform or bulb	EF*
LC09-6094g	B	0A	3	Chunk	No distinctive platform or bulb	EF*
LC09-6094i	B	0A	3	Chunk	No distinctive platform or bulb	EF*
LC09-6096l	B	1B	5	Chunk	No distinctive platform or bulb	EF*

Table A.19 cont.

FS#	Op.	Unit	Lot	Artifact Category	Notes	Dating notes
LC09-6099t	B	0A	4	Chunk	No distinctive platform or bulb	EF*
LC09-6115dd	B	1B	6	Chunk	No distinctive platform or bulb; dorsal surface has cortex (~75%)	EF*
LC09-6121w	B	0A	6	Chunk	No distinctive platform or bulb	EF*
LC09-6125f	B	2B	2	Chunk	No distinctive platform or bulb	EF*
LC09-6127d	B	0Z	2	Chunk	No distinctive platform or bulb; flake scars around entire artifact	EF*
LC09-6136q	B	0Z	4	Chunk	No distinctive platform or bulb	EF*
LC09-6143o	B	0Z	5	Chunk	No distinctive platform or bulb	EF*
LC09-6143p	B	0Z	5	Chunk	No distinctive platform or bulb	EF*
LC09-6143q	B	0Z	5	Chunk	No distinctive platform or bulb	EF*
LC09-6143r	B	0Z	5	Chunk	No distinctive platform or bulb	EF*
LC09-6148e	B	0Z	6	Chunk	No distinctive platform or bulb	EF*
LC09-6150r	B	2B	5	Chunk	No distinctive platform or bulb	EF*
LC09-6150t	B	2B	5	Chunk	No distinctive platform or bulb	EF*
LC09-6150u	B	2B	5	Chunk	No distinctive platform or bulb	EF*
LC09-6150v	B	2B	5	Chunk	No distinctive platform or bulb	EF*
LC09-6201j	B	1Z	2	Chunk	No distinctive platform or bulb	EF*
LC09-6214o	B	Bur. 2		Chunk	No distinctive platform or bulb; pulled for XRF	EF*
LC09-6214w	B	Bur. 2	Offer.	Chunk	No distinctive platform or bulb	EF*
LC09-6075c	A	4A	13	Chunk	No distinctive platform or bulb	EF*
LC09-6110a	A	4A	Wall	Chunk	No distinctive platform or bulb; flake scars over entire surface of artifact	EF*
LC09-6182a	A	4B	1	Chunk	No distinctive platform or bulb; flake scars over entire surface of artifact	EF*
LC09-6185a	A	4B	2	Chunk	No distinctive platform or bulb; flake scars over entire surface of artifact	EF*
LC09-6240a	A	3B	7	Chunk	No distinctive platform or bulb; pulled for XRF	EF*
LC09-6185d	A	4B	2	Chunk	No distinctive platform or bulb; flake scars over entire surface of artifact	EF*
LC09-6185e	A	4B	2	Chunk	No distinctive platform or bulb; flake scars over entire surface of artifact	EF*

Table A.19 cont.

FS#	Op.	Unit	Lot	Artifact Category	Notes	Dating notes
LC09-6185f	A	4B	2	Chunk	No distinctive platform or bulb; flake scars over entire surface of artifact	EF*
LC09-6050a	A	4D	10	Chunk	No distinctive platform or bulb	EF*
LC09-6185b	A	4B	2	Chunk	No distinctive platform or bulb; flake scars over entire surface of artifact	EF*
LC09-6185g	A	4B	2	Chunk	No distinctive platform or bulb; flake scars over entire surface of artifact	EF*
LC09-6039d	B	1B	1	Chunk	No distinctive platform or bulb; cortex on proximal end	EF*
LC09-6057b	B	1B	3	Chunk	No platform or bulb; flake scars around entire surface; pulled for XRF	EF*
LC09-6096j	B	1B	5	Chunk	No distinctive platform or bulb	EF*
LC09-6121u	B	0A	6	Chunk	No distinctive platform or bulb	EF*
LC09-6121v	B	0A	6	Chunk	No distinctive platform or bulb	EF*
LC09-6121x	B	0A	6	Chunk	No distinctive platform or bulb	EF*
LC09-6127b	B	0Z	2	Chunk	No distinctive platform or bulb; flake scars around entire artifact	EF*
LC09-6133h	B	0Z	3	Chunk	No distinctive platform or bulb	EF*
LC09-6133i	B	0Z	3	Chunk	No distinctive platform or bulb	EF*
LC09-6136l	B	0Z	4	Chunk	No distinctive platform or bulb	EF*
LC09-6166i	B	1Z	4	Chunk	No distinctive platform or bulb	EF*
LC09-6166j	B	1Z	4	Chunk	No distinctive platform or bulb; one facet w/ cortex on dorsal surface (~40%)	EF*
LC09-6176p	B	1Z	5	Chunk	No distinctive platform or bulb	EF*
LC09-6224l	B	1Z	4	Chunk	No distinctive platform or bulb	EF*
LC09-6094h	B	0A	3	Chunk	No distinctive platform or bulb; possible core remnant; part of dorsal surface may have been pecked	EF*
LC09-6096k	B	1B	5	Chunk	No distinctive platform or bulb	EF*
LC09-6099v	B	0A	4	Chunk	No distinctive platform or bulb	EF*
LC09-6112b	B	0A	5	Chunk	No distinctive platform or bulb; flake scars over entire surface of artifact	EF*
LC09-6112d	B	0A	5	Chunk	No distinctive platform or bulb; flake scars over entire surface of artifact	EF*
LC09-6129m	B	2B	3	Chunk	No distinctive platform or bulb	EF*
LC09-6129n	B	2B	3	Chunk	No distinctive platform or bulb	EF*
LC09-6136o	B	0Z	4	Chunk	No distinctive platform or bulb	EF*

Table A.19 cont.

FS#	Op.	Unit	Lot	Artifact Category	Notes	Dating notes
LC09-6136p	B	0Z	4	Chunk	No distinctive platform or bulb	EF*
LC09-6139l	B	2B	4	Chunk	No distinctive platform or bulb	EF*
LC09-6160e	B	1Z	3	Chunk	No distinctive platform or bulb	EF*
LC09-6163x	B	1B	7	Chunk	No distinctive platform or bulb	EF*
LC09-6166k	B	1Z	4	Chunk	No distinctive platform or bulb	EF*
LC09-6176q	B	1Z	5	Chunk	No distinctive platform or bulb	EF*
LC09-6214a	B	Bur. 2		Chunk	Large chunk; no distinctive platform or bulb; flake scars over entire surface of artifact; pulled for XRF	EF*
LC09-6214u	B	Bur. 2	Offer.	Chunk	No distinctive platform or bulb	EF*
LC09-6057n	B	1B	3	Chunk	No distinctive platform or bulb	EF*
LC09-6099r	B	0A	4	Chunk	No distinctive platform or bulb	EF*
LC09-6099s	B	0A	4	Chunk	No distinctive platform or bulb	EF*
LC09-6115bb	B	1B	6	Chunk	No distinctive platform or bulb	EF*
LC09-6121k	B	0A	6	Chunk	No distinctive platform or bulb; scars over entire surface of artifact; pulled for XRF	EF*
LC09-6127c	B	0Z	2	Chunk	No distinctive platform or bulb; flake scars around entire artifact	EF*
LC09-6136k	B	0Z	4	Chunk	No distinctive platform or bulb	EF*
LC09-6136m	B	0Z	4	Chunk	No distinctive platform or bulb	EF*
LC09-6136n	B	0Z	4	Chunk	No distinctive platform or bulb	EF*
LC09-6150s	B	2B	5	Chunk	No distinctive platform or bulb	EF*
LC09-6163a	B	1B	7	Chunk	No distinctive platform or bulb; scars over entire surface of artifact; pulled for XRF	EF*
LC09-6163y	B	1B	7	Chunk	No distinctive platform or bulb	EF*
LC09-6163z	B	1B	7	Chunk	No distinctive platform or bulb	EF*
LC09-6166h	B	1Z	4	Chunk	No distinctive platform or bulb	EF*
LC09-6179a	B	2B	6	Chunk	No distinctive platform or bulb; large facet on dorsal surface; pulled for XRF	EF*
LC09-6191g	B	1Z	1	Chunk	No distinctive platform or bulb; flake scars over entire surface of artifact	EF*

Table A.19 cont.

FS#	Op.	Unit	Lot	Artifact Category	Notes	Dating notes
LC09-6201h	B	1Z	2	Chunk	No distinctive platform or bulb	EF*
LC09-6201i	B	1Z	2	Chunk	No distinctive platform or bulb	EF*
LC09-6214v	B	Bur. 2	Offer.	Chunk	No distinctive platform or bulb	EF*
LC09-6224m	B	1Z	4	Chunk	No distinctive platform or bulb	EF*
LC09-6227a	B	1Z	5	Chunk	No distinctive platform or bulb; flake scars over entire surface of artifact; pulled for XRF	EF*
LC09-6103a	A	4D	9	Flake	Percussion flake; platform intact; slight hinge termination - nearly feather termination	EF*
LC09-6006a	A	4A	2	Flake	Percussion flake; platform intact; feather termination; pulled for XRF	EF*
LC09-6017a	A	4A	5	Flake	Percussion flake; platform intact; distal end fractured; pulled for XRF	EF*
LC09-6096b	B	1B	5	Flake	Platform crushed; feather termination	EF*
LC09-6057a	B	1B	3	Flake	Percussion flake; small platform - intact; distal end fractured; pulled for XRF	EF*
LC09-6057e	B	1B	3	Flake	Platform intact	EF*
LC09-6094c	B	0A	3	Flake	Platform intact	EF*
LC09-6099d	B	0A	4	Flake	Platform intact; large bulb; feather termination; pulled for XRF	EF*
LC09-6099g	B	0A	4	Flake	Platform intact	EF*
LC09-6115b	B	1B	6	Flake	Platform intact; distal end fractured off	EF*
LC09-6121d	B	0A	6	Flake	Platform intact; hinge termination	EF*
LC09-6133c	B	0Z	3	Flake	Platform intact; feather termination	EF*
LC09-6133d	B	0Z	3	Flake	Platform crushed; distal end fractured off	EF*
LC09-6136b	B	0Z	4	Flake	Platform intact; hinge termination	EF*
LC09-6139a	B	2B	4	Flake	Percussion flake; platform intact; feather termination; pulled for XRF	EF*
LC09-6143d	B	0Z	5	Flake	Platform intact; partial hinge termination, partial feather termination	EF*
LC09-6143g	B	0Z	5	Flake	No platform; partial bulb	EF*
LC09-6150e	B	2B	5	Flake	Platform intact; feather termination	EF*
LC09-6160a	B	1Z	3	Flake	Platform crushed; distal end fractured off	EF*
LC09-6163f	B	1B	7	Flake	Very small platform; feather termination	EF*

Table A.19 cont.

FS#	Op.	Unit	Lot	Artifact Category	Notes	Dating notes
LC09-6163g	B	1B	7	Flake	Platform crushed; feather termination	EF*
LC09-6170a	B	1B	8	Flake	Platform fractured; feather termination	EF*
LC09-6170c	B	1B	8	Flake	Platform fractured; feather termination	EF*
LC09-6176e	B	1Z	5	Flake	Platform crushed	EF*
LC09-6198b	B	2B	7	Flake	Platform intact; feather termination	EF*
LC09-6201a	B	1Z	2	Flake	Platform intact; feather termination	EF*
LC09-6214h	B	Bur. 2		Flake	Small platform; hinge termination; pulled for XRF	EF*
LC09-6224d	B	1Z	4	Flake	Platform crushed; feather termination	EF*
LC09-6227c	B	1Z	5	Flake	Partial platform; feather termination	EF*
LC09-6057c	B	1B	3	Flake	Platform slightly crushed	EF*
LC09-6057d	B	1B	3	Flake	Platform intact	EF*
LC09-6094a	B	0A	3	Flake	Platform intact	EF*
LC09-6094b	B	0A	3	Flake	Platform intact; feather termination	EF*
LC09-6096c	B	1B	5	Flake	Platform intact; hinge termination	EF*
LC09-6099a	B	0A	4	Flake	Partial platform; thinning flake	EF*
LC09-6099b	B	0A	4	Flake	Platform fractured; bulb present	EF*
LC09-6099c	B	0A	4	Flake	Platform fractured; bulb present	EF*
LC09-6099e	B	0A	4	Flake	Platform intact	EF*
LC09-6099f	B	0A	4	Flake	Platform intact	EF*
LC09-6099h	B	0A	4	Flake	Small platform; hinge termination	EF*
LC09-6099n	B	0A	4	Flake	Percussion flake; platform intact; small hinge termination; pulled for XRF	EF*
LC09-6112c	B	0A	5	Flake	Percussion flake; platform crushed; hinge termination; pulled for XRF	EF*
LC09-6115a	B	1B	6	Flake	Percussion flake; platform present; partial feather and partial hinge fracture	EF*
LC09-6136e	B	OZ	4	Flake	Platform fractured off; feather termination	EF*
LC09-6136f	B	OZ	4	Flake	Platform fractured off; distal end fractured off	EF*

Table A.19 cont.

FS#	Op.	Unit	Lot	Artifact Category	Notes	Dating notes
LC09-6139c	B	2B	4	Flake	Platform intact; thinning flake	EF*
LC09-6139d	B	2B	4	Flake	Platform intact; distal end fractured off	EF*
LC09-6139e	B	2B	4	Flake	Platform partially fractured; feather termination	EF*
LC09-6139f	B	2B	4	Flake	Platform crushed; distal end fractured off	EF*
LC09-6143c	B	0Z	5	Flake	Platform intact; feather termination	EF*
LC09-6150d	B	2B	5	Flake	Platform intact; feather termination	EF*
LC09-6157a	B	1Z	2	Flake	Platform intact; distal end fractured off	EF*
LC09-6157c	B	1Z	2	Flake	Platform crushed; distal end fractured off	EF*
LC09-6163b	B	1B	7	Flake	Percussion flake; platform intact; fracture along left lateral margin; feather termination; pulled for XRF	EF*
LC09-6163c	B	1B	7	Flake	Small platform; hinge fracture	EF*
LC09-6163d	B	1B	7	Flake	Platform intact; distal end fractured off	EF*
LC09-6163h	B	1B	7	Flake	Platform intact; feather termination	EF*
LC09-6176c	B	1Z	5	Flake	Platform intact; hinge termination	EF*
LC09-6176f	B	1Z	5	Flake	Platform crushed	EF*
LC09-6191a	B	1Z	1	Flake	Platform intact; distal end fractured off	EF*
LC09-6191b	B	1Z	1	Flake	Platform fractured; hinge termination	EF*
LC09-6191c	B	1Z	1	Flake	Platform fractured; partial hinge termination	EF*
LC09-6214b	B	Bur. 2	Offer.	Flake	Platform partially crushed and partially fractured; feather termination	EF*
LC09-6214c	B	Bur. 2	Offer.	Flake	Platform intact; feather termination	EF*
LC09-6214d	B	Bur. 2	Offer.	Flake	Platform crushed; hinge termination	EF*
LC09-6220a	B	1Z	3	Flake	Platform intact; hinge termination	EF*
LC09-6220b	B	1Z	3	Flake	Platform intact; feather termination	EF*
LC09-6224b	B	1Z	4	Flake	Platform crushed; hinge termination	EF*
LC09-6053a	A	4D	14	Flake	Percussion flake; platform intact; hinge termination; pulled for XRF	EF*
LC09-6090a	B	4D	15	Flake	Platform crushed; bulb present; distal end fractured off	EF*

Table A.19 cont.

FS#	Op.	Unit	Lot	Artifact Category	Notes	Dating notes
LC09-6090d	B	4D	15	Flake	Platform intact; hinge termination	EF*
LC09-6121b	B	0A	6	Flake	Platform intact; distal end fractured off	EF*
LC09-6133a	B	0Z	3	Flake	Platform crushed	EF*
LC09-6133b	B	0Z	3	Flake	Platform intact; hinge termination	EF*
LC09-6136c	B	0Z	4	Flake	Platform crushed	EF*
LC09-6150a	B	2B	5	Flake	Percussion flake; platform intact; partial hinge and feather termination; pulled for XRF	EF*
LC09-6166b	B	1Z	4	Flake	Small platform; distal end fractured off	EF*
LC09-6176b	B	1Z	5	Flake	Large percussion flake; platform intact; nearly hinge termination; pulled for XRF	EF*
LC09-6179c	B	2B	6	Flake	Platform crushed; small amount of cortex (~10%) on distal end	EF*
LC09-6179d	B	2B	6	Flake	Platform fractured	EF*
LC09-6224c	B	1Z	4	Flake	Platform crushed; distal end fractured off	EF*
LC09-6121c	B	0A	6	Flake	Platform intact; feather termination	EF*
LC09-6121e	B	0A	6	Flake	Platform intact; step fracture	EF*
LC09-6150b	B	2B	5	Flake	Platform crushed; feather termination	EF*
LC09-6150c	B	2B	5	Flake	Platform fractured; feather termination	EF*
LC09-6150f	B	2B	5	Flake	Platform crushed; feather termination	EF*
LC09-6155a	B	1Z	1	Flake	Percussion flake; platform intact; hinge termination	EF*
LC09-6157b	B	1Z	2	Flake	Platform partially fractured	EF*
LC09-6163e	B	1B	7	Flake	Platform crushed; feather termination	EF*
LC09-6170b	B	1B	8	Flake	Platform fractured; feather termination	EF*
LC09-6224a	B	1Z	4	Flake	Platform fractured; feather termination	EF*
LC09-6061a	B	0A	1	Flake	Large percussion flake; large platform - crushed on dorsal edge	EF*
LC09-6096f	B	1B	5	Flake	Partial platform; bulb present; feather termination; pulled for XRF	EF*
LC09-6121a	B	0A	6	Flake	Very large percussion flake; platform partially crushed	EF*

Table A.19 cont.

FS#	Op.	Unit	Lot	Artifact Category	Notes	Dating notes
LC09-6136a	B	0Z	4	Flake	Platform intact; distal end fractured off	EF*
LC09-6136d	B	0Z	4	Flake	Platform partially crushed and partially fractured	EF*
LC09-6166a	B	1Z	4	Flake	Large percussion flake; platform partially fractured; feather termination	EF*
LC09-6176d	B	1Z	5	Flake	Platform crushed	EF*
LC09-6179b	B	2B	6	Flake	Platform fractured	EF*
LC09-6022a	A	4D	7	Flake fragment	No platform or noticeable bulb; pulled for XRF	EF*
LC09-6019a	A	4D	6	Flake fragment	No platform; partial bulb	EF*
LC09-6088b	A	4A	12	Flake fragment	No platform; partial bulb; probable pressure flake	EF*
LC09-6244a	A	4D	8	Flake fragment	No platform; partial bulb	EF*
LC09-6006b	A	4A	2	Flake fragment	No platform; partial bulb	EF*
LC09-6013a	A	4A	4	Flake fragment	Percussion flake; platform fractured	EF*
LC09-6088a	A	4A	12	Flake fragment	No platform; partial bulb; pulled for XRF	EF*
LC09-6244b	A	4D	8	Flake fragment	Platform crushed; flake scars on both surfaces; pulled for XRF	EF*
LC09-6244c	A	4D	8	Flake fragment	No platform; partial bulb; hinge termination	EF*
LC09-6115v	B	1B	6	Flake fragment	No platform; partial bulb	EF*
LC09-6115y	B	1B	6	Flake fragment	No platform; partial bulb	EF*
LC09-6039c	B	1B	1	Flake fragment	No platform; partial bulb	EF*
LC09-6043b	B	1B	2	Flake fragment	No platform; partial bulb	EF*
LC09-6057i	B	1B	3	Flake fragment	No platform; partial bulb	EF*
LC09-6057k	B	1B	3	Flake fragment	No platform; partial bulb	EF*
LC09-6057l	B	1B	3	Flake fragment	No platform; partial bulb	EF*
LC09-6057m	B	1B	3	Flake fragment	No platform; partial bulb	EF*
LC09-6061b	B	0A	1	Flake fragment	No platform; partial bulb	EF*

Table A.19 cont.

FS#	Op.	Unit	Lot	Artifact Category	Notes	Dating notes
LC09-6064b	B	1B	4	Flake fragment	No platform; partial bulb	EF*
LC09-6064c	B	1B	4	Flake fragment	No platform; partial bulb	EF*
LC09-6064e	B	1B	4	Flake fragment	No platform; partial bulb	EF*
LC09-6096h	B	1B	5	Flake fragment	No platform; partial bulb	EF*
LC09-6096j	B	1B	5	Flake fragment	No platform; partial bulb	EF*
LC09-6099j	B	0A	4	Flake fragment	No platform; bulb present	EF*
LC09-6099m	B	0A	4	Flake fragment	No platform; bulb present	EF*
LC09-6099q	B	0A	4	Flake fragment	No platform; bulb present; hinge termination	EF*
LC09-6115e	B	1B	6	Flake fragment	No platform; partial bulb	EF*
LC09-6115g	B	1B	6	Flake fragment	No platform; partial bulb	EF*
LC09-6115m	B	1B	6	Flake fragment	No platform; partial bulb	EF*
LC09-6115n	B	1B	6	Flake fragment	No platform; partial bulb	EF*
LC09-6115o	B	1B	6	Flake fragment	No platform; partial bulb	EF*
LC09-6115q	B	1B	6	Flake fragment	No platform; partial bulb	EF*
LC09-6115r	B	1B	6	Flake fragment	Platform fractured; partial bulb; hinge termination; pulled for XRF	EF*
LC09-6115s	B	1B	6	Flake fragment	No platform; partial bulb	EF*
LC09-6115t	B	1B	6	Flake fragment	No platform; partial bulb	EF*
LC09-6115u	B	1B	6	Flake fragment	No platform; partial bulb	EF*
LC09-6115w	B	1B	6	Flake fragment	No platform; partial bulb	EF*
LC09-6115x	B	1B	6	Flake fragment	No platform; partial bulb	EF*
LC09-6119b	B	2B	1	Flake fragment	No platform; partial bulb	EF*
LC09-6121l	B	0A	6	Flake fragment	No platform; partial bulb	EF*
LC09-6121m	B	0A	6	Flake fragment	No platform; partial bulb	EF*

Table A.19 cont.

FS#	Op.	Unit	Lot	Artifact Category	Notes	Dating notes
LC09-6121q	B	0A	6	Flake fragment	No platform; partial bulb	EF*
LC09-6127a	B	0Z	2	Flake fragment	No platform; partial bulb	EF*
LC09-6129c	B	2B	3	Flake fragment	No platform; partial bulb	EF*
LC09-6129h	B	2B	3	Flake fragment	No platform; partial bulb	EF*
LC09-6129j	B	2B	3	Flake fragment	No platform; partial bulb	EF*
LC09-6129k	B	2B	3	Flake fragment	No platform; partial bulb	EF*
LC09-6129l	B	2B	3	Flake fragment	No platform; partial bulb	EF*
LC09-6133e	B	0Z	3	Flake fragment	No platform; partial bulb; feather termination	EF*
LC09-6133f	B	0Z	3	Flake fragment	No platform; partial bulb	EF*
LC09-6136g	B	0Z	4	Flake fragment	No platform; partial bulb	EF*
LC09-6139i	B	2B	4	Flake fragment	No platform; partial bulb	EF*
LC09-6143j	B	0Z	5	Flake fragment	No platform; partial bulb	EF*
LC09-6143m	B	0Z	5	Flake fragment	No platform; partial bulb	EF*
LC09-6148a	B	0Z	6	Flake fragment	No platform; partial bulb	EF*
LC09-6148b	B	0Z	6	Flake fragment	No platform; partial bulb	EF*
LC09-6157f	B	1Z	2	Flake fragment	No platform; partial bulb	EF*
LC09-6160c	B	1Z	3	Flake fragment	No platform; partial bulb	EF*
LC09-6160d	B	1Z	3	Flake fragment	No platform; partial bulb	EF*
LC09-6163j	B	1B	7	Flake fragment	No platform; partial bulb	EF*
LC09-6163l	B	1B	7	Flake fragment	No platform; partial bulb	EF*
LC09-6163m	B	1B	7	Flake fragment	No platform; partial bulb	EF*
LC09-6163n	B	1B	7	Flake fragment	No platform; partial bulb	EF*
LC09-6163p	B	1B	7	Flake fragment	No platform; partial bulb	EF*

Table A.19 cont.

FS#	Op.	Unit	Lot	Artifact Category	Notes	Dating notes
LC09-6163q	B	1B	7	Flake fragment	No platform; partial bulb	EF*
LC09-6163t	B	1B	7	Flake fragment	No platform; partial bulb	EF*
LC09-6163u	B	1B	7	Flake fragment	No platform; partial bulb	EF*
LC09-6163w	B	1B	7	Flake fragment	No platform; partial bulb	EF*
LC09-6166c	B	1Z	4	Flake fragment	No platform; partial bulb	EF*
LC09-6170e	B	1B	8	Flake fragment	No platform; partial bulb	EF*
LC09-6170i	B	1B	8	Flake fragment	No platform; partial bulb	EF*
LC09-6170j	B	1B	8	Flake fragment	No platform; partial bulb; very thin; pulled for XRF	EF*
LC09-6176a	B	1Z	5	Flake fragment	No platform; fractured on proximal and distal ends; percussion ripples on ventral surface; pulled for XRF	EF*
LC09-6176l	B	1Z	5	Flake fragment	No platform; partial bulb	EF*
LC09-6176m	B	1Z	5	Flake fragment	No platform; partial bulb	EF*
LC09-6176o	B	1Z	5	Flake fragment	No platform; partial bulb	EF*
LC09-6179j	B	2B	6	Flake fragment	No platform; partial bulb	EF*
LC09-6179m	B	2B	6	Flake fragment	No platform; partial bulb	EF*
LC09-6191f	B	1Z	1	Flake fragment	No platform; partial bulb	EF*
LC09-6198a	B	2B	7	Flake fragment	No platform; partial bulb; pulled for XRF	EF*
LC09-6201d	B	1Z	2	Flake fragment	No platform; partial bulb	EF*
LC09-6214f	B	Bur. 2	Offer.	Flake fragment	No platform; partial bulb	EF*
LC09-6214k	B	Bur. 2	Offer.	Flake fragment	No platform; partial bulb	EF*
LC09-6214l	B	Bur. 2	Offer.	Flake fragment	No platform; partial bulb	EF*
LC09-6214p	B	Bur. 2	Offer.	Flake fragment	No platform; partial bulb	EF*
LC09-6214q	B	Bur. 2	Offer.	Flake fragment	No platform; partial bulb	EF*
LC09-6224i	B	1Z	4	Flake fragment	No platform; partial bulb	EF*

Table A.19 cont.

FS#	Op.	Unit	Lot	Artifact Category	Notes	Dating notes
LC09-6224j	B	1Z	4	Flake fragment	No platform; partial bulb	EF*
LC09-6039a	B	1B	1	Flake fragment	No platform; partial bulb	EF*
LC09-6043a	B	1B	2	Flake fragment	No platform; partial bulb; pulled for XRF	EF*
LC09-6057g	B	1B	3	Flake fragment	No platform; partial bulb	EF*
LC09-6057h	B	1B	3	Flake fragment	No platform; partial bulb	EF*
LC09-6057j	B	1B	3	Flake fragment	No platform; partial bulb	EF*
LC09-6064a	B	1B	4	Flake fragment	No platform; partial bulb	EF*
LC09-6064d	B	1B	4	Flake fragment	No platform; partial bulb	EF*
LC09-6094e	B	0A	3	Flake fragment	No platform; partial bulb	EF*
LC09-6094f	B	0A	3	Flake fragment	No platform; partial bulb	EF*
LC09-6096d	B	1B	5	Flake fragment	No platform; partial bulb	EF*
LC09-6096e	B	1B	5	Flake fragment	No platform; partial bulb; possible thinning flake	EF*
LC09-6096g	B	1B	5	Flake fragment	No platform; partial bulb	EF*
LC09-6096i	B	1B	5	Flake fragment	No platform; partial bulb	EF*
LC09-6099i	B	0A	4	Flake fragment	No platform; bulb present	EF*
LC09-6099k	B	0A	4	Flake fragment	No platform; bulb present	EF*
LC09-6099l	B	0A	4	Flake fragment	No platform; bulb present	EF*
LC09-6099o	B	0A	4	Flake fragment	No platform; bulb present	EF*
LC09-6099p	B	0A	4	Flake fragment	No platform; bulb present	EF*
LC09-6112a	B	0A	5	Flake fragment	No platform; partial bulb; feather termination	EF*
LC09-6115c	B	1B	6	Flake fragment	No platform; partial bulb	EF*
LC09-6115cc	B	1B	6	Flake fragment	No platform; very thin - pressure flake?; pulled for XRF	EF*
LC09-6115d	B	1B	6	Flake fragment	No platform; partial bulb	EF*

Table A.19 cont.

FS#	Op.	Unit	Lot	Artifact Category	Notes	Dating notes
LC09-6115f	B	1B	6	Flake fragment	No platform; partial bulb	EF*
LC09-6115i	B	1B	6	Flake fragment	No platform; partial bulb	EF*
LC09-6115j	B	1B	6	Flake fragment	No platform; partial bulb	EF*
LC09-6115k	B	1B	6	Flake fragment	No platform; partial bulb	EF*
LC09-6115l	B	1B	6	Flake fragment	No platform; partial bulb	EF*
LC09-6115p	B	1B	6	Flake fragment	No platform; partial bulb	EF*
LC09-6119a	B	2B	1	Flake fragment	No platform; ridges on ventral surface; almost looks like distal end of prismatic blade?!	EF*
LC09-6121i	B	0A	6	Flake fragment	No platform; partial bulb	EF*
LC09-6121j	B	0A	6	Flake fragment	No platform; partial bulb	EF*
LC09-6121n	B	0A	6	Flake fragment	No platform; partial bulb	EF*
LC09-6121o	B	0A	6	Flake fragment	No platform; partial bulb	EF*
LC09-6121p	B	0A	6	Flake fragment	No platform; partial bulb	EF*
LC09-6125a	B	2B	2	Flake fragment	No platform; partial bulb	EF*
LC09-6125c	B	2B	2	Flake fragment	No platform; partial bulb	EF*
LC09-6125d	B	2B	2	Flake fragment	No platform; partial bulb	EF*
LC09-6125e	B	2B	2	Flake fragment	No platform; partial bulb	EF*
LC09-6129a	B	2B	3	Flake fragment	No platform; partial bulb	EF*
LC09-6129b	B	2B	3	Flake fragment	No platform; partial bulb	EF*
LC09-6129d	B	2B	3	Flake fragment	No platform; partial bulb; dorsal surface covered in cortex	EF*
LC09-6129f	B	2B	3	Flake fragment	No platform; partial bulb	EF*
LC09-6129g	B	2B	3	Flake fragment	No platform; partial bulb	EF*
LC09-6129i	B	2B	3	Flake fragment	No platform; partial bulb	EF*
LC09-6136i	B	0Z	4	Flake fragment	No platform; partial bulb	EF*

Table A.19 cont.

FS#	Op.	Unit	Lot	Artifact Category	Notes	Dating notes
LC09-6136j	B	OZ	4	Flake fragment	No platform; partial bulb	EF*
LC09-6139b	B	2B	4	Flake fragment	No platform - proximal end fractured; feather termination; pulled for XRF	EF*
LC09-6139g	B	2B	4	Flake fragment	No platform; partial bulb	EF*
LC09-6139h	B	2B	4	Flake fragment	No platform; partial bulb	EF*
LC09-6139j	B	2B	4	Flake fragment	No platform; partial bulb	EF*
LC09-6139k	B	2B	4	Flake fragment	No platform; partial bulb	EF*
LC09-6143e	B	OZ	5	Flake fragment	No platform; partial bulb	EF*
LC09-6143f	B	OZ	5	Flake fragment	No platform; partial bulb; one facet on dorsal surface appears to have been scored	EF*
LC09-6143h	B	OZ	5	Flake fragment	No platform; partial bulb	EF*
LC09-6143i	B	OZ	5	Flake fragment	No platform; partial bulb	EF*
LC09-6143k	B	OZ	5	Flake fragment	No platform; partial bulb	EF*
LC09-6143l	B	OZ	5	Flake fragment	No platform; partial bulb	EF*
LC09-6143n	B	OZ	5	Flake fragment	No platform; partial bulb	EF*
LC09-6148c	B	OZ	6	Flake fragment	No platform; partial bulb	EF*
LC09-6148d	B	OZ	6	Flake fragment	No platform; partial bulb	EF*
LC09-6150g	B	2B	5	Flake fragment	No platform; partial bulb	EF*
LC09-6150l	B	2B	5	Flake fragment	No platform; partial bulb	EF*
LC09-6150m	B	2B	5	Flake fragment	No platform; partial bulb	EF*
LC09-6150n	B	2B	5	Flake fragment	No platform; partial bulb	EF*
LC09-6150o	B	2B	5	Flake fragment	No platform; partial bulb	EF*
LC09-6150p	B	2B	5	Flake fragment	No platform; partial bulb	EF*
LC09-6150q	B	2B	5	Flake fragment	No platform; partial bulb	EF*
LC09-6157d	B	1Z	2	Flake fragment	No platform; partial bulb	EF*

Table A.19 cont.

FS#	Op.	Unit	Lot	Artifact Category	Notes	Dating notes
LC09-6157e	B	1Z	2	Flake fragment	No platform; partial bulb	EF*
LC09-6163i	B	1B	7	Flake fragment	No platform; partial bulb	EF*
LC09-6163o	B	1B	7	Flake fragment	No platform; partial bulb	EF*
LC09-6163s	B	1B	7	Flake fragment	No platform; partial bulb	EF*
LC09-6166e	B	1Z	4	Flake fragment	No platform; partial bulb	EF*
LC09-6166f	B	1Z	4	Flake fragment	No platform; partial bulb	EF*
LC09-6166g	B	1Z	4	Flake fragment	No platform; partial bulb	EF*
LC09-6170d	B	1B	8	Flake fragment	No platform; partial bulb	EF*
LC09-6170f	B	1B	8	Flake fragment	No platform; partial bulb	EF*
LC09-6170h	B	1B	8	Flake fragment	No platform; partial bulb	EF*
LC09-6176k	B	1Z	5	Flake fragment	No platform; partial bulb	EF*
LC09-6176n	B	1Z	5	Flake fragment	No platform; partial bulb	EF*
LC09-6179g	B	2B	6	Flake fragment	No platform; partial bulb	EF*
LC09-6179h	B	2B	6	Flake fragment	No platform; partial bulb	EF*
LC09-6179i	B	2B	6	Flake fragment	No platform; partial bulb	EF*
LC09-6179k	B	2B	6	Flake fragment	No platform; partial bulb	EF*
LC09-6179l	B	2B	6	Flake fragment	No platform; partial bulb	EF*
LC09-6191d	B	1Z	1	Flake fragment	No platform; partial bulb	EF*
LC09-6191e	B	1Z	1	Flake fragment	No platform; partial bulb	EF*
LC09-6201b	B	1Z	2	Flake fragment	No platform; partial bulb	EF*
LC09-6201c	B	1Z	2	Flake fragment	No platform; partial bulb	EF*
LC09-6201e	B	1Z	2	Flake fragment	No platform; partial bulb	EF*
LC09-6201f	B	1Z	2	Flake fragment	No platform; partial bulb	EF*

Table A.19 cont.

FS#	Op.	Unit	Lot	Artifact Category	Notes	Dating notes
LC09-6201g	B	1Z	2	Flake fragment	No platform; partial bulb	EF*
LC09-6214e	B	Bur. 2	Offer.	Flake fragment	No platform; partial bulb	EF*
LC09-6214g	B	Bur. 2	Offer.	Flake fragment	No platform; partial bulb	EF*
LC09-6214i	B	Bur. 2	Offer.	Flake fragment	No platform; partial bulb	EF*
LC09-6214j	B	Bur. 2	Offer.	Flake fragment	No platform; partial bulb	EF*
LC09-6214m	B	Bur. 2	Offer.	Flake fragment	No platform; partial bulb	EF*
LC09-6214n	B	Bur. 2	Offer.	Flake fragment	No platform; partial bulb	EF*
LC09-6214r	B	Bur. 2	Offer.	Flake fragment	No platform; partial bulb	EF*
LC09-6214s	B	Bur. 2	Offer.	Flake fragment	No platform; partial bulb	EF*
LC09-6214t	B	Bur. 2	Offer.	Flake fragment	No platform; partial bulb	EF*
LC09-6220c	B	1Z	3	Flake fragment	No platform; partial bulb	EF*
LC09-6224f	B	1Z	4	Flake fragment	No platform; partial bulb	EF*
LC09-6224g	B	1Z	4	Flake fragment	No platform; partial bulb	EF*
LC09-6224h	B	1Z	4	Flake fragment	No platform; partial bulb	EF*
LC09-6227b	B	1Z	5	Flake fragment	Percussion flake; no platform; hinge termination; pulled for XRF	EF*
LC09-6106a	Surf	Rd Cut		Flake fragment	No platform; partial bulb; fractured on distal end	EF*
LC09-6017b	A	4A	5	Flake fragment	No platform; partial bulb	EF*
LC09-6075a	A	4A	13	Flake fragment	No platform; partial bulb; pulled for XRF	EF*
LC09-6003a	A	4D	1	Flake fragment	Percussion flake; platform fractured; feather termination	EF*
LC09-6008a	A	4D	2	Flake fragment	Large percussion flake; platform fractured	EF*
LC09-6176j	B	1Z	5	Flake fragment	No platform; partial bulb	EF*
LC09-6057f	B	1B	3	Flake fragment	No platform; partial bulb; large amount (~50%) cortex on dorsal surface	EF*
LC09-6090b	B	4D	15	Flake fragment	No platform; percussion ripples on ventral surface; pulled for XRF	EF*

Table A.19 cont.

FS#	Op.	Unit	Lot	Artifact Category	Notes	Dating notes
LC09-6090c	B	4D	15	Flake fragment	Platform fractured; partial bulb; pulled for XRF	EF*
LC09-6115h	B	1B	6	Flake fragment	No platform; partial bulb	EF*
LC09-6121f	B	0A	6	Flake fragment	No platform; partial bulb	EF*
LC09-6121g	B	0A	6	Flake fragment	No platform; partial bulb	EF*
LC09-6121h	B	0A	6	Flake fragment	No platform; partial bulb	EF*
LC09-6136h	B	0Z	4	Flake fragment	No platform; partial bulb	EF*
LC09-6143a	B	0Z	5	Flake fragment	Platform fractured; feather termination; pulled for XRF	EF*
LC09-6143b	B	0Z	5	Flake fragment	No platform; partial bulb; pulled for XRF	EF*
LC09-6150h	B	2B	5	Flake fragment	No platform; partial bulb	EF*
LC09-6160g	B	1B	8	Flake fragment	No platform; partial bulb; should be 6170g, but typo on export list = 6160g; pulled for XRF	EF*
LC09-6163v	B	1B	7	Flake fragment	No platform; partial bulb	EF*
LC09-6176i	B	1Z	5	Flake fragment	No platform; partial bulb	EF*
LC09-6068a	B	0A	2	Flake fragment	No platform; partial bulb	EF*
LC09-6094d	B	0A	3	Flake fragment	No platform; partial bulb	EF*
LC09-6121r	B	0A	6	Flake fragment	No platform; partial bulb	EF*
LC09-6121s	B	0A	6	Flake fragment	No platform; partial bulb	EF*
LC09-6133g	B	0Z	3	Flake fragment	No platform; partial bulb; distal end fractured off	EF*
LC09-6150k	B	2B	5	Flake fragment	No platform; partial bulb	EF*
LC09-6160b	B	1Z	3	Flake fragment	No platform; partial bulb	EF*
LC09-6163r	B	1B	7	Flake fragment	No platform; partial bulb	EF*
LC09-6166d	B	1Z	4	Flake fragment	No platform; partial bulb	EF*
LC09-6176g	B	1Z	5	Flake fragment	No platform; partial bulb	EF*
LC09-6176h	B	1Z	5	Flake fragment	No platform; partial bulb	EF*

Table A.19 cont.

FS#	Op.	Unit	Lot	Artifact Category	Notes	Dating notes
LC09-6214y	B	Bur. 2		Flake fragment	Platform fractured off; possibly snapped on distal end; pulled for XRF	EF*
LC09-6220d	B	1Z	3	Flake fragment	No platform; partial bulb	EF*
LC09-6039b	B	1B	1	Flake fragment	Fractured platform; partial bulb	EF*
LC09-6125b	B	2B	2	Flake fragment	No platform; partial bulb	EF*
LC09-6129e	B	2B	3	Flake fragment	No platform; partial bulb	EF*
LC09-6150i	B	2B	5	Flake fragment	No platform; partial bulb	EF*
LC09-6150j	B	2B	5	Flake fragment	No platform; partial bulb	EF*
LC09-6163k	B	1B	7	Flake fragment	No platform; partial bulb	EF*
LC09-6179e	B	2B	6	Flake fragment	No platform; partial bulb	EF*
LC09-6179f	B	2B	6	Flake fragment	No platform; partial bulb	EF*
LC09-6224e	B	1Z	4	Flake fragment	No platform; partial bulb	EF*
LC09-6224k	B	1Z	4	Flake fragment	No platform; partial bulb	EF*

Table A.20 LC09 artifact measurements

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)
LC09-6096a	1	Clear	17.82	14.56	3.91	1.00
LC09-6075b	1	Gray	14.76	10.17	3.93	0.50
LC09-6185c	1	Black	20.18	11.53	5.57	1.42
LC09-6115z	6	Black	29.37	14.50	11.43	4.95
LC09-6057r	1	Clear	10.78	7.33	3.83	0.22
LC09-6099u	1	Clear	13.68	7.15	5.17	0.39
LC09-6115aa	1	Clear	23.51	14.99	4.55	1.42
LC09-6115ee	1	Clear	7.58	6.56	4.08	0.17
LC09-6121t	1	Clear	14.14	12.29	4.78	0.62
LC09-6129o	1	Clear	9.45	5.77	3.67	0.14
LC09-6133j	1	Clear	12.90	9.43	3.90	0.52
LC09-6143s	1	Clear	7.75	4.08	4.05	0.11
LC09-6143t	1	Clear	4.96	4.76	2.24	0.03
LC09-6163aa	1	Clear	10.06	4.83	3.85	0.13
LC09-6214x	1	Clear	5.72	3.63	3.57	0.06
LC09-6057o	1	Clear	16.65	11.61	3.84	0.44
LC09-6057p	1	Clear	14.66	2.74	4.36	0.21
LC09-6057q	1	Clear	13.82	4.98	5.60	0.25
LC09-6057s	1	Clear	6.51	5.69	2.49	0.07
LC09-6064f	1	Clear	7.87	6.79	3.51	0.11
LC09-6094g	1	Clear	26.96	14.13	5.12	1.49
LC09-6094i	1	Clear	11.90	7.47	4.13	0.32
LC09-6096l	1	Clear	13.32	4.46	4.34	0.15
LC09-6099t	1	Clear	12.00	7.79	5.45	0.34
LC09-6115dd	1	Clear	17.40	7.59	4.97	0.49
LC09-6121w	1	Clear	16.87	8.86	4.29	0.43
LC09-6125f	1	Clear	13.09	5.77	4.23	0.32
LC09-6127d	1	Clear	9.06	8.09	5.04	0.26
LC09-6136q	1	Clear	5.76	4.13	3.13	0.06
LC09-6143o	1	Clear	17.40	10.77	5.72	1.13
LC09-6143p	1	Clear	14.76	12.39	5.65	0.85
LC09-6143q	1	Clear	14.17	6.61	5.15	0.52
LC09-6143r	1	Clear	6.08	4.46	2.68	0.07
LC09-6148e	1	Clear	8.23	7.09	3.41	0.20
LC09-6150r	1	Clear	22.05	18.22	9.09	2.60
LC09-6150t	1	Clear	10.42	4.22	4.11	0.19
LC09-6150u	1	Clear	10.12	4.89	4.74	0.20
LC09-6150v	1	Clear	11.23	5.66	2.70	0.20
LC09-6201j	1	Clear	14.89	8.12	5.39	0.47
LC09-6214o	1	Clear	10.45	12.10	3.15	0.42
LC09-6214w	1	Clear	9.56	5.05	3.93	0.17
LC09-6075c	1	Gray	25.76	7.48	5.92	0.75
LC09-6110a	1	Gray	14.35	10.07	5.02	0.71
LC09-6182a	1	Gray	13.73	12.78	5.99	1.02
LC09-6185a	1	Gray	37.00	14.56	10.59	4.45

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)
LC09-6240a	1	Gray	18.81	8.64	4.34	0.43
LC09-6185d	1	Gray	14.42	17.77	7.21	1.17
LC09-6185e	1	Gray	15.56	14.68	6.07	1.32
LC09-6185f	1	Gray	16.49	7.09	6.55	0.79
LC09-6050a	1	Gray	10.02	6.49	4.53	0.26
LC09-6185b	1	Gray	23.46	14.06	7.95	2.05
LC09-6185g	1	Gray	10.27	7.78	4.75	0.33
LC09-6039d	1	Gray	9.47	8.43	4.21	0.24
LC09-6057b	1	Gray	17.43	15.56	6.80	1.64
LC09-6096j	1	Gray	12.26	8.23	6.08	0.50
LC09-6121u	1	Gray	15.83	8.25	4.57	0.70
LC09-6121v	1	Gray	13.81	9.14	4.80	0.50
LC09-6121x	1	Gray	8.89	7.04	5.55	0.35
LC09-6127b	1	Gray	17.40	20.55	6.33	2.03
LC09-6133h	1	Gray	23.35	12.43	7.52	2.13
LC09-6133i	1	Gray	11.36	7.42	6.72	0.42
LC09-6136l	1	Gray	21.57	16.35	7.92	2.38
LC09-6166i	1	Gray	17.42	9.00	6.44	0.60
LC09-6166j	1	Gray	14.46	10.20	7.13	0.87
LC09-6176p	1	Gray	18.34	13.65	6.75	1.27
LC09-6224l	1	Gray	13.59	8.62	8.31	0.71
LC09-6094h	1	Gray	19.85	15.02	8.93	2.18
LC09-6096k	1	Gray	11.49	7.06	4.60	0.27
LC09-6099v	1	Gray	12.75	9.23	4.88	0.52
LC09-6112b	1	Gray	22.94	16.35	6.37	2.32
LC09-6112d	1	Gray	16.26	9.69	5.87	0.94
LC09-6129m	1	Gray	10.98	8.53	4.13	0.45
LC09-6129n	1	Gray	10.30	8.70	4.60	0.31
LC09-6136o	1	Gray	11.83	8.74	4.29	0.28
LC09-6136p	1	Gray	7.26	6.74	4.46	0.17
LC09-6139l	1	Gray	18.42	13.70	7.49	1.53
LC09-6160e	1	Gray	19.82	13.00	10.24	1.80
LC09-6163x	1	Gray	13.83	9.37	6.47	0.71
LC09-6166k	1	Gray	11.11	7.66	6.16	0.60
LC09-6176q	1	Gray	14.18	9.06	7.39	0.98
LC09-6214a	1	Gray	34.30	15.63	10.96	4.53
LC09-6214u	1	Gray	20.71	15.77	10.61	2.63
LC09-6057n	1	Gray	15.70	10.87	9.52	1.47
LC09-6099r	1	Gray	22.87	15.05	13.89	3.39
LC09-6099s	1	Gray	16.61	12.69	5.60	0.90
LC09-6115bb	1	Gray	10.54	9.70	7.38	0.71
LC09-6121k	1	Gray	16.82	13.89	6.44	1.26
LC09-6127c	1	Gray	20.28	9.48	5.11	0.61
LC09-6136k	1	Gray	20.64	12.75	11.74	2.46
LC09-6136m	1	Gray	19.25	14.44	7.77	1.51
LC09-6136n	1	Gray	13.54	10.55	5.26	0.61
LC09-6150s	1	Gray	14.30	9.32	7.32	1.20

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)
LC09-6163a	1	Gray	23.32	13.56	7.21	1.63
LC09-6163y	1	Gray	11.12	7.14	4.43	0.28
LC09-6163z	1	Gray	13.33	4.48	4.21	0.24
LC09-6166h	1	Gray	19.40	16.46	8.60	2.48
LC09-6179a	1	Gray	22.56	13.55	7.97	1.57
LC09-6191g	1	Gray	26.89	19.26	12.14	5.74
LC09-6201h	1	Gray	21.13	15.14	8.59	2.21
LC09-6201i	1	Gray	19.01	7.62	6.04	0.78
LC09-6214v	1	Gray	13.89	12.86	7.59	1.13
LC09-6224m	1	Gray	11.03	9.30	6.85	0.53
LC09-6227a	1	Gray	19.77	19.99	8.27	3.15
LC09-6103a	1	Clear	12.71	19.29	3.28	0.60
LC09-6006a	1	Clear	16.73	12.66	3.06	0.55
LC09-6017a	1	Clear	16.11	13.09	4.73	0.74
LC09-6096b	1	Clear	15.43	17.60	5.50	1.42
LC09-6057a	1	Clear	16.65	18.37	1.98	0.41
LC09-6057e	1	Clear	12.20	9.99	3.41	0.39
LC09-6094c	1	Clear	10.02	17.73	3.46	0.40
LC09-6099d	1	Clear	8.49	20.84	4.85	0.54
LC09-6099g	1	Clear	15.86	10.20	3.49	0.28
LC09-6115b	1	Clear	10.28	9.77	3.01	0.29
LC09-6121d	1	Clear	13.57	20.53	3.37	0.81
LC09-6133c	1	Clear	11.89	9.74	2.47	0.23
LC09-6133d	1	Clear	11.17	6.24	1.86	0.13
LC09-6136b	1	Clear	18.94	25.46	3.85	1.84
LC09-6139a	1	Clear	21.77	15.47	5.34	1.37
LC09-6143d	1	Clear	8.25	14.36	1.98	0.26
LC09-6143g	1	Clear	18.25	8.08	2.02	0.25
LC09-6150e	1	Clear	10.33	17.44	3.29	0.34
LC09-6160a	1	Clear	17.20	13.89	3.67	0.70
LC09-6163f	1	Clear	13.65	12.01	2.29	0.25
LC09-6163g	1	Clear	11.61	12.40	2.63	0.21
LC09-6170a	1	Clear	23.67	25.80	5.39	2.21
LC09-6170c	1	Clear	9.93	14.76	5.28	0.55
LC09-6176e	1	Clear	15.67	17.24	6.67	1.41
LC09-6198b	1	Clear	6.93	11.95	4.12	0.23
LC09-6201a	1	Clear	12.99	11.29	2.87	0.40
LC09-6214h	1	Clear	9.55	9.38	1.87	0.14
LC09-6224d	1	Clear	14.40	11.56	3.65	0.50
LC09-6227c	1	Clear	10.92	13.47	2.38	0.24
LC09-6057c	1	Clear	18.87	11.61	2.27	0.43
LC09-6057d	1	Clear	12.70	17.10	3.11	0.47
LC09-6094a	1	Clear	17.10	13.40	5.57	0.88
LC09-6094b	1	Clear	23.24	12.84	3.42	0.87
LC09-6096c	1	Clear	10.79	12.46	3.47	0.29
LC09-6099a	1	Clear	19.75	9.45	4.74	0.64
LC09-6099b	1	Clear	19.49	16.57	5.30	1.32

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)
LC09-6099c	1	Clear	14.09	13.20	4.74	1.00
LC09-6099e	1	Clear	12.71	8.30	3.84	0.39
LC09-6099f	1	Clear	12.29	6.39	3.59	0.27
LC09-6099h	1	Clear	8.70	11.48	2.13	0.23
LC09-6099n	1	Clear	11.29	15.22	2.54	0.43
LC09-6112c	1	Clear	16.06	12.70	2.69	0.39
LC09-6115a	1	Clear	23.43	19.78	4.34	1.01
LC09-6136e	1	Clear	18.47	24.72	4.07	1.31
LC09-6136f	1	Clear	18.96	17.30	5.42	1.74
LC09-6139c	1	Clear	23.20	12.26	3.87	1.29
LC09-6139d	1	Clear	17.48	14.03	3.35	0.99
LC09-6139e	1	Clear	15.78	14.13	2.53	0.60
LC09-6139f	1	Clear	11.07	10.90	3.24	0.42
LC09-6143c	1	Clear	13.36	17.65	3.41	0.54
LC09-6150d	1	Clear	12.94	14.05	2.82	0.29
LC09-6157a	1	Clear	19.12	15.26	5.59	1.08
LC09-6157c	1	Clear	9.90	11.19	2.48	0.21
LC09-6163b	1	Clear	23.07	28.88	3.54	1.51
LC09-6163c	1	Clear	13.49	9.60	1.35	0.23
LC09-6163d	1	Clear	11.76	8.63	4.31	0.38
LC09-6163h	1	Clear	8.88	11.33	1.48	0.10
LC09-6176c	1	Clear	28.81	18.40	2.29	0.97
LC09-6176f	1	Clear	12.30	13.40	2.40	0.27
LC09-6191a	1	Clear	14.49	20.53	3.15	0.84
LC09-6191b	1	Clear	15.38	14.78	1.65	0.37
LC09-6191c	1	Clear	13.30	16.71	4.14	0.65
LC09-6214b	1	Clear	21.93	22.01	3.69	1.38
LC09-6214c	1	Clear	13.51	7.61	3.81	0.27
LC09-6214d	1	Clear	8.44	12.13	3.10	0.23
LC09-6220a	1	Clear	17.48	11.84	3.52	0.68
LC09-6220b	1	Clear	9.63	12.52	3.21	0.32
LC09-6224b	1	Clear	20.15	25.59	4.61	2.32
LC09-6053a	1	Gray	19.73	18.05	5.02	1.51
LC09-6090a	1	Gray	15.82	11.24	3.68	0.71
LC09-6090d	1	Gray	10.98	7.77	2.93	0.21
LC09-6121b	1	Gray	17.74	16.11	6.34	1.72
LC09-6133a	1	Gray	14.61	11.08	5.07	0.72
LC09-6133b	1	Gray	11.04	15.05	3.01	0.38
LC09-6136c	1	Gray	20.20	13.30	6.52	1.46
LC09-6150a	1	Gray	14.57	29.19	3.74	1.04
LC09-6166b	1	Gray	12.43	15.98	4.68	0.68
LC09-6176b	1	Gray	23.11	36.02	5.35	4.35
LC09-6179c	1	Gray	22.48	19.45	6.19	2.49
LC09-6179d	1	Gray	14.09	18.93	6.69	1.17
LC09-6224c	1	Gray	18.50	29.31	5.90	2.17
LC09-6121c	1	Gray	16.89	22.29	4.70	1.54
LC09-6121e	1	Gray	14.79	19.96	5.30	1.26

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)
LC09-6150b	1	Gray	17.88	26.46	6.28	2.19
LC09-6150c	1	Gray	13.12	15.40	3.39	0.56
LC09-6150f	1	Gray	8.25	16.62	3.33	0.38
LC09-6155a	1	Gray	11.84	13.95	3.79	0.48
LC09-6157b	1	Gray	13.01	12.05	3.88	0.68
LC09-6163e	1	Gray	10.25	12.67	6.82	0.71
LC09-6170b	1	Gray	24.35	22.45	5.31	2.34
LC09-6224a	1	Gray	24.23	24.08	7.51	3.16
LC09-6061a	1	Gray	11.74	26.86	8.57	2.36
LC09-6096f	1	Gray	17.82	13.35	3.15	0.63
LC09-6121a	1	Gray	29.33	28.62	8.10	5.51
LC09-6136a	1	Gray	28.98	15.22	7.40	2.13
LC09-6136d	1	Gray	14.67	22.92	8.22	2.47
LC09-6166a	1	Gray	35.71	26.86	6.17	4.55
LC09-6176d	1	Gray	30.66	19.79	4.56	2.60
LC09-6179b	1	Gray	22.89	19.25	8.87	2.23
LC09-6022a	1	Clear	11.59	10.68	4.25	0.23
LC09-6019a	1	Clear	10.65	9.21	3.29	0.26
LC09-6088b	1	Clear	10.82	7.94	1.30	0.07
LC09-6244a	1	Clear	9.02	10.49	2.68	0.16
LC09-6006b	1	Clear	14.19	13.74	3.53	0.43
LC09-6013a	1	Clear	22.13	14.06	5.56	1.23
LC09-6088a	1	Clear	11.92	12.39	2.27	0.39
LC09-6244b	1	Clear	12.49	13.43	4.20	0.47
LC09-6244c	1	Clear	9.85	27.67	2.90	0.70
LC09-6115v	1	Clear	11.04	3.06	1.52	0.04
LC09-6115y	1	Clear	6.21	3.52	1.67	0.02
LC09-6039c	1	Clear	9.29	12.19	1.61	0.14
LC09-6043b	1	Clear	14.43	10.62	2.71	0.24
LC09-6057i	1	Clear	6.33	16.35	3.55	0.26
LC09-6057k	1	Clear	8.87	8.58	3.05	0.18
LC09-6057l	1	Clear	14.67	6.70	2.80	0.24
LC09-6057m	1	Clear	6.96	12.72	1.75	0.14
LC09-6061b	1	Clear	11.49	12.07	2.32	0.24
LC09-6064b	1	Clear	10.55	8.96	3.16	0.29
LC09-6064c	1	Clear	10.32	8.63	2.73	0.14
LC09-6064e	1	Clear	11.04	9.23	1.48	0.08
LC09-6096h	1	Clear	11.09	9.23	0.76	0.07
LC09-6096j	1	Clear	11.11	6.31	1.34	0.09
LC09-6099j	1	Clear	17.91	10.44	3.48	0.35
LC09-6099m	1	Clear	10.80	8.28	2.37	0.23
LC09-6099q	1	Clear	8.62	12.30	1.37	0.14
LC09-6115e	1	Clear	19.73	9.88	4.76	0.83
LC09-6115g	1	Clear	12.48	12.78	4.93	0.66
LC09-6115m	1	Clear	16.62	10.72	3.87	0.52
LC09-6115n	1	Clear	10.16	9.32	1.94	0.17
LC09-6115o	1	Clear	13.30	8.52	1.78	0.19

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)
LC09-6115q	1	Clear	10.43	8.70	1.70	0.15
LC09-6115r	1	Clear	15.03	13.63	3.80	0.58
LC09-6115s	1	Clear	12.80	6.11	2.80	0.20
LC09-6115t	1	Clear	9.71	7.90	2.04	0.14
LC09-6115u	1	Clear	7.64	8.11	3.00	0.14
LC09-6115w	1	Clear	4.77	4.08	2.24	0.03
LC09-6115x	1	Clear	6.86	5.40	2.65	0.07
LC09-6119b	1	Clear	9.14	13.70	2.59	0.33
LC09-6121l	1	Clear	12.15	15.13	4.92	0.74
LC09-6121m	1	Clear	11.36	13.18	4.54	0.55
LC09-6121q	1	Clear	12.83	12.42	5.00	0.48
LC09-6127a	1	Clear	7.46	10.43	1.46	0.11
LC09-6129c	1	Clear	16.64	8.75	2.49	0.29
LC09-6129h	1	Clear	10.29	7.15	2.58	0.14
LC09-6129j	1	Clear	7.62	10.23	1.35	0.08
LC09-6129k	1	Clear	7.29	6.74	1.54	0.05
LC09-6129l	1	Clear	6.47	5.57	1.14	0.03
LC09-6133e	1	Clear	22.15	15.02	4.62	0.91
LC09-6133f	1	Clear	19.00	9.73	5.16	0.73
LC09-6136g	1	Clear	18.20	14.55	6.74	1.43
LC09-6139i	1	Clear	16.56	10.08	3.76	0.57
LC09-6143j	1	Clear	12.38	7.35	3.84	0.21
LC09-6143m	1	Clear	10.69	7.12	4.22	0.25
LC09-6148a	1	Clear	17.67	16.51	5.79	1.26
LC09-6148b	1	Clear	12.15	14.46	2.79	0.32
LC09-6157f	1	Clear	10.47	6.05	2.24	0.19
LC09-6160c	1	Clear	14.48	10.33	3.62	0.48
LC09-6160d	1	Clear	12.80	4.60	1.54	0.08
LC09-6163j	1	Clear	18.77	8.08	2.29	0.33
LC09-6163l	1	Clear	15.44	12.11	4.57	0.66
LC09-6163m	1	Clear	13.72	10.61	2.58	0.34
LC09-6163n	1	Clear	15.13	9.33	2.75	0.32
LC09-6163p	1	Clear	14.73	8.23	4.28	0.48
LC09-6163q	1	Clear	12.47	8.74	2.96	0.23
LC09-6163t	1	Clear	11.26	6.95	1.84	0.16
LC09-6163u	1	Clear	7.93	8.61	2.29	0.09
LC09-6163w	1	Clear	10.33	7.63	1.21	0.03
LC09-6166c	1	Clear	21.93	15.16	4.32	0.79
LC09-6170e	1	Clear	13.54	8.58	2.52	0.26
LC09-6170i	1	Clear	10.44	7.77	1.93	0.15
LC09-6170j	1	Clear	9.88	12.51	1.38	0.16
LC09-6176a	1	Clear	24.92	17.79	3.44	1.27
LC09-6176l	1	Clear	14.10	11.35	1.18	0.17
LC09-6176m	1	Clear	12.37	10.01	1.78	0.16
LC09-6176o	1	Clear	7.58	6.24	2.28	0.08
LC09-6179j	1	Clear	9.13	14.19	2.71	0.29
LC09-6179m	1	Clear	9.04	3.25	2.76	0.03

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)
LC09-6191f	1	Clear	15.71	8.96	4.11	0.37
LC09-6198a	1	Clear	10.48	12.79	3.92	0.49
LC09-6201d	1	Clear	13.33	10.16	1.57	0.24
LC09-6214f	1	Clear	19.01	16.44	4.31	0.95
LC09-6214k	1	Clear	11.04	11.40	4.02	0.33
LC09-6214l	1	Clear	13.94	8.41	3.29	0.27
LC09-6214p	1	Clear	11.56	9.20	2.16	0.12
LC09-6214q	1	Clear	11.48	9.53	0.99	0.09
LC09-6224i	1	Clear	12.31	12.44	2.31	0.31
LC09-6224j	1	Clear	8.97	10.95	2.38	0.19
LC09-6039a	1	Clear	16.22	15.21	2.45	0.58
LC09-6043a	1	Clear	13.16	12.95	3.18	0.44
LC09-6057g	1	Clear	9.81	15.84	3.99	0.72
LC09-6057h	1	Clear	7.36	17.17	4.70	0.45
LC09-6057j	1	Clear	12.88	8.23	4.52	0.41
LC09-6064a	1	Clear	12.97	8.72	2.32	0.26
LC09-6064d	1	Clear	10.16	7.50	1.76	0.10
LC09-6094e	1	Clear	16.58	9.35	3.04	0.35
LC09-6094f	1	Clear	12.91	9.24	2.36	0.32
LC09-6096d	1	Clear	16.11	9.53	2.31	0.31
LC09-6096e	1	Clear	13.27	7.71	1.93	0.17
LC09-6096g	1	Clear	12.95	11.74	2.55	0.41
LC09-6096i	1	Clear	11.17	10.21	3.36	0.25
LC09-6099i	1	Clear	18.92	12.59	2.92	0.43
LC09-6099k	1	Clear	15.65	7.45	2.53	0.22
LC09-6099l	1	Clear	12.09	9.67	2.55	0.21
LC09-6099o	1	Clear	10.40	8.26	3.29	0.31
LC09-6099p	1	Clear	8.77	8.11	2.20	0.12
LC09-6112a	1	Clear	13.75	9.07	2.45	0.19
LC09-6115c	1	Clear	18.02	11.05	4.97	0.83
LC09-6115cc	1	Clear	15.51	7.83	0.88	0.13
LC09-6115d	1	Clear	11.27	8.99	4.77	0.37
LC09-6115f	1	Clear	16.10	9.90	3.15	0.51
LC09-6115i	1	Clear	11.97	9.56	2.45	0.23
LC09-6115j	1	Clear	11.41	10.99	1.81	0.21
LC09-6115k	1	Clear	12.19	9.39	3.02	0.32
LC09-6115l	1	Clear	11.59	10.67	2.58	0.18
LC09-6115p	1	Clear	10.31	11.74	1.12	0.13
LC09-6119a	1	Clear	12.55	9.39	1.99	0.20
LC09-6121i	1	Clear	12.50	16.06	6.40	0.88
LC09-6121j	1	Clear	18.59	12.18	7.83	1.57
LC09-6121n	1	Clear	6.71	12.72	3.55	0.29
LC09-6121o	1	Clear	9.50	9.39	2.59	0.21
LC09-6121p	1	Clear	13.65	8.07	4.08	0.34
LC09-6125a	1	Clear	14.74	21.30	5.17	1.00
LC09-6125c	1	Clear	12.61	8.48	1.77	0.19
LC09-6125d	1	Clear	8.40	13.65	3.32	0.24

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)
LC09-6125e	1	Clear	10.68	7.47	2.87	0.20
LC09-6129a	1	Clear	12.39	17.04	4.47	0.76
LC09-6129b	1	Clear	14.44	8.18	1.13	0.14
LC09-6129d	1	Clear	18.41	7.65	4.51	0.46
LC09-6129f	1	Clear	13.58	7.85	2.43	0.26
LC09-6129g	1	Clear	11.19	5.82	2.64	0.15
LC09-6129i	1	Clear	11.31	8.61	2.03	0.16
LC09-6136i	1	Clear	10.55	8.89	1.70	0.14
LC09-6136j	1	Clear	9.34	6.11	2.24	0.11
LC09-6139b	1	Clear	12.03	17.66	3.51	0.31
LC09-6139g	1	Clear	11.80	13.05	3.98	0.41
LC09-6139h	1	Clear	11.08	8.44	3.00	0.34
LC09-6139j	1	Clear	10.45	10.18	2.20	0.17
LC09-6139k	1	Clear	9.33	5.19	1.50	0.05
LC09-6143e	1	Clear	17.68	15.47	3.97	0.89
LC09-6143f	1	Clear	22.92	17.79	12.37	0.83
LC09-6143h	1	Clear	15.56	11.28	3.03	0.38
LC09-6143i	1	Clear	14.07	6.47	2.48	0.19
LC09-6143k	1	Clear	13.72	5.81	2.75	0.19
LC09-6143l	1	Clear	10.30	8.67	3.58	0.24
LC09-6143n	1	Clear	5.29	4.04	2.52	0.03
LC09-6148c	1	Clear	13.19	12.17	2.58	0.34
LC09-6148d	1	Clear	5.32	6.24	1.11	0.04
LC09-6150g	1	Clear	16.68	14.58	4.89	1.28
LC09-6150l	1	Clear	15.36	8.83	4.22	0.45
LC09-6150m	1	Clear	12.30	7.48	1.28	0.11
LC09-6150n	1	Clear	12.30	9.10	2.79	0.22
LC09-6150o	1	Clear	11.28	6.75	2.61	0.20
LC09-6150p	1	Clear	9.95	5.71	2.65	0.11
LC09-6150q	1	Clear	7.81	5.46	1.35	0.05
LC09-6157d	1	Clear	16.15	7.47	4.65	0.48
LC09-6157e	1	Clear	15.12	6.67	4.04	0.31
LC09-6163i	1	Clear	24.90	9.61	2.70	0.53
LC09-6163o	1	Clear	13.22	5.13	3.47	0.19
LC09-6163s	1	Clear	13.30	7.97	2.90	0.17
LC09-6166e	1	Clear	11.39	8.51	2.20	0.21
LC09-6166f	1	Clear	13.22	5.56	2.83	0.20
LC09-6166g	1	Clear	10.84	4.79	2.63	0.13
LC09-6170d	1	Clear	17.57	16.78	3.81	1.13
LC09-6170f	1	Clear	13.51	10.16	3.60	0.36
LC09-6170h	1	Clear	13.45	8.95	2.26	0.21
LC09-6176k	1	Clear	17.32	12.38	2.48	0.28
LC09-6176n	1	Clear	11.97	10.30	2.41	0.22
LC09-6179g	1	Clear	13.22	12.14	3.61	0.45
LC09-6179h	1	Clear	19.05	10.87	3.03	0.43
LC09-6179i	1	Clear	15.11	8.80	3.55	0.24
LC09-6179k	1	Clear	12.63	9.85	3.67	0.23

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)
LC09-6179l	1	Clear	13.07	8.00	2.80	0.17
LC09-6191d	1	Clear	15.52	17.07	5.12	0.98
LC09-6191e	1	Clear	13.22	21.25	4.96	0.98
LC09-6201b	1	Clear	10.58	13.60	3.05	0.36
LC09-6201c	1	Clear	9.15	14.47	4.63	0.50
LC09-6201e	1	Clear	13.27	5.97	5.78	0.34
LC09-6201f	1	Clear	10.15	11.31	2.65	0.24
LC09-6201g	1	Clear	10.35	5.37	3.44	0.14
LC09-6214e	1	Clear	14.39	21.98	4.75	1.41
LC09-6214g	1	Clear	16.89	17.27	3.82	0.89
LC09-6214i	1	Clear	12.02	19.29	5.54	0.87
LC09-6214j	1	Clear	16.09	9.68	3.91	0.39
LC09-6214m	1	Clear	10.37	10.64	2.76	0.30
LC09-6214n	1	Clear	12.63	6.74	2.91	0.20
LC09-6214r	1	Clear	6.67	4.36	2.51	0.10
LC09-6214s	1	Clear	8.46	5.37	2.85	0.11
LC09-6214t	1	Clear	6.18	5.76	2.17	0.05
LC09-6220c	1	Clear	17.07	8.48	2.64	0.35
LC09-6224f	1	Clear	20.23	10.22	4.94	0.74
LC09-6224g	1	Clear	17.11	13.28	3.72	0.74
LC09-6224h	1	Clear	14.93	14.35	5.17	0.79
LC09-6227b	1	Clear	15.25	18.78	3.70	0.94
LC09-6106a	1	Clear	25.63	14.65	5.24	1.71
LC09-6017b	1	Gray	11.47	7.91	3.81	0.32
LC09-6075a	1	Gray	24.87	12.84	4.65	1.02
LC09-6003a	1	Gray	19.76	20.78	4.25	1.43
LC09-6008a	1	Gray	33.01	16.54	8.37	3.57
LC09-6176j	1	Gray	16.30	10.31	5.04	0.49
LC09-6057f	1	Gray	24.99	21.96	9.08	4.50
LC09-6090b	1	Gray	18.79	20.92	1.62	0.34
LC09-6090c	1	Gray	12.95	18.06	4.54	0.58
LC09-6115h	1	Gray	11.00	11.99	5.28	0.57
LC09-6121f	1	Gray	20.36	26.95	7.20	3.15
LC09-6121g	1	Gray	17.22	25.26	5.40	2.14
LC09-6121h	1	Gray	14.40	17.31	5.80	1.21
LC09-6136h	1	Gray	15.65	11.53	3.06	0.49
LC09-6143a	1	Gray	14.94	15.22	6.44	1.03
LC09-6143b	1	Gray	27.82	10.00	5.72	1.31
LC09-6150h	1	Gray	20.26	15.39	6.23	1.47
LC09-6160g	1	Gray	21.24	9.93	3.95	0.63
LC09-6163v	1	Gray	7.71	7.94	2.31	0.17
LC09-6176i	1	Gray	15.45	18.91	8.39	1.46
LC09-6068a	1	Gray	10.44	13.40	4.38	0.61
LC09-6094d	1	Gray	17.51	10.91	4.41	0.74
LC09-6121r	1	Gray	15.07	10.50	3.81	0.39
LC09-6121s	1	Gray	14.95	12.15	3.06	0.38
LC09-6133g	1	Gray	16.08	26.60	8.55	3.54

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)
LC09-6150k	1	Gray	11.74	10.94	2.49	0.31
LC09-6160b	1	Gray	12.80	11.92	4.52	0.77
LC09-6163r	1	Gray	12.80	8.71	3.68	0.37
LC09-6166d	1	Gray	0.79	13.38	3.62	0.39
LC09-6176g	1	Gray	27.40	14.15	4.12	1.58
LC09-6176h	1	Gray	26.65	15.92	6.75	1.83
LC09-6214y	1	Gray	11.94	7.93	1.39	0.16
LC09-6220d	1	Gray	10.15	7.35	3.46	0.23
LC09-6039b	1	Gray	9.66	14.93	3.96	0.39
LC09-6125b	1	Gray	13.40	9.82	4.02	0.61
LC09-6129e	1	Gray	11.26	18.81	5.12	0.77
LC09-6150i	1	Gray	16.13	13.32	4.96	0.85
LC09-6150j	1	Gray	13.97	8.89	2.56	0.28
LC09-6163k	1	Gray	17.91	12.11	4.71	0.86
LC09-6179e	1	Gray	12.31	15.69	6.63	1.02
LC09-6179f	1	Gray	12.99	18.50	3.62	0.51
LC09-6224e	1	Gray	18.80	18.00	7.15	2.03
LC09-6224k	1	Gray	10.53	9.07	3.12	0.18
TOTALS:	444		Avg 14.08	Avg 12.51	Avg 3.61	Sum 321.17

Table A.21 Yugüe 2000 (YG0) artifacts

FS#	Op.	Unit	Lot	Artifact Category	Blade Segment	Notes	Dating Notes
YG0-003a	B		9	Chunk		Scarring around entire perimeter of piece; no distinct platforms or bulbs	
YG0-005a	C		6	Flake		First-stage flake from core preparation (see Clark and Bryant 1997:119-121); crushed platform; bulb on ventral surface; percussion flakes removed on dorsal surface	
YG0-001a	B		2	Flake		Percussion flake; no platform, bulb on ventral surface; thinning flake?	
YG0-007a	C		17	Flake		Percussion flake; multiple percussion facets across dorsal and ventral surfaces; hinge fracture on dorsal surface - flake removed to get rid of it	LF*
YG0A-13				Flake fragment		From flotation (8; sorted 3.12.01); no platform or bulb of percussion; partial hinge fracture on dorsal surface; small flake scars on both surfaces	
YG0A-14(1)				Flake fragment		No platform; partial bulb of percussion; probably a pressure flake fragment; from flotation (16; sorted 4.06.01)	
YG0-004c	C		2	Prismatic blade	Distal	Final-stage blade; very distal tip	
YG0-004a	C		2	Prismatic blade	Medial	Final-stage blade	
YG0-006a	C		16	Prismatic blade	Medial	Final-stage blade	LF*
YG0-004b	C		2	Prismatic blade	Medial	Final-stage blade; one side completely fractured off length-wise	
YG0-002a	B		6	Prismatic blade	Proximal	Early final-stage blade; small platform; scarring on dorsal surface	

Table A.22 YG0 artifact measurements

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
YG0-003a	1	Gray	14.55	15.18	6.80	1.22	
YG0-005a	1	Gray	30.90	13.95	6.44	1.69	
YG0-001a	1	Gray	16.85	12.12	2.70	0.45	
YG0-007a	1	Gray	26.39	16.76	6.56	1.79	
YG0A-13	1	Black	7.43	5.72	2.65	0.07	
YG0A-14(1)	1	Gray	7.56	4.76	1.63	0.04	
			Avg	Avg	Avg		
			17.83	10.66	4.00		
YG0-004c	1	Gray	8.12	7.04	2.46	0.09	18.0444444
YG0-004a	1	Gray	13.85	9.30	2.35	0.36	7.69444444
YG0-006a	1	Gray	18.57	19.25	5.19	1.85	2.00756757
YG0-004b	1	Green	7.96	7.23	2.10	0.09	17.6888889
YG0-002a	1	Gray	11.61	10.86	1.78	0.27	8.6
			Avg	Avg	Avg	Sum	Avg
TOTALS:	11		12.02	10.74	2.78	7.92	10.8070691
						s.d. =	6.92332758

Table A.23 Yugüe 2003 (PRV03) artifacts

FS#	Op.	Unit	Lot	Artifact Category	Blade Segment	Notes	Dating Notes	Area
PRV03-0086a	2	7O51	1	Biface		Large bifacially flaked tool - probably a knife or projectile point; proximal tip and distal end fractured; parallel pressure flaking along dorsal and ventral surfaces	LPC	
PRV03-0176a	2	6O52	1	Chunk		No distinctive platform; flake scars over entire surface	LPC	
PRV03-0406b	2	9N51	1	Chunk		No distinctive platform; flake scars over entire surface	LPC	
PRV03-0981d	1	1G225	1	Chunk		Rectangular in cross-section; no platform; scars around perimeter of artifact	LPC-Mod.	B
PRV03-0728	1	1I226	3	Chunk		No distinctive platform; flake scars over entire surface of artifact; poor quality - many inclusions in artifact	LTF	C
PRV03-0592	1	0G221	3	Chunk		No distinctive platform; flake scars over entire surface of artifact	LTF	B
PRV03-0345b	1	1G219	1	Chunk		No distinctive platform; flake scars over entire surface	Mixed LTF, LPC, mod.	B
PRV03-0692a	1	0I229	1	Chunk		No distinctive platform; flake scars over entire surface	Mod.	C
PRV03-0960	2	4O51	3	Flake		Complete flake: platform intact, bulb present, feather termination; probable thinning flake; small, single facet on distal end	LPC	
PRV03-1801	2	3O50	2	Flake		Platform intact; bulb present; feather termination; dorsal surface a single, flat facet	LPC	

Table A.23 cont.

FS#	Op.	Unit	Lot	Artifact Category	Blade Segment	Notes	Dating Notes	Area
PRV03-0837b	2	8N54	2	Flake		Probable rejuvenation flake; begins as thick, blade like end (16.17 mm wd, 17.42 mm thk) and turns into large, wide outré passé flake; hinge fracture at proximal end of blade-like section; triangular in cross-section; distal end (inward curving part) is relatively flat; no arrises, as if it was a polyhedral core	LPC	
PRV03-1502c	1	1G225	4	Flake		Small platform; bulb intact; fractured termination	LPC*	B
PRV03-1000l	1	1G225	2	Flake		Core rejuvenation flake; several arrises/facets on dorsal surface	LPC*	B
PRV03-1000m	1	1G225	2	Flake		Broken platform; complete bulb; hinge termination	LPC*	B
PRV03-1000o	1	1G225	2	Flake		Core rejuvenation flake; platform small; bulb of percussion intact; feather termination; several arrises/facets indicating core surface	LPC*	B
PRV03-0512a	1	0G220	3	Flake		Percussion flake; platform intact; preparation or rejuvenation flake; hinge fracture just below platform on dorsal surface	LTF	B
PRV03-1282	1	8H227	3	Flake		Small platform; bulb intact; feather termination	LTF	C
PRV03-1720	1	3I225	3	Flake		Small platform; bulb intact; broken distal end	LTF	C
PRV03-1335b	1	9H228	3	Flake		Small flake; small platform and bulb	LTF	C
PRV03-0140a	1	1G221	1	Flake		Percussion flake; platform partially crushed; multiple flake scars on dorsal surface; distal end crushed	Mixed LTF, LPC, mod.	B
PRV03-0868a	1	9G227	1	Flake		Percussion flake; small platform; hinge fracture on dorsal surface	Mixed LTF, LPC, mod.	B
PRV03-1738a	1	2G220	1	Flake		Percussion flake; platform present; thin	Mixed LTF, LPC, mod.	B

Table A.23 cont.

FS#	Op.	Unit	Lot	Artifact Category	Blade Segment	Notes	Dating Notes	Area
PRV03-0328d	1	0G217	1	Flake		Large percussion flake; platform crushed; probably preparation or rejuvenation flake; single arris on dorsal surface; snap fracture on distal end of ventral surface	Mixed LTF, LPC, mod.	B
PRV03-0230a	2	3O51	2	Flake fragment		No platform or noticeable bulb	LPC	
PRV03-0253a	2	0O50	1	Flake fragment		Probably part of prismatic blade - single arris on dorsal surface; hinge/step fracture on right lateral margin	LPC	
PRV03-0433e	2	6N54	1	Flake fragment		Percussion flake; no platform; partial bulb	LPC	
PRV03-1000n	1	1G225	2	Flake fragment		No platform; partial bulb; cortex (~25%) on dorsal surface	LPC*	B
PRV03-1502b	1	1G225	4	Flake fragment		No platform; partial bulb	LPC*	B
PRV03-0711a	1	5I229	2	Flake fragment		No platform; partial bulb	LTF	C
PRV03-0421a	2	5N56	8	Flake fragment		Large percussion flake; no platform; partial bulb; several small hinge fractures on dorsal surface near proximal end	LTF	
PRV03-0670a	1	1I226	2	Flake fragment		Probably part of prismatic blade; no platform; single arris on dorsal surface	LTF	C
PRV03-0447	1	2G219	2	Flake fragment		No platform; partial bulb; distal end terminates in hinge fracture	LTF*	B
PRV03-0130a	1	2G222	1	Flake fragment		Percussion flake; no platform; scars on dorsal and ventral surfaces	Mixed LTF, LPC, mod.	B
PRV03-0140b	1	1G221	1	Flake fragment		Percussion flake; no platform; scars on dorsal surface	Mixed LTF, LPC, mod.	B
PRV03-0390e	1	1G216	1	Flake fragment		No platform or noticeable bulb	Mixed LTF, LPC, mod.	B
PRV03-1156c	1	1H227	1	Flake fragment		Small flake; no platform or noticeable bulb	Mod.	C

Table A.23 cont.

FS#	Op.	Unit	Lot	Artifact Category	Blade Segment	Notes	Dating Notes	Area
PRV03-0552c	1	0I226	1	Flake fragment		Percussion flake; no platform; partial bulb	Mod.	C
PRV03-0703b	1	5I229	1	Flake fragment		No platform; partial bulb	Mod.	C
PRV03-0463	1	7H224	4	Flake fragment		No platform; partial bulb; cortex (~60%) on dorsal surface		C
PRV03-0180a	2	6O53	1	Prismatic blade	Distal	Final-stage blade; distal tip intact; single facet at tip; outré passé curve	LPC	
PRV03-0864a	2	8N53	1	Prismatic blade	Distal	Final-stage blade; distal tip intact but slightly flaked; outré passé curve; refits to PRV03-0862a pieces	LPC	
PRV03-0941	2	8N53	2	Prismatic blade	Medial	Snap fracture on proximal end of dorsal surface	LPC	
PRV03-0168b	2	5O51	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of ventral surface; partial snap tab on distal end of ventral surface	LPC	
PRV03-0233a	2	4O50	1	Prismatic blade	Medial	Final-stage blade; partial snap fracture on proximal end of ventral surface	LPC	
PRV03-0303a	2	9N50	1	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	LPC	
PRV03-0303b	2	9N50	1	Prismatic blade	Medial	Final-stage blade	LPC	
PRV03-0309a	2	8N50	1	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	LPC	
PRV03-0406a	2	9N51	1	Prismatic blade	Medial	Final-stage blade	LPC	
PRV03-0429a	2	9N54	1	Prismatic blade	Medial	Final-stage blade; partial snap tabs on proximal and distal ends of dorsal surface	LPC	
PRV03-0433b	2	6N54	1	Prismatic blade	Medial	Final-stage blade; fractures on proximal and ventral surfaces; hinge fracture on dorsal surface - blades being removed from distal end - indication of bipolar core?	LPC	

Table A.23 cont.

FS#	Op.	Unit	Lot	Artifact Category	Blade Segment	Notes	Dating Notes	Area
PRV03-0433c	2	6N54	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	LPC	
PRV03-0433d	2	6N54	1	Prismatic blade	Medial	Final-stage blade; proximal end fractured	LPC	
PRV03-0832c	2	9N54	2	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of ventral surface	LPC	
PRV03-0837a	2	8N54	2	Prismatic blade	Medial	Final-stage blade; small segment, probably medial segment from snapping blade into sections	LPC	
PRV03-0846a	2	7N54	1	Prismatic blade	Medial	Final-stage blade; hinge fracture on proximal end of dorsal surface	LPC	
PRV03-0944a	2	5N55	1	Prismatic blade	Medial	Final-stage blade; small snap fracture on proximal end of ventral surface	LPC	
PRV03-0953a	2	8N55	3	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of ventral surface	LPC	
PRV03-0168a	2	5O51	1	Prismatic blade	Proximal	Final-stage blade; ground platform; fractured on distal end	LPC	
PRV03-0223a	2	4O51	2	Prismatic blade	Proximal	Final-stage blade; ground platform; snap tab on distal end of dorsal surface	LPC	
PRV03-0433a	2	6N54	1	Prismatic blade	Proximal	Final-stage blade; ground platform; snap fracture on distal end of dorsal surface	LPC	
PRV03-0832a	2	9N54	2	Prismatic blade	Proximal	Final-stage blade; ground platform; overhang removal	LPC	
PRV03-0832b	2	9N54	2	Prismatic blade	Proximal	Final-stage blade; ground platform; overhang removal	LPC	
PRV03-0846b	2	7N54	1	Prismatic blade	Proximal	Final-stage blade; ground platform; snap fracture on distal end of ventral surface	LPC	
PRV03-0862a	2	8N55	2	Prismatic blade	Proximal	Final-stage blade; ground platform; overhang removal; 2nd piece is a pseudo-bowtie flake (see Clark and Bryant 1997:122) that refits - from snapping the blade into sections; refits w/ PRV03-0864a	LPC	

Table A.23 cont.

FS#	Op.	Unit	Lot	Artifact Category	Blade Segment	Notes	Dating Notes	Area
PRV03-1000f	1	1G225	2	Prismatic blade	Distal	Distal end retouched to form a scraper; small, partial snap tab on proximal end of dorsal surface	LPC*	B
PRV03-1000g	1	1G225	2	Prismatic blade	Distal	Distal end retouched to form a scraper; small snap fracture on proximal end of dorsal surface	LPC*	B
PRV03-1507a	1	1G225	5	Prismatic blade	Medial	Final-stage blade; probably near distal end - gets very thin; microflaking at very distal end	LPC*	B
PRV03-1507c	1	1G225	5	Prismatic blade	Medial	Final-stage blade; fractured at proximal end; snap fracture on distal end of dorsal surface	LPC*	B
PRV03-1000a	1	1G225	2	Prismatic blade	Medial	Broken on both ends; partial snap fracture on proximal end of dorsal surface	LPC*	B
PRV03-1000c	1	1G225	2	Prismatic blade	Medial	Small snap fracture on proximal end of ventral surface	LPC*	B
PRV03-1000d	1	1G225	2	Prismatic blade	Medial	Partial snap fracture on proximal end of ventral surface	LPC*	B
PRV03-1000i	1	1G225	2	Prismatic blade	Medial	Snap tabs on both ends of dorsal surface	LPC*	B
PRV03-1000j	1	1G225	2	Prismatic blade	Medial	Broken on both ends; snap fracture on proximal end of dorsal surface	LPC*	B
PRV03-1000k	1	1G225	2	Prismatic blade	Medial	Distal end retouched to form a scraper; snap tab on proximal end of dorsal surface	LPC*	B
PRV03-1502a	1	1G225	4	Prismatic blade	Medial	Broken on both ends	LPC*	B
PRV03-1507b	1	1G225	5	Prismatic blade	Proximal	Final-stage blade; platform slightly scored; partial snap tab on distal end of ventral surface	LPC*	B
PRV03-1000b	1	1G225	2	Prismatic blade	Proximal	Ground platform; overhang removal; snap fracture on distal end of dorsal surface	LPC*	B
PRV03-1000e	1	1G225	2	Prismatic blade	Proximal	Ground platform; overhang removal; distal end broken; large pressure bulb below platform	LPC*	B

Table A.23 cont.

FS#	Op.	Unit	Lot	Artifact Category	Blade Segment	Notes	Dating Notes	Area
PRV03-1000h	1	1G225	2	Prismatic blade	Proximal	Ground platform - very small; snap tab on distal end of ventral surface	LPC*	B
PRV03-0981a	1	1G225	1	Prismatic blade	Distal	Final-stage blade; distal tip intact; slight outré passé curve	LPC-Mod.	B
PRV03-0981b	1	1G225	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of ventral surface	LPC-Mod.	B
PRV03-0981c	1	1G225	1	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of ventral surface	LPC-Mod.	B
PRV03-1317b	1	0G224	1	Prismatic blade	Medial	Final-stage blade	LPC-Mod.	B
PRV03-1317c	1	0G224	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	LPC-Mod.	B
PRV03-1317a	1	0G224	1	Prismatic blade	Proximal	Final-stage blade; platform scored	LPC-Mod.	B
PRV03-0163a	2	6O51	5	Prismatic blade	Medial	Final-stage blade; partial snap fracture on distal end of dorsal surface	LTF	
PRV03-0556a	1	1G222	3	Prismatic blade	Medial	Final-stage blade	LTF	B
PRV03-0557a	1	1G223	3	Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of ventral surface	LTF	B
PRV03-0718a	1	0I227	3	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface; partial snap fracture on distal end of ventral surface	LTF	C
PRV03-1335a	1	9H228	3	Prismatic blade	Medial	Final-stage blade	LTF	C
PRV03-1366a	1	9H228	4	Prismatic blade	Medial	Final-stage blade; small snap fractures of proximal and distal ends of ventral surface	LTF	C
PRV03-0070b	1	0G222	2	Prismatic blade	Medial	Both ends fractured	LTF	B
PRV03-0070a	1	0G222	2	Prismatic blade	Proximal	Crushed platform; some overhang removal; distal end fractured	LTF	B
PRV03-0328a	1	0G217	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on distal end of dorsal surface	Mixed LTF, LPC, mod.	B

Table A.23 cont.

FS#	Op.	Unit	Lot	Artifact Category	Blade Segment	Notes	Dating Notes	Area
PRV03-0328b	1	0G217	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	Mixed LTF, LPC, mod.	B
PRV03-0328c	1	0G217	1	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface	Mixed LTF, LPC, mod.	B
PRV03-0345a	1	1G219	1	Prismatic blade	Medial	Final-stage blade; small snap fracture on proximal end of dorsal surface	Mixed LTF, LPC, mod.	B
PRV03-0390a	1	1G216	1	Prismatic blade	Medial	Final-stage blade; fractured on distal end	Mixed LTF, LPC, mod.	B
PRV03-0390b	1	1G216	1	Prismatic blade	Medial	Final-stage blade	Mixed LTF, LPC, mod.	B
PRV03-0390c	1	1G216	1	Prismatic blade	Medial	Final-stage blade	Mixed LTF, LPC, mod.	B
PRV03-0390d	1	1G216	1	Prismatic blade	Proximal	Final-stage blade; ground platform	Mixed LTF, LPC, mod.	B
PRV03-1360a	1	0G224	2	Prismatic blade	Medial	Final-stage blade; partial snap fracture on proximal end of dorsal surface; snap fracture on distal end of dorsal surface	Mixed TF and LPC	B
PRV03-1360b	1	0G224	2	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of ventral surface	Mixed TF and LPC	B
PRV03-0209a	1	1G217	3	Prismatic blade	Proximal	Final-stage blade; ground platform; partial snap tab on distal end of dorsal surface	Mixed TF and LPC	B
PRV03-0050a	1	8F218	1	Prismatic blade	Medial	Final-stage blade; fractured on proximal end; flake removed from distal end	Mod.	B
PRV03-0192a	1	1I223	1	Prismatic blade	Medial	Final-stage blade; probably near distal end	Mod.	C
PRV03-0192b	1	1I223	1	Prismatic blade	Medial	Final-stage blade; small snap fracture on distal end of dorsal surface	Mod.	C
PRV03-0192c	1	1I223	1	Prismatic blade	Medial	Final-stage blade	Mod.	C
PRV03-0552a	1	0I226	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface; snap tab on distal end of ventral surface	Mod.	C

Table A.23 cont.

FS#	Op.	Unit	Lot	Artifact Category	Blade Segment	Notes	Dating Notes	Area
PRV03-0552b	1	0I226	1	Prismatic blade	Medial	Final-stage blade	Mod.	C
PRV03-0574a	1	9H226	1	Prismatic blade	Medial	Final-stage blade	Mod.	C
PRV03-0679a	1	1I229	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on distal end of dorsal surface	Mod.	C
PRV03-0679b	1	1I229	1	Prismatic blade	Medial	Final-stage blade	Mod.	C
PRV03-0703a	1	5I229	1	Prismatic blade	Medial	Final-stage blade	Mod.	C
PRV03-1156a	1	1H227	1	Prismatic blade	Medial	Final-stage blade	Mod.	C
PRV03-1156b	1	1H227	1	Prismatic blade	Medial	Final-stage blade	Mod.	C
PRV03-1719a	1	1G222	1	Prismatic blade	Medial	Final-stage blade; fractured on both proximal and distal ends	Mod.	B
PRV03-0503a	1	0I225	1	Prismatic blade	Proximal	Final-stage blade; platform not ground or scored; dorsal edge of platform slightly crushed or ground; partial snap tab on distal end of ventral surface	Mod.	C
PRV03-0614a	5	A	1	Prismatic blade	Medial	Final-stage blade	TF	
PRV03-1748a	1	8F218	2	Prismatic blade	Proximal	Final-stage blade; platform slightly scored; partial snap tab on distal end of ventral surface	TF	B
PRV03-0148b	2	MU2	1	Prismatic blade	Medial	Final-stage blade; fractured on proximal end		
PRV03-0148a	2	MU2	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on distal end of ventral surface		
PRV03-0264b	1	0264	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on distal end of dorsal surface		
PRV03-0264c	1	0264	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on distal end of dorsal surface		

Table A.23 cont.

FS#	Op.	Unit	Lot	Artifact Category	Blade Segment	Notes	Dating Notes	Area
PRV03-0264d	1	0264	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface		
PRV03-1172a	1	9H225	3	Prismatic blade	Medial	Final-stage blade		C
PRV03-1633	1	9H229	5	Prismatic blade	Medial	Broken on both ends		C
PRV03-0158	2	MU4	1	Prismatic blade	Medial	Both ends broken		
PRV03-0151a	2	MU3	1	Prismatic blade	Proximal	Final-stage blade; small portion of platform; partial snap fracture on distal end of dorsal surface		
PRV03-0264a	1	0264	1	Prismatic blade	Proximal	Final-stage blade; ground platform		
PRV03-1247a	1	3I227	2	Prismatic blade	Proximal	Final-stage blade; platform slightly scored; dorsal edge of platform crushed or ground		C

Table A.24 PRV03(YG) artifact measurements

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
PRV03-0086a	1	Green	26.79	31.01	6.62	5.06	
PRV03-0176a	1	Gray	17.34	7.99	7.00	0.73	
PRV03-0406b	1	Gray	18.44	13.37	7.40	1.26	
PRV03-0981d	1	Gray	17.53	11.50	6.88	1.66	
PRV03-0728	1	Gray	21.77	14.77	7.26	2.17	
PRV03-0592	1	Gray	12.36	6.71	5.13	0.41	
PRV03-0345b	1	Gray	13.98	10.81	5.49	0.63	
PRV03-0692a	1	Gray	18.38	15.08	6.50	1.35	
PRV03-0960	1	Gray	25.52	17.38	2.62	1.07	
PRV03-1801	1	Gray	14.23	13.24	2.08	0.34	
PRV03-0837b	1	Green	55.90	31.81	12.72	12.87	
PRV03-1502c	1	Gray	19.53	16.46	3.92	1.20	
PRV03-1000l	1	Green	5.69	22.77	11.48	1.65	
PRV03-1000m	1	Green	13.92	15.06	5.10	0.69	
PRV03-1000o	1	Green	20.02	13.13	2.42	0.65	
PRV03-0512a	1	Gray	25.18	16.78	4.09	1.30	
PRV03-1282	1	Gray	17.17	13.95	2.16	0.41	
PRV03-1720	1	Gray	13.03	7.22	1.53	0.16	
PRV03-1335b	1	Green	13.35	10.65	2.31	0.22	
PRV03-0140a	1	Gray	15.51	11.58	3.88	0.67	
PRV03-0868a	1	Gray	20.65	13.61	2.86	0.62	
PRV03-1738a	1	Gray	17.01	19.07	1.65	0.76	
PRV03-0328d	1	Green	30.65	15.97	3.52	1.42	
PRV03-0230a	1	Gray	12.19	6.95	2.92	0.18	
PRV03-0253a	1	Green	14.87	11.01	2.51	0.40	
PRV03-0433e	1	Green	12.33	18.56	3.42	0.42	
PRV03-1000n	1	Gray	8.66	12.78	3.12	0.36	
PRV03-1502b	1	Green	10.72	5.84	2.24	0.15	
PRV03-0711a	1	Gray	10.58	15.46	2.61	0.27	
PRV03-0421a	1	Gray	16.07	18.30	4.95	1.42	
PRV03-0670a	1	Gray	14.62	11.51	4.05	0.60	
PRV03-0447	1	Gray	11.25	8.27	1.91	0.17	
PRV03-0130a	1	Gray	15.11	6.87	2.97	0.32	
PRV03-0140b	1	Gray	15.03	9.50	4.84	0.67	
PRV03-0390e	1	Green	11.19	7.36	3.00	0.23	
PRV03-1156c	1	Clear	7.76	7.22	2.02	0.10	
PRV03-0552c	1	Gray	12.01	13.84	3.20	0.38	
PRV03-0703b	1	Gray	16.17	11.88	3.28	0.65	
PRV03-0463	1	Gray	14.79	10.12	4.32	0.58	
			Avg	Avg	Avg		
			16.47	13.36	3.67		
PRV03-0180a	1	Green	26.92	15.57	4.13	1.47	3.66258503
PRV03-0864a	1	Green	49.23	16.47	5.41	4.91	2.00529532
PRV03-0941	1	Black	14.69	9.92	2.31	0.48	6.12083333

Table A.24 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
PRV03-0168b	1	Green	23.38	12.50	2.65	1.00	4.676
PRV03-0233a	1	Green	17.38	8.58	1.68	0.30	11.5866667
PRV03-0303a	1	Green	24.35	9.82	1.96	0.59	8.25423729
PRV03-0303b	1	Green	14.82	9.45	2.46	0.41	7.22926829
PRV03-0309a	1	Green	27.66	15.25	2.74	1.35	4.09777778
PRV03-0406a	1	Green	18.54	11.16	2.88	0.71	5.22253521
PRV03-0429a	1	Green	17.25	8.99	1.87	0.39	8.84615385
PRV03-0433b	1	Green	25.98	15.23	3.53	1.29	4.02790698
PRV03-0433c	1	Green	21.67	12.08	3.09	0.86	5.03953488
PRV03-0433d	1	Green	15.74	7.71	2.56	0.30	10.4933333
PRV03-0832c	1	Green	18.10	8.81	1.87	0.41	8.82926829
PRV03-0837a	1	Green	3.89	9.82	3.12	0.11	7.07272727
PRV03-0846a	1	Green	50.36	12.00	3.88	2.52	3.9968254
PRV03-0944a	1	Green	14.39	14.68	2.22	0.46	6.25652174
PRV03-0953a	1	Green	20.05	10.06	3.45	0.73	5.49315068
PRV03-0168a	1	Green	25.12	11.06	2.89	0.80	6.28
PRV03-0223a	1	Green	16.60	8.02	2.90	0.42	7.9047619
PRV03-0433a	1	Green	44.17	12.68	3.05	2.01	4.39502488
PRV03-0832a	1	Green	36.88	11.48	4.02	2.03	3.63349754
PRV03-0832b	1	Green	20.34	9.98	2.63	0.66	6.16363636
PRV03-0846b	1	Green	9.75	10.75	2.64	0.30	6.5
PRV03-0862a	2	Green	35.55	15.45	4.85	3.42	2.07894737
PRV03-1000f	1	Green	21.35	12.25	2.68	1.05	4.06666667
PRV03-1000g	1	Green	31.80	7.66	2.49	0.72	8.83333333
PRV03-1507a	1	Green	29.08	12.10	2.56	0.98	5.93469388
PRV03-1507c	1	Green	14.20	9.30	2.33	0.37	7.67567568
PRV03-1000a	1	Green	29.24	8.50	1.58	0.56	10.4428571
PRV03-1000c	1	Green	27.89	11.68	2.19	0.97	5.75051546
PRV03-1000d	1	Green	15.28	9.01	2.06	0.32	9.55
PRV03-1000i	1	Green	18.08	7.83	2.03	0.32	11.3
PRV03-1000j	1	Green	16.03	11.45	2.65	0.65	4.93230769
PRV03-1000k	1	Green	32.08	11.03	2.39	1.19	5.39159664
PRV03-1502a	1	Green	21.37	8.76	2.98	0.62	6.89354839
PRV03-1507b	1	Green	16.95	9.73	2.64	0.45	7.53333333
PRV03-1000b	1	Green	30.73	11.02	2.39	1.10	5.58727273
PRV03-1000e	1	Green	39.47	8.94	3.75	1.47	5.37006803
PRV03-1000h	1	Green	14.13	10.35	2.15	0.36	7.85
PRV03-0981a	1	Green	50.32	11.08	4.76	2.11	4.76966825
PRV03-0981b	1	Green	15.94	9.08	1.93	0.40	7.97
PRV03-0981c	1	Green	14.72	10.86	4.08	0.56	5.25714286
PRV03-1317b	1	Green	17.97	11.81	4.04	0.91	3.94945055
PRV03-1317c	1	Green	12.20	9.60	2.63	0.41	5.95121951
PRV03-1317a	2	Green	27.91	10.81	2.33	0.96	5.81458333
PRV03-0163a	1	Green	23.99	10.71	3.14	1.03	4.65825243
PRV03-0556a	1	Green	12.09	8.51	1.77	0.24	10.075
PRV03-0557a	1	Green	18.52	9.13	1.52	0.34	10.8941176
PRV03-0718a	1	Green	26.83	12.25	2.75	1.09	4.92293578

Table A.24 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
PRV03-1335a	1	Green	16.05	7.25	1.42	0.23	13.9565217
PRV03-1366a	1	Green	13.94	8.97	2.57	0.42	6.63809524
PRV03-0070b	1	Green	15.16	6.44	1.83	0.23	13.1826087
PRV03-0070a	1	Green	32.21	8.78	2.03	0.64	10.065625
PRV03-0328a	1	Green	19.99	12.79	3.15	1.02	3.91960784
PRV03-0328b	1	Green	15.56	11.11	2.86	0.56	5.55714286
PRV03-0328c	1	Green	10.05	10.57	2.30	0.30	6.7
PRV03-0345a	1	Green	9.15	13.49	2.90	0.42	4.35714286
PRV03-0390a	1	Green	19.84	10.87	2.98	0.71	5.58873239
PRV03-0390b	1	Green	18.64	10.17	2.90	0.61	6.11147541
PRV03-0390c	1	Green	9.31	13.92	2.72	0.39	4.77435897
PRV03-0390d	1	Green	10.10	7.92	2.90	0.26	7.76923077
PRV03-1360a	1	Green	34.68	9.06	2.06	0.76	9.12631579
PRV03-1360b	1	Green	22.39	6.33	2.00	0.33	13.569697
PRV03-0209a	1	Green	16.23	11.68	2.31	0.52	6.24230769
PRV03-0050a	1	Green	14.92	8.33	1.68	0.21	14.2095238
PRV03-0192a	1	Green	15.87	6.95	2.02	0.23	13.8
PRV03-0192b	1	Green	12.78	8.11	2.52	0.27	9.46666667
PRV03-0192c	1	Green	13.19	9.77	1.68	0.28	9.42142857
PRV03-0552a	1	Green	17.01	8.25	2.78	0.37	9.19459459
PRV03-0552b	1	Green	10.15	8.53	2.09	0.20	10.15
PRV03-0574a	1	Green	7.25	9.06	2.14	0.20	7.25
PRV03-0679a	1	Green	17.21	9.66	1.45	0.34	10.1235294
PRV03-0679b	1	Green	9.99	6.26	2.03	0.17	11.7529412
PRV03-0703a	1	Green	18.56	13.47	2.82	0.88	4.21818182
PRV03-1156a	1	Green	7.99	6.60	1.75	0.08	19.975
PRV03-1156b	1	Green	6.52	6.47	1.71	0.07	18.6285714
PRV03-1719a	1	Green	12.91	13.50	3.71	0.70	3.68857143
PRV03-0503a	1	Green	11.61	10.81	3.18	0.38	6.11052632
PRV03-0614a	1	Green	16.04	14.60	3.48	0.95	3.37684211
PRV03-1748a	1	Green	27.38	11.05	2.37	0.91	6.01758242
PRV03-0148b	1	Gray	11.13	10.00	2.96	0.34	6.54705882
PRV03-0148a	1	Green	38.62	9.97	2.10	1.16	6.65862069
PRV03-0264b	1	Green	19.02	8.43	1.78	0.39	9.75384615
PRV03-0264c	1	Green	15.60	13.07	2.64	0.69	4.52173913
PRV03-0264d	1	Green	12.01	8.29	2.35	0.27	8.8962963
PRV03-1172a	1	Green	13.08	10.18	2.93	0.49	5.33877551
PRV03-1633	1	Green	9.49	9.23	1.94	0.21	9.03809524
PRV03-0158	1	Green	35.44	10.13	2.74	1.13	6.27256637
PRV03-0151a	1	Green	26.16	11.67	1.89	0.82	6.3804878
PRV03-0264a	1	Green	26.72	8.21	2.45	0.67	7.9761194
PRV03-1247a	1	Green	24.34	10.81	3.58	1.14	4.27017544
TOTALS:	133		Avg 20.49	Avg 10.34	Avg 2.63	Sum 112.26	Avg 7.30257969
						s.d. =	3.27425754

Table A.25 Tututepec (MNL) sourced artifacts

FS#	Residence	Artifact Category	Blade Segment	Notes	Dating notes
MNL-022	TAP05A	Chunk		No distinctive characteristics; minimal flake scarring; one surface may have been slightly ground, though it may also be a product of movement in the ground/trampling/etc.	LPC*
MNL-018	TAP05A	Core		Very small fragment of a core; back side of fragment is fractured/flaked; 5 facets on dorsal surface; top and bottom highly flaked	LPC*
MNL-060	TAP05B	Flake		Platform (partially crushed); intact bulb of percussion; distal end fractured; probably percussion blade	LPC*
MNL-024	TAP05A	Flake fragment		No platform; partial bulb of percussion; one part of distal end broken, the other part terminates in a hinge fracture; relatively flat dorsal surface; from bifacial manufacture	LPC*
MNL-025	TAP05A	Flake fragment		No platform; partial bulb of percussion; terminates in hinge fracture; from bifacial manufacture	LPC*
MNL-035	TAP05A	Flake fragment		Very thin flake; partial ridge on dorsal surface; thinning flake?; no platform; partial bulb of percussion; terminates in small hinge fracture	LPC*
MNL-083	TAP05A	Flake fragment		No platform; partial bulb of percussion; fractured distal end; some cortex on dorsal surface	LPC*
MNL-088	TAP05A	Flake fragment		No platform; partial bulb of percussion; distal end broken; bifacial thinning flake or macroflake	LPC*
MNL-037	TAP05A	Flake fragment		No platform; partial bulb of percussion; fractured distal end	LPC*
MNL-099	TAP05A	Flake fragment		No platform; partial bulb of percussion; large, flat facet on dorsal surface	LPC*
MNL-059	TAP05B	Flake fragment		No platform; partial bulb of percussion; several flake scars on dorsal surface; distal end fractured	LPC*
MNL-064	TAP05B	Flake fragment		No platform; partial bulb of percussion; distal end broken	LPC*
MNL-082	TAP05A	Flake fragment		No platform; partial bulb of percussion; large hinge fracture scar on dorsal surface; multiple flake scars on both surfaces	LPC*
MNL-092	TAP05A	Prismatic blade	Distal	Complete distal end - several small facets from end of core; partial snap tab on proximal end of ventral surface	LPC*
MNL-094	TAP05A	Prismatic blade	Distal	Very near distal end; becomes thinner and flattens out; distal tip broken off	LPC*

Table A.25 cont.

FS#	Residence	Artifact Category	Blade Segment	Notes	Dating notes
MNL-095	TAP05A	Prismatic blade	Distal	Very near distal end; becomes thinner and flattens out; distal tip broken off	LPC*
MNL-034	TAP05A	Prismatic blade	Distal	Possibly near final blade of a near exhausted core; slight inward curve; hinge fractures on proximal and distal end of dorsal surface; partially trapezoidal in cross section, but goes back to triangular at distal end; a lot of microflaking along lateral margins	LPC*
MNL-085	TAP05A	Prismatic blade	Distal	Distal end flaked to form a scraper; inward curving; snap tab on proximal end of dorsal surface	LPC*
MNL-044	TAP05B	Prismatic blade	Distal	Distal tip of blade; very end broken off	LPC*
MNL-087	TAP05A	Prismatic blade	Distal	Near distal end, though very tip of blade broken off; moderate outré passé curving; proximal end fractured	LPC*
MNL-020	TAP05A	Prismatic blade	Distal	Distal end flaked; inward curving; microflaking on distal end gives appearance that blade was used as a scraper	LPC*
MNL-008	TAP05A	Prismatic blade	Distal	Single facet on distal end; inward curving; possible microflaking at distal end indicating this blade was used as a scraper	LPC*
MNL-010	TAP05A	Prismatic blade	Medial	Relatively flat; arrises are very near the lateral margins	LPC*
MNL-029	TAP05A	Prismatic blade	Medial	Partial snap fracture on proximal end of dorsal surface	LPC*
MNL-033	TAP05A	Prismatic blade	Medial	Snap tab on proximal end of dorsal surface; hinge fracture scar on distal end of dorsal surface	LPC*
MNL-067	TAP05B	Prismatic blade	Medial	Snap fracture and partial hinge fracture on proximal end of dorsal surface; distal end fractured	LPC*
MNL-027	TAP05A	Prismatic blade	Medial	Possible crested blade: irregular margins, percussion ripples on ventral surface; missing platform	LPC*
MNL-013	TAP05A	Prismatic blade	Medial	Snap fracture on proximal end of ventral surface; distal end broken	LPC*
MNL-014	TAP05A	Prismatic blade	Medial	Partial snap tab on proximal end of dorsal surface; snap fracture on distal end of dorsal surface	LPC*
MNL-015	TAP05A	Prismatic blade	Medial	Snap fracture on proximal end of ventral surface; distal end broken	LPC*
MNL-019	TAP05A	Prismatic blade	Medial	Large medial fragment; singular flake scar on proximal end, primarily on ventral surface; distal end becomes much flatter (2.38mm); highly flaked along lateral margins	LPC*

Table A.25 cont.

FS#	Residence	Artifact Category	Blade Segment	Notes	Dating notes
MNL-043	TAP05B	Prismatic blade	Medial	Small snap fracture on proximal end of dorsal surface	LPC*
MNL-051	TAP05B	Prismatic blade	Medial	Very thin; probably near distal end; very small snap fracture on distal end of ventral surface	LPC*
MNL-053	TAP05B	Prismatic blade	Medial	Small snap fractures on proximal and distal ends of dorsal surface	LPC*
MNL-055	TAP05B	Prismatic blade	Medial	Fractured on both ends	LPC*
MNL-078	TAP05A	Prismatic blade	Medial	Fractured on both ends; right lateral margin fractured off	LPC*
MNL-090	TAP05A	Prismatic blade	Medial	Proximal end may have been retouched - microflaking; small, partial snap tab on distal end of ventral surface	LPC*
MNL-096	TAP05A	Prismatic blade	Medial	Both ends broken; partial snap tab on proximal end of ventral surface	LPC*
MNL-042	TAP05B	Prismatic blade	Medial	Very slight inward curving; fractured on both ends	LPC*
MNL-052	TAP05B	Prismatic blade	Medial	Fractured on both ends	LPC*
MNL-036	TAP05A	Prismatic blade	Medial	Slight inward curve; fractured on distal end; small snap fracture on proximal end of dorsal surface	LPC*
MNL-077	TAP05A	Prismatic blade	Medial	Left lateral margin fractured off	LPC*
MNL-038	TAP05A	Prismatic blade	Medial	Snap tab on proximal end of dorsal surface; distal end fractured	LPC*
MNL-040	TAP05A	Prismatic blade	Medial	Partial snap tab on distal end of dorsal surface	LPC*
MNL-041	TAP05B	Prismatic blade	Medial	Fractured on both ends	LPC*
MNL-049	TAP05B	Prismatic blade	Medial	Proximal end fractured; small snap fracture on distal end of ventral surface	LPC*
MNL-056	TAP05B	Prismatic blade	Medial	Snap fractures on both ends of dorsal surface	LPC*
MNL-057	TAP05B	Prismatic blade	Medial	Snap fracture on distal end of dorsal surface	LPC*
MNL-063	TAP05B	Prismatic blade	Medial	Fractured on both ends	LPC*
MNL-069	TAP05B	Prismatic blade	Medial	Partial snap tab on proximal end of dorsal surface; snap fracture on distal end of dorsal surface	LPC*
MNL-071	TAP05A	Prismatic blade	Medial	Fractured on both ends	LPC*
MNL-075	TAP05A	Prismatic blade	Medial	Fractured on both ends; left lateral margin gone	LPC*
MNL-076	TAP05A	Prismatic blade	Medial	Distal end fractured; right lateral margin gone	LPC*

Table A.25 cont.

FS#	Residence	Artifact Category	Blade Segment	Notes	Dating notes
MNL-079	TAP05A	Prismatic blade	Medial	Distal end fracture; proximal end may be near platform of blade - doesn't appear to be fractured, but platform is not present	LPC*
MNL-080	TAP05A	Prismatic blade	Medial	Small snap fractures on both ends of dorsal surface	LPC*
MNL-084	TAP05A	Prismatic blade	Medial	Proximal end fractured; partial snap fracture on distal end of dorsal surface	LPC*
MNL-050	TAP05B	Prismatic blade	Medial	Snap fracture on proximal end of dorsal surface; distal end fractured	LPC*
MNL-058	TAP05B	Prismatic blade	Medial	Large snap fracture on proximal end of dorsal surface; distal end fractured	LPC*
MNL-066	TAP05B	Prismatic blade	Medial	Small snap fracture on proximal end of dorsal surface	LPC*
MNL-070	TAP05B	Prismatic blade	Medial	Snap tab on proximal end of dorsal surface; partial snap tab on distal end of dorsal surface	LPC*
MNL-009	TAP05A	Prismatic blade	Medial	Partial snap tab on proximal end of ventral surface; snap fracture on distal end of dorsal surface	LPC*
MNL-017	TAP05A	Prismatic blade	Medial	Snap fractures on proximal end of dorsal surface and distal end of ventral surface	LPC*
MNL-003	TAP05A	Prismatic blade	Medial	Very slight snap fracture on ventral surface of distal end and dorsal surface of proximal end	LPC*
MNL-005	TAP05A	Prismatic blade	Medial	Right lateral margin highly flakes, forming a D-shaped margin; left margin relatively untouched except for several microflakes	LPC*
MNL-006	TAP05A	Prismatic blade	Medial	Broken proximal end; probable snap or hinge fracture on distal end	LPC*
MNL-031	TAP05A	Prismatic blade	Medial	Left lateral margin fractured off	LPC*
MNL-007	TAP05A	Prismatic blade	Medial	Small snap tab on proximal end of dorsal surface	LPC*
MNL-074	TAP05A	Prismatic blade	Medial	Fracture on proximal end; snap fracture on distal end of dorsal surface	LPC*
MNL-086	TAP05A	Prismatic blade	Medial	Snap tab on proximal end of dorsal surface; snap fracture on distal end of dorsal surface; slight inward curving	LPC*
MNL-098	TAP05A	Prismatic blade	Medial	Small, partial snap tab on distal end of ventral surface	LPC*
MNL-016	TAP05A	Prismatic blade	Proximal	Ground platform; small snap fracture on distal end of dorsal surface	LPC*
MNL-021	TAP05A	Prismatic blade	Proximal	Ground platform; very minimal or no overhang removal; slight inward curving	LPC*
MNL-026	TAP05A	Prismatic blade	Proximal	Heavily ground platform; overhang removal; fractured on distal end	LPC*
MNL-032	TAP05A	Prismatic blade	Proximal	Ground platform; overhang removal; snap tab on distal end of dorsal surface	LPC*

Table A.25 cont.

FS#	Residence	Artifact Category	Blade Segment	Notes	Dating notes
MNL-047	TAP05B	Prismatic blade	Proximal	Ground platform; minimal overhang removal; partial snap tab on distal end of ventral surface	LPC*
MNL-068	TAP05B	Prismatic blade	Proximal	Ground platform; overhang removal	LPC*
MNL-091	TAP05A	Prismatic blade	Proximal	Ground platform; overhang removal; distal end broken	LPC*
MNL-093	TAP05A	Prismatic blade	Proximal	Ground platform; overhang removal; much of left lateral margin broken off w/ large internal crack extending near proximal end	LPC*
MNL-097	TAP05A	Prismatic blade	Proximal	Platform broken off; overhang removal; distal end fractured	LPC*
MNL-002	TAP05A	Prismatic blade	Proximal	Ground platform; minimal overhang removal; snap fracture on distal end; cross section turning to trapezoidal by distal end; slight curve to blade	LPC*
MNL-028	TAP05A	Prismatic blade	Proximal	Ground platform; some overhang removal terminating in hinge fracture	LPC*
MNL-023	TAP05A	Prismatic blade	Proximal	Finely ground platform; some overhang removal; partial snap tab on dorsal surface of distal end	LPC*
MNL-045	TAP05B	Prismatic blade	Proximal	Finely ground platform; some overhang removal; distal end fractured	LPC*
MNL-089	TAP05A	Prismatic blade	Proximal	Ground platform; overhang removal; very small snap fracture on distal end of ventral surface	LPC*
MNL-039	TAP05A	Prismatic blade	Proximal	Ground platform; minimal overhang removal; partial snap fracture on distal end of dorsal surface	LPC*
MNL-046	TAP05B	Prismatic blade	Proximal	Finely ground platform; overhang removal; snap fracture of distal end of dorsal surface	LPC*
MNL-048	TAP05B	Prismatic blade	Proximal	Ground platform; no overhang removal; distal end fractured	LPC*
MNL-054	TAP05B	Prismatic blade	Proximal	Ground platform; some overhang removal; small snap fracture on distal end of dorsal surface	LPC*
MNL-062	TAP05B	Prismatic blade	Proximal	Platform crushed; no overhang removal; distal end fractured; probably percussion blade	LPC*
MNL-073	TAP05A	Prismatic blade	Proximal	Ground platform; small amount of overhang removal; distal end fractured	LPC*
MNL-072	TAP05A	Prismatic blade	Proximal	Ground platform; overhang removal - accidentally removed much of the left dorsal surface of the blade, including the arrises; partial snap tab on distal end of dorsal surface	LPC*
MNL-081	TAP05A	Prismatic blade	Proximal	Finely ground platform; overhang removal; snap fracture on distal end of ventral surface	LPC*

Table A.25 cont.

FS#	Residence	Artifact Category	Blade Segment	Notes	Dating notes
MNL-001	TAP05A	Prismatic blade	Proximal	Finely ground platform; overhang removal; two small hinge fractures, one on each lateral margin; slight curve to blade; small snap fracture on distal end	LPC*
MNL-004	TAP05A	Prismatic blade	Proximal	Ground platform; overhang removal - several parallel flakes removed terminating in hinge fractures; large bulb behind proximal end; highly used/modified along lateral margins; cross section turns to triangular by distal end	LPC*
MNL-030	TAP05A	Prismatic blade	Proximal	Finely ground platform; no overhang removal	LPC*
MNL-061	TAP05B	Prismatic blade	Proximal	Ground platform; overhang removal; slight inward curve; snap fracture on distal end of ventral surface	LPC*
MNL-012	TAP05A	Prismatic blade	Proximal	Platform nearly completely broken off; small amount of ground platform remains; lots of overhang removal, terminating in hinge/step fractures; broken distal end	LPC*
MNL-011	TAP05A	Prismatic blade	Proximal	Finely ground platform; overhang removal, a few flakes terminating in hinge fractures; very edge may be slightly shattered/crushed; distal end broken at an angle	LPC*
MNL-065	TAP05B	Prismatic blade	Proximal	Ground platform; very minimal overhang removal	LPC*

Table A.26 MNL sourced artifact measurements

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
MNL-022	1	Gray	15.94	8.26	7.26	1.06	
MNL-018	1	Gray	7.58	14.73	8.34	0.87	
MNL-060	1	Gray	21.64	33.36	7.99	5.73	
MNL-024	1	Clear	25.78	31.72	5.08	2.78	
MNL-025	1	Clear	28.28	20.49	2.89	1.43	
MNL-035	1	Clear	25.47	14.71	1.91	0.72	
MNL-083	1	Clear	21.33	18.92	3.31	1.47	
MNL-088	1	Clear	17.58	22.11	3.03	1.16	
MNL-037	1	Gray	20.12	21.25	6.50	1.94	
MNL-099	1	Gray	27.53	11.56	3.66	1.29	
MNL-059	1	Gray	20.76	14.33	5.03	1.52	
MNL-064	1	Gray	23.25	14.25	1.91	0.53	
MNL-082	1	Gray	24.31	16.00	6.87	2.71	
			Avg	Avg	Avg		
			23.28	19.88	4.38		
MNL-092	1	Clear	31.09	10.62	2.83	0.96	6.47708333
MNL-094	1	Clear	18.14	8.57	2.12	0.36	10.0777778
MNL-095	1	Clear	22.95	10.29	1.82	0.48	9.5625
MNL-034	1	Gray	45.74	13.29	5.25	3.17	2.88580442
MNL-085	1	Gray	43.40	16.03	4.74	4.68	1.85470085
MNL-044	1	Gray	12.59	7.93	2.04	0.17	14.8117647
MNL-087	1	Gray	36.28	16.07	3.24	2.59	2.8015444
MNL-020	1	Gray	31.11	15.08	4.94	2.92	2.13082192
MNL-008	1	Green	25.82	12.95	3.47	1.58	3.26835443
MNL-010	1	Clear	9.81	13.54	2.34	0.47	4.17446809
MNL-029	1	Clear	17.40	8.96	2.84	0.53	6.56603774
MNL-033	1	Clear	18.17	9.12	3.19	0.69	5.26666667
MNL-067	1	Clear	29.89	18.67	5.36	3.38	1.76863905
MNL-027	1	Clear	23.67	10.38	3.17	0.72	6.575
MNL-013	1	Clear	20.70	14.29	3.94	1.73	2.39306358
MNL-014	1	Clear	18.97	10.10	2.68	0.50	7.588
MNL-015	1	Clear	32.04	14.58	3.67	1.91	3.35497382
MNL-019	1	Clear	61.04	16.03	4.16	4.20	2.90666667
MNL-043	1	Clear	14.70	10.33	3.30	0.73	4.02739726
MNL-051	1	Clear	24.45	11.06	2.70	0.72	6.79166667
MNL-053	1	Clear	11.83	9.66	2.60	0.36	6.57222222
MNL-055	1	Clear	19.29	14.18	3.79	1.14	3.38421053
MNL-078	1	Clear	13.97	11.58	3.66	0.58	4.81724138
MNL-090	1	Clear	25.39	12.55	2.85	0.90	5.64222222
MNL-096	1	Clear	17.60	13.31	4.10	0.94	3.74468085
MNL-042	1	Gray	19.60	13.49	3.83	1.40	2.8
MNL-052	1	Gray	16.45	14.69	4.66	1.36	2.41911765
MNL-036	1	Gray	42.52	13.66	4.22	3.15	2.69968254
MNL-077	1	Gray	18.36	11.13	4.61	0.92	3.99130435
MNL-038	1	Gray	25.67	12.68	4.51	1.62	3.1691358

Table A.26 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
MNL-040	1	Gray	25.30	7.27	2.19	0.44	11.5
MNL-041	1	Gray	17.89	9.98	2.70	0.54	6.62592593
MNL-049	1	Gray	33.90	9.44	3.79	1.22	5.55737705
MNL-056	1	Gray	16.17	13.64	3.51	1.10	2.94
MNL-057	1	Gray	20.37	6.11	1.97	0.33	12.3454545
MNL-063	1	Gray	12.63	9.99	2.77	0.47	5.37446809
MNL-069	1	Gray	16.32	11.65	3.51	0.81	4.02962963
MNL-071	1	Gray	27.18	7.15	1.78	0.52	10.4538462
MNL-075	1	Gray	12.82	9.39	1.95	0.24	10.6833333
MNL-076	1	Gray	7.47	9.15	1.91	0.18	8.3
MNL-079	1	Gray	14.20	10.76	2.96	0.51	5.56862745
MNL-080	1	Gray	22.86	10.90	2.59	1.01	4.52673267
MNL-084	1	Gray	11.44	12.23	3.33	0.63	3.63174603
MNL-050	1	Gray	29.59	14.66	4.83	2.53	2.33913043
MNL-058	1	Gray	32.65	14.79	4.64	2.45	2.66530612
MNL-066	1	Gray	23.37	10.77	2.63	0.75	6.232
MNL-070	1	Gray	23.23	10.68	2.79	0.89	5.22022472
MNL-009	1	Gray	26.56	9.61	2.95	0.72	7.37777778
MNL-017	1	Gray	10.11	11.57	3.10	0.37	5.46486486
MNL-003	1	Gray	10.82	11.93	4.20	0.71	3.04788732
MNL-005	1	Gray	26.50	12.89	3.17	1.17	4.52991453
MNL-006	1	Gray	17.39	14.52	5.18	1.47	2.36598639
MNL-031	1	Gray	10.86	12.79	4.37	0.64	3.39375
MNL-007	1	Green	20.92	10.46	2.62	0.56	7.47142857
MNL-074	1	Green	13.12	12.44	2.17	0.44	5.96363636
MNL-086	1	Green	22.98	7.75	2.20	0.45	10.2133333
MNL-098	1	Green	27.40	8.37	2.05	0.63	8.6984127
MNL-016	1	Clear	14.31	8.52	2.52	0.40	7.155
MNL-021	1	Clear	47.35	8.11	2.94	1.31	7.22900763
MNL-026	1	Clear	35.82	14.92	3.29	2.40	2.985
MNL-032	1	Clear	33.28	9.71	3.02	1.12	5.94285714
MNL-047	1	Clear	25.40	11.82	3.08	1.29	3.9379845
MNL-068	1	Clear	23.05	10.81	3.21	0.89	5.17977528
MNL-091	1	Clear	29.76	11.24	2.69	1.00	5.952
MNL-093	1	Clear	30.66	12.81	3.82	1.54	3.98181818
MNL-097	1	Clear	15.20	13.43	3.78	0.89	3.41573034
MNL-002	1	Clear	33.49	10.47	3.13	1.15	5.82434783
MNL-028	1	Clear	30.49	15.38	3.07	1.92	3.17604167
MNL-023	1	Clear	26.36	12.89	3.35	1.45	3.63586207
MNL-045	1	Gray	27.97	15.37	4.45	2.43	2.30205761
MNL-089	1	Gray	17.61	11.99	4.20	1.09	3.23119266
MNL-039	1	Gray	36.16	15.62	3.62	2.89	2.50242215
MNL-046	1	Gray	24.85	12.26	3.44	1.17	4.24786325
MNL-048	1	Gray	14.81	10.36	2.93	0.55	5.38545455
MNL-054	1	Gray	33.52	12.58	3.64	1.73	3.87514451
MNL-062	1	Gray	20.73	11.96	3.73	0.93	4.45806452
MNL-073	1	Gray	13.90	12.47	4.17	0.83	3.34939759

Table A.26 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
MNL-072	1	Gray	37.82	19.11	4.80	3.03	2.49636964
MNL-081	1	Gray	21.21	9.06	2.69	0.66	6.42727273
MNL-001	1	Gray	30.29	7.86	2.37	0.68	8.90882353
MNL-004	1	Gray	30.09	12.88	3.03	1.25	4.8144
MNL-030	1	Gray	15.85	12.34	3.35	0.90	3.52222222
MNL-061	1	Gray	46.89	13.98	3.31	2.74	3.42262774
MNL-012	1	Gray	24.25	11.93	4.49	1.49	3.25503356
MNL-011	1	Green	31.47	15.36	4.48	2.79	2.25591398
MNL-065	1	Green	22.84	11.75	3.28	0.98	4.66122449
TOTALS:	99		Avg 24.16	Avg 11.89	Avg 3.35	Sum 131.35	Avg 5.09970293
						s.d. =	2.63834202

Table A.27 Cerro de la Virgen (PRV03) artifacts

FS#	Op.	Unit	Lot	Artifact Category	Blade Segment	Notes	Dating notes
PRV03-6042b	1	4C68	1	Chunk		No distinctive platform; flake scars over entire surface of artifact	NA
PRV03-6363b	1	4D78	2	Chunk		No distinctive platform; triangular in cross section; all sides have flake scars	NA
PRV03-6338a	1	4C66	2	Chunk		No distinctive platform; flake scars over entire surface	LTF
PRV03-6056b	1	5C67	1	Chunk		No distinctive platform; flake scars over entire surface; one flat facet on ventral surface	NA
PRV03-6056c	1	5C67	1	Chunk		No distinctive platform; flake scars over entire surface	NA
PRV03-6582a	1	8D73	1	Chunk		No distinctive platform; flake scars over entire surface; possible core fragment	NA
PRV03-6384	1	4D79	2	Flake		Very small platform, partially crushed; bulb intact; partial hinge/feather termination	NA
PRV03-6097	1	2C70	1	Flake		Possible core rejuvenation flake; platform surface is long and flat; distal end if also a long, flat facet; flake scars along dorsal surface right below platform	NA
PRV03-6042a	1	4C68	1	Flake		Platform intact; bulb present; feather termination; dorsal surface a single, flat facet	NA
PRV03-6176	1	5D81	1	Flake		Crushed platform; bulb intact; hinge termination	NA
PRV03-6393	1	4D82	3	Flake		Small, partially crushed platform; bulb intact; hinge termination	LTF
PRV03-6436	1	8C80	5	Flake		Broken platform; bulb intact; feather termination	NA
PRV03-6526	1	5D83	2	Flake		Crushed platform; bulb intact; feather termination	NA
PRV03-6050b	1	5C66	1	Flake		Percussion flake; platform crushed, nearly gone; probable thinning flake	LTF

Table A.27 cont.

FS#	Op.	Unit	Lot	Artifact Category	Blade Segment	Notes	Dating notes
PRV03-6081b	2	B	1	Flake		Percussion flake; platform intact	NA
PRV03-6137c	1	4C75	1	Flake		Percussion flake; small platform; probably preparation or rejuvenation flake	NA
PRV03-6263a	1	0E 80	1	Flake		Percussion flake; partial platform	NA
PRV03-6463a	1	9C80	3	Flake		Percussion flake; platform intact; distal end is a wide, single facet	LTF
PRV03-6556a	1	4C65	1	Flake		Percussion flake; large platform; possible thinning or preparation flake	NA
PRV03-6590a	1	8C77	3	Flake		Percussion flake; platform crushed	LTF
PRV03-6571	1	3C69	1	Flake		Possible core rejuvenation flake; platform and bulb intact; feather termination; small facets along both margins	NA
PRV03-6167b	1	2E 76	1	Flake		Percussion flake; platform partially crushed; probably thinning flake	NA
PRV03-6369	1	0D81	3	Flake fragment		No platform; partial bulb; hinge termination	NA
PRV03-6593b	1	6C66	1	Flake fragment		No platform or noticeable bulb	LTF
PRV03-6144	1	9D76	1	Flake fragment		No platform; partial bulb; feather termination	NA
PRV03-6380	1	9C80	2	Flake fragment		No platform; partial bulb; hinge termination	LTF
PRV03-6580	1	MU1	1	Flake fragment		Possible macroblade or early stage blade; arris on dorsal surface; single, smooth facet on ventral surface; no platform; both ends fractured	NA
PRV03-6272a	1	9D78	2	Flake fragment		No platform; partial bulb	NA
PRV03-6048b	1	6D75	1	Flake fragment		Percussion flake; no platform; partial bulb	NA
PRV03-6056a	1	5C67	1	Flake fragment		No platform or noticeable bulb	NA

Table A.27 cont.

FS#	Op.	Unit	Lot	Artifact Category	Blade Segment	Notes	Dating notes
PRV03-6068a	1	6C67	1	Flake fragment		Percussion flake; no platform; partial bulb	NA
PRV03-6092a	1	3C70	1	Flake fragment		No platform or noticeable bulb	NA
PRV03-6092b	1	3C70	1	Flake fragment		No platform or noticeable bulb	NA
PRV03-6124a	2	D	4	Flake fragment		Percussion flake; platform not present; bulb present	NA
PRV03-6229b	1	2C75	1	Flake fragment		Percussion flake; no platform	NA
PRV03-6239a	1	2D84	1	Flake fragment		Percussion flake; no platform	NA
PRV03-6305a	1	6D72	1	Flake fragment		Percussion flake; no platform; partial bulb	NA
PRV03-6458a	1	9C80	3	Flake fragment		Percussion flake; no platform; small amount (<15%) of cortex on dorsal surface	LTF
PRV03-6575a	1	3C65	2	Flake fragment		Percussion flake; no platform	NA
PRV03-6596a	1	8C80	1	Flake fragment		Percussion flake; broken platform	LTF
PRV03-6048a	1	6D75	1	Prismatic blade	Distal	Final-stage blade; very distal end; single facet at tip	NA
PRV03-6070a	2	A	1	Prismatic blade	Medial	Final-stage blade; right lateral margin fractured off; many flake scars or crushing on proximal end	NA
PRV03-6081a	2	B	1	Prismatic blade	Medial	Final-stage blade (?); flake scars on dorsal and ventral surfaces; larger than average	NA
PRV03-6003a	1	0D72	2	Prismatic blade	Medial	Final-stage blade; partial snap fracture on distal end of ventral surface	LTF
PRV03-6035a	1	6D77	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface; partial snap fracture on distal end of ventral surface	NA

Table A.27 cont.

FS#	Op.	Unit	Lot	Artifact Category	Blade Segment	Notes	Dating notes
PRV03-6070b	2	A	1	Prismatic blade	Medial	Final-stage blade	NA
PRV03-6120a	2	D	3	Prismatic blade	Medial	Final-stage blade; fractures on proximal and distal ends	NA
PRV03-6128a	1	1E 78	1	Prismatic blade	Medial	Final-stage blade	NA
PRV03-6137a	1	4C75	1	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	NA
PRV03-6137b	1	4C75	1	Prismatic blade	Medial	Final-stage blade; fractured on proximal and distal ends	NA
PRV03-6150a	2	F	1	Prismatic blade	Medial	Final-stage blade	NA
PRV03-6153a	1	0E 77	1	Prismatic blade	Medial	Final-stage blade; snap fractures on proximal end of ventral surface and distal end of dorsal surface	NA
PRV03-6167a	1	2E 76	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of ventral surface	NA
PRV03-6229a	1	2C75	1	Prismatic blade	Medial	Final-stage blade; fractured length-wise down middle of blade	NA
PRV03-6255a	1	1E 79	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on distal end of ventral surface	NA
PRV03-6255b	1	1E 79	1	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of ventral surface	NA
PRV03-6255c	1	1E 79	1	Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of ventral surface	NA
PRV03-6259a	1	1E 79	2	Prismatic blade	Medial	Final-stage blade; partial snap fracture on distal end of ventral surface	NA
PRV03-6359a	1	0D80	2	Prismatic blade	Medial	Final-stage blade	NA
PRV03-6399a	1	8C79	2	Prismatic blade	Medial	Final-stage blade; snap fracture on proximal end of dorsal surface	NA
PRV03-6413a	1	7C80	3	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of ventral surface	NA

Table A.27 cont.

FS#	Op.	Unit	Lot	Artifact Category	Blade Segment	Notes	Dating notes
PRV03-6419a	1	8C80	3	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	LTF
PRV03-6427a	1	1D82	2	Prismatic blade	Medial	Final-stage blade; partial snap fracture on proximal end of ventral surface	NA
PRV03-6429a	1	6C66	2	Prismatic blade	Medial	Final-stage blade; partial snap tab on distal end of dorsal surface	LTF
PRV03-6429b	1	6C66	2	Prismatic blade	Medial	Final-stage blade; small snap tab on distal end of ventral surface	LTF
PRV03-6434a	1	3C66	1	Prismatic blade	Medial	Final-stage blade; snap fracture on distal end of dorsal surface	LTF
PRV03-6589a	1	3C73	3	Prismatic blade	Medial	Final-stage blade; small snap fractures on proximal and distal ends of dorsal surface	NA
PRV03-6592a	1	0C73	1	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of dorsal surface	NA
PRV03-6593a	1	6C66	1	Prismatic blade	Medial	Final-stage blade	LTF
PRV03-6363a	1	4D78	2	Prismatic blade	Medial	Broken on both ends	NA
PRV03-6442	1	8C80	6	Prismatic blade	Proximal	Platform not ground; minimal overhang removal; asymmetrical arrises (1st or 2nd-stage blade?); partial snap tab on distal end of dorsal surface	LTF
PRV03-5046a	4	9T57	2	Prismatic blade	Proximal	Final-stage blade; ground platform; partial snap tab on distal end of dorsal surface	NA
PRV03-6050a	1	5C66	1	Prismatic blade	Proximal	Final-stage blade; small platform, not ground of scored; probable overhang removal	LTF
PRV03-6128b	1	1E 78	1	Prismatic blade	Proximal	Final-stage blade; small platform - slightly scored	NA
PRV03-6153b	1	0E 77	1	Prismatic blade	Proximal	Final-stage blade; platform slightly scored	NA
PRV03-6399b	1	8C79	2	Prismatic blade	Proximal	Final-stage blade; platform slightly scored; small snap fracture on distal end of dorsal surface	NA

Table A.27 cont.

FS#	Op.	Unit	Lot	Artifact Category	Blade Segment	Notes	Dating notes
PRV03-6498a	1	2C73	2	Prismatic blade	Proximal	Final-stage blade; platform slightly scored; snap tab on distal end of dorsal surface	NA
PRV03-6512a	1	3C72	1	Prismatic blade	Proximal	Final-stage blade; platform not ground or scored; overhang removal; snap tab on distal end of dorsal surface	NA
PRV03-6425	1	8C80	4	Projectile point		Probably a prismatic blade fragment retouched to form a projectile point (though it's pretty thick); only the distal end - proximal end fractured; slight corner notching, but very minimally; snap tab on distal end of ventral surface	LTF

Table A.28 PRV03(VR) artifact measurements

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
PRV03-6042b	1	Gray	17.25	8.00	4.77	0.66	
PRV03-6363b	1	Gray	26.17	6.59	5.52	0.82	
PRV03-6338a	1	Gray	22.88	13.32	6.82	1.63	
PRV03-6056b	1	Green	24.13	16.87	11.11	3.54	
PRV03-6056c	1	Green	14.93	11.69	5.27	0.60	
PRV03-6582a	1	Green	26.28	22.24	13.82	5.82	
PRV03-6384	1	Black	17.07	11.22	3.65	0.51	
PRV03-6097	1	Gray	7.27	35.54	6.97	2.51	
PRV03-6042a	1	Gray	14.03	14.79	3.35	0.53	
PRV03-6176	1	Gray	11.11	13.83	1.85	0.30	
PRV03-6393	1	Gray	12.18	11.67	2.75	0.41	
PRV03-6436	1	Gray	15.82	12.07	2.82	0.59	
PRV03-6526	1	Gray	17.05	8.99	2.28	0.30	
PRV03-6050b	1	Green	19.13	14.62	5.08	1.43	
PRV03-6081b	1	Green	19.71	22.95	4.98	1.61	
PRV03-6137c	1	Green	20.17	18.65	3.81	1.49	
PRV03-6263a	1	Green	18.31	16.07	2.82	0.76	
PRV03-6463a	1	Green	12.27	17.56	2.23	0.60	
PRV03-6556a	1	Green	16.99	23.25	2.53	1.16	
PRV03-6590a	1	Green	19.89	18.11	3.10	0.94	
PRV03-6571	1	Green	18.23	19.35	3.49	1.20	
PRV03-6167b	1	Green	19.30	24.05	3.14	1.28	
PRV03-6369	1	Gray	18.50	16.87	3.03	0.98	
PRV03-6593b	1	Gray	19.18	18.03	6.65	1.89	
PRV03-6144	1	Gray	16.94	13.71	2.77	0.42	
PRV03-6380	1	Gray	12.06	16.16	2.84	0.34	
PRV03-6580	1	Gray	17.01	16.67	3.21	1.01	
PRV03-6272a	1	Gray	8.70	14.39	1.98	0.19	
PRV03-6048b	1	Green	16.87	11.73	3.17	0.41	
PRV03-6056a	1	Green	17.01	12.43	4.26	0.69	
PRV03-6068a	1	Green	9.95	14.99	3.18	0.43	
PRV03-6092a	1	Green	9.24	7.26	2.50	0.16	
PRV03-6092b	1	Green	11.04	8.58	1.70	0.25	
PRV03-6124a	1	Green	13.88	17.10	3.89	0.88	
PRV03-6229b	1	Green	15.51	15.29	2.84	0.50	
PRV03-6239a	1	Green	22.50	17.68	3.36	1.19	
PRV03-6305a	1	Green	18.02	11.04	3.73	0.67	
PRV03-6458a	1	Green	17.24	18.69	4.95	1.23	
PRV03-6575a	1	Green	14.10	21.41	4.22	0.86	
PRV03-6596a	1	Green	16.05	22.44	3.78	0.89	
			Avg	Avg	Avg		
			15.66	16.39	3.44		
PRV03-6048a	1	Green	16.48	15.24	4.27	0.88	3.74545455
PRV03-6070a	1	Gray	26.04	15.68	4.77	2.12	2.45660377
PRV03-6081a	1	Gray	19.26	20.18	5.73	1.90	2.02736842

Table A.28 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
PRV03-6003a	1	Green	10.52	7.57	1.83	0.19	11.0736842
PRV03-6035a	1	Green	22.34	12.13	2.90	1.04	4.29615385
PRV03-6070b	1	Green	13.25	16.50	2.71	0.60	4.41666667
PRV03-6120a	1	Green	20.45	10.43	3.38	0.92	4.44565217
PRV03-6128a	1	Green	21.56	16.59	2.06	0.99	4.35555556
PRV03-6137a	1	Green	18.75	12.87	2.86	0.84	4.46428571
PRV03-6137b	1	Green	11.67	15.24	2.68	0.48	4.8625
PRV03-6150a	1	Green	20.21	9.12	3.66	0.73	5.5369863
PRV03-6153a	1	Green	22.18	18.01	3.32	1.69	2.62485207
PRV03-6167a	1	Green	17.75	11.15	2.18	0.45	7.88888889
PRV03-6229a	1	Green	7.03	6.85	2.12	0.13	10.8153846
PRV03-6255a	1	Green	30.33	14.08	2.94	1.69	3.58934911
PRV03-6255b	1	Green	24.96	11.48	2.91	0.99	5.04242424
PRV03-6255c	1	Green	14.12	11.72	3.05	0.60	4.70666667
PRV03-6259a	1	Green	20.47	12.04	2.52	0.82	4.99268293
PRV03-6359a	1	Green	13.38	8.87	1.72	0.26	10.2923077
PRV03-6399a	1	Green	39.73	14.30	2.95	2.52	3.1531746
PRV03-6413a	1	Green	9.09	10.53	2.02	0.27	6.73333333
PRV03-6419a	1	Green	19.86	14.25	2.49	0.92	4.3173913
PRV03-6427a	1	Green	19.82	14.54	4.40	1.55	2.55741935
PRV03-6429a	1	Green	28.89	8.31	1.91	0.64	9.028125
PRV03-6429b	1	Green	23.29	10.58	2.90	0.83	5.61204819
PRV03-6434a	2	Green	41.84	11.34	3.53	2.08	4.02307692
PRV03-6589a	1	Green	22.17	11.00	3.39	1.10	4.03090909
PRV03-6592a	1	Green	28.44	12.17	2.13	1.01	5.63168317
PRV03-6593a	1	Green	16.98	12.04	3.01	0.63	5.39047619
PRV03-6363a	1	Green	21.13	7.66	1.96	0.43	9.82790698
PRV03-6442	1	Gray	26.70	14.97	3.25	1.59	3.35849057
PRV03-5046a	1	Green	19.52	12.53	3.26	0.94	4.15319149
PRV03-6050a	1	Green	44.92	14.69	3.01	2.47	3.63724696
PRV03-6128b	1	Green	16.66	13.43	3.40	0.86	3.8744186
PRV03-6153b	1	Green	21.99	11.49	2.47	0.84	5.23571429
PRV03-6399b	1	Green	33.36	15.13	3.62	1.93	3.45699482
PRV03-6498a	1	Green	30.56	12.69	2.62	1.17	5.22393162
PRV03-6512a	1	Green	31.82	13.77	3.02	1.65	3.8569697
PRV03-6425	1	Gray	12.24	15.04	3.70	0.90	2.72
TOTALS:	80		Avg 22.30	Avg 12.66	Avg 2.97	Sum 83.33	Avg 5.12463078
						s.d. =	2.31769625

Table A.29 Corozo 2000 (CO0) artifacts

FS#	Op.	Unit	Lot	Artifact Category	Blade Segment	Notes
CO0-003b	A		4	Chunk		One flat facet; flake scarring on opposite side
CO0-005c	A		9	Chunk		
CO0-005b	A		9	Flake		Pressure flake, possible thinning flake; small platform
CO0-008b	A	1	10	Flake		Possible distal rejuvenation flake; several flake ridges/arrises converging at distal end of flake; flake scars on ventral surface as well
CO0-012a	D		16	Flake		Percussion flake; crushed platform; bulb on ventral surface; several flake scars on dorsal and ventral surfaces
CO0-003c	A		4	Flake		One large platform; may have been removed to get rid of a hinge fracture - on dorsal side; bulb on ventral side toward distal end
CO0-013b	D		18	Flake		Percussion blade/Hinge-removal flake; non-ground platform - possibly scored though
CO0-001g	A		1	Flake fragment		Scarring on both dorsal and ventral surfaces; no platform or bulb
CO0-008c	A	1	10	Flake fragment		
CO0-007a	A	1	2	Prismatic blade	Distal	Final-stage blade; large flake scar off proximal end of ventral side; hinge fracture at distal end
CO0-002a	A		3	Prismatic blade	Distal	Final-stage blade; outré passé curve; single facet on distal tip - bipolar core?; snap tab at proximal end
CO0-004a	A		6	Prismatic blade	Distal	Very thin fragment, almost like a flake; has arris across dorsal surface and one parallel lateral edge; opposite edge has flake scars
CO0-009a	D		9	Prismatic blade	Distal	Final-stage blade; outré passé curve; single facet at distal end; angled end
CO0-009b	D		9	Prismatic blade	Distal	Final-stage blade; outré passé curve; single facet at distal end; angled end
CO0-005a	A		9	Prismatic blade	Medial	Final-stage blade
CO0-002f	A		3	Prismatic blade	Medial	Final-stage blade
CO0-002g	A		3	Prismatic blade	Medial	Final-stage blade
CO0-006a	A	1	1	Prismatic blade	Medial	Final-stage blade
CO0-006b	A	1	1	Prismatic blade	Medial	Final-stage blade; pressure flake scar on dorsal arrises

Table A.29 cont.

FS#	Op.	Unit	Lot	Artifact Category	Blade Segment	Notes
COO-014b	D		20	Prismatic blade	Medial	Final-stage blade
COO-001a	A		1	Prismatic blade	Medial	Final-stage blade
COO-001d	A		1	Prismatic blade	Medial	Final-stage blade
COO-001f	A		1	Prismatic blade	Medial	Final-stage blade
COO-002c	A		3	Prismatic blade	Medial	Final-stage blade
COO-002e	A		3	Prismatic blade	Medial	Final-stage blade; snap flake scar at proximal end; snap tab at distal end
COO-006c	A	1	1	Prismatic blade	Medial	Final-stage blade; very small fragment
COO-008a	A	1	10	Prismatic blade	Medial	Final-stage blade
COO-014a	D		20	Prismatic blade	Medial	Final-stage blade; sliver of center of blade, fractured length-wise entire length
COO-014d	D		20	Prismatic blade	Medial	Final-stage blade
COO-014f	D		20	Prismatic blade	Medial	Final-stage blade; snap tab at proximal end
COO-001e	A		1	Prismatic blade	Medial	Final-stage blade
COO-002b	A		3	Prismatic blade	Medial	Final-stage blade; small snap tab at proximal end
COO-002d	A		3	Prismatic blade	Medial	Final-stage blade; snap tab at proximal end
COO-003a	A		4	Prismatic blade	Medial	Final-stage blade
COO-009c	D		9	Prismatic blade	Medial	Final-stage blade
COO-010a	D		14	Prismatic blade	Medial	Final-stage blade
COO-015a	D		7	Prismatic blade	Medial	Final-stage blade; retouched on ventral surface to form an awl/punch type of tool
COO-011a	D		15	Prismatic blade	Medial	Final-stage blade
COO-014c	D		20	Prismatic blade	Medial	Final-stage blade
COO-014e	D		20	Prismatic blade	Medial	Final-stage blade; snap tab at proximal end
COO-001b	A		1	Prismatic blade	Proximal	Final-stage blade; ground platform
COO-001c	A		1	Prismatic blade	Proximal	Final-stage blade; ground platform

Table A.29 cont.

FS#	Op.	Unit	Lot	Artifact Category	Blade Segment	Notes
CO0-013a	D		18	Prismatic blade	Proximal	Final-stage blade; ground platform; minimal overhang removal
CO0-015b	D		7	Prismatic blade	Proximal	Final-stage blade; platform slightly scored

Table A.30 COO artifact measurements

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
CO0-003b	1	Gray	12.99	7.01	5.14	0.38	
CO0-005c	1	Green	8.70	7.02	3.11	0.13	
CO0-005b	1	Clear	11.51	7.54	0.48	0.08	
CO0-008b	1	Gray	14.91	12.55	4.08	0.58	
CO0-012a	1	Gray	14.48	9.83	3.64	0.38	
CO0-003c	1	Gray	16.69	20.15	5.27	1.04	
CO0-013b	1	Gray	20.60	9.99	2.41	0.40	
CO0-001g	1	Gray	10.35	9.91	3.17	0.30	
CO0-008c	1	Gray	11.41	5.87	1.04	0.05	
			Avg 14.28	Avg 10.83	Avg 2.87		
CO0-007a	1	Black	23.03	16.11	4.05	1.62	2.84320988
CO0-002a	1	Gray	25.22	7.93	2.09	0.41	12.302439
CO0-004a	1	Gray	17.34	11.67	1.58	0.34	10.2
CO0-009a	1	Gray	43.21	11.80	2.49	1.76	4.91022727
CO0-009b	1	Gray	26.14	10.95	2.10	0.79	6.61772152
CO0-005a	1	Clear	9.93	8.53	1.63	0.20	9.93
CO0-002f	1	Gray	11.17	7.90	1.98	0.22	10.1545455
CO0-002g	1	Gray	9.90	7.51	1.83	0.20	9.9
CO0-006a	1	Gray	12.25	8.61	2.20	0.28	8.75
CO0-006b	1	Gray	7.96	9.83	2.34	0.20	7.96
CO0-014b	1	Gray	14.58	10.35	2.17	0.43	6.78139535
CO0-001a	1	Gray	19.89	14.75	3.72	1.20	3.315
CO0-001d	1	Gray	13.03	6.51	2.53	0.23	11.3304348
CO0-001f	1	Gray	6.99	10.85	2.83	0.23	6.07826087
CO0-002c	1	Gray	19.19	7.46	1.95	0.29	13.2344828
CO0-002e	1	Gray	12.95	10.18	2.18	0.38	6.81578947
CO0-006c	1	Gray	3.16	5.59	1.94	0.03	21.0666667
CO0-008a	1	Gray	13.58	7.67	1.97	0.29	9.36551724
CO0-014a	1	Gray	22.16	4.75	2.77	0.22	20.1454545
CO0-014d	1	Gray	13.36	13.30	3.73	0.42	6.36190476
CO0-014f	1	Gray	11.98	8.25	2.90	0.27	8.87407407
CO0-001e	1	Gray	10.33	8.06	2.17	0.19	10.8736842
CO0-002b	1	Gray	19.56	9.71	2.13	0.56	6.98571429

Table A.30 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
CO0-002d	1	Gray	14.93	6.39	1.58	0.19	15.7157895
CO0-003a	1	Gray	15.25	8.22	1.91	0.29	10.5172414
CO0-009c	1	Gray	13.26	8.25	1.96	0.31	8.55483871
CO0-010a	1	Gray	22.64	10.10	2.73	0.83	5.45542169
CO0-015a	1	Gray	28.56	6.71	1.99	0.35	16.32
CO0-011a	1	Green	16.30	9.16	1.82	0.34	9.58823529
CO0-014c	1	Green	13.44	7.87	2.28	0.32	8.4
CO0-014e	1	Green	12.45	7.78	1.81	0.18	13.83333333
CO0-001b	1	Gray	17.80	7.65	2.13	0.37	9.62162162
CO0-001c	1	Gray	15.05	15.65	4.23	0.73	4.12328767
CO0-013a	1	Gray	24.63	9.35	2.31	0.66	7.46363636
CO0-015b	1	Green	15.48	11.31	2.26	0.47	6.58723404
TOTALS:	44		Avg 16.48	Avg 9.33	Avg 2.35	Sum 19.14	Avg 9.45649034 s.d. = 4.19415411

Table A.31 Cerro de la Cruz 1988 (CC88) artifacts

FS#	Op.	Lot	Artifact Category	Notes	Dating notes
CC88-003a		174-180/183 cm	Chunk	No platform; flake scars on ventral and dorsal surfaces; from Flotation sample 16	LF*
CC88-007b			Flake	Pressure flake; small platform and bulb; from Flotation sample 44	LF*
CC88-004a		247 cm	Flake fragment	From Flotation sample 17	LF*
CC88-004b		247 cm	Flake fragment	Partial bulb; from Flotation sample 17	LF*
CC88-005a		279 cm	Flake fragment	Percussion flake; scarring on both sides; from Flotation sample 21	LF*
CC88-006a		251 cm	Flake fragment	From Flotation sample 22	LF*
CC88-008b			Flake fragment	Percussion flake; from Flotation sample 57	LF*
CC88-008c			Flake fragment	Percussion flake; from Flotation sample 57	LF*
CC88-008d			Flake fragment	From Flotation sample 57	LF*
CC88-001b	D	6; 47 cm	Flake fragment	No platform; partial bulb; from Flotation sample 14	LF*
CC88-002a			Flake fragment	From Flotation sample 15	LF*
CC88-002b			Flake fragment	From Flotation sample 15	LF*
CC88-007a			Flake fragment	From Flotation sample 44	
CC88-008a			Flake fragment	Percussion flake; from Flotation sample 57	LF*
CC88-008e			Flake fragment	From Flotation sample 57	LF*
CC88-001a	D	6; 47 cm	Flake fragment	Percussion flake; no platform; partial bulb; from Flotation sample 14	LF*

Table A.32 CC88 artifact measurements

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)
CC88-003a	1	Gray	16.56	14.50	4.53	1.07
CC88-007b	1	Gray	4.70	4.65	0.49	<.01
CC88-004a	1	Black	5.97	5.34	1.13	0.05
CC88-004b	1	Gray	3.79	5.02	0.95	<.01
CC88-005a	1	Gray	16.94	11.71	3.89	0.74
CC88-006a	1	Gray	3.56	3.11	1.69	0.02
CC88-008b	1	Gray	16.57	8.15	2.96	0.33
CC88-008c	1	Gray	10.01	8.56	2.55	0.19
CC88-008d	1	Gray	9.09	3.76	1.84	0.07
CC88-001b	1	Gray	9.61	6.60	1.85	0.12
CC88-002a	1	Gray	10.08	3.92	2.26	0.06
CC88-002b	1	Gray	7.16	5.31	2.63	0.05
CC88-007a	1	Gray	6.86	5.56	1.15	0.04
CC88-008a	1	Gray	12.76	12.47	3.90	0.43
CC88-008e	1	Gray	8.63	5.27	1.39	0.07
CC88-001a	1	Gray	17.20	8.93	2.93	0.46
TOTALS:	16		Avg 9.53	Avg 6.56	Avg 2.11	Sum 3.70

Table A.33 Cerro del Chivo 2000 (CV0) artifacts

FS#	Op.	Unit	Lot	Artifact Category	Blade Segment	Notes	Dating notes
CV0-002a	C		5	Prismatic blade	Distal	Final-stage blade; flaking on entire distal end	EC-EPC
CV0-006a	C		10	Prismatic blade	Distal	Final-stage blade; becomes very thin at distal end; tip broken off	EC
CV0-006b	C		10	Prismatic blade	Medial	Final-stage blade; flake scars on lateral edge	EC
CV0-001a	A		6	Prismatic blade	Medial	Final-stage blade	
CV0-004a	C		11	Prismatic blade	Medial	Final-stage blade	EC
CV0-006c	C		10	Prismatic blade	Medial	Final-stage blade; snap tabs at both proximal and distal ends on dorsal surface	EC
CV0-003a	C		10	Prismatic blade	Medial	Final-stage blade; hinge fracture on dorsal surface - proximal removal blade (Clark and Bryant 1997:116); snap tab at proximal end	EC
CV0-003b	C		10	Prismatic blade	Medial	Final-stage blade; snap fractures on proximal end of dorsal surface and distal end of ventral surface	EC
CV0-005a	C		15	Prismatic blade	Medial	Final-stage blade; snap tab at proximal end	EC*

Table A.34 CV0 artifact measurements

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
CV0-002a	1	Gray	24.92	12.95	3.06	0.92	5.4173913
CV0-006a	1	Gray	34.40	12.61	1.57	0.75	9.17333333
CV0-006b	1	Gray	16.98	10.44	2.95	0.54	6.28888889
CV0-001a	1	Gray	17.93	9.84	1.69	0.45	7.96888889
CV0-004a	1	Gray	15.54	11.80	1.67	0.47	6.61276596
CV0-006c	1	Gray	13.24	8.44	1.89	0.24	11.03333333
CV0-003a	1	Gray	30.55	9.92	2.87	1.20	5.09166667
CV0-003b	1	Gray	28.15	11.14	2.44	1.01	5.57425743
CV0-005a	1	Green	16.71	9.47	2.00	0.41	8.15121951
TOTALS:	9		Avg 22.05	Avg 10.73	Avg 2.24	Sum 5.99	Avg 7.25686059
						s.d. =	1.98419281

Table A.35 Barra Quebrada 1986 (RV2) artifacts

FS#	Op.	Unit	Lot	Artifact Category	Blade Segment	Notes	Dating notes
RV2-004b	B		15; 3.4-3.6 m	Chunk			LTF
RV2-003a	B		14; 3-3.4 m	Flake fragment		Percussion flake; partial bulb, no platform	LTF?
RV2-004a	B		15; 3.4-3.6 m	Flake fragment		Percussion flake; scarring on dorsal and ventral surfaces; partial bulb, no platform	LTF
RV2-005a	B	Ent. 4		Prismatic blade	Medial	Final-stage blade; snap tab on proximal end of dorsal surface; small snap fracture on distal end of dorsal surface; found in soil w/in Obj. 1	
RV2-001a	B		11; 2.5-2.7m	Prismatic blade	Proximal	Final-stage blade; platform minimally ground; one small overhang flake removed	
RV2-002a	B		12; 2.7-2.85 m	Prismatic blade	Proximal	Final-stage blade; ground platform; long pressure flake removed from dorsal arrise - possibly due to overhang removal via pressure flaking	

Table A.36 RV2 artifact measurements

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV2-004b	1	Gray	7.68	6.51	3.39	0.15	
RV2-003a	1	Gray	14.21	8.81	2.96	0.27	
RV2-004a	1	Gray	14.40	8.87	2.75	0.34	
			Avg 14.31	Avg 8.84	Avg 2.86		
RV2-005a	1	Green	13.30	9.52	2.28	0.32	8.3125
RV2-001a	1	Green	32.68	10.82	2.33	1.01	6.47128713
RV2-002a	1	Green	19.92	13.72	2.38	0.86	4.63255814
TOTALS:	6		Avg 21.97	Avg 11.35	Avg 2.33	Sum 2.95	Avg 6.47211509 s.d. = 1.83997107

Table A.37 Campo Montealegre 2000 (CM0) artifacts

FS#	Op.	Unit	Lot	Artifact Category	Blade Segment	Notes
CM0-001a	A		3	Prismatic blade	Proximal	Final-stage blade; scored platform
CM0-002a	B	S3	1	Prismatic blade	Proximal	Final-stage blade; snap tab on distal end; scored platform

Table A.38 CM0 artifact measurements

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
CM0-001a	1	Gray	13.29	11.14	2.25	0.42	6.32857143
CM0-002a	1	Gray	22.80	11.68	2.50	0.72	6.33333333
			Avg 18.05	Avg 11.41	Avg 2.38	Sum 1.14	Avg 6.33095238 s.d. = 0.00336718
TOTALS:	2						

Table A.39 Lower Río Verde Valley 1994-1995 Survey (RVSP, RVS) artifacts

FS#	Lot	Artifact Category	Blade Segment	Notes
RVS-RV76-001a	Surface	Flake fragment		No platform; large bulb on ventral surface; smooth dorsal surface
RVSP- RV120/121-001e	Surface	Prismatic blade	Distal	Final-stage blade; slight outré passé curving; microflaked distal end
RVS-RV31-001a	Surface	Prismatic blade	Medial	Final-stage blade
RVS-RV31-001b	Surface	Prismatic blade	Medial	Final-stage blade
RVS-RV31-001f	Surface	Prismatic blade	Medial	Final-stage blade
RVSP- RV115-001b	Surface	Prismatic blade	Medial	Final-stage blade
RVSP- RV115-001c	Surface	Prismatic blade	Medial	Final-stage blade
RVSP- RV115-001d	Surface	Prismatic blade	Medial	Final-stage blade; probably near distal end - arrises converge from 2 to 1
RVSP- RV115-001e	Surface	Prismatic blade	Medial	Final-stage blade
RVSP- RV115-001f	Surface	Prismatic blade	Medial	Wedge-shaped fragment of final-stage blade
RVSP- RV115-001g	Surface	Prismatic blade	Medial	Final-stage blade; one lateral edge flaked off from proximal end
RVSP- RV115-001h	Surface	Prismatic blade	Medial	Final-stage blade
RVSP- RV116-001a	Surface	Prismatic blade	Medial	Final-stage blade
RVSP- RV116-001c	Surface	Prismatic blade	Medial	Final-stage blade; possibly retouched at distal end to form scraper
RVSP- RV116-001e	Surface	Prismatic blade	Medial	Final-stage blade; flake scarring on ventral surface
RVSP- RV119-001a	Surface	Prismatic blade	Medial	Final-stage blade
RVSP- RV119-001b	Surface	Prismatic blade	Medial	Final-stage blade; snapping fractures at proximal and distal ends; pressure flake on dorsal arrises
RVSP- RV120/121-001b	Surface	Prismatic blade	Medial	Final-stage blade
RVSP- RV120/121-001d	Surface	Prismatic blade	Medial	Final-stage blade
RVSP- RV120/121-001f	Surface	Prismatic blade	Medial	Final-stage blade

Table A.39 cont.

FS#	Lot	Artifact Category	Blade Segment	Notes
RVSPP-RV120/121-001g	Surface	Prismatic blade	Medial	Final-stage blade - extremely small! Huge core utilization
RVSPP-RV120/121-001h	Surface	Prismatic blade	Medial	Final-stage blade
RVSPP-RV120/121-001i	Surface	Prismatic blade	Medial	Final-stage blade
RVSPP-RV120/121-001j	Surface	Prismatic blade	Medial	Final-stage blade
RVSPP-RV120-001a	Surface	Prismatic blade	Medial	Final-stage blade
RVSPP-RV120-001b	Surface	Prismatic blade	Medial	Final-stage blade
RVSPP-RV120-001c	Surface	Prismatic blade	Medial	Final-stage blade; one lateral edge fractured off
RVS-RV20-001a	Surface	Prismatic blade	Medial	Final-stage blade; snap scar on distal end of dorsal surface
RVS-RV31-001d	Surface	Prismatic blade	Medial	Final-stage blade
RVS-RV31-001e	Surface	Prismatic blade	Medial	Final-stage blade
RVS-RV31-001g	Surface	Prismatic blade	Medial	Final-stage blade
RVS-RV31-001h	Surface	Prismatic blade	Medial	Final-stage blade
RVS-RV31-001i	Surface	Prismatic blade	Medial	Final-stage blade
RVS-RV31-001j	Surface	Prismatic blade	Medial	Final-stage blade
RVSPP-RV115-001a	Surface	Prismatic blade	Proximal	Final-stage blade; ground platform; snapped at distal end
RVSPP-RV116-001b	Surface	Prismatic blade	Proximal	Final-stage blade; ground platform; snapped at distal end
RVSPP-RV116-001d	Surface	Prismatic blade	Proximal	Final-stage blade; crushed platform
RVSPP-RV120/121-001a	Surface	Prismatic blade	Proximal	Final-stage blade; ground platform; extensive edge damage
RVSPP-RV120/121-001c	Surface	Prismatic blade	Proximal	Final-stage blade; platform broken off - bulb on ventral surface; one lateral edge fractured off length-wise
RVS-RV31-001c	Surface	Prismatic blade	Proximal	Final-stage blade; ground platform; overhang removal

Table A.40 RVSP & RVS artifact measurements

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RVS-RV76-001a	1	Gray	16.27	23.07	16.27	1.56	
RVSP- RV120/121-001e	1	Green	22.22	13.28	3.80	1.22	3.64262295
RVS-RV31-001a	1	Gray	20.88	8.34	2.26	0.44	9.49090909
RVS-RV31-001b	1	Gray	20.57	8.38	2.13	0.44	9.35
RVS-RV31-001f	1	Gray	15.76	8.46	2.23	0.35	9.00571429
RVSP- RV115-001b	1	Green	25.72	12.81	3.05	1.22	4.21639344
RVSP- RV115-001c	1	Green	25.52	10.88	4.06	1.50	3.40266667
RVSP- RV115-001d	1	Green	21.92	14.21	3.30	0.94	4.66382979
RVSP- RV115-001e	1	Green	19.49	16.40	4.05	1.45	2.68827586
RVSP- RV115-001f	1	Green	12.83	12.61	5.87	0.98	2.61836735
RVSP- RV115-001g	1	Green	11.72	12.32	3.67	0.62	3.78064516
RVSP- RV115-001h	1	Green	10.17	11.82	3.01	0.34	5.98235294
RVSP- RV116-001a	1	Green	34.12	12.25	2.96	1.35	5.05481481
RVSP- RV116-001c	1	Green	14.54	20.43	4.91	1.30	2.23692308
RVSP- RV116-001e	1	Green	10.36	11.03	3.82	0.44	4.70909091
RVSP- RV119-001a	1	Green	19.19	12.45	2.37	0.71	5.4056338
RVSP- RV119-001b	1	Green	18.43	14.19	3.59	1.06	3.47735849
RVSP- RV120/121-001b	1	Green	29.68	14.18	3.14	1.88	3.15744681
RVSP- RV120/121-001d	1	Green	22.64	13.08	2.46	0.95	4.76631579
RVSP- RV120/121-001f	1	Green	16.58	10.25	3.36	0.58	5.71724138

Table A.40 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RVSPP-RV120/121-001g	1	Green	16.08	4.76	1.59	0.13	24.7384615
RVSPP-RV120/121-001h	1	Green	14.67	13.44	4.11	0.84	3.49285714
RVSPP-RV120/121-001i	1	Green	13.65	12.00	2.93	0.53	5.1509434
RVSPP-RV120/121-001j	1	Green	11.26	13.33	3.44	0.61	3.69180328
RVSPP-RV120-001a	1	Green	20.22	7.52	2.18	0.46	8.79130435
RVSPP-RV120-001b	1	Green	16.91	12.39	2.69	0.71	4.76338028
RVSPP-RV120-001c	1	Green	11.34	13.93	4.07	0.74	3.06486486
RVS-RV20-001a	1	Green	38.85	11.68	2.71	1.90	4.08947368
RVS-RV31-001d	1	Green	16.68	9.10	2.67	0.45	7.41333333
RVS-RV31-001e	1	Green	16.57	11.73	3.19	0.61	5.43278689
RVS-RV31-001g	1	Green	12.71	14.81	2.22	0.47	5.40851064
RVS-RV31-001h	1	Green	12.36	8.64	1.71	0.26	9.50769231
RVS-RV31-001i	1	Green	12.15	9.13	1.84	0.26	9.34615385
RVS-RV31-001j	1	Green	10.10	8.17	2.11	0.21	9.61904762
RVSPP-RV115-001a	1	Green	32.32	14.94	3.91	2.10	3.07809524
RVSPP-RV116-001b	1	Green	17.15	12.40	3.06	0.76	4.51315789
RVSPP-RV116-001d	1	Green	12.27	9.98	2.27	0.27	9.08888889
RVSPP-RV120/121-001a	1	Green	35.10	17.70	3.43	2.97	2.36363636
RVSPP-RV120/121-001c	1	Green	23.08	8.43	2.93	0.57	8.09824561
RVS-RV31-001c	1	Green	18.87	15.08	3.80	1.20	3.145

Table A.40 cont.

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
TOTALS:	40		Avg. 18.84	Avg. 11.96	Avg. 3.10	Sum 35.38 s.d. =	Avg. 5.85036512 3.90570445

Table A.41 Salinas Quemada 1986 (RV13) surface artifacts

FS#	Op.	Level	Artifact Category	Blade Segment	Notes	Dating notes
RV13-27a	A-6	Surface	Flake		Large percussion flake	PC
RV13-15a	C-3	Surface	Prismatic blade	Medial	Final-stage blade; lots of flaking on both surfaces and fractures along lateral margins	PC
RV13-18a		Surface	Prismatic blade	Medial	Final-stage blade; partial snap tab on proximal end of ventral surface; irregular flaking along both lateral margins	PC
RV13-04a	D-1	Surface	Prismatic blade	Proximal	Final-stage blade; ground platform; partial snap tab on distal end of dorsal surface	PC
RV13-01a	B-1	Surface	Projectile point		Prismatic blade segment has been retouched to form a projectile point; doesn't come to a sharp point; flaking only extends about halfway down blade segment	PC
RV13-02a	C-1	Surface	Projectile point		Probable prismatic blade segment retouched to form projectile point; fractured medially; corner-notched stem (9.15mm wd, 1.73mm lt)	PC
RV13-03a	C-1	Surface	Projectile point		Prismatic blade segment has been retouched to form a projectile point; only right corner and stem missing - fractured off; side-notched (5.37mm up from distal end); pressure flaking scars on ventral surface about 1/2 way down point	PC
RV13-05a	B-2	Surface	Projectile point		Probable prismatic blade segment retouched to form a projectile point; finely flaked on dorsal and ventral surfaces; large flake scars on distal end of both surfaces; no stem or notches	PC
RV13-07a	C-2	Surface	Projectile point		Probable prismatic blade segment retouched to form a projectile point; finely flaked on both surfaces; one flat, single facet on each surface; tip broken off; appears to be triangular in shape - distal end appears to have been flaked not fractured off	PC
RV13-08a	A-1	Surface	Projectile point		Prismatic blade segment retouched to form a projectile point; snap fracture on distal end of point/blade; entire point present - tip intact, side-notched stem (1.95mm lt); flaking on both surfaces; on ventral surface; flaking around tip extends about 1/3 of the way down the point	PC
RV13-09a	A-3	Surface	Projectile point		Prismatic blade segment retouched to form a projectile point; pressure flaking on extends about 1/2 way down blade segment on both surfaces; no notching or stem	PC

Table A.41 cont.

FS#	Op.	Level	Artifact Category	Blade Segment	Notes	Dating notes
RV13-10a	A-3	Surface	Projectile point		Prismatic blade segment retouched to form a projectile point; fine, parallel flaking on both surfaces, especially on ventral surface; tip intact, but no stem or notches	PC
RV13-11a	A-3	Surface	Projectile point		Probable prismatic blade segment retouched to form a projectile point; one lateral margin fractured off; pressure flaking along opposite lateral margin; possible side-notch (5.98mm from distal end)	PC
RV13-13a	C-3	Surface	Projectile point		Prismatic blade segment retouched to form a projectile point; broken off medially, leaving only distal end; flaked to form symmetrical dog-ear stem; most of ventral surface unflaked; refits to RV13-14a	PC
RV13-14a	C-3	Surface	Projectile point		Prismatic blade segment retouched to form a projectile point; medial section - distal and proximal ends broken off -refits with RV13-13a; most of ventral surface not flaked until near proximal end	PC
RV13-16a	D-3	Surface	Projectile point		Prismatic blade segment retouched to form a projectile point; entire point intact, tip to stem; side-notching (~9.4mm up from distal end); slightly concave area on very distal end (~5.74mm wide) possible to incorporate a snap fracture on that end of the blade	PC
RV13-17a	D-3	Surface	Projectile point		Prismatic blade segment retouched to form a projectile point; entire point intact, tip to stem; side-notching (~9mm up from distal end); slightly concave area on very distal end (~8.59mm wide)	PC
RV13-19a		Surface	Projectile point		Prismatic blade segment retouched to form a projectile point; fractured medially - only distal end present; side-notched (11.01mm above distal end); concave area on distal end (3.91mm wide); not much flaking on lateral margins	PC
RV13-20a		Surface	Projectile point		Prismatic blade segment retouched to form a projectile point; snap fracture on distal end, causing the point to end there; small notches just above distal end; tip intact	PC
RV13-21a		Surface	Projectile point		Prismatic blade segment retouched to form a projectile point; entire point present, tip to distal end; no notching; slight concave area on distal end (~4.97mm wide)	PC

Table A.41 cont.

FS#	Op.	Level	Artifact Category	Blade Segment	Notes	Dating notes
RV13-22a	E-5	Surface	Projectile point		Prismatic blade segment retouched to form a projectile point; fractured medially - only distal end present; no notching; distal end flaked to form dog-ears; concave area b/w dog ears (~7.06mm b/w ears)	PC
RV13-25a	D-6	Surface	Projectile point		Prismatic blade segment retouched to form a projectile point; very tip broken off, otherwise all intact; small side notches (~11.35mm from distal end)	PC
RV13-26a		Surface	Projectile point		Probable prismatic blade segment retouched to form a projectile point; fractured medially - no tip present; finely flaked along both surfaces; single facet on ventral surface; no notching or stem	PC

Table A.42 RV13 artifact measurements

FS#	Ct.	Color	Lt (mm)	Wd (mm)	Thk (mm)	Wt (g)	CE/M ratio
RV13-27a	1	Green	15.76	23.46	6.48	1.70	
RV13-15a	1	Green	22.68	15.97	2.54	0.96	4.725
RV13-18a	1	Green	27.58	9.71	2.87	0.62	8.89677419
RV13-04a	1	Green	15.86	11.94	2.93	0.54	5.87407407
RV13-01a	1	Green	20.87	10.91	2.48	0.57	7.32280702
RV13-02a	1	Green	16.22	14.46	3.12	0.73	4.44383562
RV13-03a	1	Green	32.47	10.88	3.42	1.30	4.99538462
RV13-05a	1	Green	29.70	14.85	2.92	1.12	5.30357143
RV13-07a	1	Green	26.28	16.42	3.16	1.49	3.52751678
RV13-08a	1	Green	24.28	9.45	2.97	0.75	6.47466667
RV13-09a	1	Green	20.16	13.80	2.34	0.88	4.58181818
RV13-10a	1	Green	34.85	12.94	4.07	1.42	4.9084507
RV13-11a	1	Green	16.41	10.71	3.84	0.63	5.20952381
RV13-13a	1	Green	17.92	16.11	4.04	1.26	2.84444444
RV13-14a	1	Green	27.08	15.94	4.42	2.30	2.35478261
RV13-16a	1	Green	33.18	15.92	3.07	1.59	4.17358491
RV13-17a	1	Green	33.41	15.95	3.38	1.65	4.04969697
RV13-19a	1	Green	22.28	13.82	3.14	1.05	4.24380952
RV13-20a	1	Green	22.09	12.72	3.61	1.02	4.33137255
RV13-21a	1	Green	34.53	14.68	2.69	1.66	4.16024096
RV13-22a	1	Green	15.21	14.47	3.40	0.85	3.57882353
RV13-25a	1	Green	29.29	12.04	3.37	1.16	5.05
RV13-26a	1	Green	25.33	16.69	3.91	1.84	2.75326087
			Avg	Avg	Avg	Sum	Avg
TOTALS:	23	Blades:	22.04	12.54	2.78	27.09	6.49861609
			Avg	Avg	Avg	s.d. =	2.15486996
		Proj. Pts.:	25.35	13.83	3.33		4.43724164
						s.d. =	1.21045184

Table A.43 Lower Río Verde Valley 2000 survey artifacts

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FS#	Site	Coll.#	Ct.	Wt (g)	Notes
Surv-001	RV69	S1	4	4.24	4 blade fragments - all green, 1 proximal (ground platform - medium), 3 medial
Surv-002	RV70	S5	1	0.91	Blade fragment - green, proximal w/ ground platform (fine)
Surv-003	RV70	S6	1	0.69	Blade fragment - green, proximal w/ ground platform (fine)
Surv-004	RV70	S4	1	0.60	Blade fragment - clear w/ gray speckles, medial
Surv-005	RV8	S1	2	2.44	2 blade fragments - green, medial
Surv-006	RV137	S5	4	3.60	4 blade fragments - all clear w/ gray streaks, 3 medial, one distal
Surv-007	RV69	S7	2	1.92	2 blade fragments - both green, 1 proximal (ground platform [fine]), 1 medial
Surv-008	RV69	S19	3	8.09	1 large flake (translucent gray); 1 blade fragment (clear w/ gray streaks; medial); 1 biface fragment (green; flaked prismatic blade, no tip, stem or notches - triangular)
Surv-009	RV63	S4	4	8.41	4 blade fragments - 3 green, 1 translucent gray w/ streaks; 1 proximal (ground platform [fine]), 3 medial
Surv-010	RV63	S5	1	0.75	Blade fragment - clear w/ gray streaks, medial
Surv-011	RV63	S13-1	36	56.43	3 biface fragments (1 w/ cortex); 8 proximal blade fragments (all ground; 2 w/ cortex); 9 other blade fragments; 10 flakes/flake fragments/chunks; 7 pieces w/ cortex on dorsal surface (green and translucent gray); colors = green, translucent gray, clear
Surv-012	RV63	S13-2	3	17.39	2 flakes (translucent gray w/ streaks, clear w/ gray streaks); 1 prismatic blade or possible crested blade (green) w/ small amt of cortex on distal end
Surv-013	RV69	S8	1	2.20	1 bifacially flaked prismatic blade - translucent gray w/ streaks
Surv-014	RV69	S6	6	9.92	All green; 3 proximal (finely ground), 2 medial; projectile point - triangular w/ slightly concave distal end
Surv-015	RV69	S9	1	8.73	Large, green flake; possibly core rejuvenation or preparation flake
Surv-016	RV140	S45	2	3.45	Both green blade fragments; 1 proximal (finely ground), 1 medial
Surv-017	RV140	S51	2	10.88	Both green; 1 flake/core fragment, 1 blade fragment - finely ground platform
Surv-018	RV140	S52	1	1.56	Proximal blade fragment - finely ground; clear w/ gray streaks
Surv-019	RV140	S66	1	2.41	Distal end fragment; clear w/ gray streaks
Surv-020	RV140	S67	3	3.91	All green; 2 blade fragments - 1 distal, 1 finely ground proximal; 1 retouched blade fragment into a projectile point w/ side-notching and hafting wear on dorsal surface
Surv-021	RV140	S68	4	11.88	2 green (one chunk that's likely the distal end of a core; 1 medial blade frag); 1 clear w/ gray speckles - distal blade frag; 1 clear w/ gray streaks - medial frag
Surv-022	RV140	S69	2	4.39	2 blade fragments - 1 green medial, 1 clear w/ gray streaks distal

009

Table A.43 cont.

FS#	Site	Coll.#	Ct.	Wt (g)	Notes
Surv-023	RV140	S69	6	49.85	1 exhausted polyhedral core (green w/ finely ground platform; 30.34g); 4 blade fragments (all green, 2 with outré passé curve - distal ends of core); 1 translucent gray flake
Surv-024	RV140	S9	2	2.12	2 blade fragments - green, medial
Surv-025	RV140	S13	1	7.45	Exhausted polyhedral core - green, finely ground platform
Surv-026	RV140	S23	1	15.71	Large blade - nearly complete (only very distal tip intact), finely ground platform, small amount of cortex near distal end
Surv-027	RV140	S39	2	1.63	2 blade fragments - green, 1 finely ground proximal, 1 medial
Surv-028	RV140	S14	1	9.66	Large flake - translucent gray w/ streaks
Surv-029	RV140	S44	1	6.09	Complete blade - green, finely ground platform, single facet on distal end; slight outré passé curve
Surv-030	RV140	S22	1	3.14	Possible crested blade or blade fragment - finely ground platform; green
Surv-031	RV140	S91	2	5.08	Both green - one flake and on medial fragment
Surv-032	RV140	S76	1	1.40	Green proximal fragment - finely ground platform
Surv-033	RV140	S24	1	11.58	Large flake - translucent gray w/ streaks
Surv-034	RV140	S74	1	3.26	Translucent gray - cloudy, medial fragment
Surv-035	RV140	S72	1	3.04	Green chunk
Surv-036	RV140	S35	2	3.29	2 green - 1 blade modified into a projectile point (very finely made w/ parallel flaking, large stem and side-notching), 1 medial blade frag
Surv-037	RV140	S37	3	3.18	3 green - 2 medial blade frags, 1 bifacially flaked blade into projectile point (triangular, tip broken off)
Surv-038	RV140	S30	5	10.39	4 green blade frags - 1 distal (retouched to form a scraper), 3 medial; 1 clear w/ gray streaks flake frag
Surv-039	RV140	S77	18	25.31	1 green w/ cortex; 11 flakes/flake frags/chunks (green and translucent gray w/ streaks); 7 blade frags (4 prox w/ finely ground platforms; 2 medial; 1 distal - green and translucent gray)
Surv-040	RV140	S75	9	24.19	5 blade frags (4 green, one clear w/ gray streaks; 2 finely ground prox, 3 medial); 4 flakes/flake frags/chunks - green and clear w/ gray streaks)
Surv-041	RV140	S19	12	36.35	1 exhausted polyhedral core (green w/ finely ground platform; 15.59g; relatively flat distal end); green pointed distal tip - outré passé blade removal; 6 blade fragments - all green, 2 finely ground proximal (one w/ cortex on dorsal surface), 4 medial (one w/ large chunk on dorsal surface); 4 flakes/flake fragments, all green

Table A.43 cont.

FS#	Site	Coll.#	Ct.	Wt (g)	Notes
Surv-042	RV140	S36	8	21.98	1 core w/ several flake and blade scars - translucent gray; 1 flake removed from core w/ several flake/blade scars - translucent gray; 5 blades - 3 translucent gray w/ streaks (2 proximal w/ finely ground platforms), 2 green (2 medial - 1 retouched to form scraper); 1 flake - clear w/ gray streaks
Surv-043	RV140	S37	19	55.25	1 core remnant (green; multiple blade scars around surface); 16 blade fragments (14 green - 2 prox w/ finely ground platforms, 2 distal, 10 medial), 2 translucent gray (2 prox w/ finely ground platform), 2 flakes (1 green w/ ground platform, 1 translucent gray)
Surv-044	RV140	S76	37	107.22	1 exhausted core remnant (green, 1 hinge fracture, 5.16g); 1 platform prep flake w/ multiple arrises (translucent gray w/ streaks); 10 flakes/flake fragments/chunks (1 green, 9 translucent gray w/ streaks); 25 blade fragments (4 proximal - 3 green, 1 translucent gray; 3 distal - translucent gray; 18 medial - 3 green, 15 translucent gray)
Surv-045	RV140	S77	95	92.60	Large mix of prismatic blade fragments and flakes/flake frags/chunks; mostly (if not all) green - very dirty so not thoroughly analyzed
Surv-046	RV47	S1	3	2.21	2 blade frags (1 translucent gray, 1 opaque gray; both medial); 1 translucent gray flake
Surv-047	RV70	S1	1	4.96	Blade frag - proximal (platform not ground or scored), translucent gray w/ streaks
Surv-048	RV84	S1	4	1.11	4 blade frags - 3 green (1 prox - platform not ground or scored; 2 medial), 1 translucent gray w/ streaks (medial)
Surv-049	RV76	S7	1	0.60	Medial blade frag - translucent gray w/ streaks
Surv-050	AC94A-9		1	1.20	Medial blade frag - translucent gray w/ streaks
Surv-051	RV31	S2	1	1.15	Medial blade frag - translucent gray
Surv-052	RV20	S5	2	1.48	2 medial blade frags (one only lateral margin) - translucent gray w/ streaks
Surv-053	RV47	outlier	1	0.83	Medial blade frag - clear w/ gray streaks
Surv-054	RV20	S7	2	0.49	2 medial blade frags - green
Surv-055	RV20	S6	1	3.22	Projectile point frag - tip missing; rectangular stem; translucent gray
Surv-056	RV79	S4	2	1.39	2 medial blade frags - green
Surv-057	RV28	S3	5	5.69	4 medial blade frags (3 green [1 w/ cortex on dorsal surface], 1 translucent gray); 1 green projectile point, no stem, concave area on distal end
Surv-058	RV12	S3	1	1.86	Medial blade frag - opaque gray
Surv-059	RV112	S1	2	1.39	2 blade frags - 1 translucent gray w/ streaks prox (finely ground), 1 opaque black medial
Surv-060	RV1	B5	4	6.53	4 blade frags - 2 green (1 prox w/ fracture platform, 1 medial), 1 clear w/ gray streaks (1 distal, 1 medial - refit)
Surv-061	RV12	S1	4	3.35	3 blade frags (opaque gray - 2 medial, 1 proximal w/ finely ground platform), 1 clear flake

Table A.43 cont.

FS#	Site	Coll.#	Ct.	Wt (g)	Notes
Surv-062	RV1	B5	9	13.65	9 blade frags - 3 green, 6 clear w/ gray streaks
Surv-063	RV1	S3	27	11.69	1 translucent gray projectile point (side-notched, concave distal end); 1 green bifacially flaked rectangular implement, fractured on both ends; 1 green flake; 24 blade fragments (11 green; 13 translucent gray or opaque gray)
Surv-064	RV1	S4	43	33.54	2 biface fragments (1 translucent gray - no tip or distal end; 1 green - retouched blade, stem present w/ side notches, fractured medially); 4 flakes/flake fragments (2 green, 2 translucent gray); 37 blade fragments (mix of green and translucent gray)
Surv-065	RV1	S2	47	50.43	2 flakes/flake fragments (translucent gray); 45 blade frags (mix of green and translucent gray)
Surv-066	RV1	S1	23	10.58	All blade frags - mix of green and translucent gray; proximal and medial are most common
Surv-067	RV1	S5	35	66.74	3 projectile points (1 nearly complete clear w/ gray streaks [side-notched]; 2 translucent gray [one w/ tip and most of stem broken off, 1 partial side notch; 1 with distal end fractured off]); 2 large chunks, both green; 30 blade frags (mix of green, translucent gray, and clear w/ gray streaks; prox and medial are most common)
TOTALS:			533	888.66	

Appendix B
Results of 2011 Geochemical Analyses

The results of two geochemical sourcing analyses of obsidian artifacts from the lower Río Verde Valley, Oaxaca, Mexico are presented. These tables show the elemental concentrations, in parts per million, of artifacts from La Consentida, Río Viejo, Cerro de la Virgen, and Yugüe.

Table B.01 Concentrations of elements in parts per million measured by XRF in obsidian artifacts from La Consentida

anid ¹⁴	K	Ti	Mn	Fe	Zn	Ga	Rb	Sr	Y	Zr	Nb	Source ¹⁵
LAC-01	34694	752	514	6497	26	14	90	76	12	67	7	GV
LAC-02	35629	519	416	4526	15	13	82	81	12	68	9	GV
LAC-03	35735	374	323	5056	16	14	94	29	11	47	8	PO
LAC-04	35814	556	343	3928	17	14	89	32	12	50	8	PO
LAC-05	38010	563	165	7911	37	16	145	11	43	191	35	PD
LAC-06	37995	523	320	3817	18	13	81	31	12	50	9	PO
LAC-07	34695	654	416	3925	17	13	94	33	12	54	8	PO
LAC-08	37179	542	470	4170	16	14	83	32	12	47	6	PO
LAC-09	37052	768	424	3053	19	14	82	30	17	51	9	PO
LAC-10	36743	664	85	8452	30	15	123	28	25	174	14	ZG
LAC-11	34475	892	221	7472	38	14	114	161	13	117	10	OT
LAC-12	33151	684	345	4805	19	14	89	82	11	63	8	GV
LAC-13	35593	849	187	8684	31	15	110	137	22	132	13	OT
LAC-14	35852	537	203	7822	34	16	141	9	37	177	31	PD
LAC-15	35998	443	429	4870	20	13	104	33	10	47	9	PO
LAC-16	35070	524	187	9114	36	15	128	155	18	129	12	PT
LAC-17	35586	611	250	7813	41	17	148	11	43	186	32	PD
LAC-18	34722	398	339	4793	17	13	80	71	10	64	5	GV
LAC-19	36303	512	412	3569	16	13	91	31	14	52	9	PO
LAC-20	35638	454	404	3755	13	13	91	32	13	51	8	PO
LAC-21	35391	457	401	4747	18	13	88	43	12	54	8	PO
LAC-22	36214	411	388	4818	19	14	104	41	13	58	7	PO
LAC-23	33888	456	361	4403	17	13	91	30	12	59	8	PO
LAC-24	36838	760	463	3941	18	13	88	36	13	62	9	PO

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¹⁴ The anid is an arbitrary number assigned to artifacts prior to sourcing.

¹⁵ GV: Guadalupe Victoria; MP: Malpais; OT: Otumba; PD: Paredón; PO: Pico de Orizaba; ZG: Zaragoza

Table B.01 cont.

anid ¹⁴	K	Ti	Mn	Fe	Zn	Ga	Rb	Sr	Y	Zr	Nb	Source ¹⁵
LAC-25	35677	568	326	4546	16	14	81	76	15	78	8	GV
LAC-26	36284	643	333	3953	12	14	72	75	13	65	7	GV
LAC-27	34459	550	478	4326	17	14	97	32	9	55	9	PO
LAC-28	35514	712	278	7382	31	15	99	90	20	94	12	MP
LAC-29	39171	760	388	4759	19	14	82	69	13	63	8	GV
LAC-30	36063	386	358	4069	16	13	82	34	12	50	9	PO
LAC-31	35880	592	418	4045	17	13	79	50	11	55	8	GV
LAC-32	36032	602	366	3399	16	14	87	34	12	50	10	PO
LAC-33	35586	373	471	4526	20	14	101	32	13	50	8	PO
LAC-34	33841	608	370	3676	15	13	94	35	13	50	8	PO
LAC-35	36879	757	409	3248	16	14	85	36	12	58	8	PO
LAC-36	34250	545	89	9998	32	14	114	146	15	133	9	OT
LAC-37	36493	519	348	4134	16	13	91	36	12	49	8	PO
LAC-38	35607	573	157	10351	36	15	131	37	25	201	13	ZG
LAC-39	36011	550	396	3626	16	13	94	35	12	53	11	PO
LAC-40	34768	507	381	4255	17	13	91	39	11	57	7	PO

Table B.02 Concentrations of elements in parts per million measured by XRF in obsidian artifacts from Río Viejo, Yugüe, and Cerro de la Virgen

ANID	K	Ti	Mn	Fe	Zn	Ga	Rb	Sr	Y	Zr	Nb	Pb	Th	Source ¹⁶
DTW008	34621	744	222	7726	28	15	110	129	19	130	11	22	8	OT
DTW002	35535	532	71	7686	24	15	134	18	21	118	9	23	10	UC
DTW003	34571	466	87	7470	26	14	140	17	20	112	9	27	13	UC
DTW004	35126	491	85	7520	24	15	129	17	22	108	9	26	12	UC
DTW006	35095	563	127	7143	24	15	133	20	21	116	11	23	13	UC
DTW007	35772	436	0	7641	22	14	130	21	18	114	10	25	13	UC
DTW009	35024	447	131	8119	28	15	134	17	19	105	11	26	11	UC
DTW010	36278	447	154	7478	25	15	129	20	23	113	10	22	11	UC
DTW012	35476	630	112	7809	27	15	131	16	21	123	12	22	9	UC
DTW013	35624	508	134	7198	25	14	141	15	22	105	9	24	13	UC
DTW015	37393	482	62	6830	22	14	136	19	20	106	8	23	13	UC
DTW016	36823	338	53	7329	31	15	135	18	19	104	10	24	12	UC
DTW017	34809	560	67	7655	24	14	132	17	20	150	9	24	11	UC
DTW018	36986	510	112	7223	31	15	140	23	20	117	12	27	13	UC
DTW019	36991	509	86	8042	33	15	151	23	19	117	9	26	15	UC
DTW020	36210	585	46	7227	25	15	128	24	25	118	10	23	11	UC
DTW021	34472	725	126	7466	28	14	128	21	19	120	9	29	13	UC
DTW022	36464	482	180	7577	27	14	122	18	24	107	9	27	9	UC
DTW023	35341	427	55	7344	23	14	128	18	20	105	10	26	10	UC
DTW024	34909	403	192	7240	24	14	124	16	20	106	10	26	12	UC
DTW025	35224	445	198	7146	20	12	123	18	19	106	9	23	9	UC
DTW026	36280	269	86	7330	21	13	117	18	20	109	8	26	10	UC
DTW027	35742	243	42	6684	21	14	117	12	19	96	11	24	10	UC
DTW028	35760	285	2	7399	20	14	120	20	19	101	10	24	10	UC
DTW001	35618	626	214	8583	37	15	130	31	27	175	13	27	16	ZG
DTW005	35423	698	157	8116	27	15	121	33	27	184	13	26	16	ZG
DTW011	36798	739	234	8150	32	16	121	40	30	174	13	26	16	ZG
DTW014	36875	528	106	9167	38	16	131	31	30	178	15	26	12	ZG
DTW029	34859	534	161	8716	26	14	96	128	17	126	8	25	9	OT

¹⁶ GV: Guadalupe Victoria; OT: Otumba; PC: Pachuca; PO: Pico de Orizaba; UC: Ucareo; ZG: Zaragoza

Table B.02 cont.

ANID	K	Ti	Mn	Fe	Zn	Ga	Rb	Sr	Y	Zr	Nb	Pb	Th	Source¹⁶
DTW030	33884	304	288	3953	15	12	70	67	10	58	7	22	6	GV
DTW031	36154	260	88	6509	18	14	118	15	16	95	9	23	10	UC
DTW032	35111	498	216	8056	24	14	96	132	19	126	10	24	8	OT
DTW033	36929	350	101	9080	28	15	111	24	28	162	14	25	10	ZG
DTW034	34325	317	295	4797	15	12	71	70	12	60	6	23	7	GV
DTW035	35546	220	520	14210	112	23	150	6	86	784	66	29	16	PC
DTW036	33666	460	301	5046	16	14	79	69	10	66	6	24	7	GV
DTW037	33632	406	101	8635	24	14	104	139	16	129	7	24	7	OT
DTW038	32628	370	0	10378	27	14	94	96	20	134	8	25	7	OT
DTW039	33648	345	3	8866	27	14	103	26	22	151	10	29	11	ZG
DTW040	33268	267	82	5474	14	13	90	14	11	71	5	21	9	PO
DTW041	32682	315	87	10573	24	14	89	100	19	122	6	21	7	OT
DTW042	33945	245	0	7983	21	13	112	13	14	86	7	23	8	UC

Table B.03 Concentrations of elements in parts per million measured by NAA in obsidian artifacts from Río Viejo and Yugüe

anid	Ba	La	Lu	Nd	Sm	U	Yb	Ce	Co	Cs	Eu
DTW017	171.4	38.5	0.380	28.1	4.98	4.52	2.40	72.4	0.45	6.91	0.208
DTW038	785.8	28.9	0.370	22.2	4.98	3.84	2.88	58.2	1.08	5.32	0.622

Table B.03 cont.

anid	Fe	Hf	Rb	Sb	Sc	Sr	Ta	Tb	Th	Zn	Zr
DTW017	7833.6	4.38	146.8	0.550	2.58	0.0	1.19	0.62	14.2	35.3	153.0
DTW038	12236.9	4.94	129.0	0.210	3.18	127.4	1.01	0.70	9.8	62.3	185.8

Table B.03 cont.

anid	Al	Cl	Dy	K	Mn	Na	Source Name
DTW017	63552.0	444.3	3.76	40753.80	167.6	28182.6	Ucareo
DTW038	67113.6	367.9	3.62	34369.10	279.9	30907.2	Otumba