University of Nevada, Reno

Late Holocene Toolstone Procurement and Land-Use Strategies in the Black Rock Desert and High Rock Country of Northwest Nevada

A thesis submitted in partial fulfillment of the requirements for the degree of Master of Arts in Anthropology

by

Stephen J. LaValley

Dr. Geoffrey M. Smith/Thesis Advisor

May, 2013

Copyright by Stephen J. LaValley 2013
All Rights Reserved

University of Nevada, Reno
Statewide • Worldwide

THE GRADUATE SCHOOL

We recommend that the thesis
prepared under our supervision by

STEPHEN J. LAVALLEY

entitled

Late Holocene Toolstone Procurement and Land-Use Strategies in the Black Rock Desert and High Rock Country of Northwest Nevada

be accepted in partial fulfillment of the
requirements for the degree of

MASTER OF ARTS

Geoffrey M. Smith, Ph.D., Advisor

Gary Haynes, Ph.D., Committee Member

Scott D. Bassett, Ph.D., Graduate School Representative

Marsha H. Read, Ph.D., Dean, Graduate School

May, 2013

Abstract

This thesis tests current interpretations of Late Holocene (5,000 cal BP to present) archaeology for the Black Rock Desert and High Rock Country (BRD/HRC) through an assessment of the toolstone procurement and land-use strategies of the region's prehistoric occupants. This is achieved through: lithic analysis from Paiute Creek Shelter (PCS), a recently excavated rock shelter with stratified cultural remains spanning the Late Holocene; X-ray fluorescence analysis of artifacts from PCS, Hanging Rock Shelter, Silent Snake Springs, and Smokey Creek Cave; and spatial analysis of 623 archaeological sites in the BRD/HRC. Results indicate that no changes occurred in how obsidian toolstone was procured between the Middle Archaic (5,000-1,500 cal BP) and Late Archaic (1,500 cal BP to contact), while residential mobility intensified during the Late Archaic, likely promoting increased trade in the region.

Acknowledgements

There are numerous people and organizations that I would like to thank for their participation in helping me complete this thesis. I would first like to thank SARF/ GBPRU and the anthropology department for funding my studies at UNR. My research could not have happened without funding from the College of Liberal Arts, the Graduate Student Association, and the Desert Research Institute. I also would like to thank the Am-Arcs of Northern Nevada and GSA for supporting my travels to several conferences.

There are many individuals to whom I am greatly thankful for their support and aid in the completion of this thesis. Craig Skinner and Jennifer Thatcher at the Northwest Research Obsidian Studies Laboratory and Richard Hughes at the Geochemical Research Laboratory provided the XRF analysis for this thesis, sometimes within unthinkably fast turnaround. Some source provenance data in this thesis was shared by Geoff Smith, Kristina Wiggins, Melinda Leach, and John Fagan; thank you all very much, it has provided much needed substance. Thanks go to Kathryn Ataman and Dave Valentine at the BLM Winnemucca Field Office for their assistance and support. Finally, thank you Gene Hattori, Rachel Malloy, and Maggie Brown for providing access to collections in the Nevada State Museum.

In addition to the many SARF/GBPRU student employees and volunteers who have assisted in the cleaning, labeling, and recording of the PCS assemblage, I would like to thank those before me who excavated the shelter including: Ghufran Ahmed, Anna Camp, Mark Estes, Ted Goebel, Jon Grant, Brant Ivey, Lisbeth Louderback, Geoff

Smith, and Dave Valentine. Also, special thanks to Janine Tingson for illustrating the artifacts, Kristina Wiggins for helping analyze debitage, and Ellie Maniery for the flake tool analysis.

I must thank my committee – Dr. Geoffrey M. Smith, Dr. Gary Haynes, and Dr. Scott D. Bassett – for their support, critiques, and edits. Thank you Geoff for introducing me to PCS and the Black Rock Desert/High Rock Country; I am not convinced that I would have found as much fulfillment in Grass Valley. Gary, thanks for being awesome; I look forward to an invitation to the Clovis Mafia. And thank you Scott for showing me the ways of GIS and deterring me from taking a bigger bite out of it than I could chew.

I would also like to thank my family and friends, for whose support could not be found anywhere else. Thanks go to Tony Taylor, the only other member of my cohort, and Verla Jackson, for their support and advice along the way. I am very grateful for my parents, who encourage my pursuits down whatever path I decide to wander. And finally, Chrissy – I am forever indebted to her for everything she has done. I had no clue what I was doing in graduate school before I met her. She gave me invaluable advice and structure in my life that has made me a better student, archaeologist, and person. She was and is the sounding board for all my woes and I look forward to spending many more years with her.

Table of Contents

Abstract i

Acknowledgements ii

List of Tables vii

List of Figures xi

Chapter 1: Introduction 1
- The Black Rock Desert/High Rock Country 3
- Background 3
  - Climate/Environment 3
  - Archaeology 7
- Addressing the Issue of Scale 15
  - Previous Regional Studies 15
  - The Current Study 18
- Research Goals 18

Chapter 2: Materials 20
- Paiute Creek Shelter 21
- X-Ray Fluorescence Lithic Assemblages 26
  - Paiute Creek Shelter 27
  - Hanging Rock Shelter 28
  - Silent Snake Springs 30
  - Smokey Creek Cave 31
- Regional Site Inventory 33
  - NVCRIS 33
  - Previous Sundance Fieldwork 35

Chapter 3: Methods 39
- Excavations at Paiute Creek Shelter 39

Laboratory Analysis 41
Descriptive Analysis 42
Lithic Raw Material 42
Debitage Analysis 42
Core Analysis 44
Tool Analysis 45
Groundstone Analysis 50
Integrative Analysis 52
X-Ray Fluorescence Analysis 52
Biface Reduction Curves 55
Statistical Analysis 57
Geographical Information System 57
Site Inventory 58
Site Distribution 58
Site Function 59
Characterization of Prehistoric Land-Use 60
Summary 61

Chapter 4: Results 63
The Paiute Creek Shelter Lithic Assemblage 63
Raw Material 64
Core Analysis 65
Tool Analysis 67
Ground Stone Analysis 79
Debitage Analysis 80
X-Ray Fluorescence Analysis of High Rock Lithic Assemblages 84
Regional Site Inventory 99
Site Distribution 99
Site Function 102
Land-use Patterns 109
Summary 116

Chapter 5: Technological Organization, Toolstone Procurement, and Land-Use 117
Technological Activities at PCS 118

Toolstone Procurement in the BRD/HRC 123
Land-Use in the BRD/HRC 134
Summary 139

Chapter 6: Conclusions 145
Technological Activities at PCS 146
Toolstone Procurement in the BRD/HRC 147
Land-Use in the BRD/HRC 149
Conclusions 150

References 153

Appendix A: Site Inventory 153

Appendix B: Artifact Atributes 153

Appendix C: X-Ray Fluorescence Data 153

List of Tables

Table 2.1. Summary of Artifacts by Component at PCS. 26

Table 2.2. Summary of Projectile Points Submitted for XRF Analysis. 27

Table 3.1. Radiocarbon Dates recovered at PCS. 40

Table 3.2. Summary and Assignment of Strata and Ages to Components. 41

Table 3.3. Summary of Hypotheses and Expectations. 62

Table 4.1. Total Artifacts by Component. 64

Table 4.2. Total Artifacts by Raw Material. 65

Table 4.3. Platform Type and Presence/Absence of Cortex on Flake Tools by Component. 77

Table 4.4. Platform Type and Presence/Absence of Cortex on Flake Tools by Raw Material. 77

Table 4.5. Summary of Flake Attributes by Component. 83

Table 4.6. Summary of Flake Attributes by Raw Material. 83

Table 4.7. Results of XRF Analysis of Artifacts from PCS. 86

Table 4.8. Comparisons of Average Transport Distance and Diversity for a Sample of Flakes from PCS by Component. 86

Table 4.9. Local vs. Non-local Obsidian Present in a Sample of Flakes from PCS by Component. 87

Table 4.10. Comparisons of Average Transport Distance and Diversity for a Sample of Flakes from PCS by Debitage Attributes. 87

Table 4.11. Local vs. Non-local Obsidian Present in a Sample of Flakes from PCS by Debitage Attributes. 87

Table 4.12. Comparisons of Average Transport Distance and Diversity for Cores and Unhafted Bifaces from PCS. 89

Table 4.13. Source Profiles of Cores and Unhafted Bifaces from PCS by Component. 89

Table 4.14. Source Profiles of Middle and Late Period Projectile Points from PCS 90

Table 4.15. Comparisons of Average Transport Distance and Diversity of Projectile Points from PCS. 90

Table 4.16. Local vs. Non-local Obsidian Projectile Points from PCS. 90

Table 4.17. Comparisons of Average Transport Distance and Diversity of Tools from PCS. 91

Table 4.18. Local vs. Non-local Obsidian Artifacts from PCS. 91

Table 4.19. Comparisons of Average Transport Distance and Diversity of Tools from PCS by Component/Period. 92

Table 4.20. Local vs. Non-local Obsidian Artifacts from PCS by Component/Period. 92

Table 4.21. Results of XRF Analysis for Middle Period Projectile Points from Sites in the High Rock. 95

Table 4.22. Results of XRF Analysis for Late Period Projectile Points from Sites in the High Rock. 96

Table 4.23. Comparisons of Average Transport Distance and Diversity of Projectile Points from Hanging Rock Shelter by Period. 97

Table 4.24. Local vs. Non-local Obsidian Projectile Points from Hanging Rock Shelter. 97

Table 4.25. Comparisons of Average Transport Distance and Diversity of Projectile Points by Site. 98

Table 4.26. Local vs. Non-local Obsidian Projectile Points by Site. 98

Table 4.27. Source Profiles for Middle and Late Period Points from the HRC. 98

Table 4.28. Attributes, Artifact Counts, and Measures from Sites in the BRD/HRC. 103

Table 4.29. Comparisons of Richness, Diversity, and Evenness of Sites by Period. 107

Table 4.30. Size Class of Single Component Sites by Period 108

Table 4.31. Predominant Raw Material Present at Single Component Sites by Period. 109

Table 4.32. Predominant Raw Material Present at Sites by Site Size Class. 109

Table 4.33. Vegetation Community and Land Cover in the Area of Study. 111

Table 4.34. Comparisons of Mean Elevations by Period. 113

Table 4.35. Raw Material Preference at Sites by Elevation. 114

Table 4.36. Mean Richness, Diversity, and Evenness of Assemblages by Elevation. 115

Table 4.37. Mean Richness, Diversity, and Evenness of Assemblages by Slope. 115

Table 4.38. Mean Richness, Diversity, and Evenness of Assemblages by Vegetation/Land Cover. 115

Table 5.1. Comparisons of Average Transport Distance and Diversity for Each Site. 128

List of Figures

Figure 1.1. Location of the BRD/HRC. 4

Figure 1.2. Summary of cultural and climatic patterns in the Great Basin and BRD/HRC. 8

Figure 2.1. Locations of sites used in this study. 22

Figure 2.2. Extent of overhang at PCS. 23

Figure 2.3. Origin of deposits at PCS. 24

Figure 2.4. Planview of PCS. 25

Figure 2.5. Study area included in the regional site inventory.. 34

Figure 2.6. Location of Sites in the northern half of the area of study. 36

Figure 2.7. Location of sites in the southern half of the area of study. 37

Figure 3.1. Axial edge use table. 51

Figure 3.2. Ideal biface reduction curves. 56

Figure 4.1. Size value of cores by component and raw material. 66

Figure 4.2. Middle Period projectile points from PCS. 68

Figure 4.3. Middle Period projectile points from PCS. 69

Figure 4.4. Late Period projectile points from PCS 70

Figure 4.5. Late Period projectile points from PCS. 71

Figure 4.6. Middle and Late Period projectile points by raw material. 72

Figure 4.7. Biface reduction curves by raw material. 73

Figure 4.8. Biface reduction curves by component. 73

Figure 4.9. Biface reduction curve from PCS compared to ideal curves. 74

Figure 4.10. Maximum linear dimension and weight of flake tools by component. 75

Figure 4.11. Maximum linear dimension and weight of flake tools by component. 76

Figure 4.12. Edge use index of complete flake tools by component and raw material. 79

Figure 4.13. Degree of use-wear on groundstone by component. 80

Figure 4.14. Raw material of debitage by component. 81

Figure 4.15. Raw material of debitage sample by component. 82

Figure 4.16. Obsidian sources present in artifact assemblages from four High Rock sites. 94

Figure 4.17. Sites and select survey projects in the area of study. 101

Figure 4.18. Distribution of sites in the BRD/HRC by elevation. 110

Figure 4.19. Number of sites in the BRD/HRC by slope 110

Figure 4.20. Range and average elevation of sites in the BRD/HRC by period. 112

Figure 4.21. Slope of sites in the BRD/HRC by period. 113

Figure 5.1. Sites and obsidian sources included in this study. 127

Figure 5.2. McGuire's spheres of obsidian production along the Sierra/Great Basin interface. 129

Figure 5.3. Proposed spheres of obsidian production in the BRD/HRC. 133

Chapter 1

Introduction

This study incorporates the results of recent excavations at Paiute Creek Shelter (PCS), Humboldt County, Nevada, and modern analyses involving X-ray fluorescence (XRF) and Geographical Information Systems (GIS) to provide an updated overview of toolstone procurement and land-use strategies during the Late Holocene – a time during which the BRD/HRC was heavily populated by hunter-gatherers but one that has received less recent attention than earlier times. Although regional prehistoric chronologies in the Great Basin (e.g., Bettinger 1975; Layton 1970; O'Connell 1975; Thomas 1971) were established decades ago, some areas, including the Black Rock Desert and High Rock Country (BRD/HRC) of northwest Nevada, warrant additional research. Not only have many more archaeological sites been recorded since the development of initial chronological frameworks, but techniques with which to interpret the past (e.g., Accelerator Mass Spectrometer [AMS] dating, X-ray fluorescence) have been developed and/or refined as well. While the prehistoric record of northwest Nevada has been reviewed and reinterpreted on several occasions, focus has been primarily on the Terminal Pleistocene/Early Holocene (Camp 2009; Smith 2006, 2010).

Thomas Layton (1970) established the regional prehistory of the BRD/HRC that archaeologists working in the region, including myself, have come to rely on. Layton (1970) concluded there was a partial abandonment of the area 1,750-650 calendar years before present (cal BP); however, deposits laden with cultural material at PCS date to this

very period. It is insupportable to assert, based on these findings that the entire region was thoroughly populated, but these results do show that there may have been a few areas where populations maintained a substantial presence. Additionally, this period of time in the northwest Great Basin was one of tremendous change with respect to mobility (McGuire 2002a; Smith 2010) and settlement (Beck 1984; Connolly and Jenkins 1997; Elston 1986; Jenkins 1994; Jones 1984; McGuire 2002b; O'Connell 1975). Paiute Creek Shelter provides the evidence needed to help fill the gaps in the region's prehistory and address big picture questions regarding hunter-gatherer toolstone procurement and land-use strategies.

To understand PCS's significance and its place in BRD/HRC prehistory, I first reconstruct the activities that took place there through an analysis of lithic technology and draw upon existing data derived from an analysis of subsistence residues at the site (Schmitt 2008). Second, to understand the socioeconomic ties that the occupants of PCS possessed with groups in the surrounding region, I use source provenance data from a large sample of artifacts made on obsidian from four sites: PCS; Hanging Rock Shelter; Silent Snake Springs; and Smokey Creek Cave. Third, to situate PCS within a broader context, I consider the distribution of archaeological sites in the surrounding area to see if and how land-use patterns changed across time, and how PCS – as one of the few stratified sites with well-preserved lithic and faunal records – may inform our understanding of those patterns.

The Black Rock Desert/High Rock Country

The area surrounding PCS in northwest Nevada is atypical of Great Basin physiography. Terrain deviates from the characteristic north-south trending basin-and-range topography seen elsewhere in the inter-mountain west, and is comprised of volcanic tablelands with deeply-incised canyons and ephemeral streams. Layton (1970:14) coined the term "High Rock Country" (HRC) to describe this area, which includes the land south of Oregon, east of California, and north and west of the Black Rock Desert (BRD)(Figure 1.1).

The BRD is a vast playa measuring 95 km long by 40 km wide and an estimated 200 square miles. It was once the bed of Pleistocene Lake Lahontan and is divided into the West and East "Arms" by the Black Rock Mountain Range. The Quinn River and other lesser drainages originating in the HRC, including Paiute Creek, drain into the BRD. The BRD is bordered on the east by the Jackson Mountains, on the northwest by the Pine Forest Mountains, on the west by the Calico and Granite Mountains, and on the south by the northern extents of a series of north-south trending mountain ranges.

Background

Climate/Environment

Historically, the BRD/HRC has received little rainfall and has had high rates evapotranspiration that prevent trees from growing abundantly. The majority of

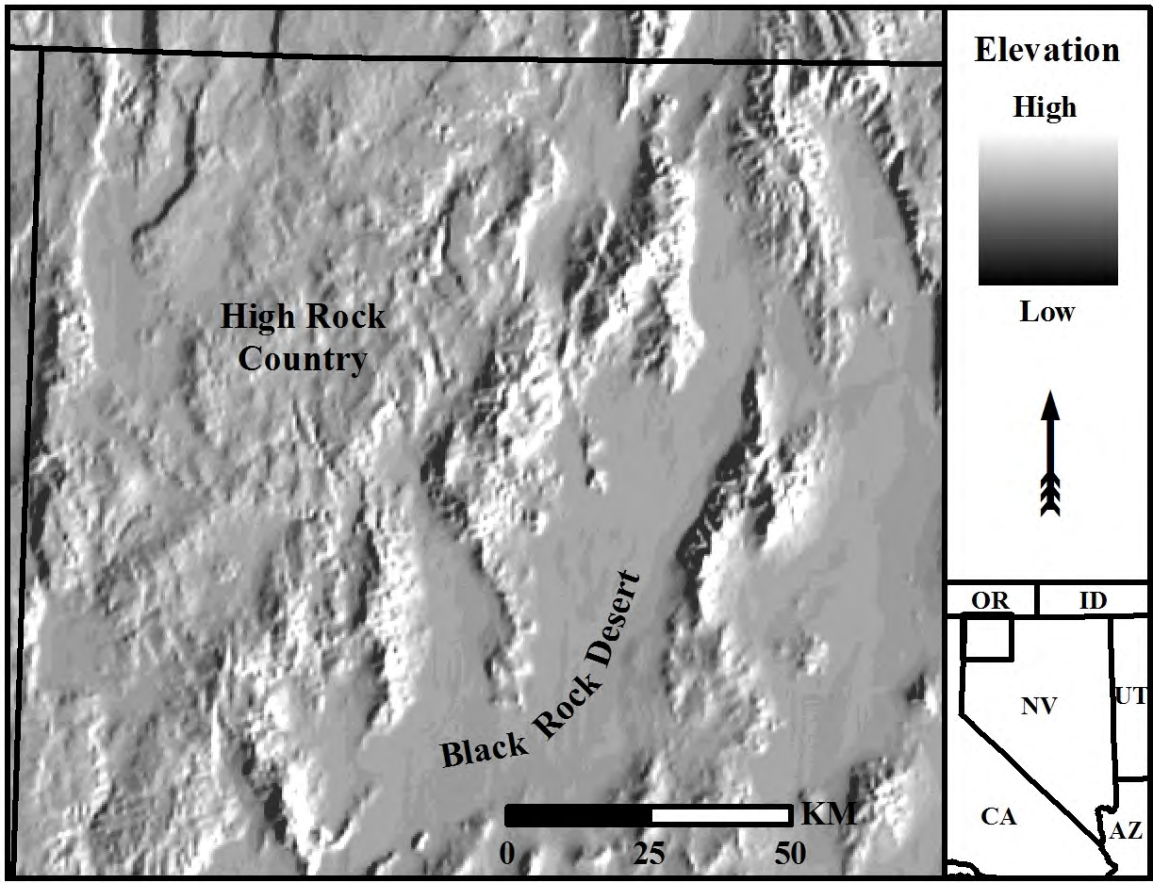


Figure 1.1. Location of the BRD/HRC.

precipitation falls as winter snow, while springs and snowmelt feed streams during the rest of the year. Elston and Davis (1979) speculate that the subsurface geology of the Black Rock Range may be comprised of western trending bedding planes that direct water to the west so that few permanent water sources exist on the surface of the eastern side of the range, where PCS is located. In the BRD proper, limited water sources lie on the margins, and vegetation is lacking throughout much of the desolate playa. In the uplands surrounding PCS over 90 percent of the mountain range is categorized as shrub steppe, although trees such as western juniper and mountain mahogany grow in sparse

stands at high elevations and latitudes (Elston and Davis 1979). Local plants include sagebrush, budsage, rabbitbrush, elderberry, Great Basin wild rye, tall sage, greasewood, willow, and non-native cheatgrass. Fauna in the area include small game such as ground squirrel, sage grouse, rabbits, and chukar, as well as large mammals such as mountain lion, pronghorn, and bighorn sheep (Elston and Davis 1979).

During the Terminal Pleistocene (13,000-12,000 cal BP), when people first entered the Great Basin (Beck and Jones 2010; Grayson 2011; Jenkins et al. 2012), conditions were far different from today. As a result of cooler and moister conditions, many valleys in the Great Basin were filled with pluvial lakes. Some of these lakes overfilled and connected multiple basins. Such was the case with Lake Lahontan, which at its highest stand around 15,000 cal BP (Adams et al. 2008; Benson et al. 1990) covered over 8,200 square miles (Reheis 1999). While Lake Lahontan had receded to some extent before people arrived, it was nevertheless a large body of water surrounded by marshes. By 11,500 cal BP, climatic warming brought an end to many of the Pleistocene lakes (Benson et al. 1990).

As pluvial lake levels fell, the size of marshes increased in many valleys (Young 1998). However, unlike the climatic rebound seen in the Younger Dryas (12,900-11,600 cal BP), which temporarily halted the lakes' desiccation and in some places refilled pluvial basins (Adams et al. 2008; Benson et al. 1990), the climatic conditions of the Early Holocene (12,000-8,300 cal BP) continued to deteriorate, and most marshes eventually dried up. This period saw moist but warm conditions until 7,800 cal BP (Grayson 2011). The distribution of vegetation zones in the Great Basin during the Early Holocene changed dramatically due to higher temperatures and diminished water supply.

Pollen records from the eastern Great Basin reveal that during that period shadscale outcompeted sagebrush in lower elevations, and conifers moved upslope (Louderback and Rhode 2009). These trends occurred throughout the inter-mountain west, including the BRD/HRC (Nowak et al. 1994; Wigand and Rhode 2002), and intensified into the Middle Holocene.

The Middle Holocene (8,300-4,500 cal BP) was generally a period of hot and dry conditions in the Great Basin. Precipitation was so low and temperatures so high that most lakes and marshes completely dried up. Evidence from the Humboldt River suggests that its flow dwindled to a trickle and at times stopped (Miller et al. 2004). Submerged tree stumps found below the current level of Lake Tahoe indicate that there were periods when the lake did not spill into the Truckee River (Lindstrom 1990). In turn, this affected Pyramid Lake downstream, which dwindled to its lowest known levels during this time (Benson et al. 2002). By the beginning of the Middle Holocene the BRD had completely dried, as evidenced by the presence of Mazama ash deposits on the playa floor (Adams et al. 2008). Shifts in the distribution and abundance of vegetation zones solidified during the Middle Holocene and did not change dramatically until climatic conditions improved during the Late Holocene (Grayson 2011).

The Late Holocene (4,500 cal BP – present) is best characterized as an episode of recovery from the Middle Holocene (Bettinger 1999; Grayson 2011). Proxy data from Pyramid Lake show that highstands indicative of wetter and cooler conditions occurred around 3,900 and 2,775 cal BP (Briggs et al. 2005) while droughts occurred frequently over the last 2,500 years (Mensing et al. 2004). The climate during the past 1,000 years was particularly variable as evidenced by the Medieval Climate Anomaly and Little Ice

Age (Bettinger 1999; Grayson 2011). Support for these latest climatic fluctuations is also apparent slightly to the north of the HRC/BRD, where bison inhabited the area during protohistoric times (Grayson 2006a) and Malheur Lake levels rose high enough to spill out of the Great Basin (Dugas 1998). Plant and animal densities and distributions were noticeably altered by these climatic oscillations (e.g., artiodactyl population densities increased after 5,300 cal BP [Broughton et al. 2008]); however, by the beginning of the Late Holocene, floral (Minckley et al. 2007), faunal (Grayson 2006b), and environmental (Grayson 2011) settings in the BRD/HRC closely resembled those of today.

Archaeology

Humans have occupied the BRD/HRC for the past ~13,000 years (Clewlow 1968; Layton 1970; McGonagle 1975; Smith 2006). During that time the Great Basin has witnessed a multitude of climatic and environmental fluctuations, which have presented both rewarding and difficult circumstances to hunter-gatherer populations. The following section discusses how hunter-gatherers in the Great Basin, specifically in the BRD/HRC, adapted and coped with ever-changing conditions. Figure 1.2 integrates the cultural and climatic patterns discussed here.

The period when people first arrived in the Great Basin is referred to as the Pre-Archaic (13,000-8,300 cal BP) by some, or Paleoarchaic or Paleoindian by others, and corresponds roughly to the Terminal Pleistocene/Early Holocene (Beck and Jones 1997; Grayson 2011; Haynes 2002). In the HRC, this period encompasses Layton's (1970) Parman and Calico phases. As previously mentioned, Lake Lahontan was a dominant

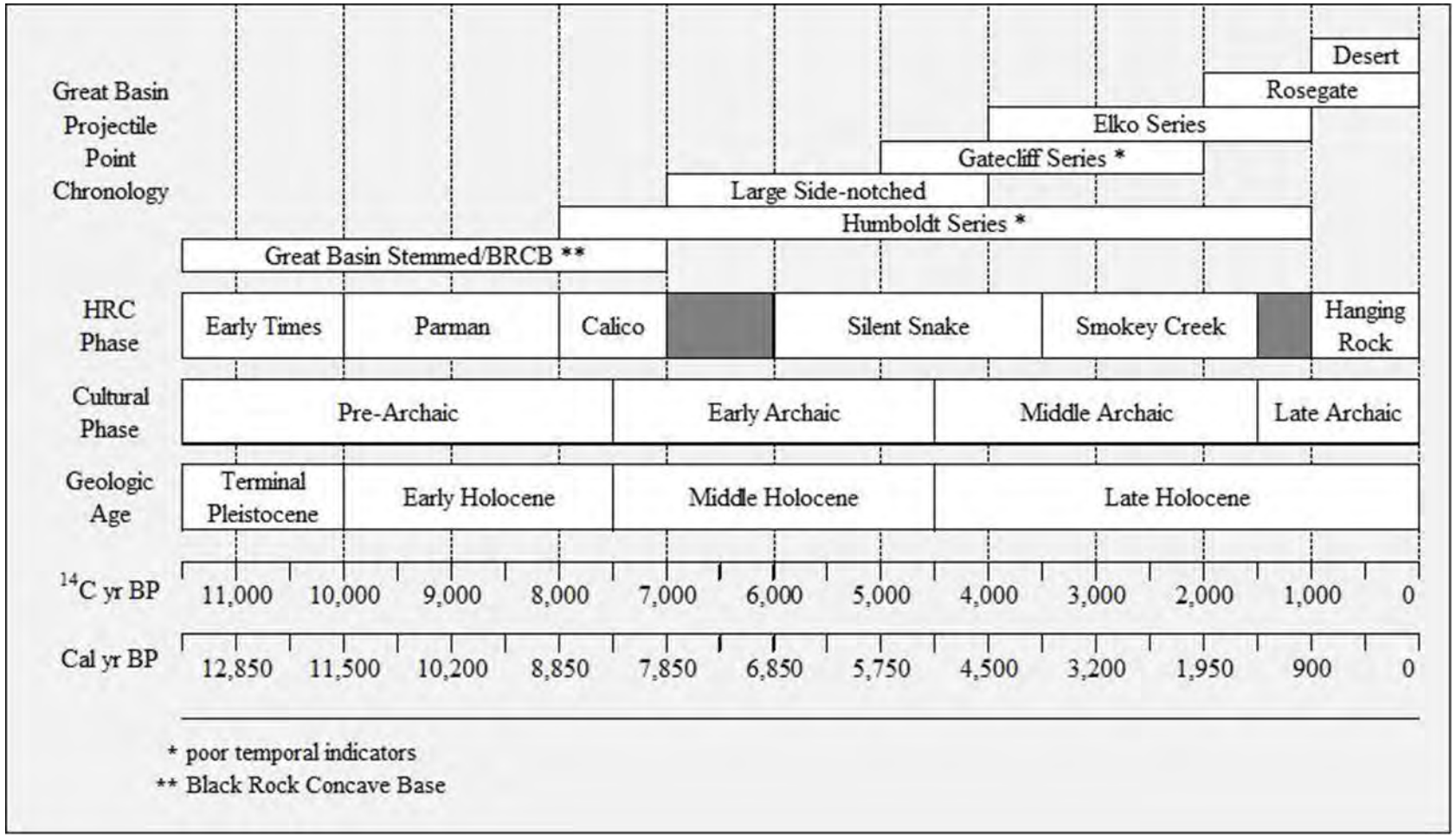


Figure 1.2. Summary of cultural and climatic patterns in the Great Basin and BRD/HRC, including Layton's (1970) phases and approximate temporal durations of projectile point types from Oetting (1994) and Thomas (1981).

feature on the landscape of northwestern Nevada, one that Pre-Archaic groups used for its lacustrine resources (Adams et al. 2008; Camp 2009; Clewlow 1968; Hester 1973; Smith and Goebel 2003). While Pre-Archaic populations largely inhabited the margins of Lake Lahontan, they also ventured into HRC to pluvial Lake Parman (Layton 1970; Smith 2006, 2007a), pluvial Paiute Lake (Fenner and Smith 2010), Last Supper Cave (Layton and Davis 1978; Smith 2008, 2009), and Hanging Rock Shelter (Layton 1970; Smith et al. 2011).

Artifacts diagnostic of this period include Great Basin Fluted (Clovis or Clovis-like), Great Basin Stemmed, and Black Rock Concave Base points, as well as crescents (Beck and Jones 1997, 2009). Current models of mobility indicate that Pre-Archaic groups traveled over large distances (Beck et al. 2002; Jones et al. 2003; McGuire 2002a; Smith 2010). Faunal analyses indicate that Pre-Archaic hunter-gatherers had a wide diet which included fish, waterfowl, marsh plants, insects, large game, and small game (Beck and Jones 1997; Eiselt 1997; Elston 1982; Goebel et al. 2011; Grayson 1988; Hockett 2007; Pinson 2007; Thomas 1970).

The Early Archaic (8,300- 5,000 cal BP) encompassed the end of the Early Holocene and all of the Middle Holocene which, as previously discussed, was a time of dramatic climatic shifts which climaxed with an extended period of warm temperatures and decreased precipitation. Layton (1970) argued that the HRC was temporarily adandoned in the beginning of the Early Archaic (late Calico Phase), but by its conclusion (early Silent Snake Phase), people had returned in growing numbers. During this period, hunter-gatherers adopted new technologies and strategies to cope with disappearing marshes and shifting resources (Layton 1970; McGonagle 1975).

With higher-ranked resources (e.g., large game) diminished or gone completely, groups relied more on lower-ranked foods (e.g., seeds). Danger Cave contained some of the earliest evidence for intensive seed processing in the Great Basin (Rhode et al. 2006). There, coiled basketry and milling stones appeared immediately following the Pre-Archaic, and by the peak of the Early Archaic, sites throughout the Great Basin exhibited evidence of intensive seed processing (Layton 1970; O'Connell 1975; Rhode 2008). Notched projectile points (Large/Northern Side-notched) and the atlatl were also introduced during the Early Archaic (Beck 1995; Elston 1982; Grayson 2011; Oetting 1994; Thomas 1981). Though Humboldt and Gatecliff Series projectile points appear during this period, these types persisted into the Middle Archaic and are coarse-grained temporal indicators (Oetting 1994).

To counter resource shortfalls during the Early Archaic, prehistoric groups may have formed a division of labor wherein women foraged for dependable plant foods and men hunted less predictable large game (Elston and Zeanah 2002). By the end of the Early Archaic, settlement patterns, which previously involved a high degree of residential mobility between resource rich locations, transformed to incorporate more logistical trips by men and/or women away from residential bases (Grayson 2011; O'Connell 1975). At High Rock Lake, McGonagle (1975) proposed that larger habitation sites would be found at lower elevations near reliable sources of water, while smaller sites produced during logistical trips would be found in all elevation ranges, but specifically at higher elevations when hunting was involved.

As groups were tethered to dependable resources, they covered less ground than Pre-Archaic populations (McGuire 2002a; Smith 2010). The first substantial residential

structures and storage pits in the northwest Great Basin are associated with the Early Archaic (Helzer 2004; Jenkins 2004; O'Connell 1975), while logistical forays away from these centralized locations meant that all areas of the BRD/HRC were exploited, some for the first time (Lohse 1980). McGonagle (1975) found that while the number of archaeological sites from this time increased at High Rock Lake, they were not found in abundance at higher elevations until the end of the Early Archaic, after the proposed abandonment of the region (Layton 1970). This same pattern of intensified upland occupation is also evidenced in neighboring areas (Beck 1984; Jones 1984; Leach 1988).

By the Middle Archaic (5,000-1,500 cal BP), a cooler and moister climate provided more hospitable conditions for humans in the BRD/HRC. During this time, people occupied the region in greater numbers than ever before (Layton 1970; Leach 1988; McGonagle 1975). Louderback et al. (2010) show this pattern with radiocarbon dates, and Bettinger (1999) illustrates a similar pattern with projectile point frequencies; however, as Surovell et al. (2009) caution, these types of measurements should be adjusted for taphonomic biases. Layton (1970) assigned this time period to the Silent Snake and Smokey Creek phases in the HRC. Sites in the region dating to this time include Silent Snake Springs (Layton 1970), Barrel Springs (Cowan 1972), Trego Hot Springs (Seck 1980), and Smokey Creek Cave (Layton 1966).

Groundstone continued to be used and Elko, Gatecliff, and Humboldt Series points were the dominant projectile point types (Oetting 1994; Thomas 1981). With improved environmental conditions, large game increased (Broughton et al. 2008) throughout the Great Basin, and groups in the HRC found a relative abundance of large game such as mountain sheep and mule deer (Elston and Davis 1979; Thomas 1970,

1972). At Massacre Lake, Leach (1988) found that groups increased their diet breadth by exploiting diverse resources. While seed processing continued, Middle Archaic hunter-gatherers relied more on large game than groups from previous periods (Broughton and Bayham 2003; Broughton et al. 2008; Carpenter 2002; Hildebrandt and McGuire 2002). McGonagle (1975) shows the Desert Hunting Tradition to be at its greatest development during this time in the High Rock Lake basin, and more points from this period (i.e., Elko Series) are found at higher elevations than in prior times.

A logistically mobile settlement pattern continued, as residential structures were constructed in places similar to those during the Early Archaic (Helzer 2004; Jenkins 2004; O'Connell 1975). Even though climatic conditions improved, Middle Archaic groups continued similar toolstone procurement strategies as Early Archaic groups, covering less area than Pre-Archaic groups. Hildebrandt and McGuire (2002) have proposed that logistical parties of men sought prestige via hunting, as a sexual division of labor was sustained throughout the Archaic (but see Broughton and Bayham [2003] for another perspective). However, even though the numbers of big game during this period increased men's overall return rates, it was women's overall return rates from foraging that formed the foundation of the group's diet (Zeanah 2004). In many areas of the Great Basin pinyon nut processing developed during the Middle Archaic, but this method of subsistence was not adopted in the BRD/HRC because pinyon pine never colonized the region (Nowak et al. 1994).

Population densities reached their highest during the Late Archaic (1,500 cal BP to contact) (Bettinger 1999; Elston 1982; Grayson 2011; Louderback et al. 2010). Originally, Layton (1970) and McGonagle (1975) observed a lull in human occupation of

the HRC at the end of the Middle Archaic; however, as I argue later, this may not have been the case. The remainder of the Late Archaic follows Layton's (1970) Hanging Rock and Last Supper phases. Notable sites from this period include Smokey Creek Cave (Layton 1966), Hanging Rock Shelter (Layton 1970), Last Supper Cave (Layton 1970), Serendipity Shelter (Leach 2001), and Yellow Rock Shelter (Moore 1992).

Regional cultural variation in the Great Basin peaked during the Late Archaic as seen by structured territories in the Owens River Valley (Bettinger 1982, 1989), high altitude villages in the White Mountains (Bettinger 1991), Fremont maize agriculture in Utah and far eastern Nevada (Simms 2008), wetland adaptive strategies around the Great Salt Lake (Simms 1999) and Carson Sink (Kelly 2001), and intensive pinyon nut processing (Thomas 1982). While new technologies such as the bow and arrow were adopted, Late Archaic groups in the BRD/HRC did not have extensive wetlands, the means/need for agriculture, pinyon harvesting and caching, or defended territorial boundaries. Artifacts diagnostic of this period include ceramics, hullers, mortars, and arrow points (Elston 1982; Grayson 2011; Kelly 1997), although none but the latter are found in any abundance in the BRD/HRC. Rosegate Series projectile points represent the initial introduction of the bow and arrow, and were later replaced by Desert Series (e.g., Desert Side-notched and Cottonwood) projectile points (Oetting 1994; Thomas 1981).

At High Rock Lake, McGonagle (1975) observed that the groups' ranges shrank during this time and, as seen elsewhere, big game hunting diminished during the Late Archaic as small game and plant foods increasingly dominated hunter-gatherer diets (Elston and Davis 1979; Elston 1986; Kelly 1997). Layton (1970) characterized the beginning of the Late Archaic as a time of sparse occupation and even temporary

abandonment by groups living in the HRC, with McGonagle (1975) backing this claim at High Rock Lake. Both proposed that this abandonment event was followed by the arrival of the Paiute around 700 cal BP. Many researchers (Bettinger and Baumhoff 1982; Kelly 1997; Lamb 1958; Madsen and Rhode 1994) claim that around 1,000 cal BP Numic-speaking hunter-gatherer groups moved from the southwest Great Basin in a northern and eastern direction, either replacing or intermixing with previously established groups. Detailed discussion of the expansion of Numic-speaking groups is beyond the scope of this study. Regardless of whether or not it was people, technologies, and/or ideas that entered the BRD/HRC at this time, Late Archaic people (or artifacts) moved greater distances than during the Early and Middle Archaic (McGuire 2002a; Smith 2010). In Surprise Valley, residential structures shifted from more substantial to less substantial houses, suggesting that groups relocated more frequently during the Late Archaic (O'Connell 1975). A similar pattern of increased residential mobility occurred to the north as well (Beck 1984; Jones 1984).

In summary, Great Basin hunter-gatherer lifeways (subsistence, resource procurement, mobility, settlement systems) continuously evolved over the past 13,000 years as climatic fluctuations created new and challenging obstacles. By broadening their diets, increasing use of uplands, and shifting group movement, hunter-gatherers were able to endure even the harshest environmental conditions, like those witnessed in the Early Archaic. These adaptations are evident at many sites throughout the BRD/HRC, and the composition of their assemblages and distribution, both temporally and spatially, is a confirmation for such developments.

Addressing the Issue of Scale

In archaeology, scale is an important concern that must be addressed. From the thinnest strata of sediment representing brief events to the grandest of regional theories explaining long-term changes, the context, questions, methods, and interpretations of a particular research interest must accommodate the conditions conveyed by the scale of the undertaking. In using individual sites (e.g., PCS, Hanging Rock Shelter, Silent Snake Springs, Smokey Creek Cave) as primary sources of evidence for regional patterns of human behavior, it is critical that the issue of scale be considered. To do so, I first discuss how spatial and temporal parameters have directed the goals and methods of a few exemplary studies in the Great Basin, followed by a brief explanation of how scale is considered in this study.

Previous Regional Studies

Early archaeological research in the Great Basin focused on the establishment of cultural chronologies. These timelines of prehistory were constructed through excavations at a few buried sites with stratigraphic integrity. These types of sites provide not only datable material but also floral and faunal remains with which to interpret past environments and human diets. While a necessary approach, using an individual site to assign ideas and themes to broader areas is not without issues. For example, Jennings's "Desert Culture Concept" was developed from the excavations at Danger Cave and subsequently applied throughout the Great Basin (Jennings and Norbeck 1955; Jennings

1957). Soon after, archaeologists noticed that this model did not hold true throughout time and space (Baumhoff and Heizer 1965; Davis 1966). Eventually, additional data increased the resolution with which archaeologists viewed the past and many researchers refrained from making broad assertions about the past, while narrowing their focus to more pragmatically sized areas of study.

Layton's (1970) study of the HRC is an early example of how archaeological goals and methods were conditioned by spatial and temporal scale. Layton defined the HRC as his area of study with the goal of constructing a cultural chronology for the region. To obtain a finely resolved record for the region, Layton gathered data from only a few well-documented excavated sites. The six phases of prehistory that Layton created (see Figure 1.2) were generally named after those sites that had the greatest occupation during each phase. In most cases, these sites were stratified and dated via radiocarbon or relative dating techniques such as typological cross-dating of projectile points and obsidian hydration (Layton 1970). Individually, each site may not have presented an entire record of prehistory, but collectively those sites provided a base to which later archaeologists could tie their own research (e.g., Lohse 1980; McGonagle 1975).

While Layton's goals of constructing a chronology for the HRC required large amounts of data from a few sites, later studies such as those carried out by Thomas (1973) and Bettinger (1977) in the Reese and Owens River Valleys, respectively, which sought to address the appropriateness of projecting the ethnographic record well into the past, required a different method of data collection. In both cases, stratified random surveys identified archaeological sites, primarily focusing on site function and location. While Thomas eventually excavated Gatecliff Shelter to create a chronology for the

Reese River Valley, the temporal resolution that Thomas and Bettinger employed did not initially necessitate extensive excavation. Instead, these researchers were primarily concerned with identifying where sites were located to determine if the seasonal round of ethnographic hunter-gatherers documented by Steward (1933, 1938) extended into deeper time (Bettinger 1977; Thomas 1973). More so than with Layton's research, individual sites from the Reese and Owens River Valley studies could not answer big-picture questions. Collectively, however, the dataset had the potential to address Thomas' and Bettinger's questions.

O'Connell's (1975; O'Connell and Hayward 1972) research in Surprise Valley is an example of how the spatial and temporal scale of a project must be tied to the questions asked by the researchers. O'Connell's work established a cultural chronology specific to Surprise Valley to address seasonal use of the landscape across time (O'Connell 1975), rather than relying on chronologies constructed elsewhere in the Great Basin. He accomplished this through intensive excavations at just a few sites, similar to Layton's (1970) HRC study, and pedestrian survey techniques analogous to Thomas' and Bettinger's methods. On opposite ends of the continuum, excavations gathered an abundance of information from a few sites, while survey provided limited data from many sites. Two different research questions were answered with very different methods of data collection, illustrating the importance of adjusting the goals and methods of archaeological research around the spatial and temporal scale in which the research question is framed.

The Current Study

Layton's (1970), McGonagle's (1975), Elston and Davis's (1979), and Lohse's (1980) studies of BRD/HRC prehistory provided a solid but now somewhat dated foundation for additional work in the region. My study builds upon their efforts and delivers new information to better understand how hunter-gatherers utilized the area during the Late Holocene. Just as Layton (1970) used a few key stratified sites to define periods of occupation in the HRC, results from excavations at PCS provide much needed data to fill in gaps in our knowledge of the region's prehistory. The finer resolution of data recovered at PCS allows for questions relating to specific onsite activities to be answered. Additionally, at a larger albeit coarser scale, the temporal/spatial distribution and nature of archaeological sites in the BRD/HRC is assessed for the first time in over three decades with the aid of GIS and additional archaeological research. By generating an updated overview of prehistoric land-use patterns in the region, information collected from PCS is incorporated into a broader context. Finally, using source provenance data from the XRF analysis of diagnostic projectile points from sites in the BRD/HRC, I characterize the extent of toolstone procurement (a proxy for socioeconomic interactions [i.e., mobility and exchange]) and how it may have varied diachronically.

Research Goals

The primary goal of this thesis is to test current interpretations of Late Holocene archaeology in the BRD/HRC. I accomplish this goal by placing PCS, a recently

excavated Late Holocene site, within the context of the region's prehistoric toolstone procurement and land-use patterns. To approach this subject I propose the following hypotheses based on the current environmental and archaeological interpretations from the BRD/HRC:

1) Differences in raw material preference should exist among various stages of reduction and tool classes as quality and proximity of toolstone were factors, but technological organization at PCS should not change across time;
2) Territorial ranges should expand post-1,500 cal BP as groups became more residentially mobile, and trade after this time should also increase as population densities peaked; and
3) Archaeological site assemblage diversity and richness should change overtime as mobility changed, and site locations should also change in response to changes in resource diversity and demography.

Chapter 2

Materials

Data I use in this study are divided into three parts: PCS materials, XRF materials, and regional site inventory. Data for the first part were acquired through the excavation, collection, and analysis of lithic and faunal assemblages from PCS. I chose artifacts recovered from PCS, Hanging Rock Shelter, Silent Snake Springs, and Smokey Creek Cave to undergo XRF analysis. Lastly, I gathers data from the 2010 Sundance Archaeological Research Fund (SARF) surveys of Paiute Lake (Fenner and Smith 2010) and the east arm of the BRD (Fenner and Smith 2011), and the Nevada Cultural Resource Information System (NVCRIS) to incorporate a regional site inventory to this study

I analyzed artifacts from PCS to reconstruct onsite activities there and I use those results to bridge gaps in BRD/HRC prehistory, while source provenance data illustrate the socioeconomic ties between the occupants of PCS and other groups in the region. I used the regional site inventory to provide an updated overview of prehistoric land-use patterns, as well as place PCS in a broader context. Together, I use these data to test the hypotheses I have put forth in Chapter 1 regarding the technological activities at PCS, toolstone procurement, and land-use strategies in the BRD/HRC.

Paiute Creek Shelter

Paiute Creek Shelter (26HU147 [CRNV-02-1677]) is located in the Black Rock Mountain Range, Humboldt County, Nevada (Figure 2.1). It was first recorded by Elston and Davis (1979) during their survey of the Lahontan Cutthroat Trout Study Area. The shelter is located at 1,415 m (4,640 feet) above mean sea level and gets its name from the adjacent spring-fed Paiute Creek, which flows southeast out of the mountains into the east arm of the BRD.

Paiute Creek Shelter is one of several rock shelters in the Paiute Creek drainage. Elston and Davis (1979) noted that the high number of shelters along Paiute Creek is atypical for the Black Rock Mountain Range. They suggested that PCS was the largest of those shelters and held the best potential for having a well-stratified cultural and environmental record comparable to Gatecliff Shelter and Last Supper Cave (Elston and Davis 1979:126), the premier archaeological sites of their day. Their conclusions were based on the presence of stratified alluvial and colluvial deposits in the shelter, which they claimed should have preserved the shelter's occupational history (Elston and Davis 1979:49).

During the Terminal Pleistocene/Early Holocene, discharge from Paiute Creek and possible overflow from pluvial Paiute Lake may have formed the shelter (Elston and Davis 1979). The creek and the shelter are cut into early Tertiary volcanic and sedimentary rock (Willden 1964). The shelter sits beneath a 15 m-high volcanic debris deposit consisting of pebble to boulder-sized clasts of volcanic rock, with 6-7 m between

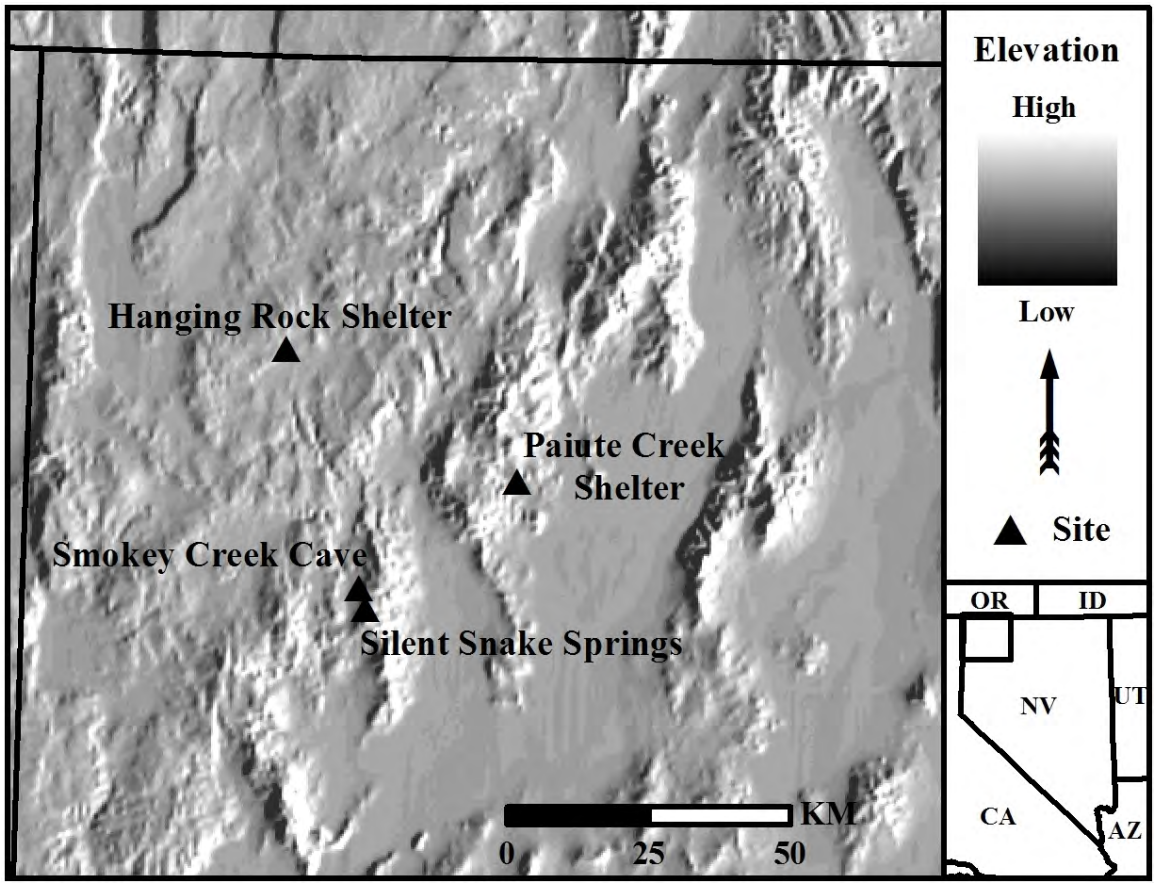


Figure 2.1. Locations of sites used in this study.

the current shelter floor and ceiling (Figure 2.2). The floor consists of dislocated clasts from the ceiling and walls, alluvial deposits from the nearby creek, and some colluvium from the southern slope above the shelter (Figure 2.3).

Lohse (1980:216) reported that looting had taken place at PCS sometime after 1978 when Elston and Davis first recorded the shelter, stating that PCS "require[d] immediate testing and/or excavation," and by 2006 when excavations began, looters had disturbed approximately 10 percent of the area within the dripline (Figure 2.4). Excavations at PCS were conducted during the summer of 2006 by a crew from the

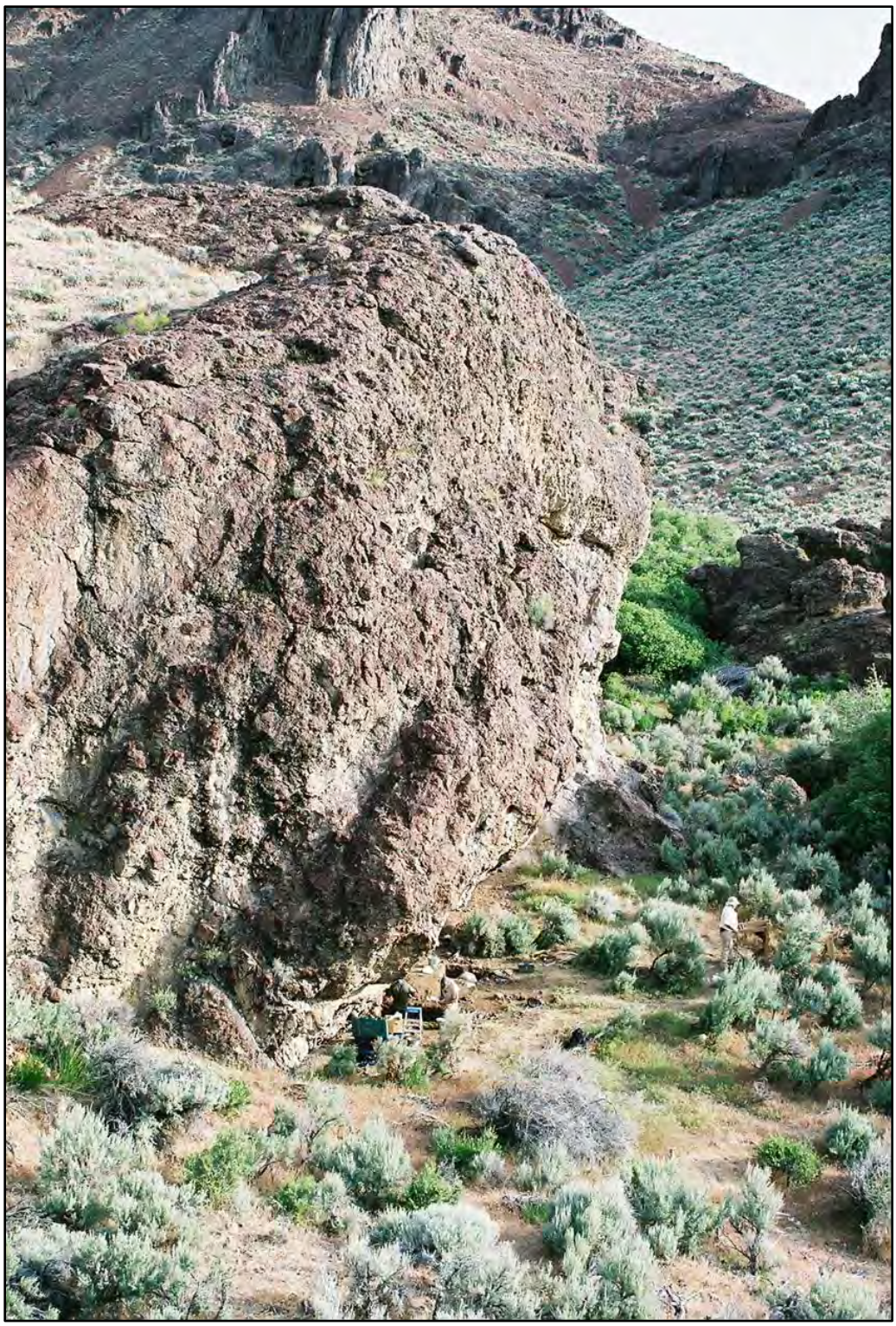


Figure 2.2. Extent of overhang at PCS, looking north and west up Paiute Creek Canyon.



Figure 2.3. Tall growth in canyon represents source of alluvium (Paiute Creek) and arrows indicate the origin of colluvium.

SARF at the University of Nevada, Reno, in cooperation with the Bureau of Land Management, Winnemucca Field Office, to examine the integrity of the site and evaluate its potential to contain the deeply stratified cultural deposits that Elston and Davis (1979) suspected were there.

Cultural material recovered from PCS includes projectile points, bifaces, flake tools, cores, groundstone, bone tools, and debitage; totals by component are summarized in Table 2.1. All projectile points, bifaces, flake tools, groundstone, and cores were analyzed using methods discussed in the subsequent chapter; however, due to the sheer number of flakes recovered from PCS, a sample of only 4.7% (n = 3,132) of the total

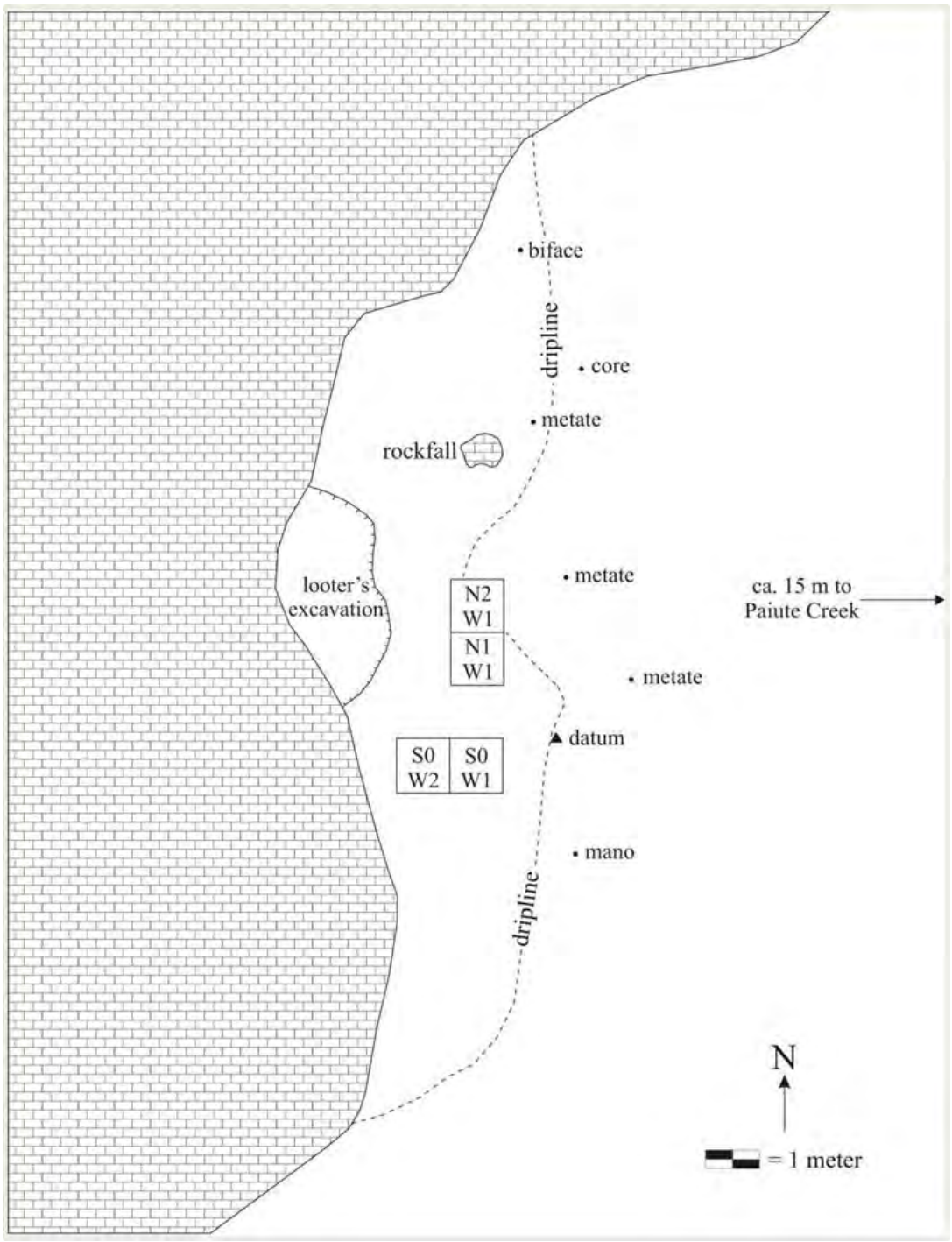


Figure 2.4. Planview of PCS.

Table 2.1. Summary of Artifacts by Component at PCS.

	Component				
Artifact	**1**	**2**	**3**	**4**	**Total**
Point	24	45	42	13	124
Biface	59	174	129	24	386
Flake Tool	29	79	44	16	168
Core	8	24	18	5	55
Groundstone	6	20	13	7	46
Debitage	9,970	25,306	25,309	6,131	66,716
Total	10,096	25,648	25,555	6,196	67,495

debitage was analyzed. Faunal material recovered from PCS number in the tens of thousands; a sample of it was analyzed by Schmitt (2008).

X-Ray Fluorescence Lithic Assemblages

X-ray fluorescence (XRF) is a method of source provenance analysis commonly used to identify the obsidian types represented in an archaeological assemblage. Resulting data are then interpreted to reconstruct mobility and/or toolstone procurement strategies. The HRC has a high density of obsidian sources; therefore, sites there typically boast high numbers of obsidian artifacts. For this thesis, obsidian artifacts from PCS, Hanging Rock Shelter, Silent Snake Springs, and Smokey Creek Cave were submitted for XRF analysis. These sites were chosen based on their contemporaneity with PCS and because of their prominence in Layton's (1970) HRC cultural chronology. The sites are briefly discussed here and a summary of the artifacts included in this study is provided in Table 2.2.

Table 2.2. Summary of Projectile Points Submitted for XRF Analysis.

Point Type	PCS	HRS	SSS	SCC	Total
Middle Period					
Northern Side-notched	-	2	1	-	3
Humboldt Concave Base	4	-	-	-	4
Gatecliff Contracting Stem	2	1	-	-	3
Gatecliff Split Stem	5	9	28	-	42
Gatecliff (other)	-	1	-	-	1
Elko Corner-notched	5	15	9	3	32
Elko Eared	12	32	2	10	56
Elko (other)	-	11	2	4	17
Dart (other)	-	5	-	-	5
Late Period					
Rosegate	13	22	5	6	46
Desert Side-notched	8	31	-	-	39
Cottonwood	4	26	-	-	30
Total	53	155	47	23	**278**

Note: PCS = Paiute Creek Shelter; HRS = Hanging Rock Shelter; SSS = Silent Snake Springs; SCC = Smokey Creek Cave.

Paiute Creek Shelter

In addition to the standard lithic analyses outlined in Chapter 3, a sample of obsidian artifacts from PCS were submitted for XRF analysis to gain a more robust understanding of toolstone procurement strategies at PCS and to determine if changes occurred across time. Between 2006 and 2012, three groups of artifacts were submitted to Craig Skinner at the Northwest Research Obsidian Studies Laboratory in Corvallis, Oregon for non-destructive XRF analysis. Submissions by Dr. Geoffrey Smith, Kristina Wiggins, and me totaled 233 artifacts, including 53 projectile points, 80 bifaces, 92 flakes, and eight cores. Because projectile points can have very different source profiles

(i.e., average transport distance, diversity) than other classes of artifacts (Eerkens et al. 2007; Smith 2009), it was important to analyze artifacts other than projectile points to provide a more complete picture of toolstone procurement strategies.

Hanging Rock Shelter

Hanging Rock Shelter (26WA1502) is located 46.6 km northwest of PCS (see Figure 2.1). During the summer of 1967, test units were dug by a crew from the Harvard-Nevada Expedition to assess the site's potential for cultural material (Layton 1967). The site was extensively excavated during the summer of 1968 by Layton (1970) through the Peabody-Nevada Expedition. Like PCS, Hanging Rock Shelter was created from a down-cutting creek within a canyon and formed in volcanic rock.

The stratigraphy of the site, as determined by Layton (1970), was composed of yellow, sub-organic, organic and white fleck, and manure strata (in ascending order). The stratigraphic distribution of projectile points and obsidian hydration measurements did not perfectly correlate to the regional cultural chronology of the HRC, but Layton concluded that Hanging Rock Shelter was visited between the earliest times of human presence in the BRD/HRC and the historic period. The organic layer at the site, which contained many Desert Side-notched and Cottonwood points, led Layton to name the HRC period from 650 cal BP to contact the Hanging Rock Phase. Hanging Rock Shelter contained projectile points, bifaces, drills, groundstone, an atlatl weight, bone tools, shell (e.g., *Olivella*, clamshell, and *Haliotis*), a few sherds of pottery (rare in the HRC),

perishable artifacts such as twined basketry, cordage, and pine nuts (from a tree taxon that has never grown in the HRC), debitage, and faunal remains (Layton 1970).

To gain insight into toolstone procurement patterns in the BRD/HRC, I submitted projectile points from Hanging Rock Shelter for XRF analysis. While it would have been ideal to submit multiple tool types (e.g., flakes and bifaces), the stratigraphic integrity of the site has not been adequately established. For example, artifacts from the historic period, possibly intrusive from looter activity, were excavated from the sub-organic stratum and Early Archaic points were found on the surface. For this reason, only projectile points complete enough to be typed using Thomas' (1981) Monitor Valley key were selected.

Hanging Rock Shelter contained 378 projectile points, but for this thesis I only sourced points made on obsidian that are contemporaneous with the occupations at PCS (n = 155). These include Northern Side-notched points (n = 2), Middle Archaic Gatecliff (n = 11) and Elko (n = 58) Series points, undifferentiable dart points (n = 5), and Late Archaic Rosegate (n = 22) and Desert (n = 57) Series points (see Table 2.2). A majority of the Middle and Late Archaic points originated from the sub-organic and organic strata, respectively; however, a few were recovered from the yellow stratum or of indeterminate provenience. Upon examining the Hanging Rock Shelter lithic assemblage at the Nevada State Museum, I noted that some points were already sourced and reported in Layton (1985). These data were added to results of the other points analyzed in this study.

Silent Snake Springs

Silent Snake Springs (26HU201) is an open-air midden site located 34.8 km southwest of PCS in the Calico Hills (see Figure 2.1). It was first sampled by the Harvard-Nevada Expedition in 1967 to determine its potential for cultural deposits (Layton 1967). In 1968, the Nevada Peabody Expedition returned to expand excavations. The site measures 60-x-60 meters and is located on a spring fed by runoff from Division Peak to the east (Layton 1970; Layton and Thomas 1979).

Clear and separate strata could not be determined within the thick black organic midden, so excavations proceeded in arbitrary six-inch intervals. A radiocarbon date of 5,300±380 ^{14}C years BP (~6,000 cal BP; WSU-994) was obtained on collagen from an animal bone. This date places the site's occupation around the end of the Early Archaic, and as such Layton (1970) called this period in the HRC the Silent Snake Phase. The primary projectile point types found at Silent Snake Springs were bifurcate stems, which Layton (1970) named Silent Snake and Bare Creek Series, Layton and Thomas (1979) called Pinto, and today are called Gatecliff (Thomas 1981). Elko Series projectile points were also recovered within the top 30 cm of deposits; however, only a few Rosegate Series and no Desert Series points were found, indicating that intensive occupations of Silent Snake Springs ceased around the beginning of the Middle Archaic (Layton 1970; Layton and Thomas 1979). Deposits at the site also contained bifaces, drills, bone awls, groundstone, and faunal remains, most of which were from large mammal such as mountain sheep, suggesting that Silent Snake Springs' primary function was that of a hunting camp (Layton 1970; Layton and Thomas 1979; Thomas 1970).

To assist in the goal of this thesis, which is in part to assess prehistoric toolstone strategies in the BRD/HRC, I chose projectile points from Silent Snake Springs for source provenance analysis. Like Hanging Rock Shelter, stratigraphy at Silent Snake Springs was not clearly defined enough to allow for undiagnostic artifacts (e.g., flakes and bifaces) to be sourced. A total of 73 projectile points representing mostly the late Early Archaic and early Middle Archaic were recovered at Silent Snake Springs. For this thesis only those made on obsidian and complete enough to be classified using Thomas' (1981) Monitor Valley key underwent XRF analysis (n = 47). These include Northern Side-notched (n = 1), Gatecliff (n = 28), Elko (n = 13), and Rosegate (n = 5) Series points (see Table 2.2).

Smokey Creek Cave

Smokey Creek Cave (26HU46) is located 33.6 km southwest of PCS and 3.8 km northwest of Silent Snake Springs (see Figure 2.1). It was initially recorded by a crew from the University of California, Davis and a test pit was excavated in 1964. During the summer of 1965, a small group excavated the site (Layton 1966). Another visit to Smokey Creek Cave took place in 1967 when the Harvard-Nevada Expedition led by Layton revisited the site to collect a larger faunal sample than from previous excavations (Layton 1967). Like PCS and Hanging Rock Shelter, Smokey Creek Cave was also cut into volcanic rock by intermittent stream action.

While strata were not defined in detail at Smokey Creek Cave, *in situ* proveniences of artifacts were recorded. Unfortunately Layton (1966) observed heavy

rodent burrowing and through the process of refitting broken artifacts determined that some objects were displaced at least 0.3 vertical meters and over two horizontal meters. Elko Series were the predominant projectile point type at Smokey Creek Cave, with few later points recovered. Based on dates for Elko Series points at other excavated sites in the HRC, Layton concluded that Smokey Creek Cave was occupied most intensively during the Middle Archaic. For this reason Layton (1970) designated this period of prehistory in the HRC the Smokey Creek Phase. Cultural deposits contained projectile points, bifaces, drills, unifaces, groundstone, bone tools, shell (e.g., *Olivella*, *Dentalium*, and *Haliotis*), a fragment of basketry, and faunal remains dominated by large mammals such as mountain sheep (Thomas 1968, 1970), indicating that Smokey Creek Cave was primarily used as a hunting camp (Layton 1966, 1970).

To assess Late Holocene toolstone procurement strategies in the BRD/HRC, I selected projectile points from Smokey Creek Cave for XRF analysis. The lack of stratigraphic integrity, similar the problem at Hanging Rock Shelter and Silent Snake Springs, did not allow accurate proveniences of undiagnostic artifacts from Smokey Creek Cave; thus, only projectile points made on obsidian and complete enough to be classified using Thomas' (1981) Monitor Valley key were submitted for characterization. Excavations of the site produced 104 projectile points; however, not all of the material recovered from Smokey Creek Cave can be found in the Nevada State Museum. The museum only houses the collections made by the 1967 Harvard-Nevada Expedition. Only 23 of the original 104 projectile points including Elko (n = 17) and Rosegate (n = 6) Series points were chosen for analysis (see Table 2.2).

Regional Site Inventory

To determine how PCS fits into broader land-use patterns in the BRD/HRC, I compiled a regional site inventory to identify spatial and temporal shifts in how the region was used. I identified an area of study using physiographic boundaries and distance from PCS that contained a variety of environmental settings (e.g., uplands and valleys). The area of study shown in Figure 2.5 includes much of the BRD (east and west arms), the entire Black Rock Range, and HRC uplands including the Calico Hills, High Rock and Parman Lake basins, and deeply-incised volcanic tablelands. The study area consists of 42 7.5-minute United States Geological Survey topographic quadrangles covering 6,150 km^2 (~1.5 million acres). While much of this area has not been surveyed for archaeological resources, nearly 50 years of work in the region has produced a large amount of data suitable for a regional study of prehistoric land-use.

NVCRIS

Most of the sites in the area of study are searchable via the Nevada Cultural Resource Information System (NVCRIS), created through the efforts of Nevada's State Historic Preservation Office. The system compiles site records from archaeological surveys conducted in Nevada and includes a relatively complete record of archaeological research in the state spanning almost 50 years.

Using NVCRIS to find archaeological site records is more time-efficient than collecting all of the reports for an area or by visiting each government agency that

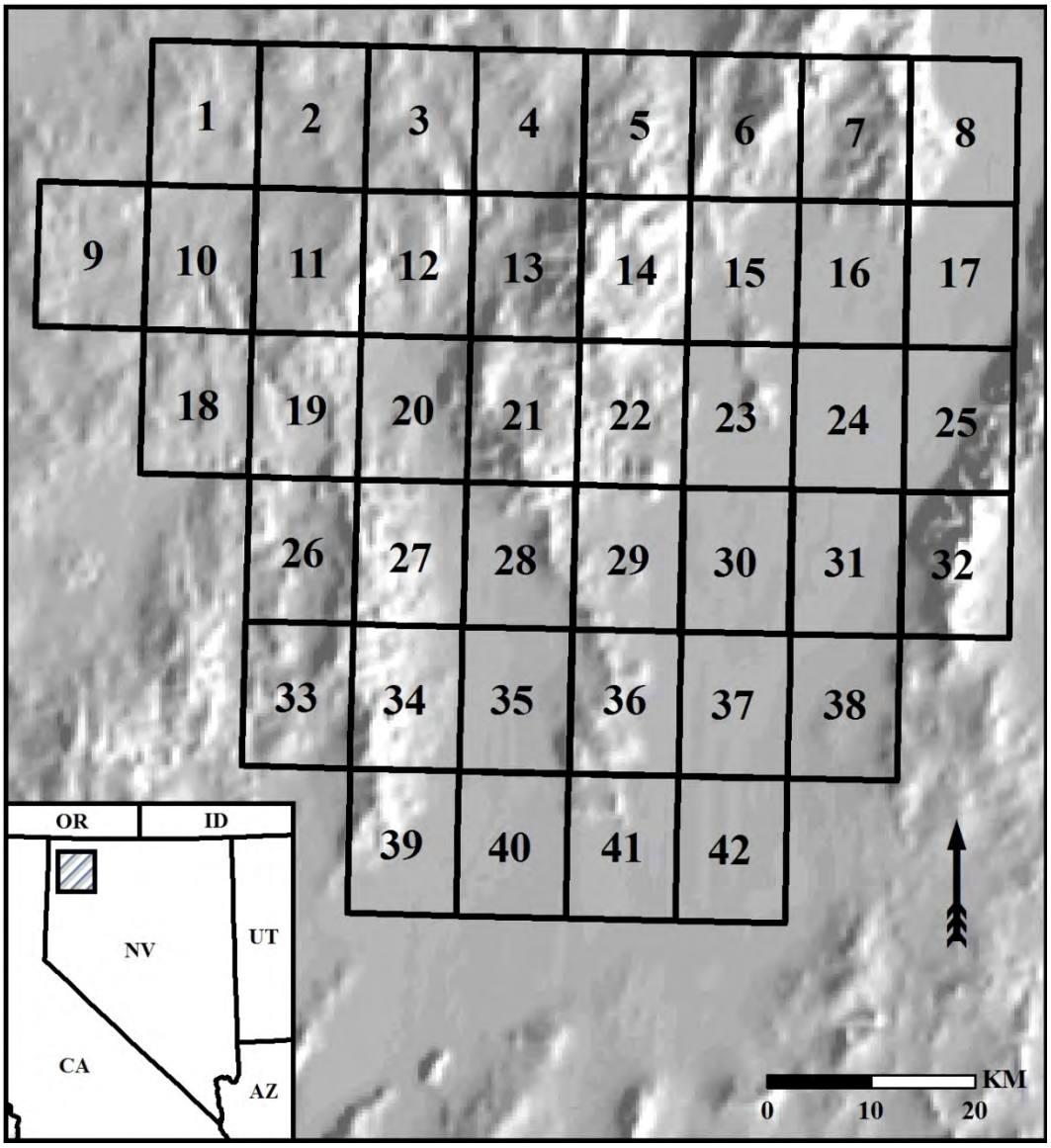


Figure 2.5. Study area included in the regional site inventory. USGS topographic quads are labeled: 1. Nut Mountain; 2. Badger Mountain Southeast; 3. Bear Buttes; 4. Summit Lake; 5. Idaho Canyon Spring; 6. New York Peak; 7. Bishop Peak; 8. Dyke Canyon; 9. Nellie Spring Mountain; 10. Yellow Hills West; 11. Yellow Hills East; 12. Soldier Meadows; 13. Red Mountain; 14. Burnt Springs; 15. Battle Creek Ranch; 16. Leonard Creek Slough North; 17. Deer Creek Slough; 18. Mahogany Mountain; 19. High Rock Lake; 20. Mud Meadow; 21. Big Mountain; 22. Paiute Meadows; 23. Pinto Mountain; 24. Leonard Creek Slough South; 25. Hobo Canyon; 26. McConnel Canyon; 27. Wagner Springs; 28. Clapper Creek; 29. Pidgeon Spring; 30. Crowbar Spring; 31. King Lear Peak Northwest; 32. King Lear Peak; 33. Division Peak; 34. Donnelly Creek; 35. Double Hot Springs; 36. Pidgeon Spring Southwest; 37. Pidgeon Spring Southeast; 38. Salt Water Spring; 39. Mormon Dan Peak; 40. Black Rock Point West; 41. Black Rock East; 42. Rabbithole Northeast.

manages land within the area of study and conducting traditional record searches. Many of the sites recorded in the BRD/HRC were identified and reported by several academic and agency-sponsored projects. Sources include Clewlow (1968), Cowan (1972), Elston and Davis (1979), Hester (1973), Layton (1966, 1967, 1970), Layton and Thomas (1979), McGonagle (1975), Smith and Goebel (2003), Smith et al. (2006), and reports on many smaller projects (e.g., fence lines, roads, pipe lines) by government agencies and cultural resource management firms. A total of 564 sites were available on NVCRIS and are reported in Appendix A along with their description, elevation, and artifacts associated with each site. Due to the confidential nature of site locations, specific coordinates are not included in the table, but are retained for analytical purposes. Figures 2.6 and 2.7 show the location of all archaeological sites within the area of study.

Previous Sundance Fieldwork

The NVCRIS is a work in progress and typically has a four-to-five year lag between the time a site is first recorded and when its record appears. For this reason, some of the most recent survey projects by the University of Nevada, Reno are not available online. The SARF has a history of archaeological work in the BRD/HRC (e.g., Smith 2006; Smith and Goebel 2003; Smith et al. 2006) and during the summer of 2010 a small crew continued these efforts in the east arm of the BRD and at pluvial Paiute Lake (Fenner and Smith 2010, 2011), both of which comprised attempts to locate Pre-Archaic archaeological sites. Survey in the east arm of the BRD covered ~645 acres and

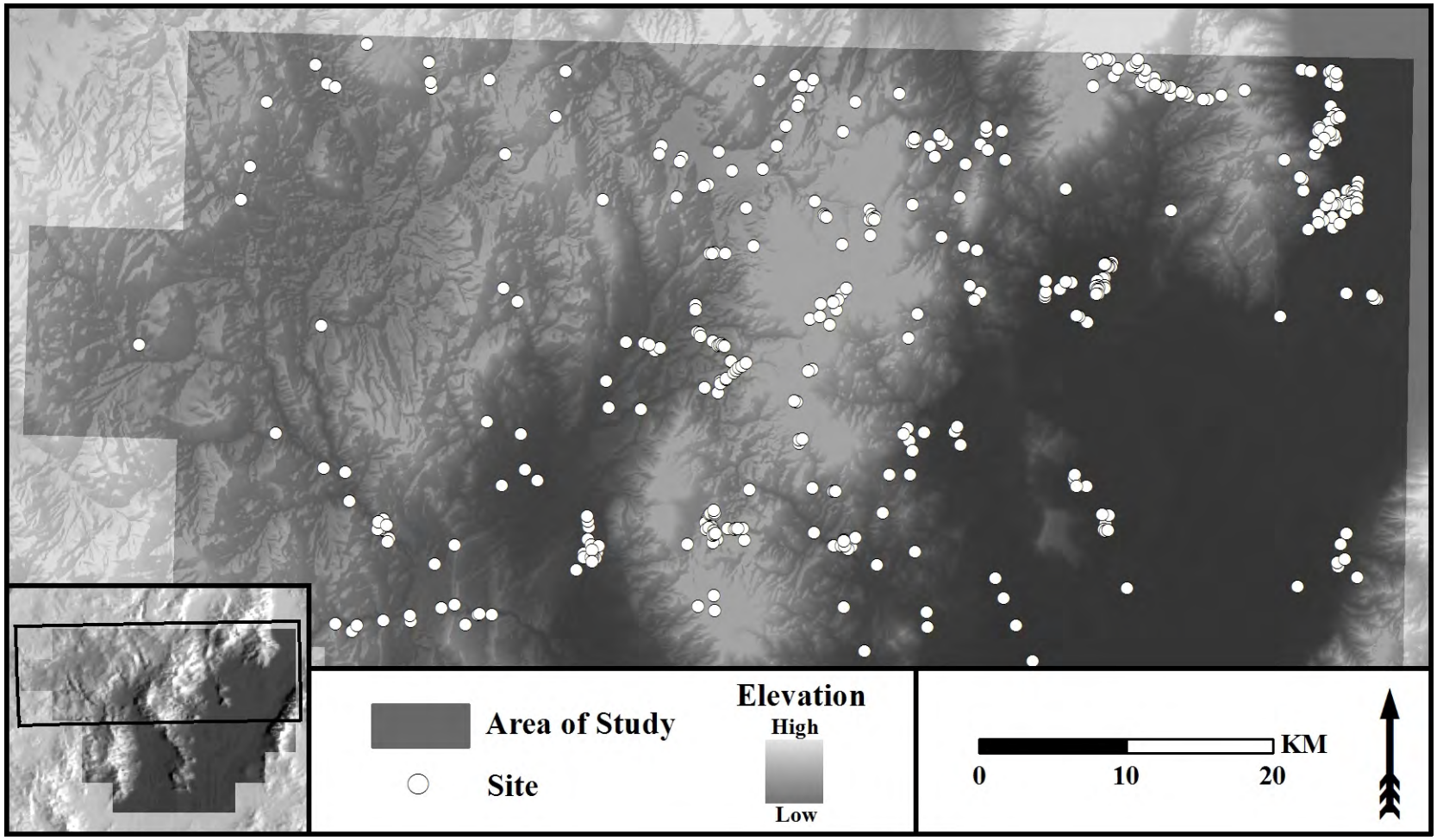


Figure 2.6. Location of Sites in the northern half of the area of study.

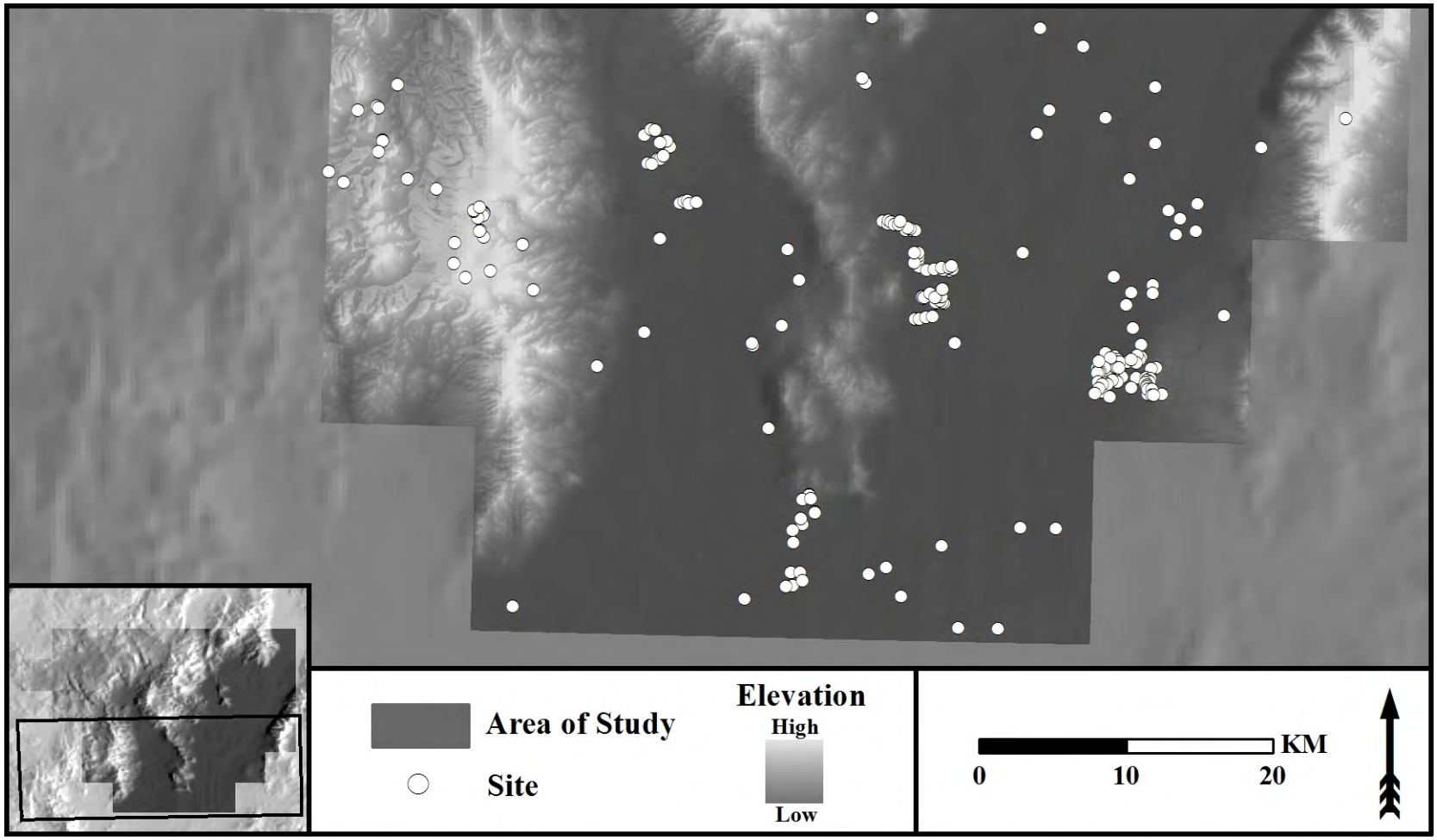


Figure 2.7. Location of sites in the southern half of the area of study.

identified 32 new sites (Fenner and Smith 2011). The Paiute Lake survey covered ~837 acres and identified 27 new archaeological sites (Fenner and Smith 2011).

Chapter 3

Methods

This chapter outlines the methods employed in this thesis including all steps of collecting, processing, and analyzing data. I present a brief summary of the fieldwork involved with excavations at PCS, followed by procedures utilized in the laboratory to identify, describe, and characterize the lithic assemblage. A summary of the integrative analyses employed includes XRF analysis, biface reduction curves, and statistical methods. Lastly, I outline the methods used in collecting and assessing the data retrieved for the regional site inventory.

Excavations at Paiute Creek Shelter

Paiute Creek Shelter was first recorded in 1978 by Robert Elston and Cameron Covington (Elston and Davis 1979). Between then and 1985 a number of Bureau of Land Management archaeologists visited the site on several occasions and reported minor looting, with the recommendation that PCS be tested for subsurface cultural deposits before any further destruction occurred (Lohse 1980: 216; evaluation forms from Pedrick [1984] and McGuckian [1985] available at BLM, Winnemucca Field Office). In 2006, a SARF crew conducted fieldwork at PCS to evaluate the condition of subsurface deposits at the site and recover data that could provide insight into the cultural significance of the shelter.

Four 1-m^2 units were excavated in two 1-x-2 m blocks (see Figure 2.4), a north block (N2W1 and N1W1) and a south block (S0W2 and S0W1), 2.0-2.6 m below the surface. Substantial lithic and faunal assemblages were recovered from these excavations, which progressed at 5 cm arbitrary levels within identifiable natural strata. When artifacts were encountered *in situ*, horizontal and vertical positions from the site datum were recorded. Artifacts discovered during screening were collected in level bags and separated into tools, debitage, and fauna. Ten radiocarbon dates were obtained on features and isolated charcoal recovered during excavations (Table 3.1) and indicate that PCS was occupied for much of the Late Holocene including the Middle and Late Archaic (i.e., Layton's [1970] late Silent Snake, Smokey Creek, and Hanging Rock phases). For analytical purposes strata were grouped into Components 1 through 4 based on radiocarbon dates, stratigraphic breaks, and the distribution of cultural material. Components, strata, and depth below datum are summarized in Table 3.2.

Table 3.1. Radiocarbon Dates (AMS) from PCS.

Unit	Sample No.	Material	Provenience	^{14}C BP Date
N2W1	Beta-222617	Feature 1 Fill (Charcoal)	Stratum 3: 67 cmbd	140±40 BP
	Beta-222516	Feature 5 Fill (Charcoal)	Stratum 4: 85 cmbd	310±50 BP
	Beta-227137	Isolated Charcoal	Stratum 4: 117 cmbd	480±40 BP
	Beta-234432	Isolated Charcoal	Stratum 4: 142 cmbd	1580±40 BP
	Beta-234433	Feature 6 Fill (Charcoal)	Stratum 4: 163 cmbd	3310±40 BP
S0W1	Beta-229068	Isolated Charcoal	Stratum 4: 99 cmbd	900±40 BP
	Beta-234430	Isolated Charcoal	Stratum 4: 115 cmbd	960±40 BP
	Beta-234431	Isolated Charcoal	Stratum 4: 140 cmbd	3630±40 BP
	Beta-229067	Isolated Charcoal	Stratum 5: 167 cmbd	4160±40 BP
	Beta-229066	Isolated Charcoal	Stratum 5: 178 cmbd	4170±40 BP

Table 3.2. Summary and Assignment of Strata and Ages to Components.

Component	Stratum	Depth (cmbd)	Age (cal BP)
1	1-3a	20-67	Present-200
2	4a, 4	67-102	200-850
3	4a, 4	102-152	850-1,450
4	4, 5, 6, 6a, 7	152-230	1,450-4,700

Laboratory Analysis

Once excavations were complete, the assemblage was stored in the prehistoric laboratory at UNR, where artifacts were cleaned and catalogued. Individual tools and artifacts recorded *in situ* were assigned separate accession numbers. Counts of debitage and faunal remains were tallied and each level bag received an accession number. Metric attributes (e.g., length, width, thickness, and weight) and non-metric attributes (e.g., raw material) for each artifact were measured using sliding calipers (accurate to the nearest mm) and a digital scale (accurate to the nearest tenth of a gram). All information was entered into a Microsoft Excel spreadsheet and tool classes were separated into individual spreadsheets for further analysis. Artifacts from PCS are housed in the UNR Anthropology Research Museum.

Descriptive Analysis

Lithic Raw Material

Raw material was identified visually for every lithic artifact. Four categories of raw material were used: (1) obsidian; (2) fine-grained volcanics (FGV) (i.e., basalt, rhyolite, andesite, and dacite); (3) crypto-crystalline silicates (CCS) (i.e., chert, flint, chalcedony, and jasper); and (4) miscellaneous raw materials which did not occur with great frequency at PCS (e.g., quartz, quartzite, and petrified wood). A sample of obsidian artifacts were selected for XRF analysis, a geochemical technique which further differentiates between obsidian types and discussed in greater detail later in this chapter.

Debitage Analysis

Debitage refers to unmodified pieces of raw material removed from an objective piece during the reduction process (Andrefsky 2005). A basic debitage typology developed by SARF was used for this study. This typology considered four characteristics of each flake: (1) weight; (2) cortex; (3) flake portion; and (4) platform type. These attributes provided a general understanding of the point in reduction at which the debitage was discarded, and thus is a method to measure the lithic tool production strategies employed at PCS (Ahler 1989; Andrefsky 2001, 2005; Odell 2004; Shott 1994).

An analysis of all 69,673 pieces of debitage recovered from PCS, while comprehensive, would have been extremely time consuming and results would not have likely differed greatly from those obtained through sampling. Therefore, approximately 4.7% (n = 3,132) of the total amount of debitage was analyzed. Several 5-cm level bags from each component were chosen based on the number of pieces of debitage contained in each, while maintaining a relatively similar frequency of debitage analyzed to the actual pieces present within each component. Vertical distribution within the site's deposits was also taken into consideration and those level bags chosen were spaced evenly throughout the deposits to avoid clustering.

Weight. The weight of each piece of debitage was measured to the nearest 0.1 g using a digital scale. Flakes weighing less than 0.1 g were recorded as 0.1 g for analytical purposes. The weight of individual pieces of debitage has been directly correlated to the stage of lithic reduction (i.e. heavier flakes result from early stages of reduction, while lighter flakes result from later stages) (Ahler 1989; Odell 2004; Shott 1994).

Cortex. Cortex is the natural surface of a raw material that has been weathered by mechanical and chemical processes, producing a texture and color different than that of the interior (Andrefsky 2005). For this study, I recorded cortex as present or absent. Because flakes produced during early stages of reduction more often have cortex and flakes discarded during later stages of reduction more often lack cortex, comparing the frequency of flakes with and without cortex helps to differentiate earlier and later reduction episodes (Ahler 1989; Andrefsky 2001, 2005; Odell 2004).

Flake Portion. Due to the number of factors that affect debitage after initial discard (Rasic 2004), flakes may seldom be whole upon excavation. Based on the anatomy of a flake, specific portions hold unequal amounts of information (Andrefsky 2005). I recorded flake portion as whole (i.e., complete flake), proximal (i.e., intact platform, but no body and/or terminus), medial/distal (i.e., no platform, but flake fragment), and shatter (i.e., no distinguishable characteristics such as a platform, bulb of percussion, cortex, or ripple marks).

Platform Type. Located on the proximal end of a flake, the platform is the place where the flake was struck to remove it from a core. Platform type is determined from the number of facets, which are made by preparing the platform for the removal of a flake. As lithic reduction progresses, the amount of preparation given to the removal of flakes increases (Andrefsky 2005). For this study, platform type was identified as: (1) simple – one facet (i.e., little to no preparation); (2) complex – two or more facets (i.e., preparation evident); (3) indeterminate – platform either incomplete or too small to determine; and (4) missing – medial/distal flake fragment or shatter.

Core Analysis

The term core refers to the sometimes amorphous but modified piece of raw material used as a transportable package for which flakes and flake blanks can be removed for the purpose of immediate use or further reduction into tools (Andrefsky 2005). Cores at PCS were weighed and measured so that a standardized value of size could be established.

Maximum Linear Dimension. The maximum linear dimension is the greatest distance between any two points on the core, and was measured to the nearest millimeter.

Size Value. Size value was calculated by multiplying the core's weight by its maximum linear dimension. Because cores vary in shape, this is a consistent measure of size (Andrefsky 2005).

Tool Analysis

Lithic tools from PCS were identified and categorized into two classes: bifaces and flake tools. A biface is defined as a two surfaced tool with flakes removed from both surfaces resulting in a formed edge (Andrefsky 2005). This tool class was further divided into hafted (i.e., projectile points) and unhafted bifaces. Flake tools are defined as flakes that have been modified into tools such as scrapers and retouched flakes. These tool types and associated subclasses are further defined below along with terminology used to measure and characterize them.

Hafted Biface. Hafted bifaces (e.g., projectile points) are bifacially worked tools that possess hafting elements (e.g., shoulders, notches, stems).

Pre-Archaic Projectile Point. While PCS did not contain a Pre-Archaic component, these types of points have been found throughout the study area. A variety of point styles have been found at Pre-Archaic sites including Great Basin Stemmed Series, Black Rock Concave Base, and Western Fluted points. Crescents, another type of biface, are also diagnostic of Pre-Archaic sites in the BRD/HRC. Additional details

regarding their classification and characteristics are provided by Beck and Jones (1997, 2009).

Northern Side-notched Projectile Point. Northern Side-notched points are shouldered with proximal shoulder angles (PSA) > 150°. They weigh > 1.5 g and have basal width/maximum width ratios < 0.90 (Thomas 1981).

Humboldt Concave Base Projectile Point. Humboldt Concave Base points are usually lanceolate in shape and lack shoulders or notches. They measure ≥ 3 cm in length, ≥ 4 mm in thickness, weigh > 1.5 g, possess basal indention ratios (BIR) < 0.98, and have basal width/maximum width ratios ≤ 0.90 (Thomas 1981).

Gatecliff Contracting Stem Projectile Point. Gatecliff Contracting Stem points possess corner notches and PSAs ≤ 100° (or notch opening indices ≥ 60°). They weigh > 1 g and have BIR < 0.97 (Thomas 1981).

Gatecliff Split Stem Projectile Point. Gatecliff Split Stem points share the same dimensions as Gatecliff Contracting Stem points; however, they have BIR ≥ 0.97 (Thomas 1981).

Elko Corner-notched Projectile Point. Elko Corner-notched points possess corner notches and PSAs between 110° and 150°. They exhibit basal widths > 1 cm and BIR > 0.93 (Thomas 1981).

Elko Eared Projectile Point. Elko Eared points exhibit similar characteristics to Elko Corner-notched points, but they have BIR ≤ 0.93 (Thomas 1981).

Rosegate Series Projectile Point. Rosegate Series points possess corner notches and PSAs between 90° and 130°. They have basal widths ≤ 1 cm and neck widths measuring at least 0.5 mm less than the basal width (Thomas 1981).

Desert Side-notched Projectile Point. Desert Side-notched points have side notches and PSAs < 130°. They weigh ≤ 1.5 g and have basal width/maximum width ratios > 0.90 (Thomas 1981).

Cottonwood Projectile Point. Cottonwood points are typically triangular or leaf-shaped, lack shoulders or notching, measure < 3 cm long, < 4 mm thick, and weigh ≤ 1.5 g. Cottonwood Triangular points have basal width/maximum width ratios > 0.90, while Cottonwood leaf-shaped points have rounded bases with maximum width positions > 15% (Thomas 1981).

Undiagnostic Projectile Point. Undiagnostic points refer to hafted biface fragments that can be identified as having once been a projectile point, but are broken and/or missing the critical information (e.g., PSA, basal width, maximum width) needed to classify them using Thomas's (1981) Monitor Valley key.

For a few specimens, the exact projectile point type could not be determined; however, using the dart-arrow index described by Hildebrandt and King (2012), hafted bifaces with maximum thickness and complete neck width were classified as either a dart or an arrow point. For the purposes of this study, in which the Middle and Late Archaic are separated for analytical and statistical reasons, a division between dart and arrow point is sufficient. The dart-arrow index was determined by adding the point's maximum thickness to its neck width. Points with dart-arrow index values < 11.8 mm were considered arrow sized, while points with values ≥ 11.8 mm were considered dart sized (Delacorte 1997; Hildebrandt and King 2012).

Unhafted Biface. Unhafted bifaces refer to tools that have been worked on both sides but lack hafting elements (e.g., notches, stems, shoulders). This tool type was further classified into stages of reduction (2 through 5) outlined by Andrefsky (2005).

Stage 2 Biface. A stage 2 biface has flakes removed from around the edge with a few across the midline. If manufactured from a cobble, cortex may be present in the center of the dorsal face of the biface. Complete stage 2 bifaces have width/thickness ratios between 2.0 and 4.0 (Andrefsky 2005).

Stage 3 Biface. A stage 3 biface has flakes removed to the center on both sides of the biface. If manufactured from a cobble, cortex is mostly removed by this stage of reduction. Complete stage 3 bifaces have width/thickness ratios between 3.0 and 4.0 (Andrefsky 2005).

Stage 4 Biface. A stage 4 biface has broad flakes removed from across each side. It has a flat cross-section and lacks cortex. Complete stage 4 bifaces have width/thickness ratios between 4.1 and 6.0 (Andrefsky 2005).

Stage 5 Biface. A stage 5 biface is considered finished and has a flat cross-section with refined trimming around the edges. Complete stage 5 bifaces have width/thickness ratios between 4.1 and 6.0 (Andrefsky 2005).

Flake Tools. Flake tools are defined as tools manufactured on flake blanks and worked only on one side. The defining features of a flake (e.g., platform, bulb of percussion) may not remain if the tool has been modified extensively. Nevertheless, if a dorsal and/or ventral surface can be identified, then the specimen is considered a flake tool (Andrefsky 2005). Several attributes of flake tools from PCS were recorded

including weight, maximum linear dimension, platform type, amount of cortex, edge units, and edge use index.

For all tool classes, weight was measured with a digital scale to the nearest 0.1 g and other dimensions (i.e., length, width, thickness) were measured with sliding calipers to the nearest millimeter. For biface fragments, dimensions were noted as being incomplete if applicable. Attributes recorded specifically for unhafted bifaces include the following:

Maximum Length. The maximum length of a biface was considered the greatest distance between the distal and proximal ends of the tool.

Maximum Width. The maximum width of a biface was considered the greatest distance between the lateral margins of the tool.

Maximum Thickness. The maximum thickness of a biface was considered the greatest distance between the two faces of the tool.

Width/Thickness Ratio. The width/thickness ratio was calculated as the maximum width of each biface divided by its maximum thickness. For specimens with incomplete widths and/or thicknesses, this ratio was not taken into consideration when determining the reduction stage of the biface.

Additionally, the following attributes were also recorded for hafted bifaces: proximal shoulder angle, neck width, basal width, basal width/maximum thickness ratio, longitudinal axis, basal indentation ratio, and notch opening index. Details regarding these measurements are found in Thomas (1981).

Attributes recorded specifically for flake tools include the following:

Maximum Linear Dimension. The maximum linear dimension is the greatest distance between any two points on the flake tool.

Platform Type. Platform type refers to the platform of the flake blank in which the flake tool was manufactured. If present, platform type was recorded as simple or complex.

Cortex. The amount of cortex present on the dorsal side of flake tools was characterized using four groups based on the amount of cortex present: none (0%); some (0-50%); majority covered (51-99%); and completely covered (100%). Due to small counts within certain groups, cortex was ultimately simplified to presence or absence.

Edge Unit. Using a modified axial edge use table (Figure 3.1) based on Surovell's (2003) study, each flake tool was divided into eight edge units. Retouch (e.g., edge use) within each edge unit was recorded as present, absent, or missing (if the flake tool was incomplete).

Edge Use Index. The edge use index was calculated as the number of edge units with retouch divided by the number of available edge units. This value can range from 0.0 to 1.0, where a value of 1.0 signifies complete margin retouch.

Groundstone Analysis

Groundstone refers to stone that has been abraded or ground, usually to grind seeds. Groundstone tools could be pecked and/or shaped to create a transportable tool or to prepare the grinding surface. Seed processing equipment at PCS included manos and metates and use-wear was measured to determine the degree of utilization (Adams 2002).

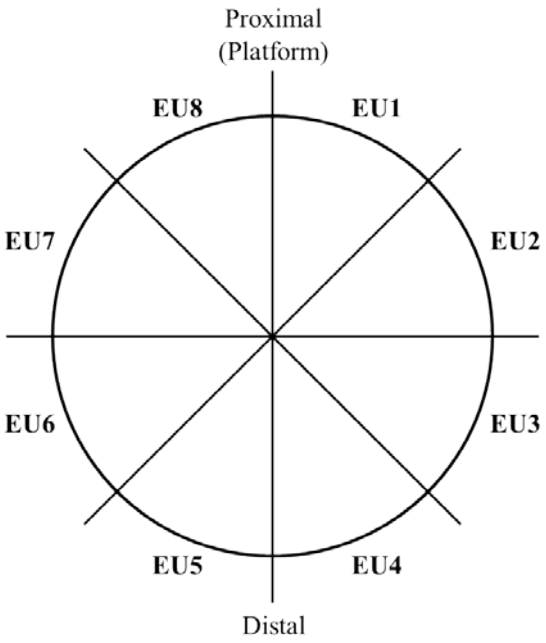


Figure 3.1. Axial edge use table adapted from Surovell (2003).

Mano. A mano is a hand held piece of ground stone typically used to grind plant material against a milling slab/stone, called a metate.

Metate. A metate is a portable or non-portable milling stone against which plant materials were ground using a mano. Depending on style and use, the ground surface of metates can range from flat to dished.

Use-wear. Use-wear measures the degree of utilization of groundstone. This was classified using an ordinal scale with three categories: light (i.e., very little use-wear); moderate (i.e., obvious use-wear); and heavy (i.e., extensive use-wear).

Integrative Analysis

In the following segment, I discuss the integrative methods employed to support arguments made in the subsequent chapters, including XRF analysis, biface reduction curves, and statistical analyses. For comparative purposes both within PCS and on the grander regional scale, three broad temporal periods were developed. The Early Period (13,000-8,700 cal BP) is not present at PCS, but sites throughout the BRD/HRC which date to this time period possess projectile points diagnostic of the Pre-Archaic (e.g., Great Basin Stemmed, Western Fluted, Black Rock Concave Base). Middle Period (8,700-1,500 cal BP) sites possess projectile points diagnostic of the Early and Middle Archaic (e.g., Northern Side-notched, Humboldt Concave Base, Gatecliff and Elko Series), with only the latter period represented at PCS. Lastly, the Late Period (1,500 cal BP to contact) correlates to the Late Archaic. Sites from this period contain Rosegate, Desert Side-notched, and/or Cottonwood projectile points. At PCS, the Middle Period is represented by Component 4 while the Late Period is represented by Components 1–3.

X-Ray Fluorescence Analysis

X-ray fluorescence (XRF) is a type of source provenance analysis commonly used to identify the obsidian types represented in archaeological assemblages. This technique measures the abundance of trace elements within an artifact. Ratios of these elements are correlated with those of samples from known geologic sources from which they were acquired (Hughes 1984). The distances and directions that prehistoric groups travelled

can be determined by linking artifacts at archaeological sites to their geologic origins, enabling researchers to reconstruct aspects of prehistoric behavior including mobility and toolstone procurement strategies. Binford (1979) stated that toolstone procurement was typically embedded within other subsistence activities. Therefore, source provenance data can provide an estimation of the foraging area/territory or trade patterns of prehistoric groups (Jones et al. 2003).

Obsidian projectile points from PCS, Hanging Rock Shelter, Silent Snake Springs, and Smokey Creek Cave were submitted to Craig Skinner at the Northwest Research Obsidian Studies Laboratory and Richard Hughes at Geochemical Research Laboratory for XRF analysis. By combining data from these sites, I developed a regional model of mobility and toolstone procurement for the Middle and Late Periods of prehistory in the BRD/HRC (see chapters 4 and 5). While source provenance data from projectile points provide an estimate of the maximum prehistoric foraging area (Jones et al. 2003), Eerkens et al. (2007) caution that source provenance data from debitage can provide a very different picture than those provided by projectile points alone. To gain a more robust understanding of toolstone procurement strategies at PCS, a sample of obsidian flakes, cores, and bifaces were submitted for XRF analysis. Ideally, a sample of similar artifacts from the three other sites would have provided an even greater understanding of toolstone procurement strategies in the BRD/HRC; however, as outlined earlier, poor stratigraphy at those sites prevented their inclusion here.

I evaluated source provenance data using several measures and statistical tests to identify diachronic patterns in toolstone procurement. At PCS, source provenance data from flakes, cores, bifaces, and projectile points were compared to one another and

between components. On a broader scale, projectile point sourcing data from PCS, Hanging Rock Shelter, Silent Snake Springs, and Smokey Creek Cave were examined both individually and combined to identify site specific and regional patterns in toolstone procurement. Average transport distance and diversity were calculated for each assemblage. The number of artifacts made on local versus non-local obsidian was also recorded using an arbitrary division between the two categories of 20 km – resulting in a 40 km roundtrip which could be travelled within one day assuming a 5 km/hour pace.

I calculated artifact transport distances as straight line distances between the sources identified through XRF analysis and the site at which artifacts made on those sources were recovered. Because most obsidian sources have multiple, sometimes widespread, exposures on the surface, the closest known location where obsidian is available was used in calculations of transport distance. As the data are not normally distributed since local sources generally dominate samples, standard ANOVA and t-tests were not used to identify significant differences between mean transport distances. To circumvent this issue, bootstrapping was employed. Following Eerkens et al. (2007), this statistical method calculated the average artifact transport distance by drawing a set number (e.g., 1,000) of random samples and then averaging them, so to determine if the differences in means between two groups were significant.

I also calculated the diversity of toolstone sources present in each assemblage. If all assemblages contained equal sample sizes, then simply counting the number of sources present would provide the diversity of those groups. However, assemblages with unequal sample sizes cannot be directly compared because larger samples are generally more diverse simply because there is a greater chance that rarer sources will be

represented in them (Grayson 1984). Bootstrapping accounts for this issue by drawing a set number (e.g., 1,000) of random samples equal in size to the smaller of the two assemblages, counting the number of sources in each sample, and averaging these values. Bootstrapping also determines if diversity values between two groups differ significantly.

Biface Reduction Curves

Researchers have long argued that bifaces have served as multifunctional tools well-suited for mobile hunter-gatherers because they maximize edge area by minimizing weight (Andrefsky 2005; Hayden et al. 1996; Kelly 1988; Nelson 1991; Parry and Kelly 1987). Since prehistoric groups in the BRD/HRC travelled by foot and would have had strict constraints on the weight of items that could be carried, bifaces may have provided a solution to this dilemma. While they have been suggested as good sources of expedient flakes (Kelly 1988; Parry and Kelly 1987), bifaces are not as efficient in this manner as amorphous cores; however, they may have longer use-lives (Praciunas 2007). To reduce weight and prevent the need for a return trip in case of breakage during production, bifaces were typically reduced to later stages of manufacture at quarries (Andrefsky 2005; Beck et al. 2002; Hayden et al. 1996; Johnson 1989; Jones et al. 2003). As confirmation of their utility, bifaces were reworked and resharpened until broken, lost, or utilized to their fullest potential. Bifaces made on local raw material were usually discarded and replaced upon breaking, while those bifaces made on more distant raw material were recycled, showing evidence of retouch and repair (Andrefsky 2008; Kelly 1988).

By classifying bifaces from PCS into reduction stages, biface reduction curves could be constructed. This representation can illustrate patterns of tool production and helps to characterize the technological activities that took place at PCS. Thomas (1983) proposed hypothetical biface reduction curves to distinguish ideal technological strategies at particular sites (Figure 3.2). An ideal quarry curve is present in an assemblage dominated by early stage bifaces. In this situation, later stage bifaces have been transported away from the site after initial preparation, leaving early, unfinished, or broken bifaces behind. By contrast, an ideal repair curve is present in an assemblage dominated by late stage and finished bifaces. In this situation, most bifaces have been retouched and/or repaired. Lastly, an ideal biface reduction curve exists when all stages of biface manufacture are equally present at a site (Thomas 1983).

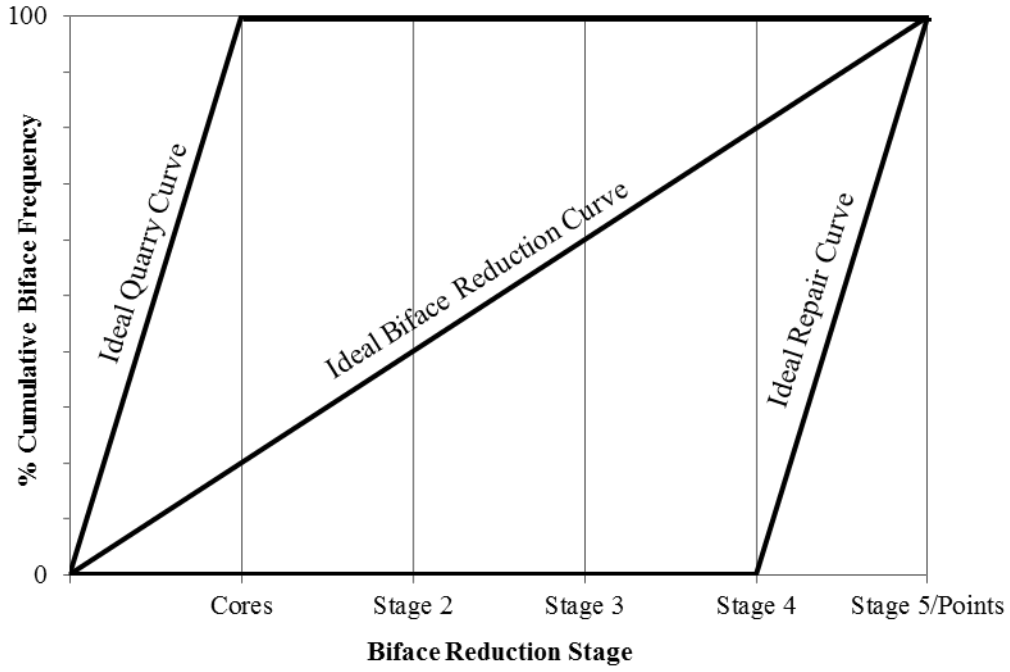


Figure 3.2. Ideal biface reduction curves (Thomas 1983).

In the reduction curves created for PCS, cores were treated as the initial stage of reduction and projectile points were combined with stage 5 (finished) bifaces. Curves were created for each raw material and component to characterize trends in biface manufacture at the site.

Statistical Analysis

Data were analyzed using SPSS version 20. Basic functions of Microsoft Excel also provided descriptive statistics such as counts, means, and frequencies. Comparative statistics used through the SPSS program included chi-square, Fisher's exact test, t-tests, Analysis of Variance (ANOVA), Spearman's Rho, and Pearson's correlation. Chi-square tests were used to identify significance in patterns observed among the data. In cases of small or highly uneven samples, a Fisher's exact test was employed. Means between two groups were compared using standard t-tests, while comparing means of three or more groups required ANOVA tests. Spearman's Rho and Pearson's correlation were employed to assess relationships between two sets of data.

Geographical Information System

A Geographical Information System (GIS) is an interactive computer program that allows users to view and manipulate spatial data to identify relationships and patterns. In this study, I employed ArcMap© version 10 to analyze data retrieved from

the regional site inventory. Below, I discuss how I used GIS in my analysis of the regional site inventory, site distribution, and identification of land-use patterns.

Site Inventory

Once the area of study was established (see Chapter 2), site forms were systematically downloaded from the Nevada Cultural Resource Inventory System (NVCRIS). Key information was retrieved from each site form including site number (trinomial), location (UTM coordinates), site type (e.g., lithic scatter, rock shelter), elevation, and artifact types present (e.g., debitage, projectile points, unhafted bifaces, miscellaneous tools). Sites that contained diagnostic projectile points were assigned to the time period(s) to which they belonged (i.e., Early, Middle, or Late). Data were entered into a Microsoft Excel spreadsheet and saved as a CSV (comma delimited) file, which was imported into ArcMap where it was projected and exported as shapefiles.

Site Distribution

Recognizing how archaeological sites were distributed within the area of study provided insight into prehistoric settlement systems in the BRD/HRC. ArcMap has several tools to determine the degree of clustering in a given set of features (e.g., nearest neighbor, spatial autocorrelation). The validity of these results relies on the assumption that the features were indiscriminately collected. Because the region has not been completely inventoried and sites in this study are an accumulation of 50 years of

archaeological survey projects, it appeared upon initial observation that sites bunched according to survey areas. To test this observation, sites associated with specific survey projects were labeled in ArcMap and a spatial autocorrelation function was executed. This determined the degree to which sites were clustered in the area of study and revealed whether or not these distributional patterns were the result of survey biasing.

Site Function

Additional data including site dimensions, raw material preference, and artifact counts were gathered from site forms for sites that could be assigned to particular time periods. Artifacts were grouped into six categories: debitage, cores, flake tools, unhafted bifaces, projectile points, and groundstone. These attribute data were used to identify site functions by employing richness, diversity, and evenness measures.

Richness refers to the number of tool types present within a given assemblage (Rhode 1988). As richness was only measured for those sites assigned to time periods, values ranged from 1 (e.g., only projectile points present) to 5 (i.e., the maximum number of possible tool types present).

Diversity refers to the number of tool types present (richness) and their relative abundance within a given assemblage (Rhode 1988) – the more even the counts of each tool type, the higher the diversity value. This was measured with the Shannon Diversity Index (see below). A value of 0.0 was achieved when only one tool type was present:

Shannon Diversity Index: $H' = -\sum_{i=1}^{R} n_i * \ln(n_i)$

where: n_i = the relative number of the i^{th} type

R = the number of types (richness)

Evenness measured the degree of uniformity across tool types (Rhode 1988) using the evenness index (see below). Values ranged from 0.0 (i.e., one tool type dominates the assemblage) to 1.0 (i.e., all tool types had equal counts):

Evenness Index: $E' = {}^{H'}/_{\ln(R)}$

where: H' = the Shannon Diversity Index

R = the number of types (richness)

Characterization of Prehistoric Land-Use

Lastly, to identify any possible relationships between site function and position on the landscape, additional attributes of the physical location of each site were acquired through ArcMap. These data include elevation, slope, and onsite vegetation community. While newer land management standards require that these attributes be recorded for each site, this information was seldom provided on older site forms. User error in the field might have also affected the accuracy of such data. For these reasons, elevation, slope, and vegetation community for each site were extracted from data layers in ArcMap. Digital elevation models (DEM) with 10 m resolution were downloaded from

the USGS national map viewer online (www.nationalmap.gov) and a 30 m resolution land cover data layer was acquired from the Southwest Regional Gap Analysis Program (www.earth.gis.usu.edu/swgap). Elevation and slope were generated from the DEM. Because each site was represented as a point (UTM coordinates), a 30 m buffer was drawn around each to simulate a site boundary. Using the zonal statistics function in ArcMap, values of slope, aspect, and vegetative community within each buffered site area were extracted and joined with the original site attribute data. Descriptive and comparative statistics (e.g., chi-square, ANOVA) were then employed to identify any trends possibly associated with prehistoric land-use strategies.

Summary

In this chapter, I discussed the methods used in the collection and analysis of data used in this thesis. Descriptive and comparative analyses used on the lithic assemblage from PCS were outlined, as were the definitions with which the assemblage was characterized. A brief synopsis of XRF and its application to this study was also given, and the methods employed for the regional site inventory were identified. Lastly, these techniques and their applications were connected to how prehistoric toolstone procurement and land-use strategies are interpreted from the archaeological record. Table 3.3 summarizes the expected results for the hypotheses proposed in Chapter 1.

Table 3.3. Summary of Hypotheses and Expectations.

	Hypothesis	Expectation
1	Differences in raw material preference should exist among various stages of reduction and tool classes as quality and proximity of toolstone were factors;	Formal tools (i.e., projectile points, later stage bifaces) and flakes resulting from late stages of reduction made on high quality and non-local raw material (i.e. obsidian), while informal tools (i.e., flake tools, cores, early stage bifaces) and flakes resulting from early stage of reduction made on low quality raw material (i.e., FGV) and local raw material (i.e., some obsidian, CCS, FGV)
	Technological organization at PCS should not change across time;	No change in core size; biface reduction curves; flake tool platform type, cortex, size, and retouch; groundstone use-wear; and debitage weight, portion, platform type, and cortex
2	Territorial ranges should expand post-1,500 cal BP as groups became more residentially mobile;	Late Period projectile points transported farther, and comprised of more diverse and non-local sources than Middle Period projectile points
	Trade after 1,500 cal BP should also increase as population densities peaked;	Late Period projectile points transported farther, and comprised of more diverse and non-local sources than informal tools (i.e., cores, early stage bifaces) and flakes, while all Middle Period artifact types exhibit similar average transport distance, adjusted diversity, and local vs. non-local obsidian
3	Archaeological site assemblage diversity and richness should change overtime as mobility changed;	High diversity and richness in Early Period; low diversity and richness in Middle Period; high diversity and richness in Late Period
	Site locations should also change in response to changes in resource diversity and demography	Early Period sites at low elevations, gentle slopes, and less diverse vegetation communities; Middle and Late Period sites at all elevations, varying slopes, and more diverse vegetation communities

Chapter 4

Results

The methods outlined in Chapter 3 are applied here to the materials presented in Chapter 2. The first section describes the attributes of the PCS lithic assemblage including raw material, cores, bifaces, flake tools, groundstone, and debitage to characterize the technological activities and toolstone procurement strategies at the site. Source provenance data for flakes, cores, bifaces, and projectile points from PCS are also reported, followed by source provenance data for projectile points from Hanging Rock Shelter, Silent Snake Springs, and Smokey Creek Cave. Lastly, data collected from the regional site inventory are analyzed for the purposes of understanding prehistoric land-use patterns in the BRD/HRC.

The Paiute Creek Shelter Lithic Assemblage

The lithic assemblage from PCS consists of over 70,000 artifacts including 69,673 pieces of debitage, 56 cores, 174 flake tools, 546 bifaces and projectile points, and 47 pieces of groundstone (see Appendix B for provenience and measures). Counts of each artifact type by component are reported in Table 4.1. Artifacts that lacked precise provenience were excluded from certain diachronic comparisons.

Table 4.1. Total Artifacts by Component.

	Component				
Artifact Type	**1/2**	**3**	**4**	**None**	**Total**
Projectile Points					
Humboldt Concave Base	-	1	4	-	5
Gatecliff Contracting Stem	1	1	-	-	2
Gatecliff Split Stem	-	3	3	-	6
Elko Corner-notched	3	3	-	1	7
Elko Eared	6	5	-	2	13
Rosegate	17	6	-	3	26
Desert Side-notched	11	1	-	1	13
Cottonwood	8	-	-	1	9
Undiagnostic Fragment	23	22	6	4	55
Unhafted Bifaces					
Stage 2	19	6	-	1	26
Stage 3	44	16	3	3	66
Stage 4	55	29	7	6	97
Stage 5	55	32	10	5	102
Indeterminate Fragment	60	45	5	9	119
Other Tools					
Flake Tool	108	44	16	6	174
Core	31	18	5	2	56
Groundstone	26	13	7	1	47
Debitage	35,276	25,309	6,507	2,581	69,673
Total	35,743	25,554	6,573	2,626	70,496

Raw Material

Four categories of raw material are represented in the PCS assemblage. A majority of artifacts are manufactured on obsidian (n = 30,851; 43.76%) and CCS (n = 36,408; 51.65%). The remainder are made on FGV (n = 3,216; 4.56%) and other materials (n = 20; 0.03%) (Table 4.2).

Table 4.2. Total Artifacts by Raw Material.

	Raw Material				
Artifact Type	**Obsidian**	**CCS**	**FGV**	**Other**	**Total**
Projectile Points					
Humboldt Concave Base	4	1	-	-	5
Gatecliff Contracting Stem	1	-	1	-	2
Gatecliff Split Stem	5	1	-	-	6
Elko Corner-notched	5	2	-	-	7
Elko Eared	12	1	-	-	13
Rosegate	14	12	-	-	26
Desert Side-notched	8	5	-	-	13
Cottonwood	4	5	-	-	9
Undiagnostic Fragment	49	6	-	-	55
Unhafted Bifaces					
Stage 2	5	17	4	-	26
Stage 3	25	37	4	-	66
Stage 4	38	56	3	-	97
Stage 5	75	24	3	-	102
Indeterminate Fragment	90	28	1	-	119
Other Tools					
Flake Tool	76	79	19	-	174
Core	8	27	21	-	56
Groundstone	-	-	47	-	47
Debitage	30,434	36,107	3,112	20	69,673
Total	30,856	36,405	3,215	20	70,496

Core Analysis

Fifty-six cores are present in the lithic assemblage. All but two cores are assigned to Components 1/2 (n = 31), 3 (n = 18), and 4 (n = 5) (see Table 4.1). A majority of the cores are manufactured on CCS (n = 27; 48.21%) and FGV (n = 21; 37.50%), while obsidian comprises the remainder (n = 8; 14.29%) (see Table 4.2). Core size values

range from 8 to 13,803.3 and Component 3 has the widest variation in these values (Figure 4.1). An ANOVA test reveals no significant differences in mean size values between components ($F = 2.577$, $df = 2$, $p = 0.086$). Obsidian and CCS cores have small average size values (128.5 and 579.3, respectively), while FGV cores have a mean size value of 2,860 (Figure 4.1). Significant differences between mean size values occur ($F = 5.807$, $df = 2$, $p = 0.005$) and Tukey's post hoc tests shows that these differences lie between obsidian and FGV cores ($p = 0.034$), as well as CCS and FGV cores ($p = 0.009$); there is no significant difference between mean size values of obsidian and CCS cores ($p = 0.900$).

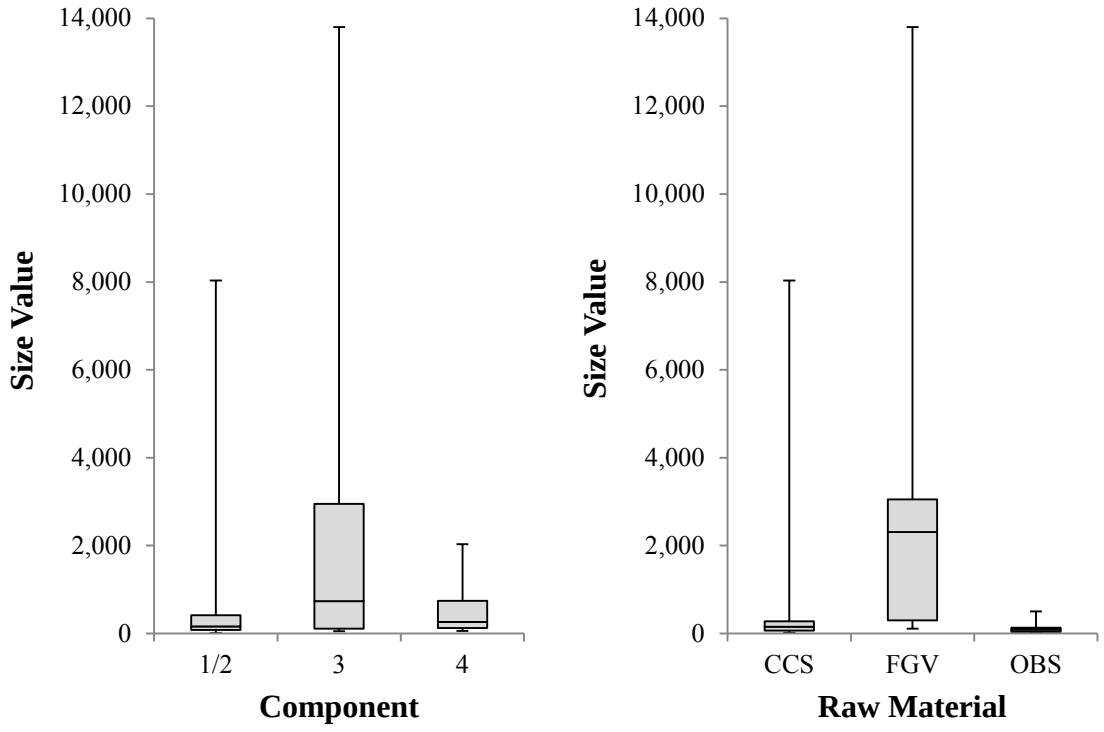


Figure 4.1. Size value of cores by component and raw material.

Tool Analysis

A total of 720 lithic tools were recovered from PCS, including 546 bifaces (75.83%) and 174 flake tools (24.17%). Most tools are manufactured on obsidian (n = 410; 56.94%) and CCS (n = 274; 38.06), with FGV (n = 36; 5.00%) minimally represented (see Table 4.2).

Biface Analysis. Most of the 136 hafted bifaces are manufactured primarily on obsidian (n = 102; 75.00%), while CCS (n = 33; 24.26%) and FGV (n = 1; 0.74%) comprise the remainder (see Table 4.2). Eighty-one (59.56%) hafted bifaces were complete enough to be classified using Thomas's (1981) Monitor Valley key and include five Humboldt Concave base, two Gatecliff Contracting Stem, six Gatecliff Split Stem, seven Elko Corner-notched, 13 Elko Eared, 26 Rosegate, 13 Desert Side-notched, and nine Cottonwood projectile points. Examples of each projectile point type are illustrated in Figures 4.2 – 4.5. Middle Period points (e.g., Humboldt, Gatecliff, and Elko Series; n = 33) are manufactured predominately on obsidian (n = 27; 81.82%), with few on CCS (n = 5; 15.15%) and FGV (n = 1; 3.03%), while Late Period points (e.g., Rosegate, Desert Side-notched, and Cottonwood Series; n = 48) are evenly manufactured on obsidian (n = 26; 54.17%) and CCS (n = 22; 45.83%), with FGV absent (Figure 4.6). A chi-square analysis of these counts reveals that CCS is over represented in Late Period points (χ^2 = 6.54, df = 1, p = 0.011).

Most of the 410 unhafted bifaces at PCS are manufactured mainly on obsidian (n = 233; 56.83%) and CCS (n = 162; 39.51%), while FGV (n = 15; 3.66%) comprise the remainder. All but 24 unhafted bifaces are assigned to a component (see Table 4.1). A

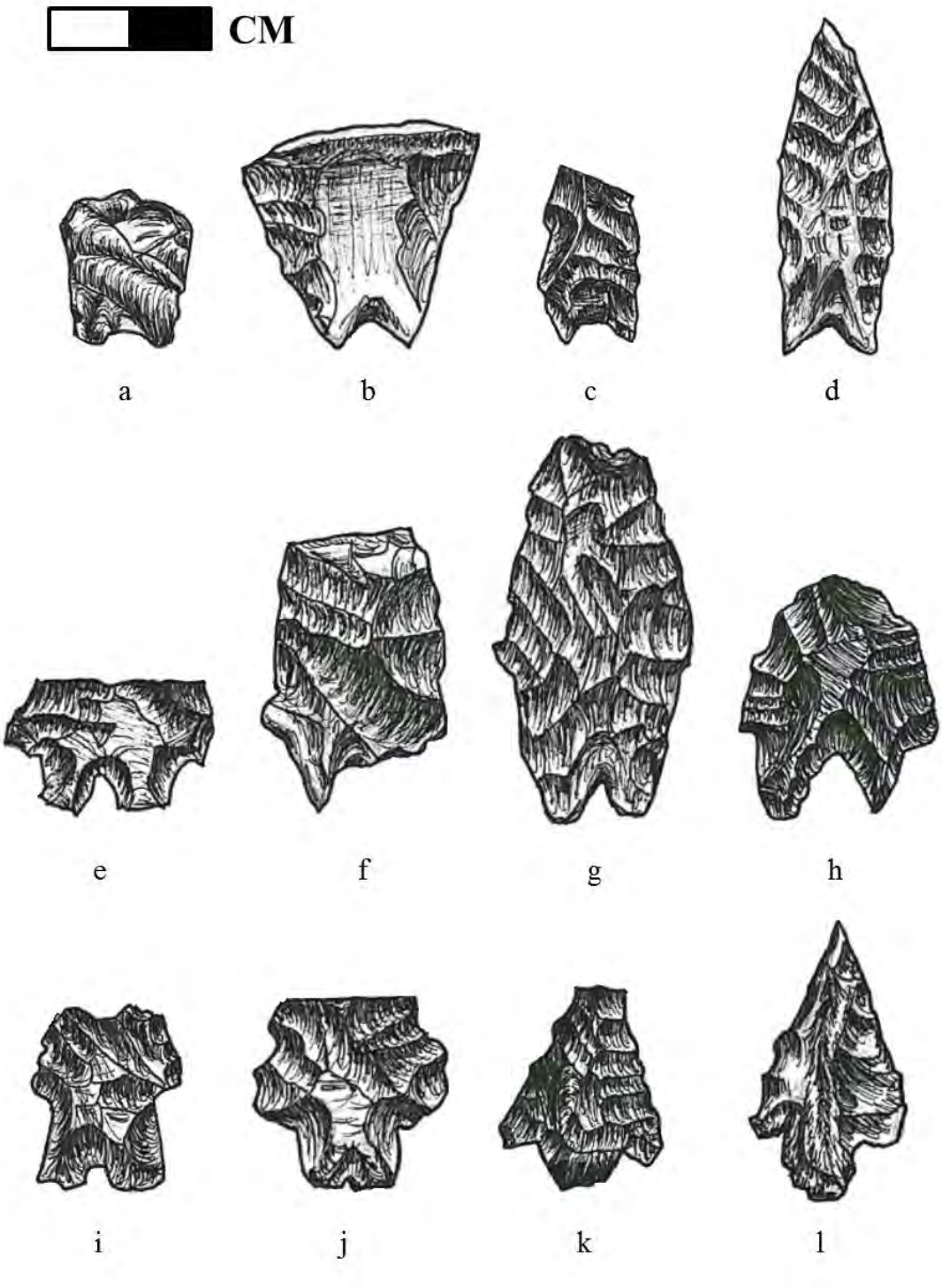


Figure 4.2. Middle Period projectile points from PCS: (a-d) Humboldt Concave Base; (e-j) Gatecliff Split Stem; (k-l) Gatecliff Contracting Stem. All specimens are made on obsidian except (j) and (l), which are made on CCS and FGV, respectively.

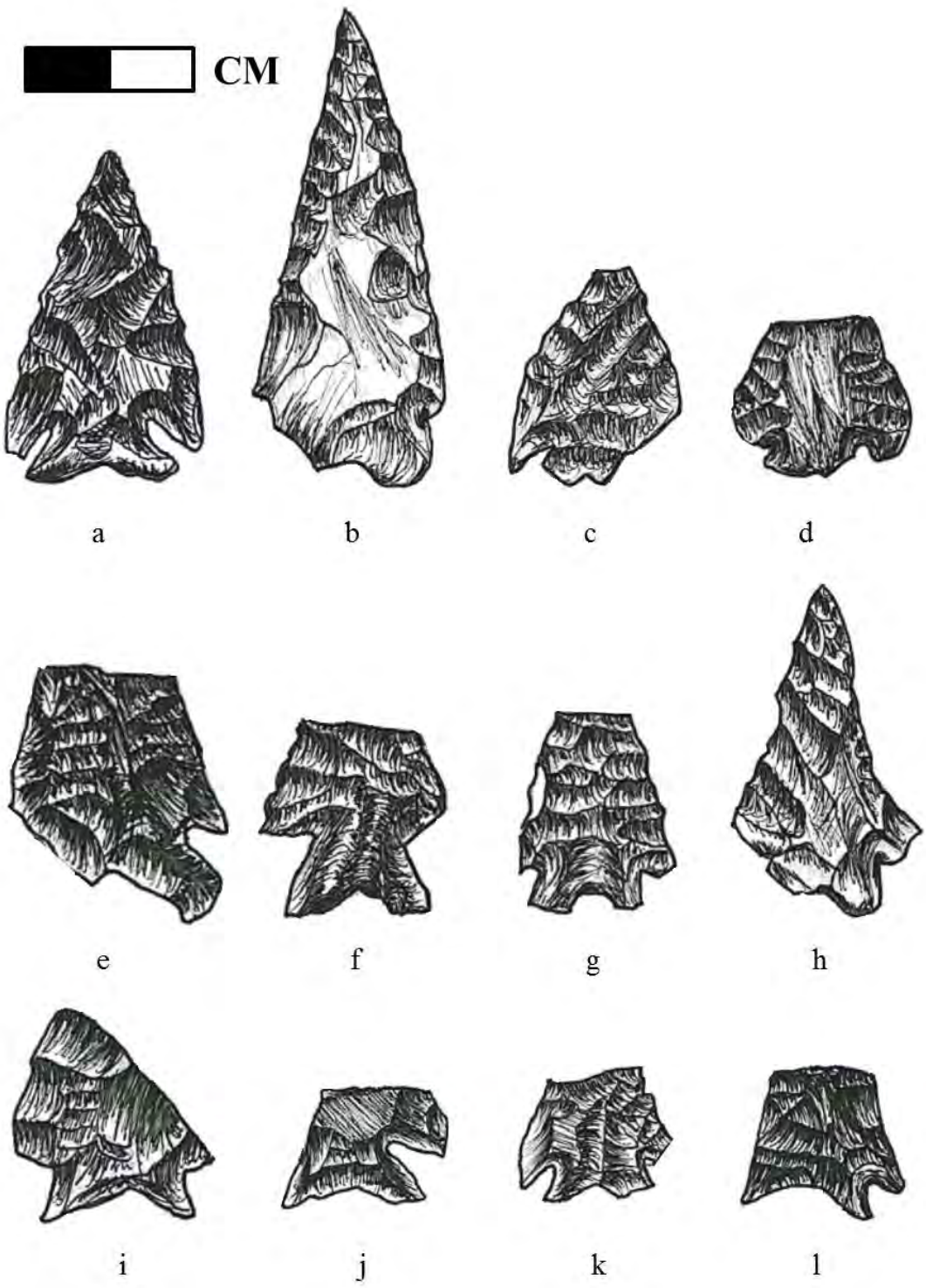


Figure 4.3. Middle Period projectile points from PCS: (a-d) Elko Corner-notched; (e-l) Elko Eared. All specimens are obsidian except (b), which is made on CCS.

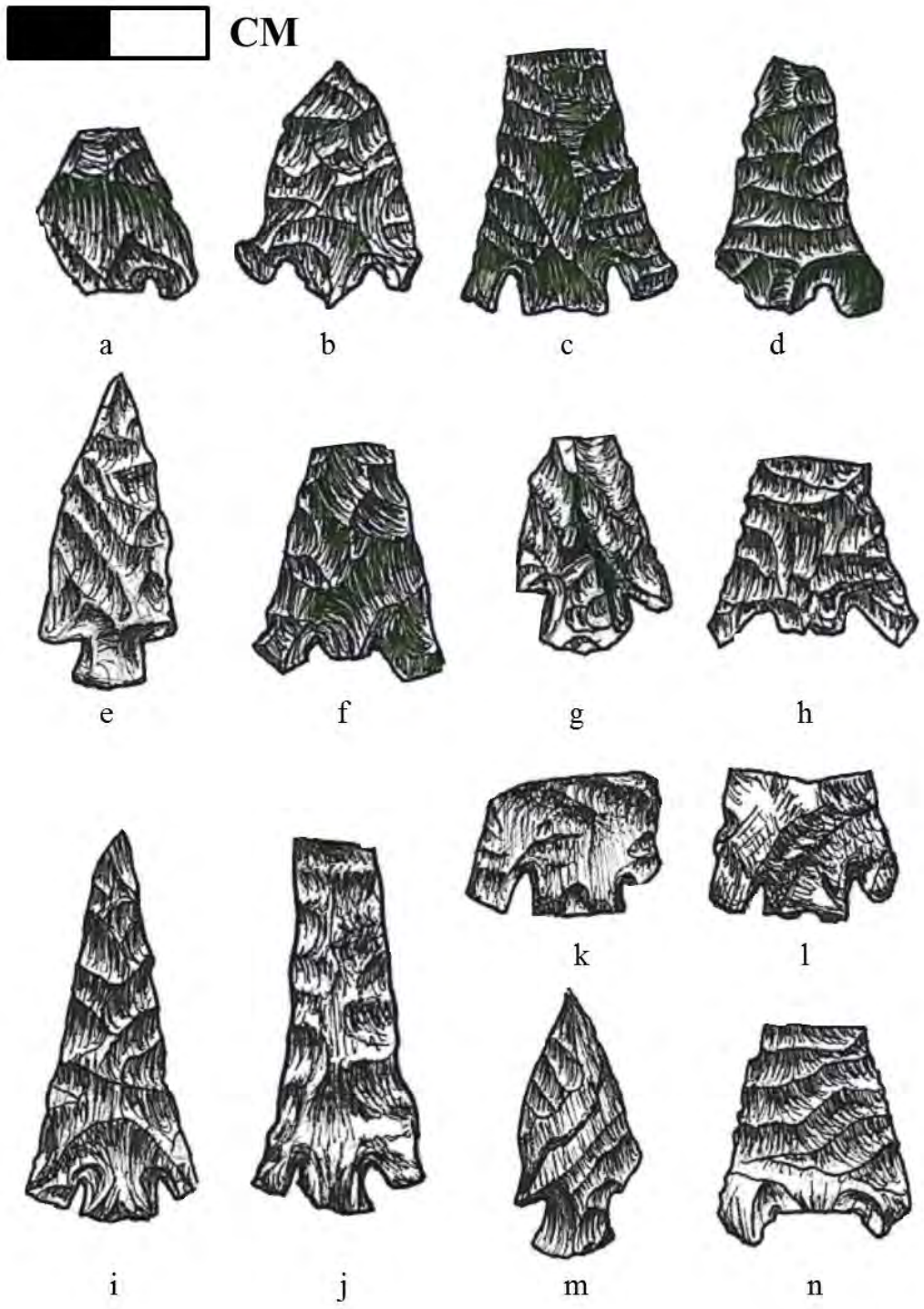


Figure 4.4. Late Period projectile points from PCS: Rosegate. Specimens (a-h) are made on obsidian and specimens (i-n) are made on CCS.

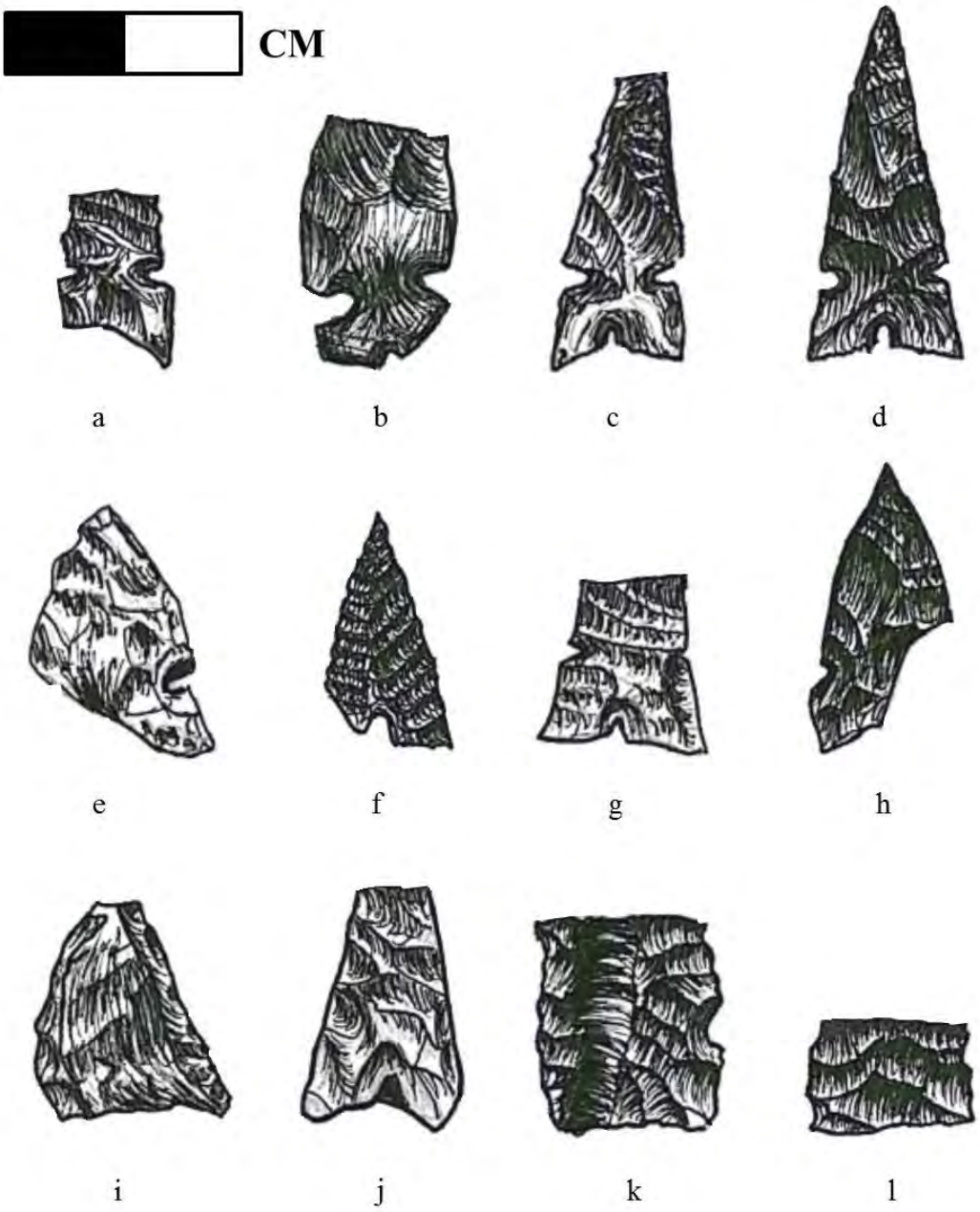


Figure 4.5. Late Period projectile points from PCS: (a-h) Desert Side-notched; (i-l) Cottonwood. Specimens (f-k) are made on obsidian and specimens (a-e, l) are made on CCS.

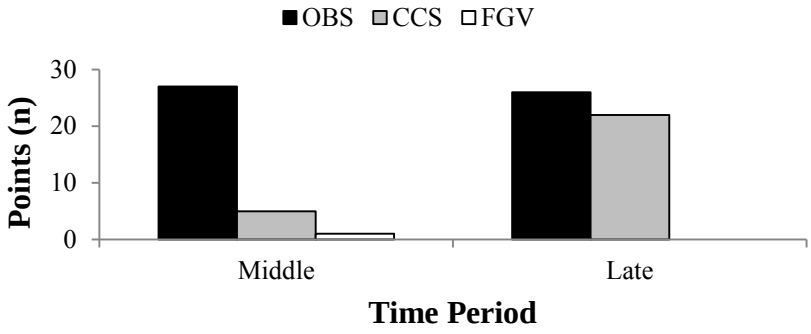


Figure 4.6. Middle and Late Period projectile points by raw material.

total of 291unhafted bifaces exhibit distinguishing characteristics and/or are complete enough to be assigned to reduction stages.

Biface Reduction Curves. Biface reduction curves were constructed for PCS using cores, unhafted bifaces, and projectile points. Cores were treated as antecedents to stage 2 bifaces and projectile points were combined with stage 5 (i.e., finished) bifaces. Cumulative frequencies were created for comparison to Thomas's (1983) ideal reduction curves (see Figure 3.2). Preliminary results of this analysis were originally reported in LaValley (2011); however, some counts have since been corrected. Figure 4.7 illustrates incongruences among raw material types; specifically, earlier stages of reduction are dominated by FGV, while later stages of reduction are predominately obsidian. An examination of biface reduction curves for each component illustrates no major changes across time (Figure 4.8). Compared to Thomas's (1983) ideal curves, the biface reduction curve from PCS falls between the ideal biface reduction and ideal repair curves (Figure 4.9).

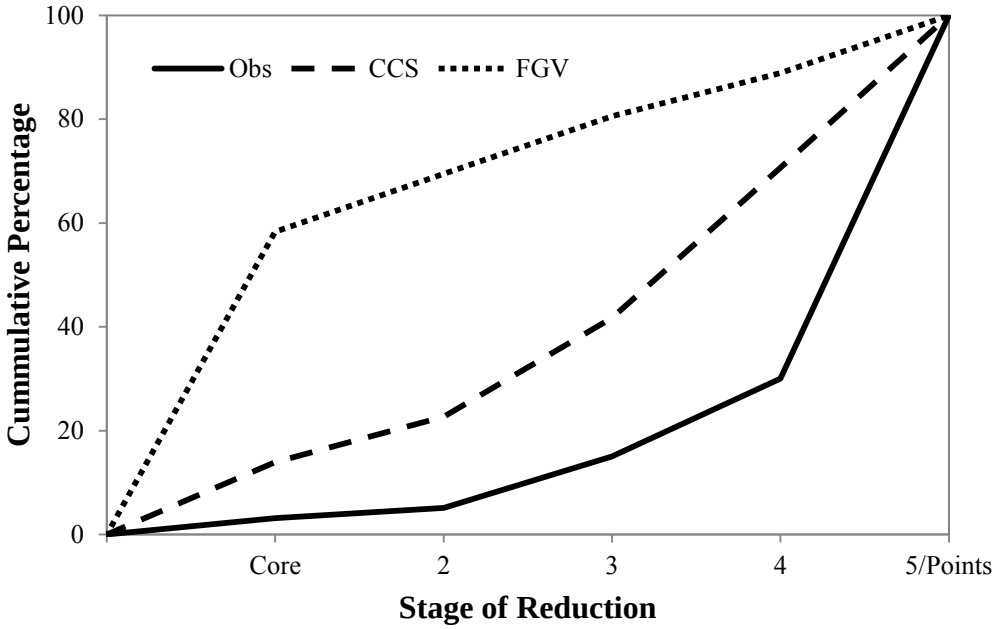


Figure 4.7. Biface reduction curves by raw material.

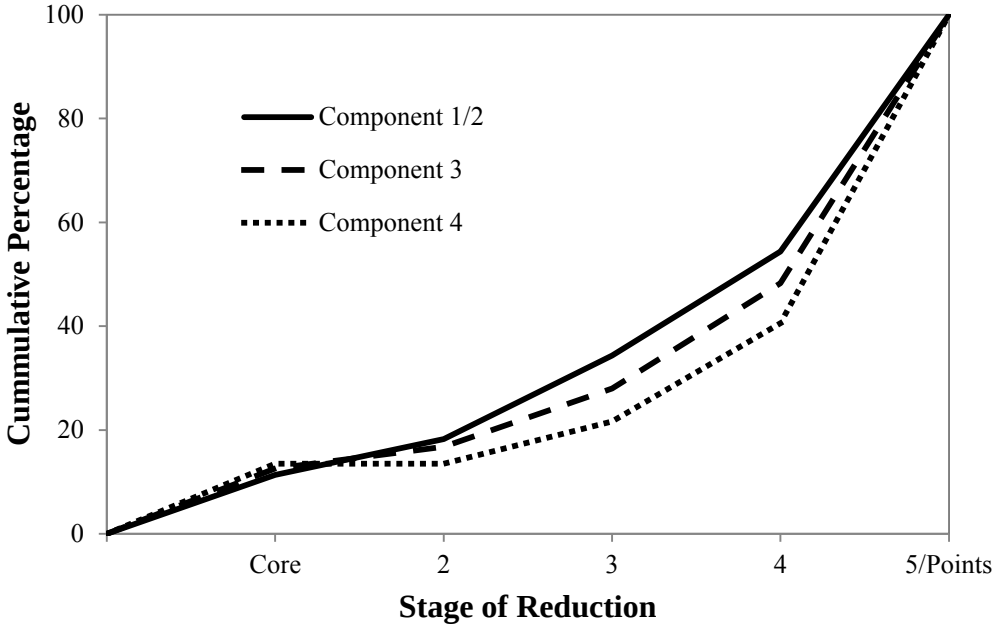


Figure 4.8. Biface reduction curves by component.

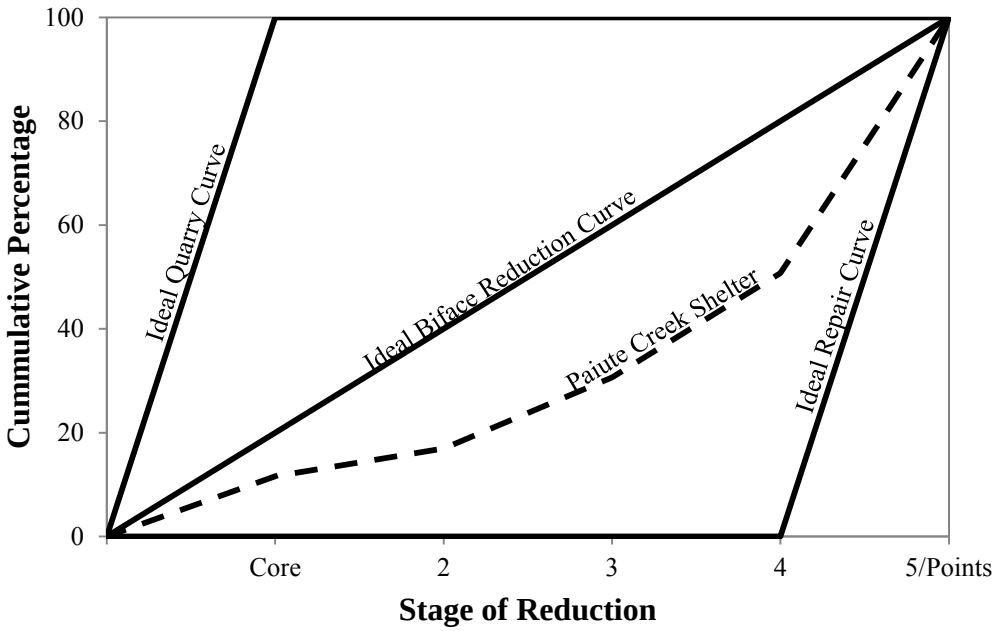


Figure 4.9. Biface reduction curve from PCS compared to Thomas's (1983) ideal curves.

Flake Tool Analysis. Results of this analysis were originally reported by Maniery (2012). A majority of the flake tools are manufactured on obsidian (n = 76; 43.68%) and CCS (n = 79; 45.40%), while FGV (n = 19; 10.92%) comprises the remainder (see Table 4.2). While FGV is not well represented, there is no diachronic change in the frequencies of obsidian and CCS ($\chi^2 = 0.05$, $df = 2$, $p = 0.975$).

Two measures were recorded for flake tools: maximum linear dimension (MLD) and weight. Figure 4.10 shows the variation of MLD and weight of flake tools by component. Significant differences occur between the mean MLD by component ($F = 3.828$, $df = 2$, $p = 0.024$) and mean weight by component ($F = 6.085$, $df = 2$, $p = 0.003$). Tukey's post hoc tests indicate that the difference in MLD by component occurs between Components 1/2 and 4 ($p = 0.018$), while the difference in weight by component lies

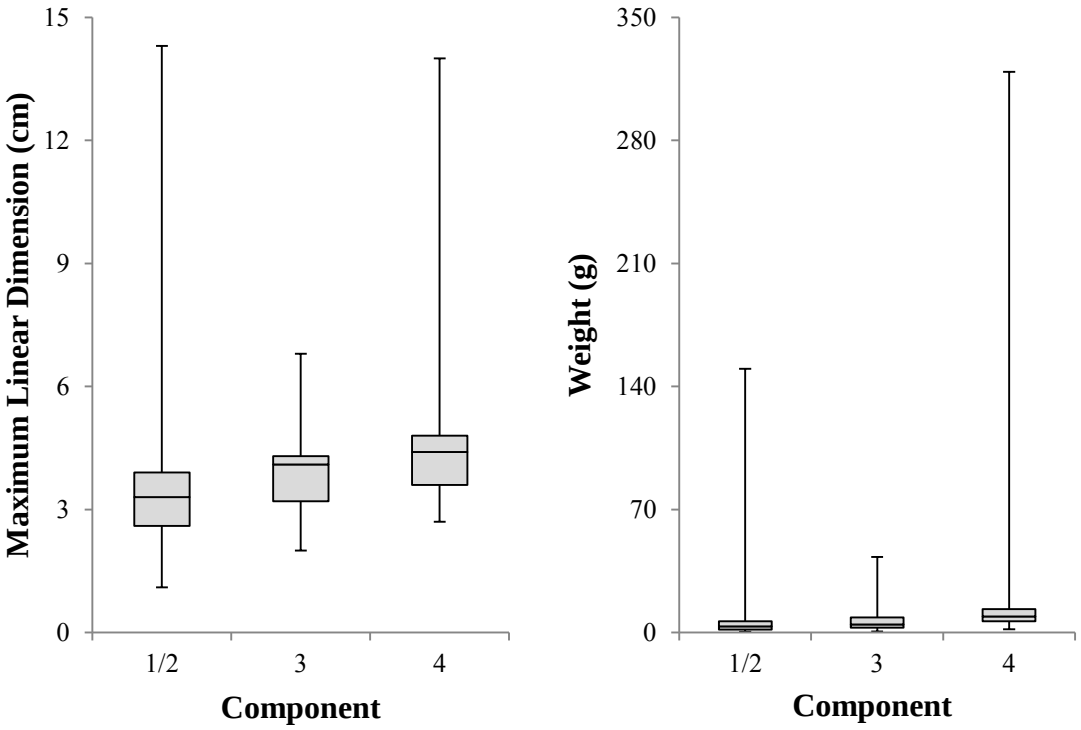


Figure 4.10. Maximum linear dimension and weight of flake tools by component.

between Components 1/2 and 4 ($p = 0.002$), as well as Components 3 and 4 ($p = 0.005$). These results indicated that flake tools in Component 1/2 and 3 were smaller than those in Component 4.

Variations in MLD and weight of flake tools by raw material are shown in Figure 4.11. ANOVA tests show significant differences in the mean MLDs ($F = 16.144$, $df = 2$, $p < 0.001$) and mean weights ($F = 25.288$, $df = 2$, $p < 0.001$) by raw material. Tukey's post hoc tests show that these differences occur between obsidian and FGV flake tools ($p < 0.001$), as well as CCS and FGV flake tools ($p < 0.001$). These results indicate that FGV flake tools are on average larger and heavier than those made on obsidian and CCS.

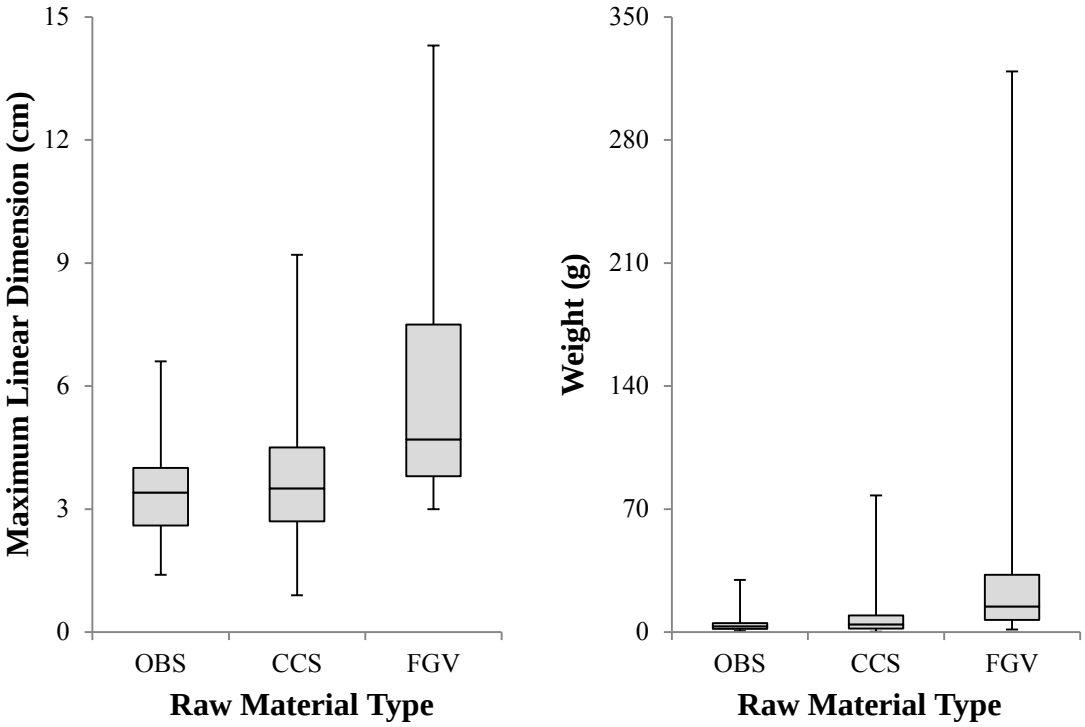


Figure 4.11. Maximum linear dimension and weight of flake tools by component.

Platform type and presence/absence of cortex were also recorded for flake tools. Seventy-nine flake tools have complete and/or discernible platforms including 34 (43.04%) with simple platforms and 45 (56.96%) with complex platforms. A Fisher's exact test reveals no significant differences across time ($p = 0.061$); however, there appear to be more flake tools with simple platforms in Component 4 than in other components (Table 4.3). Upon examination of platform type versus raw material, obsidian flake tools exhibit more complex platforms, while CCS and FGV flake tools possess more simple platforms (Table 4.4). Although this difference is not statistically significant ($\chi^2 = 3.79$, $df = 1$, $p = 0.052$), this trend nevertheless suggests that obsidian

Table 4.3. Platform Type and Presence/Absence of Cortex on Flake Tools by Component.

		Component			
Flake Tool Attribute		**1/2**	**3**	**4**	**None**
Platform	Simple	18	7	7	2
	Complex	29	14	2	-
	Missing	60	23	7	5
Cortex	Present	22	14	11	1
	Absent	86	30	5	5

Table 4.4. Platform Type and Presence/Absence of Cortex on Flake Tools by Raw Material.

		Raw Material		
Flake Tool Attribute		**OBS**	**CCS**	**FGV**
Platform	Simple	13	18	3
	Complex	29	14	2
	Missing	34	47	14
Cortex	Present	30	13	5
	Absent	46	66	14

flake tools were manufactured from prepared cores (i.e., bifaces) more so than CCS and FGV flake tools.

A total of 126 (72.41%) flake tools lack cortex and 48 (27.59%) have some cortex. Table 4.3 shows that the number of flake tools without cortex increased through time at PCS. This trend is statistically significant ($\chi^2 = 16.62$, $df = 2$, $p < 0.001$), as cortex is present more often in Component 4 than other components. Regarding raw

material type, cortex is present on obsidian flake tools significantly more often than other raw material types ($\chi^2 = 10.29$, $df = 2$, $p = 0.006$; see Table 4.4).

Lastly, the amount of edge use was measured by dividing the number of edges with retouch by the number of edges present to produce an EU index value. One key issue with the EU index is that incomplete flake tools can score a maximum value of 1, if all present edge units are retouched, because the measure does not take into consideration the amount of retouch on the missing parts. A Pearson's test shows a strong positive relationship between EU index values and the number of edges missing ($r = 0.444$, $df = 172$, $p < 0.001$). Therefore, the EU index is skewed by incomplete flake tools. To address this issue, all incomplete flake tools (n = 115; 66.1%) were removed from the sample. Figure 4.12 illustrates the variation in EU index for complete flake tools (n = 59) in each component. No significant differences in the average EU index values of complete flake tools occur between components ($F = 0.869$, $df = 2$, $p = 0.425$). Likewise, no significant differences are apparent in the average EU index values of complete obsidian, CCS, and FGV flake tools ($F = 0.092$, $df = 2$, $p = 0.912$; see Figure 4.12).

In summary, flake tools are made equally on obsidian and CCS with a few also manufactured on FGV. Flake tools from Components 1/2 and 3 are smaller than flake tools from Component 4. Although not statistically significant at the $\alpha = 0.05$ level, flake tools in Component 4 exhibit higher frequencies of cortex and simple platforms than flake tools from Components 1/2 and 3. After removing incomplete flake tools, which bias the EU index, there are no diachronic changes in the degree to which flake tools were retouched. Regarding raw material type, there is no variation in preference over time. Flake tools manufactured on obsidian and CCS are on average smaller than those

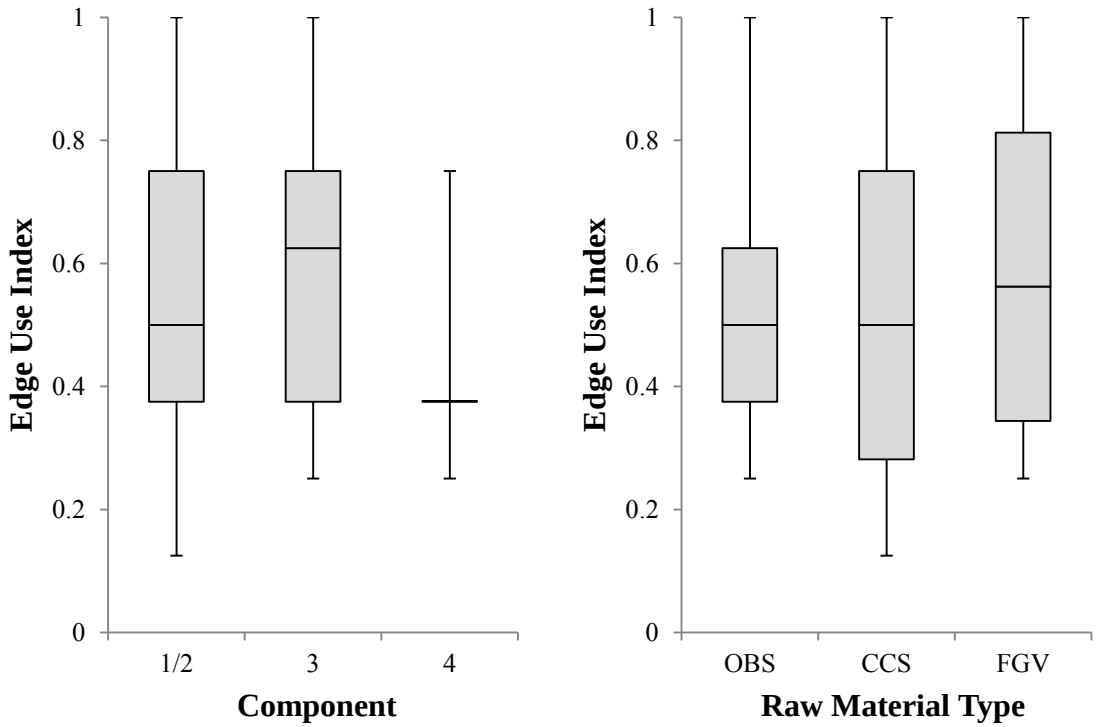


Figure 4.12. Edge use index of complete flake tools by component and raw material.

made on FGV. More obsidian flake tools are manufactured on prepared flakes than other raw material types, but that trend is not significant at the $\alpha = 0.05$ level. There are more obsidian and fewer CCS flake tools with cortex than expected, but the degree of retouch does not appear to vary between raw material types.

Ground Stone Analysis

Forty-seven pieces of groundstone manufactured on FGV were recovered from PCS including 33 metate/fragments, 10 manos/fragments, and four indeterminate fragments. Pecking is visible on five pieces (four metates and one mano) and five

metates show evidence of being shaped. Regarding the degree of use, 12 pieces exhibit light wear, 20 pieces exhibit moderate wear, and 15 exhibit heavy wear. A Fisher's exact test reveals no significant difference in use-wear across time ($p = 0.676$) (Figure 4.13).

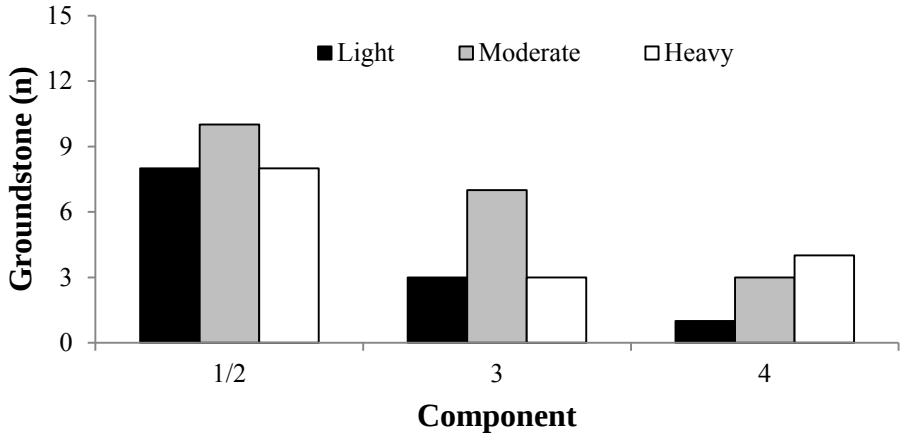


Figure 4.13. Degree of use-wear on groundstone by component.

Debitage Analysis

A total of 69,673 pieces of debitage were recovered from PCS. Obsidian (n = 30,434; 43.68%) and CCS (n = 36,107; 51.82%) are the dominant raw material types, while FGV (n = 3,112; 4.47%) and other raw material types (n = 20; 0.03%) comprise the remainder (see Table 4.2). The relative frequencies of raw material vary significantly diachronically ($\chi^2 = 1{,}606.89$, $df = 4$, $p < 0.001$) as CCS flakes became relatively more abundant over time (Figure 4.14).

A sample of 3,132 flakes (4.7% of the total amount of debitage) was selected for technological analysis. The sample consists of 1,324 (42.27%) obsidian, 1,672 (53.39%)

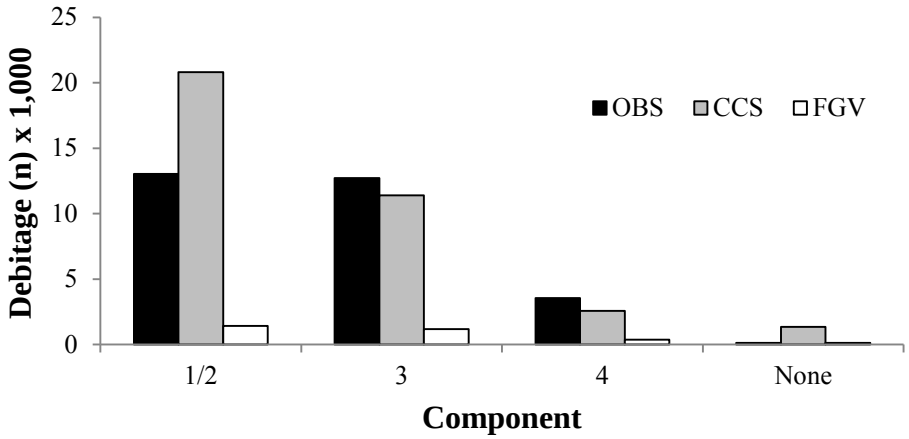


Figure 4.14. Raw material of debitage by component.

CCS, and 136 (4.34%) FGV flakes. Figure 4.15 illustrates the frequency of raw material by component. Compared to the overall distribution of flakes (see Figure 4.14), Component 3 was slightly overrepresented during sample selection. Weight, flake portion, platform type, and presence/absence of cortex were recorded for each piece of debitage in the sample. These are reported by component (Table 4.5) and raw material (Table 4.6).

The mean weights of debitage between components varies significantly (F = 13.337, df = 2, $p < 0.001$) (see Table 4.5). A Tukey's post hoc test shows that flakes from Component 3 are on average heavier than those from Components 1/2 and 4 (p <0.001). Regarding raw material, the mean weights for obsidian, CCS, and FGV flakes are significantly different from each other (F = 171.867, df = 2, $p < 0.001$; see Table 4.6).

Over half the flakes in the sample including 1,584 medial/distal fragments and 544 pieces of shatter lack platforms. Of the remaining flakes, 640 are complete and 364

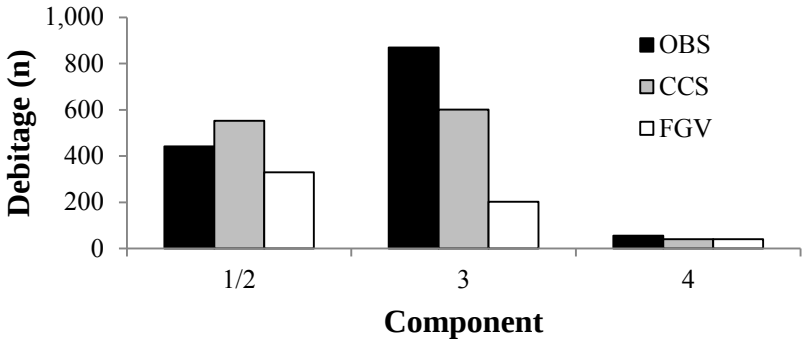


Figure 4.15. Raw material of debitage sample by component.

are proximal fragments. While the relative frequency of flake portion type is fairly stable across time, more shatter is present in Component 1/2 (see Table 4.5). Likewise, the relative frequencies of flake portion type do not vary greatly between raw material types except that shatter is overrepresented in CCS debitage (see Table 4.6). Because CCS flake counts are highest in Component 1/2 and there are more pieces of CCS shatter than expected, this may explain why shatter is overrepresented in Component 1/2.

Of flakes with intact platforms, 193 possess simple platforms, 737 have complex platforms, and 73 are indeterminate. The frequency of each type varies across time (see Table 4.5) such that Component 3 has more flakes with simple platforms, while complex platforms are overrepresented in Component 4 ($\chi^2 = 25.18$, $df = 2$, $p < 0.001$). Additional variation in the frequency of platform types exists between raw material types (see Table 4.6) as obsidian flakes exhibit more complex platforms, while simple platforms occur more often on CCS and FGV flakes ($\chi^2 = 58.46$, $df = 2$, $p < 0.001$).

Lastly, a majority of flakes in the sample lack cortex (n = 3,003; 95.88%), while only 129 (4.12%) flakes possess cortex. No significant diachronic changes is apparent in

Table 4.5. Summary of Flake Attributes by Component.

		Component		
Flake Attribute		**1/2**	**3**	**4**
Weight	(mean)	0.366 g	0.608 g	0.230 g
Flake Portion	Complete	264	233	153
	Proximal	139	146	79
	Medial/Distal	648	688	248
	Shatter	306	137	89
Platform	Simple	71	97	25
	Complex	294	244	199
Cortex	Present	66	47	16
	Absent	1,300	1,147	556

Table 4.6. Summary of Flake Attributes by Raw Material.

		Raw Material		
Flake Attribute		**OBS**	**CCS**	**FGV**
Weight	(mean)	0.198 g	0.434 g	2.709 g
Flake Portion	Complete	325	278	37
	Proximal	196	157	11
	Medial/Distal	649	875	60
	Shatter	154	362	28
Platform	Simple	64	103	26
	Complex	408	311	18
Cortex	Present	71	47	11
	Absent	1,253	1,625	125

the number of flakes with and without cortex ($\chi^2 = 4.39$, $df = 2$, $p = 0.111$; see Table 4.5); however, cortex occurs more frequently on obsidian and FGV flakes ($\chi^2 = 17.85$; $df = 2$, $p < 0.001$; see Table 4.6).

In summary, debitage is predominately made on obsidian and CCS, while FGV comprises the remainder. For the sample analyzed, flakes in Component 3 weigh more than those in Components 1/2 and 4. The frequencies of flake portion types are fairly consistent throughout time, but more shatter is present in Component 1/2. Of those flakes with intact platforms, simple platforms are overrepresented in Component 3, while flakes from Component 1/2 and 4 exhibit greater frequencies of complex platforms. Also, there is no change in the presence/absence of cortex on flakes across time. Regarding raw material, obsidian flakes on average weigh the least, while FGV flakes weigh the most. The frequencies of flake portion types between raw material types are consistent, but there are more pieces of CCS shatter than expected. With respect to platform type, complex platforms occur more frequently on obsidian flakes, while simple platforms are overrepresented in CCS and FGV flakes. Lastly, the frequency of obsidian and FGV flakes with cortex is greater than that for CCS flakes.

X-Ray Fluorescence Analysis of High Rock Lithic Assemblages

A sample of obsidian artifacts from PCS was submitted for XRF analysis including 92 flakes, eight cores, 80 unhafted bifaces, and 53 projectile points. Sourcing data are reported in Skinner (2006), Skinner and Thatcher (2011, 2012), and are included as Appendix C in this thesis. Interpretations of these results were initially reported by

Smith (2007b), Wiggins et al. (2012), LaValley and Smith (2012), and Smith et al. (2012). Since those reports, the location of a previously unknown source – Bog Hot Spring Unknown – was identified as Craine Creek, whose location is known. Thus, some re-interpretation of the data was warranted.

At least 10 geochemically distinct obsidian types are present in the PCS assemblage (Table 4.7) with a majority produced on the closest and most widely distributed obsidian type in the BRD/HRC, Massacre Lake/Guano Valley. As discussed in Chapter 3, source profiles (i.e., average transport distance, diversity, and local vs. non-local ratios) were calculated for each artifact type and time period to identify patterns in toolstone procurement at PCS. Geochemically indistinguishable obsidian types were not used in the calculation of average transport distance or diversity; however, they were included in local vs. non-local ratios, because both possible sources are considered non-local.

The sample of 92 flakes exhibits at least four distinct geochemical types ranging in distance from 19 to 65 km from PCS (see Table 4.7). These flakes were separated into Components 1/2 (n = 30), 3 (n = 31), and 4 (n = 31) to identify diachronic shifts in source profiles. Using bootstrapped samples, no significant shifts across time in artifact transport distance or diversity are observed (Table 4.8). Likewise, a Fisher's exact test reveals no diachronic differences in local vs. non-local obsidian flakes (Table 4.9). Further analysis shows no significant differences in source profiles between complete/incomplete flakes, flakes with simple/complex platforms, or flakes with/without cortex (Tables 4.10 and 4.11). Also, the mean weights of local (1.28 g) and non-local (1.11 g) flakes do not differ significantly (t = -0.534; df = 90; p = 0.595).

Table 4.7. Results of XRF Analysis of Artifacts from PCS.

Obsidian Source	Flakes	Cores	Stage 2 Bifaces	Stage 3 Bifaces	Stage 4 Bifaces	Stage 5 Bifaces	Middle Period Points	Late Period Points	Total	Distance from PCS (km)
ML/GV	80	4	3	18	20	13	23	14	175 (76.08%)	19
Craine Creek	6	2	2	2	3	-	2	3	20 (8.70%)	28
BS/PP/FM	2	-	-	1	4	2	-	-	9 (3.91%)	41
Coyote Spring	-	-	-	-	-	1	1	-	2 (0.87%)	41
Badger Creek	1	-	-	-	-	-	-	-	1 (0.44%)	65
Buffalo Hills	-	-	-	1	1	1	-	-	3 (1.30%)	75
WH/DH	-	2	-	1	1	3	-	4	11 (4.78%)	85
Paradise Valley	-	-	-	-	-	-	-	2	2 (0.87%)	122
Burns	-	-	-	-	-	-	1	-	1 (0.44%)	219
Dog Hill	-	-	-	-	-	-	-	1	1 (0.44%)	236
BS/PP/FM-WH/DH	3	-	-	-	-	-	1	1	5 (2.17%)	-
Total	92	8	5	23	29	20	28	25	230 (100%)	-

Note: ML/GV = Massacre Lake/Guano Valley; BS/PP/FM = Bordwell Spring/Pinto Peak/Fox Mountain; WH/DH = Whitehorse/Double H.

Table 4.8. Comparisons of Average Transport Distance and Diversity for a Sample of Flakes from PCS by Component.

Comparison	*p*	Significant?
Average Transport Distance		
Component 1/2 (19.79 km) vs. Component 3 (20.83 km)	0.516	no
Component 1/2 (19.79 km) vs. Component 4 (21.27 km)	0.234	no
Component 3 (20.83 km) vs. Component 4 (21.27 km)	0.809	no
Diversity		
Component 1/2 (2.00) vs. Component 3 (2.94)	0.473	no
Component 1/2 (2.00) vs. Component 4 (2.96)	0.246	no
Component 3 (2.94) vs. Component 4 (2.96)	0.734	no

Table 4.9. Local vs. Non-local Obsidian Present in a Sample of Flakes from PCS by Component.

Component	Local	Non-local	Total
1/2	28	2	30
3	28	3	31
4	24	7	31
Total	80	12	92

Fisher's Exact: $p = 0.206$

Table 4.10. Comparisons of Average Transport Distance and Diversity for a Sample of Flakes from PCS by Debitage Attributes.

Debitage Attribute	n	Average Transport Distance	*p*	Significant?	Adjusted Diversity	*p*	Significant?
Flake Portion							
Complete	68	20.41 km	0.503	no	2.25	0.748	no
Broken	21	21.38 km			3.00		
Platform Type							
Simple	14	19.00 km	0.255	no	1.00	0.228	no
Complex	65	20.97 km			2.24		
Cortex							
Present	18	19.00 km	0.179	no	1.00	0.110	no
Absent	71	21.06 km			2.57		

Table 4.11. Local vs. Non-local Obsidian Present in a Sample of Flakes from PCS by Debitage Attributes.

Debitage Attribute	Local	Non-local	Total	*p**	Significant?
Flake Portion					
Complete	63	6	69	0.067	no
Broken	17	6	23		
Platform Type					
Simple	14	0	14	0.339	no
Complex	58	8	66		
Cortex					
Present	18	1	19	0.448	no
Absent	62	11	73		

* Fisher's Exact Test

Eight cores and 80 bifaces are made on six geochemically distinct obsidian types ranging in distance from 19 to 85 km from PCS (see Table 4.7). Comparisons of biface stages show no meaningful differences in average transport distances; however, later stage bifaces (i.e., 3, 4, 5) are made on a significantly more diverse suite of obsidian types than cores and stage 2 bifaces (Table 4.12). Because only two unhafted bifaces from Component 4 were submitted for XRF analysis, diachronic comparisons between Middle and Late Periods are not possible; however, source profiles for Components 1/2 and 3 were compared. Statistical tests reveal no significant shifts in source profiles for cores and bifaces across time (Table 4.13).

The sample of 53 projectile points exhibits at least seven geochemically distinct obsidian types ranging in distance from 19 to 236 km from PCS (see Table 4.7). Comparisons of Middle (e.g., dart) and Late (e.g., arrow) Period point source profiles reveal no diachronic shifts (Table 4.14); however, by dividing Late Period points into Rosegate and Desert (e.g., Desert Side-notched and Cottonwood) Series, differences are apparent. While no specific period exhibits a significantly greater diversity than the others, Desert Series points were transported significantly farther than Middle Period points (Table 4.15). Furthermore, non-local obsidian is represented more in Desert Series points than Middle Period or Rosegate Series points (Table 4.16).

Because Eerkens et al. (2007) have demonstrated that different artifact classes (e.g., flakes, bifaces, projectile points) may exhibit contrasting source profiles, source provenance data from flakes, unfinished bifaces (e.g., cores and stage 2-4 unhafted bifaces), and finished bifaces (stage 5 unhafted bifaces and projectile points) were compared. Table 4.17 shows that unfinished and finished bifaces were transported

Table 4.12. Comparisons of Average Transport Distance and Diversity for Cores and Unhafted Bifaces from PCS.

Comparison	*p*	Significant?
Average Transport Distance		
Core (37.75 km) vs. Stage 2 Biface (22.60 km)	0.238	no
Core (37.75 km) vs. Stage 3 Biface (26.04 km)	0.184	no
Core (37.75 km) vs. Stage 4 Biface (27.17 km)	0.172	no
Core (37.75 km) vs. Stage 5 Biface (35.00 km)	0.774	no
Stage 2 Biface (22.60 km) vs. Stage 3 Biface (26.04 km)	0.684	no
Stage 2 Biface (22.60 km) vs. Stage 4 Biface (27.17 km)	0.539	no
Stage 2 Biface (22.60 km) vs. Stage 5 Biface (35.00 km)	0.280	no
Stage 3 Biface (26.04 km) vs. Stage 4 Biface (27.17 km)	0.809	no
Stage 3 Biface (26.04 km) vs. Stage 5 Biface (35.00 km)	0.169	no
Stage 4 Biface (27.17 km) vs. Stage 5 Biface (35.00 km)	0.181	no
Diversity		
Core (2.78) vs. Stage 2 Biface (2.00)	0.409	no
Core (3.00) vs. Stage 3 Biface (2.64)	0.025	yes
Core (3.00) vs. Stage 4 Biface (2.92)	< 0.001	yes
Core (3.00) vs. Stage 5 Biface (3.29)	0.013	yes
Stage 2 Biface (2.00) vs. Stage 3 Biface (2.05)	0.002	yes
Stage 2 Biface (2.00) vs. Stage 4 Biface (2.38)	< 0.001	yes
Stage 2 Biface (2.00) vs. Stage 5 Biface (2.53)	< 0.001	yes
Stage 3 Biface (5.00) vs. Stage 4 Biface (4.60)	0.571	no
Stage 3 Biface (4.59) vs. Stage 5 Biface (5.00)	0.696	no
Stage 4 Biface (4.34) vs. Stage 5 Biface (5.00)	0.770	no

Table 4.13. Source Profiles of Cores and Unhafted Bifaces from PCS by Component.

Component	Average Transport Distance (km)	*p*	Adjusted Diversity	*p*	Local*	Non-local*
1/2 (n = 54)	30.87	0.471	5.19	0.615	37	17
3 (n = 29)	27.48		5.00		19	10

* $\chi^2 = 0.0$, $df = 1$, $p > 0.999$

Table 4.14. Source Profiles of Middle and Late Period Projectile Points from PCS.

Period	Average Transport Distance (km)	*p*	Adjusted Diversity	*p*	Local*	Non-local*
Middle (n = 28)	27.89	0.095	3.77	0.426	23	5
Late (n = 25)	48.75		5.00		14	11

* $\chi^2 = 3.13$, $df = 1$, $p = 0.077$

Table 4.15. Comparisons of Average Transport Distance and Diversity of Projectile Points from PCS.

Comparison	*p*	Significant?
Average Transport Distance		
Middle Period (27.89 km) vs. Rosegate Series (34.92 km)	0.539	no
Middle Period (27.89 km) vs. Desert Series (65.09 km)	0.045	yes
Rosegate Series (34.92 km) vs. Desert Series (65.09 km)	0.157	no
Diversity		
Middle Period (2.68) vs. Rosegate Series (3.00)	0.092	no
Middle Period (2.68) vs. Desert Series (5.00)	0.156	no
Rosegate Series (2.86) vs. Desert Series (5.00)	0.243	no

Table 4.16. Local vs. Non-local Obsidian Projectile Points from PCS.

Series	Local	Non-local	Total
Middle	23	5	28
Rosegate	9	4	13
Desert	5	7	12
Total	37	16	53

Fisher's Exact: $p = 0.039$

significantly farther than flakes, while finished bifaces show significantly greater diversity than both flakes and unfinished bifaces. Also, unfinished and finished bifaces are manufactured on non-local obsidian to a greater degree than flakes (Table 4.18).

Table 4.17. Comparisons of Average Transport Distance and Diversity of Tools from PCS.

Comparison	*p*	Significant?
Average Transport Distance		
Flakes (20.64 km) vs. Unfinished Bifaces (27.72 km)	< 0.001	yes
Flakes (20.64 km) vs. Finished Bifaces (36.94 km)	< 0.001	yes
Unfinished Bifaces (27.72 km) vs. Finished Bifaces (36.94 km)	0.088	no
Adjusted Diversity		
Flakes (3.66) vs. Unfinished Bifaces (4.00)	0.502	no
Flakes (3.81) vs. Finished Bifaces (9.00)	0.033	yes
Unfinished Bifaces (5.00) vs. Finished Bifaces (8.70)	0.012	yes

Table 4.18. Local vs. Non-local Obsidian Artifacts from PCS.

Artifact Class	Local	Non-local	Total
Flakes	80	12	92
Unfinished Bifaces	45	20	65
Finished Bifaces	50	23	73
Total	175	55	230

$\chi^2 = 9.97$, $df = 2$, $p = 0.007$

Separation among artifact classes by components/periods revealed how the abovementioned trends are manifested over time. Table 4.19 breaks down each comparison and shows that differences in source profiles between artifact classes emerged during the Late Period and were most exaggerated during the latter half (e.g., Component 1/2, Desert Series). This observation is also confirmed with local vs. non-local obsidian ratios as non-local obsidian is more frequent in finished bifaces from the most recent component (Table 4.20).

A total of 278 Middle and Late Period projectile points from PCS, Hanging Rock Shelter, Silent Snake Springs, and Smokey Creek Cave were submitted for XRF analysis

Table 4.19. Comparisons of Average Transport Distance and Diversity of Tools from PCS by Component/Period.

Component (Period) - Comparison	*p*	Significant?
1/2 (Desert) - Average Transport Distance		
Flakes (19.79 km) vs. Unfinished Bifaces (28.28 km)	0.029	yes
Flakes (19.79 km) vs. Finished Bifaces (53.05 km)	0.002	yes
Unfinished Bifaces (28.28 km) vs. Finished Bifaces (53.05 km)	0.009	yes
1/2 (Desert) - Diversity		
Flakes (2.00) vs. Unfinished Bifaces (4.75)	0.033	yes
Flakes (1.77) vs. Finished Bifaces (7.00)	0.003	yes
Unfinished Bifaces (4.39) vs. Finished Bifaces (7.00)	0.507	no
3 (Rosegate) - Average Transport Distance		
Flakes (20.83 km) vs. Unfinished Bifaces (27.40 km)	0.066	no
Flakes (20.83 km) vs. Finished Bifaces (31.95 km)	0.037	yes
Unfinished Bifaces (27.40 km) vs. Finished Bifaces (31.95 km)	0.448	no
3 (Rosegate) - Diversity		
Flakes (2.33) vs. Unfinished Bifaces (4.00)	0.561	no
Flakes (2.47) vs. Finished Bifaces (5.00)	0.339	no
Unfinished Bifaces (4.00) vs. Finished Bifaces (4.74)	0.298	no
4 (Middle) - Average Transport Distance		
Flakes (21.27 km) vs. Finished Bifaces (27.89 km)	0.371	no
4 (Middle) - Diversity		
Flakes (2.90) vs. Finished Bifaces (4.00)	0.530	no

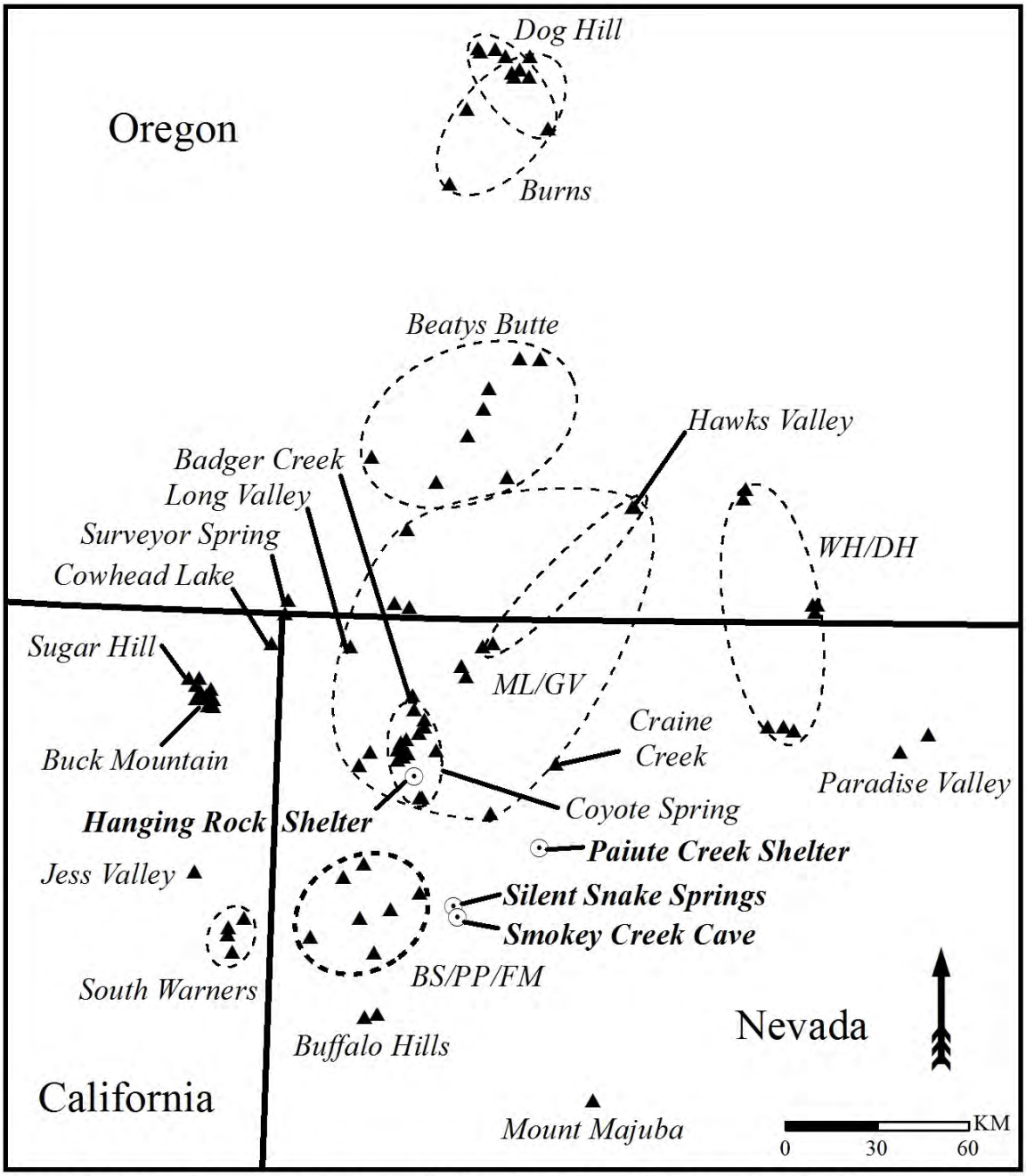
Table 4.20. Local vs. Non-local Obsidian Artifacts from PCS by Component/Period.

	Component 1/2 - Desert Series			Component 3 - Rosegate Series			Component 4 - Middle Period		
Artifact Class	**Local**	**Non-local**	**Total**	**Local**	**Non-local**	**Total**	**Local**	**Non-local**	**Total**
Flakes	28	2	30	28	3	31	24	7	31
Unfinished Bifaces	31	12	43	12	8	20	-	-	-
Finished Bifaces	11	12	23	16	6	22	23	5	28
Total	70	26	96	56	17	73	47	12	59
	$\chi^2 = 13.68$, $df = 2$, $p = 0.001$			$\chi^2 = 6.54$, $df = 2$, $p = 0.038$			$\chi^2 = 0.02$, $df = 1$, $p = 0.888$		

to assess prehistoric toolstone procurement strategies in the BRD/HRC (see Appendix C). The analysis identified 23 geochemically distinct obsidian types and several unknown types from northwest Nevada, northeast California, and south-central Oregon (Figure 4.16). These results are summarized as Middle (Table 4.21) and Late (Table 4.22) Period points. Results from each site (except PCS, which was presented above) are discussed below, followed by inter-site and diachronic comparisons of source profiles.

A sample of 155 projectile points from Hanging Rock Shelter exhibited 17 geochemically distinct obsidian types ranging in distance from 7 to 116 km from the site (see Tables 4.21 and 4.22). Statistical tests reveal no significant difference in average transport distance for Middle and Late Period points, but Middle Period points are more diverse (Table 4.23). Upon further examination, Desert Series points were transported significantly less distance and exhibit significantly less diversity than other points from Hanging Rock Shelter (see Table 4.23). Likewise, local obsidian is more abundant in Desert Series points than other points (Table 4.24). These unexpected results may have been affected by the unexpected appearance of the local (7 km away) Coyote Spring FGV type among Desert Series points. Only one Middle Period and one Rosegate Series point are manufactured on this toolstone type, while 21 Desert Series points are made on this type.

A sample of 47 projectile points from Silent Snake Springs exhibits eight geochemically distinct obsidian types ranging in distance of 15 to 74 km from the site, while a sample of 23 projectile points from Smokey Creek Cave exhibits 12 geochemically distinct obsidian types ranging in distance of 12 to 87 km from the site (see Tables 4.21 and 4.22). Both samples are dominated by Middle Period projectile



Note: ML/GV = Massacre Lake/Guano Valley; WH/DH = Whitehorse/Double H; BS/PP/FM = Bordwell Spring/Pinto Peak/Fox Mountain

Figure 4.16. Obsidian sources present in artifact assemblages from four High Rock sites.

Table 4.21. Results of XRF Analysis for Middle Period Projectile Points from Sites in the High Rock.

Toolstone Type	Paiute Creek Shelter	Hanging Rock Shelter	Silent Snake Springs	Smokey Creek Cave	Total
Badger Creek	-	27 km (n = 5)	-	-	5
Beatys Butte	-	97 km (n = 1)	-	-	1
Bordwell Spring	-	40 km (n = 1)	32 km (n = 6)	-	7
Buck Mountain	-	70 km (n = 2)	-	-	2
Buffalo Hills	-	78 km (n = 1)	41 km (n = 2)	43 km (n = 1)	4
Burns	219 km (n = 1)	-	-	-	1
Cowhead Lake	-	64 km (n = 1)	-	-	1
Coyote Spring	41 km (n = 1)	7 km (n = 1)	-	-	2
Craine Creek	28 km (n = 2)	46 km (n = 4)	60 km (n = 1)	-	7
Fox Mountain	-	44 km (n = 5)	22 km (n = 4)	20 km (n = 4)	13
Hawk's Valley	-	51 km (n = 1)	-	87 km (n = 1)	2
Jess Valley	-	78 km (n = 1)	-	-	1
Long Valley	-	48 km (n = 2)	-	-	2
ML/GV	19 km (n = 23)	17 km (n = 44)	36 km (n = 6)	33 km (n = 4)	77
Mount Majuba	-	-	74 km (n = 1)	78 km (n = 1)	2
Pinto Peak	-	33 km (n = 2)	15 km (n = 21)	12 km (n = 6)	29
South Warners	-	-	70 km (n = 1)	-	1
Sugar Hill	-	77 km (n = 1)	-	-	1
WH/DH	-	116 km (n = 1)	-	-	1
BS/PP/FM-WH/DH	? (n = 1)	-	-	-	1
Unknowns	-	? (n = 3)	-	-	3
Total	28	76	42	17	**163**

Note: ML/GV = Massacre Lake/Guano Valley; WH/DH = Whitehorse/Double H; BS/PP/FM = Bordwell Spring/Pinto Peak/Fox Mountain

Table 4.22. Results of XRF Analysis for Late Period Projectile Points from Sites in the High Rock.

Toolstone Type	Paiute Creek Shelter	Hanging Rock Shelter	Silent Snake Springs	Smokey Creek Cave	Total
Badger Creek	-	27 km (n = 2)	-	-	2
Beatys Butte	-	97 km (n = 2)	-	-	2
Bordwell Spring	-	-	-	30 km (n = 1)	1
Buck Mountain	-	70 km (n = 4)	-	-	4
Buffalo Hills	-	78 km (n = 1)	41 km (n = 1)	-	2
Coyote Spring	-	7 km (n = 22)	-	-	22
Craine Creek	28 km (n = 3)	46 km (n = 2)	60 km (n = 1)	58 km (n = 1)	7
Dog Hill	236 km (n = 1)	-	-	-	1
Fox Mountain	-	44 km (n = 1)	22 km (n = 2)	20 km (n = 2)	5
ML/GV	19 km (n = 14)	17 km (n = 37)	-	33 km (n = 1)	52
Mount Majuba	-	-	-	78 km (n = 1)	1
Paradise Valley	122 km (n = 2)	-	-	-	2
Pinto Peak	-	-	15 km (n = 1)	-	1
Surveyor Spring	-	68 km (n = 1)	-	-	1
WH/DH	85 km (n = 4)	116 km (n = 1)	-	-	5
BS/PP/FM-WH/DH	? (n = 1)	-	-	-	1
Unknowns	-	? (n = 6)	-	-	6
Total	25	79	5	6	**115**

Note: ML/GV = Massacre Lake/Guano Valley; WH/DH = Whitehorse/Double H; BS/PP/FM = Bordwell Spring/Pinto Peak/Fox Mountain

Table 4.23. Comparisons of Average Transport Distance and Diversity of Projectile Points from Hanging Rock Shelter by Period.

Comparison	***p***	**Significant?**
Average Transport Distance		
Middle Period (30.15 km) vs. Late Period (24.62 km)	0.145	no
Middle Period (30.15 km) vs. Rosegate Series (32.62 km)	0.665	no
Middle Period (30.15 km) vs. Desert Series (21.38 km)	0.030	yes
Rosegate Series (32.62 km) vs. Desert Series (21.38 km)	0.059	no
Adjusted Diversity		
Middle Period (16.00) vs. Late Period (10.00)	0.023	yes
Middle Period (7.50) vs. Rosegate Series (6.00)	0.149	no
Middle Period (13.14) vs. Desert Series (8.00)	0.030	yes
Rosegate Series (6.00) vs. Desert Series (4.67)	0.010	yes

Table 4.24. Local vs. Non-local Obsidian Projectile Points from Hanging Rock Shelter.

Period	**Local**	**Non-local**	**Total**
Middle	45	28	73
Rosegate	14	7	21
Desert	45	7	52
Total	104	42	146

$\chi^2 = 9.43$, $df = 2$, $p = 0.009$

points, thus preventing accurate diachronic comparisons within the assemblages.

Inter-site comparisons of source profiles reveal very few significant differences (Table 4.25). Points from PCS were transported significantly farther than those from Hanging Rock Shelter, while points from Smokey Creek Cave show greater diversity than those from PCS. Additionally, the Hanging Rock Shelter assemblage has more local obsidian, while Silent Snake Springs and Smokey Creek Cave assemblages have more non-local obsidian than expected (Table 4.26). Upon combining source provenance data from all four sites, no significant diachronic shifts in source profiles are apparent (Table 4.27).

Table 4.25. Comparisons of Average Transport Distance and Diversity of Projectile Points by Site.

Comparison	*p*	Significant?
Average Transport Distance		
PCS (37.71 km) vs. HRS (26.75 km)	0.031	yes
PCS (37.71 km) vs. SSS (26.74 km)	0.122	no
PCS (37.71 km) vs. SCC (31.78 km)	0.546	no
HRS (26.75 km) vs. SSS (26.74 km)	0.998	no
HRS (26.75 km) vs. SCC (31.78 km)	0.336	no
SSS (26.75 km) vs. SCC (31.78 km)	0.296	no
Adjusted Diversity		
PCS (7.00) vs. HRS (10.89)	0.174	no
PCS (6.77) vs. SSS (8.00)	0.359	no
PCS (4.91) vs. SCC (8.00)	0.040	yes
HRS (10.43) vs. SSS (8.00)	0.163	no
HRS (7.16) vs. SCC (8.00)	0.708	no
SSS (6.58) vs. SCC (8.00)	0.895	no

Note: PCS = Paiute Creek Shelter; HRS = Hanging Rock Shelter; SSS = Silent Snake Springs; SCC = Smokey Creek Cave

Table 4.26. Local vs. Non-local Obsidian Projectile Points by Site.

Site	Local	Non-local	Total
Paiute Creek Shelter	37	16	53
Hanging Rock Shelter	104	42	146
Silent Snake Springs	22	25	47
Smokey Creek Cave	12	11	23
Total	175	94	269

$\chi^2 = 11.54$, $df = 3$, $p = 0.009$

Table 4.27. Source Profiles for Middle and Late Period Points from the HRC.

Period	Average Transport Distance (km)	*p*	Adjusted Diversity	*p*	Local*	Non-local*
Middle (n = 160)	28.55	0.626	16.22	0.364	99	61
Late (n = 109)	30.55		15.00		76	33

* $\chi^2 = 1.43$, $df = 1$, $p = 0.232$

In summary, XRF data from PCS show no change in source profiles between the Middle and Late Periods, but Desert Series points were transported farther than Middle Period points. While Middle and Late Period points from Hanging Rock Shelter were not transported significantly different distances, Middle Period points show a greater diversity than Late Period points. Like PCS, a closer inspection reveals that Desert Series points from Hanging Rock Shelter have different source profiles than Middle Period points, except that they are dominated by more local obsidian. Inter-site comparisons indicate that points from PCS were transported farther than those from Hanging Rock Shelter and points from Smokey Creek Cave exhibit greater diversity than those from PCS. However, any differences at individual sites or between sites are not apparent on a regional scale. There are no differences between Middle and Late Period source profiles.

Regional Site Inventory

An inventory of archaeological sites within the area of study produced a sample of 564 sites from NVCRIS and 59 sites from recent SARF survey projects to be used in this study.

Site Distribution

Because many archaeological surveys target specific areas in which researchers believe there to be sites or are conducted using non-random methods driven by cultural resource management projects, the spatial distribution of archaeological sites in the area

of study could be skewed. While individual projects might have accounted for this bias through stratified random sampling, there are still many possible sites between project areas that remain unrecorded. These factors have resulted in a clustering effect, where clusters of sites were not formed by patterns of prehistoric land-use but instead by modern archaeological sampling. To determine the distribution of archaeological sites in the BRD/HRC, the average nearest neighbor function was performed in ArcMap for the sites within the area of study. This measured the closest distance from each site to the next and provided a z-score to determine whether sites were clustered (z-score < -1.96), random (-1.96 < z-score < +1.96), or dispersed (z-score > +1.96). This analysis shows that sites within the BRD/HRC are significantly clustered (z-score = -26.04; $p < 0.001$). The spatial autocorrelation function in ArcMap was employed to establish whether this pattern is the result of prehistoric land-use or archaeological survey. A selection of the 15 largest survey projects within the area of study was made and the sites belonging to each were labeled as such. Sites were run through the spatial autocorrelation function with project ID as the input field to determine if they were dispersed, random, or clustered by project. The results reveal that sites are significantly clustered (z-score = +3.04; $p = 0.002$) by project (Figure 4.17). Though this analysis does not identify prehistoric land-use patterns in the BRD/HRC, it did detect biases in data collection and prevented unreliable interpretations.

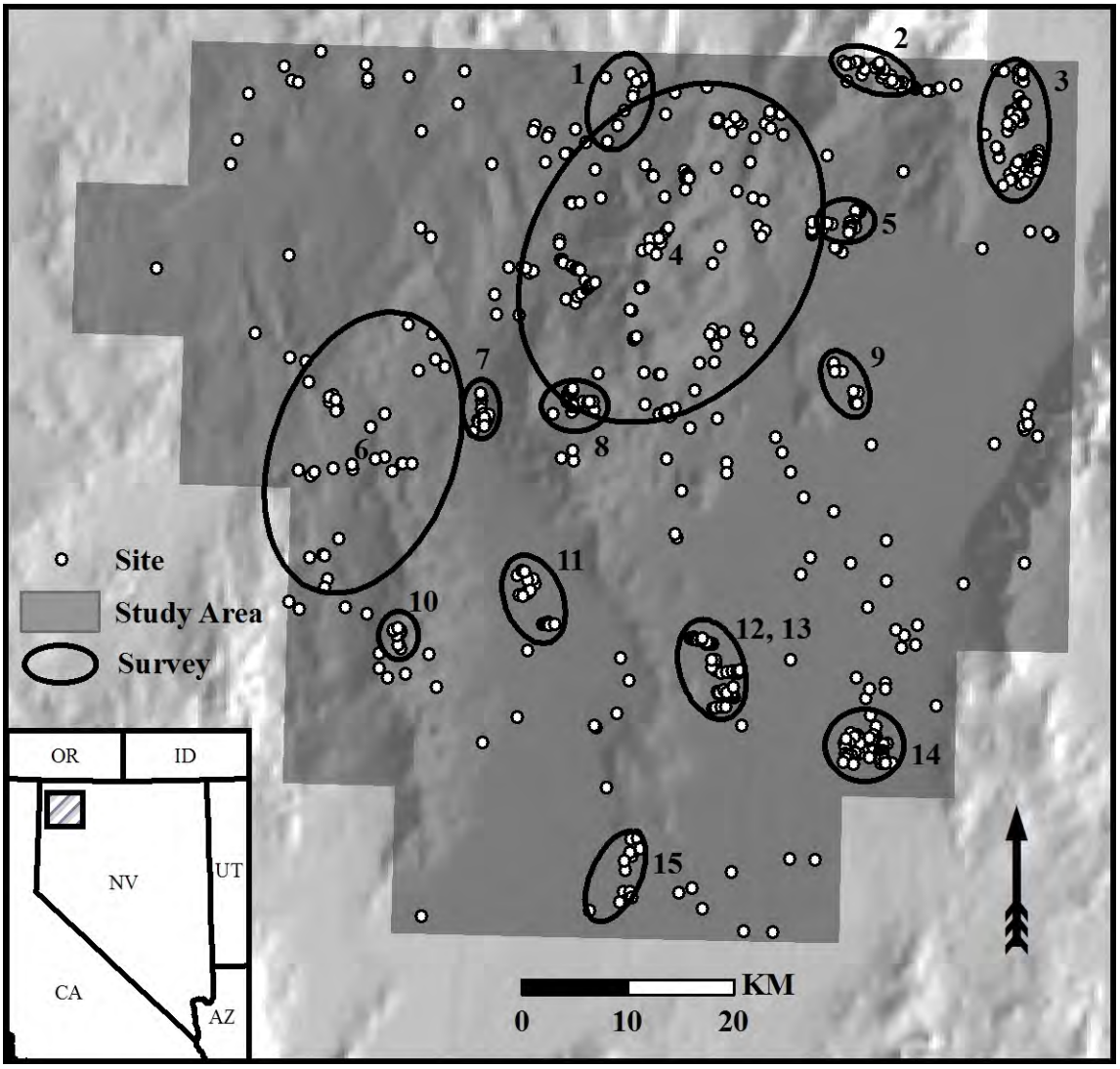


Figure 4.17. Sites and select survey projects in the area of study. Projects are labeled: 1. Harney Electric Powerline, CR2-2331; 2. Pine Forest Recreation Area, CR2-185; 3. Dyke Hot Springs Area, CR2-74; 4. Lahontan Cutthroat Overview, CR2-286; 5. Leonard Creek Desert Land Entries, CR2-405; 6. High Rock Lake, CR2-42; 7. Soldier Meadow Land Exchange, CR2-2583; 8. Paiute Lake, CR2-3116; 9. Pinto Mountain, CR2-2869; 10. Calico Mountains Wildlife Enclosure, CR2-312; 11. West Arm of the BRD, CR2-1513; 12. East Arm of the BRD, CR2-2869; 13. East Arm of the BRD, CR-3117; 14. Geothermal Leasing, CR2-247; 15. Geothermal Leasing, CR-206.

Site Function

A total of 623 sites were located within the area of study; however, 448 sites contained no temporally diagnostic artifacts. The remaining 175 sites were assigned to one or more cultural periods (e.g., Early, Middle, and Late). Not all sites were suitable for calculations of richness, diversity, and evenness. For example, 15 of these sites are isolated tools, which do not meet the current definition for a site in Nevada of two or more artifacts within 30 meters, and they provide limited information. Ten excavated sites were not included because a majority of sites in the inventory are surface scatters. Therefore, it is unwise to directly compare them to excavated sites which exhibit repetitive and/or extensive occupational histories with abundant cultural material. Lastly, there were 27 sites for which the site forms contained insufficient details regarding the type and number of artifacts present; thus, an accurate interpretation of site function could not be gauged.

Additional data such as site function, size, raw material preference, and artifact counts were collected from the remaining 123 sites. Artifact counts for cores, flake tools, unhafted bifaces, projectile points, and groundstone were used to calculate richness (i.e., the number of tool classes present), diversity (i.e., the relative abundance of artifacts within each tool class), and evenness (i.e., the degree of tool distribution among classes) and are reported in Table 4.28. I note that richness and diversity values are affected by the size of the site because there are greater chances for more tools and tool classes to occur as the sample size increases (Rhode 1988). Site size was compared to richness, diversity, and evenness values to determine if this pattern was also true within this

Table 4.28. Attributes, Artifact Counts, and Measures from Sites in the BRD/HRC.

Site	Early	Middle	Late	Size (m)	Raw Material	Debitage	C	FT	BIF	PPT	GS	Total	Richness	Diversity	Evenness
CRNV-02-9630		✓	✓	852 x 570	OBS/FGV/CCS	1000	2	3	14	17	-	36	4	1.09	0.79
CRNV-02-9631	✓	✓	✓	677 x 228	OBS/FGV/CCS	800	-	1	8	9	2	20	4	1.11	0.80
CRNV-02-9634		✓		81 x 69	OBS	40	1	-	-	3	-	4	2	0.56	0.81
CRNV-02-9635	✓	✓		155 x 95	OBS	300	1	-	-	4	-	5	2	0.50	0.72
CRNV-02-9641		✓		132 x 84	OBS/FGV/CCS	200	-	-	-	4	2	6	2	0.64	0.92
CRNV-02-9645	✓			6 x 2	OBS	0	-	-	-	2	-	2	1	0.00	-
CRNV-02-9649		✓		69 x 26	OBS	100	-	-	-	2	-	2	1	0.00	-
CRNV-02-9651		✓		75 x 40	OBS/CCS	200	-	-	-	1	-	1	1	0.00	-
CRNV-02-9658		✓		348 x 161	OBS/CCS	200	3	2	3	1	-	9	4	1.31	0.95
CRNV-02-9667	✓			193 x 107	OBS/CCS	1000	1	1	3	1	-	6	4	1.24	0.90
CRNV-02-9669	✓			370 x 244	CCS	500	9	-	6	2	7	24	4	1.28	0.92
CRNV-02-9681	✓			158 x 121	CCS	300	2	-	1	4	-	7	3	0.96	0.87
CRNV-02-9685		✓		166 x 84	CCS	50	1	-	-	1	-	2	2	0.69	1.00
26HU49		✓		30 x 50	OBS/CCS	-	-	-	3	2	-	5	2	0.67	0.97
26HU50		✓	✓	-	OBS/CCS	-	-	-	2	6	-	8	2	0.56	0.81
26HU60	✓	✓		-	OBS/CCS	70	4	-	4	1	4	13	4	1.29	0.93
26HU61		✓	✓	-	OBS/CCS	20	3	4	2	3	3	15	5	1.59	0.99
26HU66	✓			30 x 440	OBS/CCS	5	-	-	1	1	-	2	2	0.69	1.00
26HU67	✓	✓		30 x 440	OBS/CCS	17	-	-	1	2	-	3	2	0.64	0.92
26HU71	✓			10 x 10	CCS	0	-	1	1	-	-	2	2	0.69	1.00
26HU73	✓		✓	-	OBS/CCS	-	-	-	2	3	-	5	2	0.67	0.97
26HU76	✓			1000 x 2000	OBS/FGV/CCS	500	4	11	7	2	1	25	5	1.34	0.83
26HU122		✓		30 x 80	OBS/FGV	-	-	-	-	3	-	3	1	0.00	-
26HU123		✓		10 x 20	OBS	-	1	-	1	1	-	3	3	1.10	1.00
26HU151		✓		30 x 40	OBS/CCS	-	-	-	-	2	-	2	1	0.00	-
26HU162			✓	90 x 90	OBS/FGV/CCS	-	1	-	-	1	-	2	2	0.69	1.00
26HU173			✓	-	OBS/CCS	1	-	-	-	1	-	1	1	0.00	-
26HU179		✓		-	-	1	-	-	-	1	-	1	1	0.00	-
26HU183			✓	100 x 75	OBS	-	-	-	-	2	-	2	1	0.00	-
26HU186		✓		60 x 20	OBS/FGV/CCS	-	-	-	-	2	-	2	1	0.00	-
26HU320		✓		100 x 100	OBS/FGV	-	-	-	-	1	-	1	1	0.00	-
26HU781		✓		600 x 1000	OBS/CCS	-	-	1	1	5	-	7	3	0.80	0.72
26HU792		✓		-	OBS/CCS	12	-	1	1	3	-	5	3	0.95	0.86
26HU794		✓	✓	600 x 400	OBS/CCS	-	-	2	8	17	8	35	4	1.19	0.86

Note: C = Core; FT = Flake Tool; BIF = Unhafted Biface; PPT = Projectile Point; GS = Groundstone

Site	Early	Middle	Late	Size (m)	Raw Material	Debitage	C	FT	BIF	PPT	GS	Total	Richness	Diversity	Evenness
26HU795	✓	✓	✓	400 x 400	OBS/CCS	100	-	-	5	9	1	15	3	0.85	0.78
26HU796		✓		-	OBS	1	-	-	-	1	-	1	1	0.00	-
26HU804		✓		700 x 200	OBS/CCS	-	-	1	1	5	2	9	5	1.15	0.71
26HU811		✓		-	OBS/CCS	8	-	1	1	1	-	3	3	1.10	1.00
26HU818	✓			700 x 700	OBS/CCS	75	-	1	1	9	1	12	4	0.84	0.60
26HU834		✓		800 x 600	OBS/CCS	-	1	3	1	1	-	6	4	1.24	0.90
26HU838		✓		150 x 40	OBS	-	-	-	-	2	-	2	1	0.00	-
26HU876		✓		200 x 100	OBS	-	-	2	-	2	-	4	2	0.69	1.00
26HU889		✓	✓	200 x 300	OBS	-	-	-	-	20	-	20	1	0.00	-
26HU898		✓		-	-	2	-	-	-	1	-	1	1	0.00	-
26HU1131	✓	✓	✓	500 x 250	OBS	1780	3	50	64	73	-	190	4	1.15	0.83
26HU1132	✓	✓		250 x 200	OBS	163	-	36	38	50	-	124	3	1.09	0.99
26HU1133	✓	✓	✓	500 x 500	OBS	401	2	120	196	220	-	538	4	1.09	0.79
26HU1134	✓	✓	✓	150 x 600	OBS	267	-	9	25	47	-	81	3	0.92	0.84
26HU1170			✓	193 x 313	OBS/FGV/CCS	50	-	2	4	3	2	11	4	1.34	0.97
26HU1244		✓		400 x 400	OBS	500	-	-	-	4	-	4	1	0.00	-
26HU1443		✓		125 x 75	OBS/FGV/CCS	-	-	1	1	2	-	4	3	1.04	0.95
26HU1449		✓	✓	-	-	1	-	-	-	2	-	2	1	0.00	-
26HU1463		✓		-	-	1	-	1	-	1	-	2	2	0.69	1.00
26HU1595			✓	160 x 280	OBS/CCS	-	-	1	1	1	20	23	4	0.53	0.38
26HU1597			✓	600 x 150	CCS	-	-	1	2	1	1	5	4	1.33	0.96
26HU1617		✓		350 x 250	OBS/CCS	-	-	-	-	1	-	1	1	0.00	-
26HU1618	✓			1300 x 2100	OBS/CCS	-	1	7	14	3	-	25	4	1.06	0.77
26HU1625		✓		150 x 150	OBS/CCS	13	-	-	-	5	-	5	1	0.00	-
26HU1645			✓	350 x 100	OBS/CCS	-	2	2	3	22	2	31	5	1.00	0.62
26HU1660	✓	✓	✓	600 x 600	OBS/FGV/CCS	-	4	18	87	138	2	249	5	0.99	0.61
26HU1661		✓		70 x 70	OBS	-	-	16	1	18	-	35	3	0.80	0.73
26HU2305			✓	-	OBS/CCS	-	1	3	4	1	-	9	4	1.21	0.88
26HU2383		✓		-	OBS	-	-	-	1	1	-	2	2	0.69	1.00
26HU2391		✓		400 x 400	OBS/CCS	-	-	-	-	1	-	1	1	0.00	-
26HU2431		✓		400 x 200	OBS/FGV/CCS	-	-	-	-	5	-	5	1	0.00	-
26HU2432			✓	400 x 50	OBS	-	-	-	-	1	-	1	1	0.00	-
26HU2524		✓		400 x 200	OBS/CCS	500	-	2	3	3	-	8	3	1.08	0.99
26HU2530	✓	✓		-	OBS/CCS	1000	-	1	30	5	-	36	3	0.53	0.48

Note: C = Core; FT = Flake Tool; BIF = Unhafted Biface; PPT = Projectile Point; GS = Groundstone

Site	Early	Middle	Late	Size (m)	Raw Material	Debitage	C	FT	BIF	PPT	GS	Total	Richness	Diversity	Evenness
26HU2901		✓		35 x 40	OBS/CCS	500	-	-	4	1	-	5	2	0.50	0.72
26HU2902		✓		125 x 150	OBS/FGV/CCS	500	-	-	-	1	-	1	1	0.00	-
26HU3572		✓		1850 x 630	OBS/FGV	500	95	-	40	2	4	141	4	0.78	0.57
26HU3575		✓	✓	300 x 135	OBS/FGV/CCS	500	6	6	29	10	60	111	5	1.22	0.76
26HU3577		✓		75 x 42	OBS	5	-	1	-	3	-	4	2	0.56	0.81
26HU3578		✓		650 x 225	OBS/FGV/CCS	500	-	-	28	1	40	69	3	0.74	0.68
26HU3579		✓		20 x 14	OBS	25-50	-	-	-	1	-	1	1	0.00	-
26HU3964			✓	22 x 35	OBS/FGV/CCS	350+	2	-	3	1	1	7	4	1.28	0.92
26HU4036		✓	✓	190 x 400	OBS/CCS	7500	-	-	5	5	1	11	3	0.93	0.85
26HU4040		✓		60 x 210	FGV/CCS	375	-	-	-	1	-	1	1	0.00	-
26HU4045			✓	150 x 190	OBS/FGV/CCS	1700	-	-	-	1	-	1	1	0.00	-
26HU4046			✓	190 x 210	OBS/FGV/CCS	1500	2	1	5	1	2	11	5	1.41	0.88
26HU4348	✓	✓		300 x 60	OBS/FGV/CCS	25-100	1	4	8	3	-	16	4	1.18	0.85
26HU4351		✓		200 x 120	OBS/FGV/CCS	100-500	-	1	1	7	-	9	3	0.68	0.62
26HU4353		✓		160 x 80	CCS	100-500	2	-	11	2	2	17	4	1.04	0.75
26HU4354			✓	200 x 80	CCS	100-500	-	1	6	6	-	13	3	0.91	0.83
26HU4355			✓	100 x 25	CCS	100-500	-	1	3	1	1	6	4	1.24	0.90
26HU4357		✓		140 x 250	OBS/CCS	100-500	2	-	3	1	1	7	4	1.28	0.92
26HU4359		✓		140 x 220	OBS/CCS	100-500	1	-	7	2	-	10	3	0.80	0.73
26HU4360	✓			200 x 150	OBS/FGV/CCS	100-500	1	-	7	1	1	10	4	0.94	0.68
26HU4362	✓			100 x 90	OBS/CCS	3	-	-	-	2	-	2	1	0.00	-
26HU4364		✓		40 x 40	OBS/CCS	6	-	-	2	2	-	4	2	0.69	1.00
26HU4365		✓		20 x 30	OBS/CCS	5	-	-	-	1	-	1	1	0.00	-
26HU4367	✓	✓		120 x 110	OBS/FGV/CCS	25-100	-	1	8	4	2	15	4	1.14	0.82
26HU4371		✓		150 x 100	OBS/CCS	25-100	-	-	-	1	-	1	1	0.00	-
26HU4372	✓	✓	✓	500 x 250	OBS/CCS	100-500	2	-	49	6	-	57	3	0.48	0.44
26HU4380	✓	✓		823 x 435	OBS/FGV/CCS	100-500	3	1	6	10	1	21	5	1.28	0.79
26HU4382			✓	100 x 20	OBS	5	-	-	-	4	-	4	1	0.00	-
26HU4384	✓			61 x 91	OBS/CCS	25-100	-	1	5	1	-	7	3	0.80	0.72
26HU4388	✓	✓		231 x 152	OBS/CCS	25-100	-	2	2	6	-	10	3	0.95	0.86
26HU4390		✓	✓	105 x 68	OBS/CCS	25-100	-	-	-	2	-	2	1	0.00	-
26HU4391	✓	✓		268 x 195	OBS/CCS	100-500	3	3	12	8	-	26	4	1.22	0.88
26HU4393	✓			157 x 102	OBS/CCS	25-100	-	-	2	-	-	2	1	0.00	-
26HU4395		✓		205 x 229	OBS/CCS	100-500	1	-	22	5	1	29	4	0.74	0.54

Note: C = Core; FT = Flake Tool; BIF = Unhafted Biface; PPT = Projectile Point; GS = Groundstone

Site	Early	Middle	Late	Size (m)	Raw Material	Debitage	C	FT	BIF	PPT	GS	Total	Richness	Diversity	Evenness
26HU4396	✓	✓	✓	244 x 228	OBS/CCS	100-500	3	4	6	4	-	17	4	1.35	0.98
26HU4398		✓	✓	161 x 321	OBS/FGV/CCS	100-500	2	1	6	3	4	16	5	1.46	0.91
26HU4399		✓		61 x 104	OBS/CCS	10-25	2	-	1	2	-	5	3	1.05	0.96
26HU4406		✓		289 x 324	OBS/FGV/CCS	100-500	2	-	18	6	4	30	4	1.08	0.78
26HU4441	✓	✓		450 x 350	OBS/FGV/CCS	100-500	-	1	8	3	1	13	4	1.03	0.74
26HU4584		✓	✓	500 x 150	OBS/FGV/CCS	500	1	1	1	3	1	7	5	1.48	0.92
26HU5303		✓		460 x 95	OBS/FGV	500	1	1	1	1	-	4	4	1.39	1.00
26HU5934		✓		75 x 100	OBS/FGV	100-500	-	-	1	1	-	2	2	0.69	1.00
26HU5938		✓	✓	496 x 250	OBS	500	2	-	1	3	-	6	3	1.01	0.92
26HU5940		✓	✓	100 x 1000	OBS/FGV/CCS	500	1	-	3	1	-	5	3	0.95	0.86
26HU6007		✓	✓	-	OBS/CCS	100-500	1	-	-	5	3	9	3	0.94	0.85
26HU6008		✓		-	OBS	10	-	-	-	1	-	1	1	0.00	-
26PE669		✓	✓	-	OBS/FGV/CCS	-	1	2	4	10	-	17	4	1.07	0.77
26PE817		✓	✓	500 x 100	OBS/CCS	-	-	1	1	3	1	6	4	1.24	0.90
26PE926		✓		-	OBS/CCS	1	-	-	-	1	-	1	1	0.00	-
26PE2130		✓		60 x 60	OBS	-	-	-	-	1	-	1	1	0.00	-
26WA3028	✓	✓		6000 x 2000	OBS	500	50	1	3	2	1	57	5	0.53	0.33
26WA5086			✓	400 x 200	OBS/CCS	500	-	-	-	1	3	4	2	0.56	0.81
26WA5849		✓	✓	1500 x 100	OBS/CCS	1000	-	-	2	13	2	17	3	0.71	0.65
26WA5855		✓		100 x 30	OBS/CCS	100	-	-	-	1	-	1	1	0.00	-
26WA5856			✓	200 x 200	OBS/CCS	200	-	-	1	2	-	3	2	0.64	0.92

Note: C = Core; FT = Flake Tool; BIF = Unhafted Biface; PPT = Projectile Point; GS = Groundstone

sample. A Spearman's Rho correlation confirms significantly positive relationships between site size/richness ($\rho = 0.566$, $p < 0.001$) and site size/diversity ($\rho = 0.427$, $p < 0.001$). The opposite pattern occurs with evenness, as a Spearman's Rho correlation shows a significantly negative relationship between site size/evenness ($\rho = -0.409$, $p < 0.001$), meaning that small and medium site assemblages are significantly more even than large sites.

Several sites in this study were multicomponent, meaning that two or more cultural periods are represented. Because multicomponent sites have a propensity to be larger, as they have accumulated over greater spans of time, they are likely to have higher richness and diversity. Therefore, all multicomponent sites were removed from the analysis to eliminate this potential source of bias. Comparisons of Early, Middle, and Late sites identify significant differences in mean richness and diversity values (Table 4.29). Tukey's post hoc tests reveal that Early Period sites are on average richer and

Table 4.29. Comparisons of Richness, Diversity, and Evenness of Sites by Period.

Comparison	***p***	**Significant?**
Richness ($F = 4.107$, $df = 2$, $p = 0.018$)		
Early Period (3.32) vs. Middle Period (2.66)	0.035	yes
Early Period (3.32) vs. Late Period (3.16)	0.855	no
Middle Period (2.66) vs. Late Period (3.16)	0.101	no
Diversity ($F = 3.238$, $df = 2$, $p = 0.042$)		
Early Period (0.88) vs. Middle Period (0.67)	0.083	no
Early Period (0.88) vs. Late Period (0.84)	0.944	no
Middle Period (0.67) vs. Late Period (0.84)	0.133	no
Evenness ($F = 0.529$, $df = 2$, $p = 0.591$)		
Early Period (0.80) vs. Middle Period (0.83)	0.591	no
Early Period (0.80) vs. Late Period (0.83)	0.681	no
Middle Period (0.83) vs. Late Period (0.83)	0.999	no

more diverse than Middle Period sites. Late Period sites show a similar pattern, but these differences are not significant at the $\alpha = 0.05$ level.

While sites in this study are affected by size, it is important to know how size class is distributed among periods (i.e., if most Early Period sites were large, then this might account for greater richness and diversity values in that period). For the purpose of comparison, site size was divided into size classes: small (< 10,000 m^2), medium (10,000 m^2 – 100,000 m^2), and large (> 100,000 m^2). A Fisher's exact test shows no significant differences in site size by time period (Table 4.30).

Table 4.30. Size Class of Single Component Sites by Period.

Period	Small	Medium	Large
Early	4	6	3
Middle	20	19	7
Late	5	10	-

Fisher's Exact: $p = 0.117$

Lastly, raw material preference was recorded for each site. Many sites have more than one raw material type present (n = 86), while 25 have only obsidian, eight sites have only CCS, and four site forms did not specify raw material preference. Analysis of raw material by time period reveals no diachronic changes (Table 4.31). There is also no clear relationship between raw material preference and site size (Table 4.32).

Table 4.31. Predominant Raw Material Present at Single Component Sites by Period.

Period	Obsidian	CCS	FGV
Early	14	12	2
Middle	49	34	14
Late	14	14	5

Table 4.32. Predominant Raw Material Present at Sites by Site Size Class.

Size Class	Obsidian	CCS	FGV
Small	28	17	6
Medium	43	37	17
Large	24	18	9

$\chi^2 = 1.81$, $df = 2$, $p = 0.771$

Land-use Patterns

Elevation, slope, and vegetation community were noted for each of the 623 sites in this study and are presented in Appendix A. Elevation in the area of study ranges from 1,190 m to 2,718 m and sites in this study span nearly the entire range. The BRD comprises roughly 50 percent of the area of study while uplands (e.g., canyons, mountains, high plateaus) comprise the remainder. The split between these two areas lies around 1,350 m in elevation. Just over half of the sites (n = 324; 52.01%) are located below 1,350 m, while the rest (n = 299; 47.99%) are located above this level (Figure 4.18).

Slope in the area of study ranges from 0 to 78°, with the BRD encompassing much of the flat land and the deeply incised canyons/mountains of the HRC comprising the steeper portions. Because over half of the sites in this study are located in the BRD,

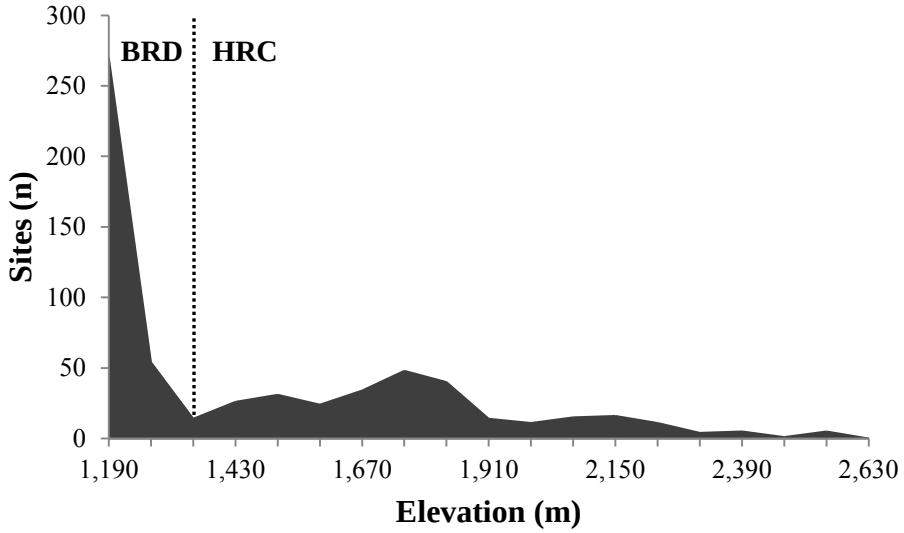


Figure 4.18. Distribution of sites in the BRD/HRC by elevation.

many sites exhibit very shallow slopes (Figure 4.19). The steepest slopes (e.g., ~30°) may be the result of poorly recorded coordinates or mistakenly projected data in ArcMap. Some of the steepest sites are hunting blinds, rock features, and rock shelters. While these locations are more accurately represented on a map with a point, all sites were given 30 m buffers; therefore, the steep terrain that these types of sites are located in is

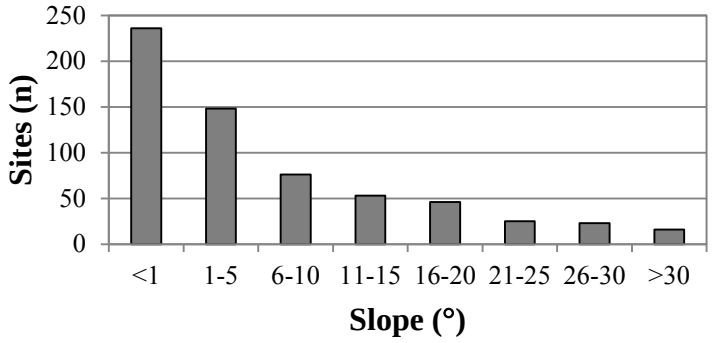


Figure 4.19. Number of sites in the BRD/HRC by slope.

included in the calculation of the local slope. Also, buffers drawn around sites in canyon bottoms may have inadvertently included the surrounding canyon walls, skewing the average slope for the site. A land cover data layer brought into ArcMap provided vegetation communities for the area of study. Table 4.33 shows the variety and relative amount of each ground cover type. Further information regarding what these vegetation communities are comprised of can be found online (http://earth.gis.usu/edu/swgap/). Most sites only contain one vegetation community, but in cases where more than one exists, the predominant type is used. The relative frequency of vegetation communities at the sites is also summarized in Table 4.33.

Table 4.33. Vegetation Community and Land Cover in the Area of Study.

Vegetation Community/Land Cover	**Percent in Area of Study**	**Number of Sites**	**Percent of Sites**
Mixed Salt Desert Scrub	18.42%	161	25.80%
Big Sagebrush Shrubland	22.62%	136	21.95%
Playa	15.73%	89	14.26%
Greasewood Flat	11.10%	65	10.42%
Xeric Mixed Sagebrush Shrubland	14.46%	60	9.62%
Montane Sagebrush Steppe	5.37%	26	4.17%
Cliff and Canyon	3.67%	23	3.69%
Aspen Forest and Woodland	0.98%	23	3.69%
Mountain Mahogany Woodland and Shrubland	1.66%	11	1.76%
Pinyon-Juniper Woodland	2.71%	9	1.44%
Semi-Desert Grassland	1.26%	5	0.80%
Semi-Desert Shrub Steppe	0.30%	2	0.32%
Subalpine Limber-Bristlecone Pine Woodland	0.12%	2	0.32%
Marsh	0.15%	1	0.16%
Open Water	0.13%	1	0.16%
Invasive	0.87%	8	1.28%
Other	0.45%	1	0.16%
Total	100%	623	100%

A comparison of the mean elevation of Early, Middle, and Late Period sites (Figure 4.20) reveals no statistically significant differences ($F = 2.506$, $df = 2$, $p = 0.085$) but Early Period sites on average occur at much lower elevations than other sites (Table 4.34). Over three-quarters of Early Period sites (26 of 34) occur in the BRD below 1,350 m. The remaining eight sites are located around Parman and Paiute Lakes, both pluvial features that held water during the Terminal Pleistocene/Early Holocene. While some surveys in the region have focused on pluvial lake shorelines to specifically locate Early Period sites (e.g., Fenner and Smith 2011, 2012; Smith 2006; Smith and Goebel 2003; Smith et al. 2006), many surveys in strictly upland settings have likely offset this bias. Only half of the Middle (53 of 92) and Late (25 of 43) Period sites occur below 1,350 m

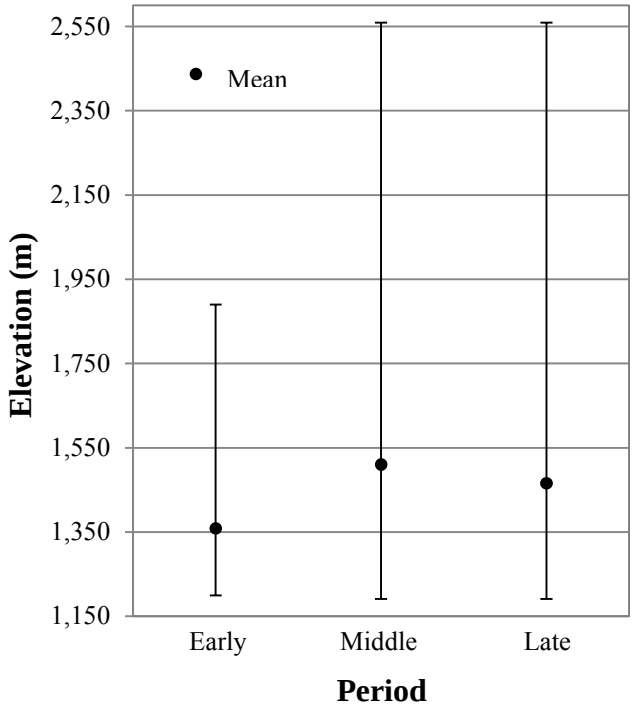


Figure 4.20. Range and average elevation of sites in the BRD/HRC by period.

Table 4.34. Comparisons of Mean Elevations by Period.

Comparison	*p*	Significant?
Early Period (1,358.73 m) vs. Middle Period (1,510.29 m)	0.068	no
Early Period (1,358.73 m) vs. Late Period (1,465.95 m)	0.351	no
Middle Period (1,510.29 m) vs. Late Period (1,465.95 m)	0.757	no

in elevation. Because many sites occur in the BRD, the average slope at most sites is fairly gentle. Figure 4.21 shows that all Early Period sites are located on relatively flat ground, while Middle and Late Period sites occur more frequently on steeper gradients. Of the sites with slopes greater than 15° (n = 15), two are rock shelters, one is a rock feature, and seven are sites located within steep canyons. These slopes are most likely skewed due to the use of 30 m buffers in the analysis and the general nature of the areas surrounding the sites. Upon examination of the vegetation communities on site, Early Period sites occur most frequently in xeric adapted communities and on playas, which comes as no surprise since these sites occur most often in the hot and dry BRD.

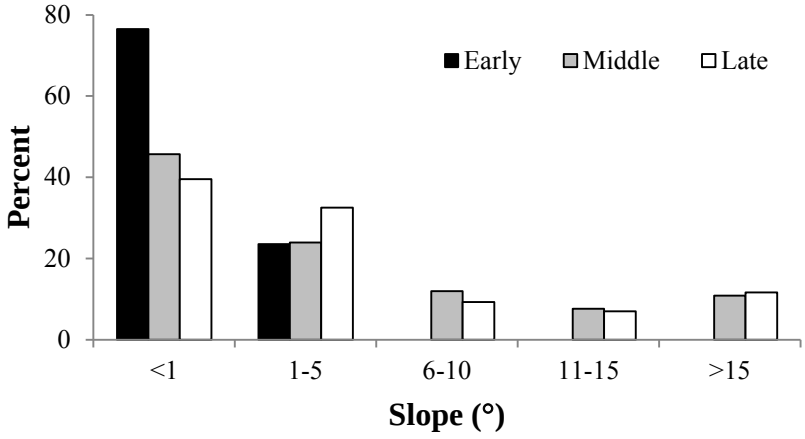


Figure 4.21. Slope of sites in the BRD/HRC by period.

However, the vegetation at those sites when they were originally occupied was almost certainly different. Also, Middle and Late Period sites occur in a variety of vegetation communities distributed throughout the BRD/HRC.

Size and raw material preference were also compared to the physical attributes of sites. The average elevation of small sites (1,554.64 m) is higher than those of medium (1,388.77 m) and large (1,477.89 m) sites; however, these differences are not statistically significant ($F = 2.163$, $df = 2$, $p = 0.122$). Significant differences in the average slope of sites by size ($F = 7.155$, $df = 2$, $p = 0.001$) show that small sites occur on steeper slopes more than medium and large sites. Regarding vegetation community, small and medium sized sites occur in a variety of types, while a majority of large sites are located on the playa or xeric sagebrush shrubland. Lastly, there is a clear relationship between elevation and raw material preference (Table 4.35) as CCS is significantly more prevalent at sites below 1,350 m, while obsidian and FGV are more common in sites above that elevation. This pattern is most likely a function of toolstone distribution, as CCS nodules are more prevalent in and along the margins of the BRD and volcanic toolstone sources are more abundant in the HRC.

Table 4.35. Raw Material Preference at Sites by Elevation.

	Elevation (m)	
Raw Material	**< 1,350**	**> 1,350**
Obsidian	44	33
CCS	46	14
FGV	11	10

$\chi^2 = 6.97$, $df = 2$, $p = 0.031$

Richness, diversity, and evenness were examined against elevation, slope, and vegetation community. Because slope and vegetation communities in this study seem to correlate with elevation, similar trends with regards to richness, diversity, and evenness are observed. Statistical tests (Tables 4.36-4.38) indicate that higher richness and diversity occur at sites at low elevations, on shallow slopes, and in xeric adapted vegetation communities (i.e., the BRD), while evenness is higher at sites at high

Table 4.36. Mean Richness, Diversity, and Evenness of Assemblages by Elevation.

	Elevation (m)			
Measure	**< 1.350**	**> 1.350**	**T-test Result**	**Significant?**
Richness	2.78	1.89	$t = 3.302$, $df = 87$, $p = 0.001$	yes
Diversity	0.70	0.45	$t = 2.433$, $df = 87$, $p = 0.017$	yes
Evenness	0.82	0.90	$t = -1.962$, $df = 55$, $p = 0.055$	no

Table 4.37. Mean Richness, Diversity, and Evenness of Assemblages by Slope.

	Slope (°)			
Measure	**< 5**	**> 5**	**T-Test Result**	**Significant?**
Richness	2.74	1.58	$t = 3.981$, $df = 87$, $p < 0.001$	yes
Diversity	0.70	0.03	$t = 3.191$, $df = 87$, $p = 0.002$	yes
Evenness	0.83	0.92	$t = -1.808$, $df = 55$, $p = 0.760$	no

Table 4.38. Mean Richness, Diversity, and Evenness of Assemblages by Vegetation/Land Cover.

Measure	**Playa**	**Mixed Salt Desert Scrub**	**Greasewood Flat**	**Xeric Mixed Sagebrush Shrubland**	**Big Sagebrush Shrubland**
Richness	2.75	3.00	2.14	2.43	1.58
Diversity	0.71	0.74	0.60	0.63	0.31
Evenness	0.86	0.79	0.91	0.85	0.89

elevation, on steeper slopes, and in big sagebrush scrubland (i.e., the HRC).

Summary

This chapter characterized the lithic assemblage from PCS and examined diachronic patterns of technological organization, raw material preference, and toolstone procurement. Results from XRF analysis of obsidian projectile points from four sites in the BRD/HRC were reported and toolstone procurement patterns for each site and the region as a whole were assessed across time. Lastly, the distribution and function of archaeological sites in the area of study were analyzed and related to the physical location of each site on the landscape to identify diachronic patterns of prehistoric land-use in the BRD/HRC.

Chapter 5

Technological Organization, Toolstone Procurement, and Land-Use

In this chapter I synthesize the results from Chapter 4 and utilize these findings to achieve the main goal of this study – to test current interpretations of Late Holocene archaeology in the BRD/HRC – by testing the hypotheses proposed in Chapter 1:

1) Differences in raw material preference should exist among various stages of reduction and tool classes as quality and proximity of toolstone were factors, but technological organization at PCS should not change across time;
2) Territorial ranges should expand post-1,500 cal BP as groups became more residentially mobile, and trade after this time should also increase as population densities peaked; and
3) Archaeological site assemblage diversity and richness should change overtime as mobility changed, and site locations should also change in response to changes in resource diversity and demography.

I evaluate each of these hypotheses individually and follow them with a summary of how these results compare to previous researchers' interpretations of Late Holocene archaeology in the BRD/HRC.

Technological Activities at PCS

Hypothesis 1: Differences in raw material preference should exist among various stages of reduction and tool classes as quality and proximity of toolstone were factors, but technological organization at PCS should not change across time.

In a region whose cultural chronology is largely based on findings from a few extensively excavated sites, PCS has the ability to add to interpretations of regional prehistory. While occupations at the site spanned much of the Late Holocene the most intense activities occurred within the last 1,500 years. This sudden shift may indicate a change in how the site was used from the latter half of the Middle Period (4,700-1,500 cal BP) to the Late Period (1,500 cal BP to contact). Therefore, I reconstructed the technological activities at PCS to identify how the site was utilized and determine if it changed over time.

The frequency of raw material types within tool classes was one of the primary characteristics used to describe the lithic assemblage from PCS. Andrefsky (1994) has shown that proximity to and quality of raw materials were factors that affected the organization of hunter-gatherer technology. In this study the highest quality raw material, obsidian, is at least 19 km from PCS, but lower quality CCS and FGV are available much closer. These factors appear to have influenced groups' decisions regarding technology, as formal tools (e.g., unhafted bifaces, projectile points) were manufactured on obsidian more so than informal tools (e.g., cores, flake tools). This trend indicates that the occupants of PCS preferred high quality obsidian for formal tools,

and most likely curated them (i.e., transported them across the landscape) to a greater degree than informal tools made of lower quality raw material.

Although obsidian appears to have been favored for formal tools, raw material frequencies varied somewhat within each tool class. For example, CCS is the dominant raw material among cores, but some obsidian specimens are present (see Table 4.2). While we cannot know exactly how far the CCS cores were carried before they were deposited at PCS, we do know that obsidian cores were transported up to 85 km and were smaller than both CCS and FGV cores, which may mean that the latter originated at closer sources. Obsidian cores appear to be at the end of their use-lives, suggesting that they were curated longer, possibly due to their higher raw material quality. A similar pattern is present in flake tools: more obsidian flake tools are made on prepared flakes than CCS flake tools (see Figure 4.4). Again, this trend suggests that the occupants of PCS took the quality of raw material into consideration when they manufactured flake tools. As a consequence, they minimized the amount of obsidian wasted by either carefully detaching them from cores or recycling flakes removed during biface reduction. No differential degrees of retouch on flake tools is apparent between raw material types, possibly due to the widespread availability of raw material in the region, which reduced the need to maximize those tools' use-lives.

Biface reduction curves for PCS illustrate a similar picture (see Figure 4.7). Cumulative percentages show that FGV tools closely follow an ideal quarry curve, obsidian tools follow an ideal repair curve, and CCS tools lie somewhere in the middle. It is clear that obsidian bifaces underwent early stages of reduction elsewhere before they were brought to and deposited at PCS (LaValley 2011). As Beck et al. (2002) suggested,

this strategy prevented additional trips back to the obsidian source in case of breakage during biface reduction while it also reduced weight associated with low-utility cortex. This pattern may also reflect curation, in that tools were increasingly reduced and retouched as they were carried away from their sources. Results from the debitage analysis verify this trend, as obsidian flakes exhibit a higher frequency of complex platforms indicative of later stages of reduction and retouch. Likewise, shatter and flakes with simple platforms, which reflect early stages of reduction, are more often made on CCS than obsidian.

Differences in raw material type between artifact classes are also present within the obsidian assemblage from PCS. X-ray fluorescence analysis reveals that flakes were transported less distance than tools and exhibit less diversity than finished bifaces (see Table 4.17). There are also significantly more tools than flakes manufactured on non-local obsidian (see Table 4.18). Because obsidian sources in the region share a similar degree of quality, it is unlikely that groups preferred one obsidian source for finished tools and another for flakes (e.g., as is the case for obsidian and CCS). Rather, nearby obsidian was likely brought to PCS at an early stage of reduction, reduced with flakes being discarded on site, and the further reduced tools taken away, while artifacts in later stages of use from more distant sources were discarded at PCS. Although no significant differences in average transport distance occur between early and later stage bifaces as might be expected, later stage bifaces from PCS do exhibit greater diversity than early stage bifaces (see Table 4.12). Additional source provenance data from flakes show that only one non-local obsidian flake possesses cortex, while flakes with simple platforms are exclusively produced on local obsidian (see Table 4.11). These trends support the

notion that early stages of reduction were carried out using local obsidian, and later stages of reduction occurred more often on non-local obsidian.

Diachronic shifts in the lithic assemblage from PCS may reflect broader trends in the BRD/HRC. In most cases, there are no changes over time in the specific technological characteristics examined here. The size and frequency of raw material types for cores, flake tools, and unhafted bifaces do not differ between components at PCS, except that flake tools from Component 4 are larger, exhibit more simple platforms, and display more cortex than flake tools from later components. Groundstone analysis indicates that there was no change in use intensity through time as measured by degree of wear (see Figure 4.13) and biface reduction curves are consistent across components (see Figure 4.8). There are some incongruities between components regarding debitage; for example, flakes from Component 3 exhibit a higher frequency of simple platforms and cortex than flakes from Components 1/2 and 4.

It is evident that the organization of technology at PCS was diachronically consistent, but that the frequency and intensity in which the site was occupied varied greatly. The total number of artifacts substantially increased from Component 4 to Components 3 and 1/2, indicating that the site was occupied more often and/or for longer time during the Late Period (post-1,500 cal BP). Counts for separate artifact types did not increase uniformly, as projectile points were more prevalent in the Middle Period, and other artifact types (e.g., flakes, unhafted bifaces, flake tools, cores, groundstone) became more common in the Late Period. A high ratio of points to other tools during the Middle Period suggests the PCS was visited for very short-term stays, possibly by hunting parties. Because the assemblage became more diverse and occupation of the

shelter was more frequent after 1,500 cal. BP, PCS was likely used for more than short stops on hunting forays during the Late Period.

Raw material frequencies within each artifact class provide additional evidence for this shift. The relative abundance of CCS for cores, debitage, and projectile points continuously increases through time. This pattern is most evident with projectile points (see Figure 4.6), where Late Period points were made equally on obsidian and CCS, as opposed to Middle Period points, which were dominated by obsidian (81.82%). As CCS is more commonly found in and around the BRD and obsidian sources are located in the HRC, it appears that Late Period groups utilized toolstone from the BRD to a greater degree than Middle Period groups. Source provenance data show that Double H/Whitehorse and Paradise Valley obsidian types, found 85 km northeast and 122 km east of PCS, respectively, were only present in the Late Period. This increased reliance on raw material from outside the HRC in the form of non-local obsidian and CCS from the BRD during the Late Period is indicative of either a shift in foraging ranges or increased ties with groups living there.

A closer inspection of raw material frequencies and source provenance data, reveals that this shift did not happen all at once, but instead occurred gradually. While CCS became more abundant in the PCS assemblage through time, it is most prevalent in Component 1/2 (i.e., the latter half of the Late Period). Likewise, source profiles for Desert Series points are significantly different from those of Middle Period points, as points were transported greater distances and made on more diverse toolstone types.

This shift in source profiles may be explained by changes in direct procurement strategies or increased trade for socioeconomic purposes. If direct procurement strategies

shifted, then all artifact classes should exhibit similar source profiles. However, since finished tools were transported farther and are made on more diverse materials, this is not likely to have been the case, leaving increased trade a more parsimonious explanation. Because obsidian is abundant and easily accessible in the region, economic trade for obsidian was likely uncommon. Also, if toolstone was traded for economic purposes, all artifact classes should have similar source profiles, which is not the case. This suggests that trade for social purposes is the most probable explanation. Since Late Period groups utilized toolstone resources in the BRD more so than Middle Period groups, they likely encountered other neighboring groups more frequently, thus promoting increased trade to mediate social interactions.

Toolstone Procurement in the BRD/HRC

Hypothesis 2: Territorial ranges should expand post-1,500 cal BP as groups became more residentially mobile, and trade after this time should also increase as population densities peaked.

As Binford (1979) suggested, toolstone acquisition was typically incorporated into other excursions (e.g., logistical hunting forays or residential relocations) to minimize procurement costs; therefore, the degree of movement (i.e., territorial range) of groups can be measured by understanding their toolstone procurement strategies via artifact source profiles. Resource availability and distribution, human population densities, and mode of settlement are just some factors that affect hunter-gatherer

movement (Kelly 2007). Previous research in the BRD/HRC by Smith (2010) identified shifts in territorial ranges between the Early, Middle, and Late Periods. He concluded that mobility was highest during the Early Period and declined during the Middle Period. Smith (2010) also argued that mobility increased from the Middle to the Late Period, as evidenced by greater average transport distance and diversity.

Source provenance data from PCS, Hanging Rock Shelter, Silent Snake Springs, and Smokey Creek Cave further characterized toolstone procurement strategies of the region. Results from PCS do not identify an increase in territorial range between the Middle and Late Periods; however, upon subdividing Late Period diagnostic artifacts into Rosegate and Desert Series points, it becomes apparent that Rosegate Series points travelled farther than Middle Period points, while Desert Series points were transported even farther (see Table 4.15). These results suggest that the territorial ranges of PCS occupants gradually increased throughout the Late Period. As I have argued above, increased trade during the latter half of the Late Period (650 cal BP to contact) may have been responsible for what might also be perceived as increased territorial range.

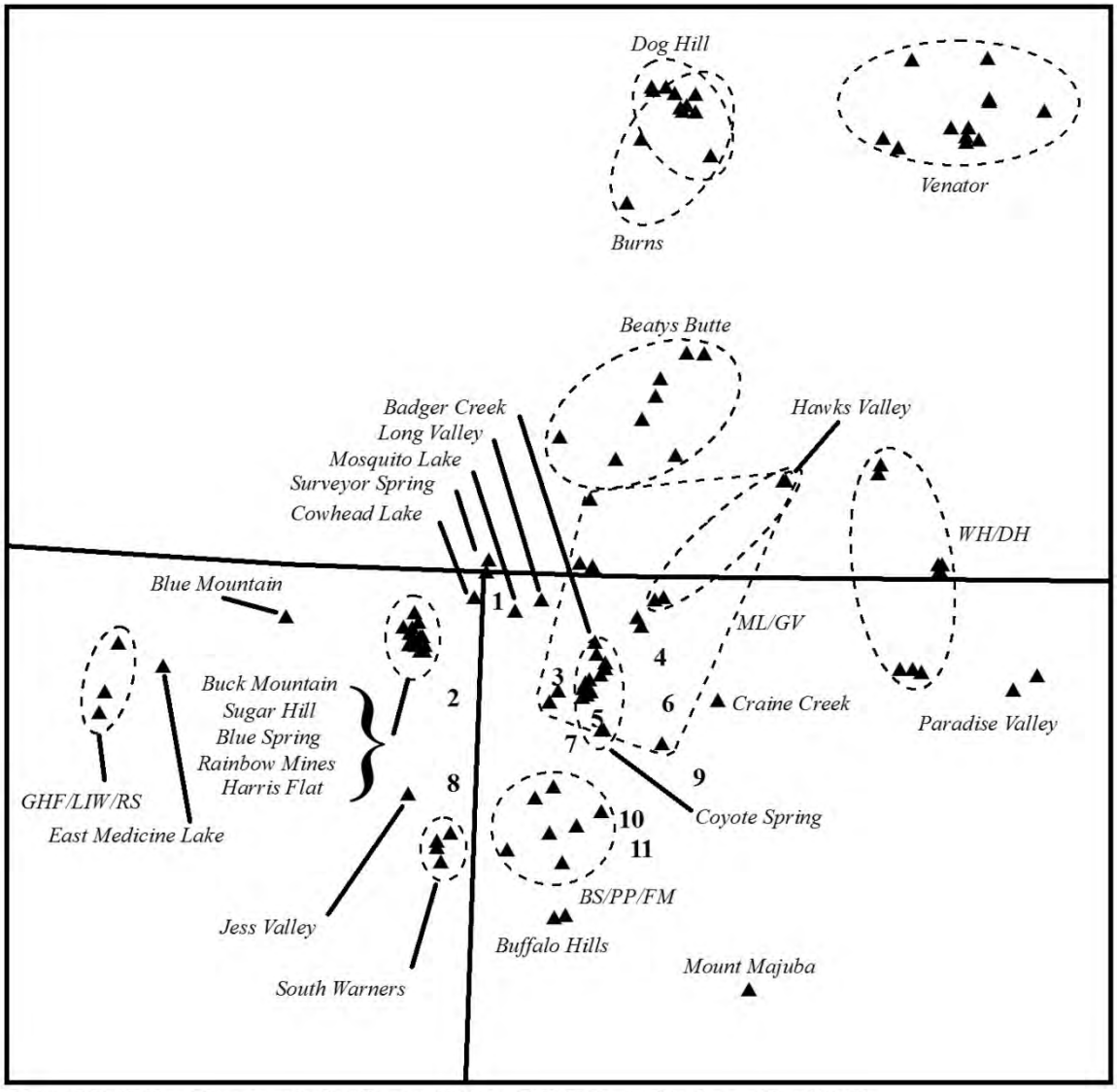
Source profiles from Hanging Rock Shelter also appear to have shifted between the Middle and Late Periods, but not in the manner observed at PCS. At the former site, Desert Series points were transported shorter distances, exhibit less diversity, and are more often made on local toolstone than both Middle Period and Rosegate Series points (see Table 4.23). These results suggest that territorial range decreased in the Late Period, more specifically during the latter half of it. This conflicting pattern is likely due to the increased exploitation of the local Coyote Spring FGV (7 km away) to produce Desert Series points late in prehistory.

Although small sample sizes from Silent Snake Springs and Smokey Creek Cave prevent meaningful diachronic comparisons within those assemblages, source profiles from all four sites were compared to assess patterns of toolstone procurement throughout the region. Comparisons of source provenance data between sites reveal very few significant differences in source profiles. Points from PCS were transported farther than those from Hanging Rock Shelter (see Table 4.25), but this is likely due to the differences in Desert Series points, wherein those points from PCS were transported farther than others from that site, while those points from Hanging Rock Shelter were transported shorter distances than others from that site. Also, points from Smokey Creek Cave exhibit greater diversity than those from PCS (see Table 4.25), but this may be a function of the number of toolstone sources near Smokey Creek Cave as compared to PCS. When source provenance data from all four sites were combined, no significant changes in source profiles between the Middle and Late Periods occur. These results suggest that territorial range neither increased nor decreased during the Late Holocene and that any significant patterns evidenced at the individual site level were indistinguishable on a broader scale.

Since these interpretations contradict previously conclusions about toolstone procurement strategies in the BRD/HRC, further consideration of the results and conclusions reported by Smith (2010) are warranted. Like the current study, Smith (2010) used source provenance data from multiple sites in the BRD/HRC. In addition to Smith's and my own data, source provenance data from Serendipity Shelter (Leach 1988) and Surveyor Spring (John Fagan, personal communication 2013) were also employed. The location of all sites included and results of statistical comparisons are present in

Figure 5.1 and Table 5.1. Combined, these results showed that Late Period points were transported farther, but did not have a greater diversity than Middle Period points. However, only data from one site, Last Supper Cave, exhibits significant differences between Middle and Late Period source profiles. It appears that the patterns evident at Last Supper Cave were amplified by the relatively large sample size from that site (n = 535). Consequently, the trend observed at Last Supper Cave appears to skew regional patterns of toolstone procurement even though none of the other sites in the region exhibited such a trend. This has probably created the appearance that Late Period territorial ranges in the BRD/HRC were greater than those of the Middle Period. Therefore, an assessment of source provenance results at the site level rather than one large dataset for all sites may prove more productive at addressing toolstone procurement strategies.

For a strong foundation on which to base further interpretations I turn to McGuire's (2002a) work along the Sierra/Great Basin interface. The powerline project from which McGuire's (2002a) data originated runs along this interface until it reaches just west of the southern edge of Surprise Valley, at which point it veers northwest and out from the Great Basin. Source provenance data from the southern segment of the project illustrates a strong reliance on obsidian sources from the Great Basin to the east, including Buffalo Hills (formerly Unknown B), Bordwell Spring, and South Warners. McGuire (2002a) suggested that this dependence on eastern sources reflects strong ties between groups along the interface and the Great Basin, perhaps as far away as the Humboldt and Carson sinks. He also argued that there were stable spheres of obsidian production within the subregions of the interface throughout the Middle and Late Periods,



Note: ML/GV = Massacre Lake/Guano Valley; WH/DH = Whitehorse/Double H; BS/PP/FM = Bordwell Spring/Pinto Peak/Fox Mountain; GHF/LIW/RS = Grasshopper Flat/Lost Iron Well/Red Switchback.

Figure 5.1. Sites and obsidian sources included in this study. 1. Surveyor Spring, Rock Creek; 2. King's Dog; 3. Massacre Lake Basin; 4. Last Supper Cave; 5. Hanging Rock Shelter; 6. Parman Localities; 7. Serendipity Shelter; 8. Southern Surprise Valley; 9. Paiute Creek Shelter; 10. Silent Snake Springs; 11. Smokey Creek Cave.

Table 5.1. Comparisons of Average Transport Distance and Diversity for Each Site.

Site and Age	Average Transport Distance (km)	*p*	Adjusted Diversity	*p*
Last Supper Cave				
Middle (n = 448)	12.38	0.001	9.24	0.991
Late (n = 87)	21.52		14.00	
Southern Surprise Valley				
Middle (n = 107)	32.01	0.696	9.07	0.451
Late (n = 78)	30.60		8.00	
King's Dog				
Middle (n = 109)	32.02	0.263	9.29	0.448
Late (n = 55)	34.67		8.00	
Massacre Lake Basin				
Middle (n = 45)	17.69	0.708	5.92	0.646
Late (n = 21)	20.05		6.00	
Parman Localities*				
Middle (n = 24)	13.38	0.786	1.60	0.849
Late (n = 2)	10.00		2.00	
Rock Creek*				
Middle (n = 14)	10.79	0.842	3.70	0.727
Late (n = 7)	11.86		4.00	
Paiute Creek Shelter				
Middle (n = 28)	27.89	0.095	3.77	0.426
Late (n = 25)	48.75		5.00	
Hanging Rock Shelter				
Middle (n = 76)	29.25	0.104	14.00	0.101
Late (n = 79)	23.26		10.00	
Silent Snake Springs*				
Middle (n = 42)	23.02	0.412	2.13	0.838
Late (n = 5)	29.20		3.00	
Smokey Creek Cave*				
Middle (n = 17)	27.06	0.511	2.93	0.869
Late (n = 6)	34.17		4.00	
Serendipity Shelter*				
Middle (n = 4)	31.00	0.663	3.00	0.922
Late (n = 16)	21.56		2.33	
Surveyor Spring				
Middle (n = 63)	22.06	0.464	5.53	0.670
Late (n = 12)	17.00		5.00	
Total				
Middle (n = 977)	20.10	0.001	20.68	0.935
Late (n = 391)	27.09		22.00	

* small/uneven sample size

as source profiles for these periods do not differ greatly (Figure 5.2).

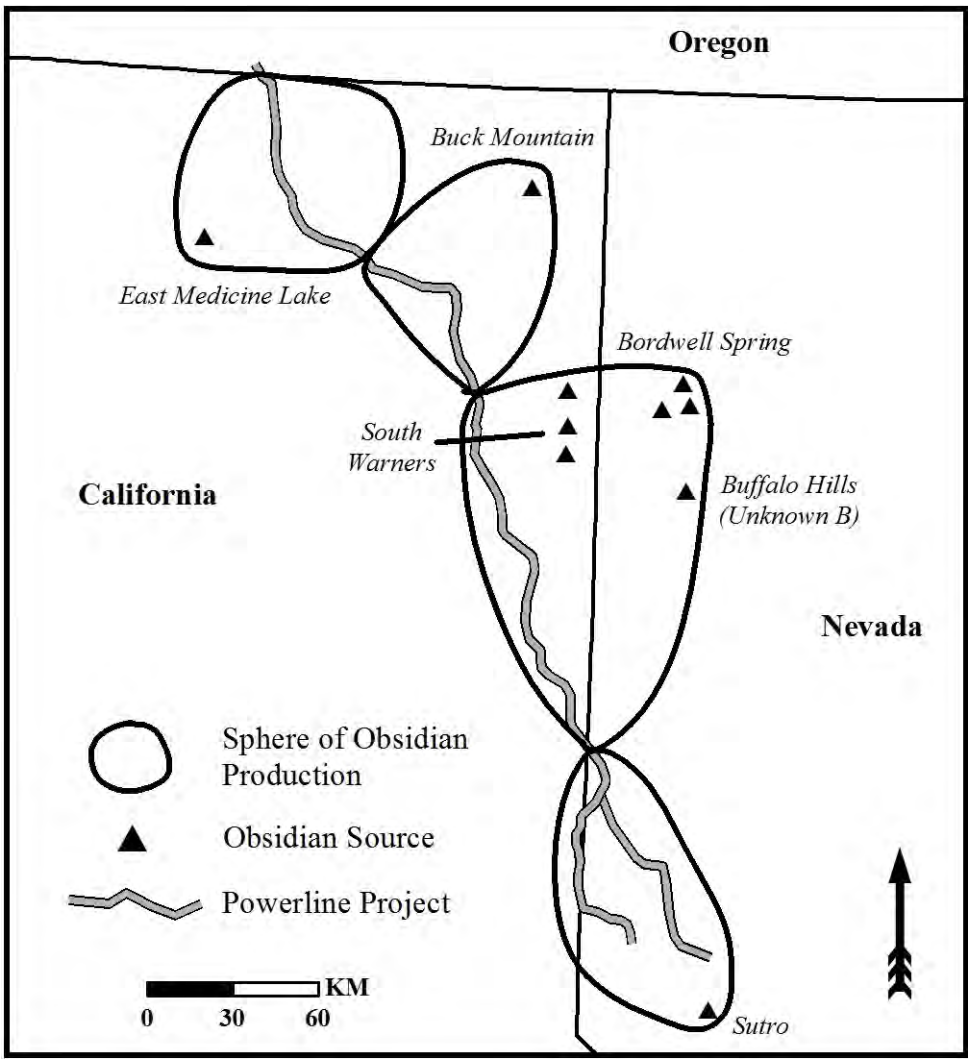


Figure 5.2. McGuire's (2002a) spheres of obsidian production along the Sierra/Great Basin interface.

It is reasonable to think that these stable spheres of obsidian production continued north along the Sierra/Great Basin interface into Surprise Valley. Source provenance data from southern and central Surprise Valley (Hughes 1986; O'Connell 1975) and just

northeast of the valley at Rock Creek (Konoske 2006) and Surveyor Spring (Fagan pers. comm. 2013) indicate that this may have been the case. In southern Surprise Valley, over 90 percent of the obsidian originated from three sources, Bordwell Springs/Pinto Peak/Fox Mountain (BS/PP/FM), South Warners, and Buck Mountain, with nearly half originating from BS/PP/FM. Of the remaining artifacts, only three (1.62%) were manufactured on obsidian found outside the HRC. Similarly, over 85 percent of obsidian projectile points from the King's Dog site in central Surprise Valley were produced on four sources, Buck Mountain, BS/PP/FM, South Warners, and Massacre Lake/Guano Valley (ML/GV), with 60 percent made on Buck Mountain obsidian. Again, only three (1.83%) artifacts were made on obsidian sources located west of the Sierra/Great Basin interface. Also, all but one obsidian point from Rock Creek and Surveyor Spring originated from the HRC and Sierra/Great Basin interface.

It appears then that populations along this interface may have interacted with Sierra groups occasionally, but their primary movements encompassed the area immediately adjacent to Surprise Valley. O'Connell (1975) argued that populations established residential bases along the shallow lakes of Surprise Valley during the winter and travelled into the uplands during the summer. Being in a valley, they had two uplands from which to choose. Source provenance data indicated that they utilized the western uplands to procure South Warner and Buck Mountain obsidian and the eastern uplands (e.g., the HRC) to procure BS/PP/FM and ML/GV obsidian. How far they may have ventured into the HRC is a question best answered by looking at source provenance data from sites further to the east, where obsidian types from the Sierra/Great Basin interface (e.g., South Warners, Buck Mountain, Cowhead Lake, Surveyor Spring, etc.)

greatly decreased in frequency. At Massacre Lake, 30 km east of Surprise Valley, only 12 percent of the obsidian points were manufactured on western sources (Leach 1988). Other sites including Serendipity Shelter, Hanging Rock Shelter, Silent Snake Springs, and Last Supper Cave, had so few artifacts made on these sources that it was likely that they were obtained through trade rather than direct procurement.

The southernmost sites in this study, Silent Snake Springs and Smokey Creek Cave, had the highest frequency of BS/PP/FM and Buffalo Hills obsidian within their assemblages and Silent Snake Springs also had a point manufactured on South Warners obsidian. McGuire (2002a) showed that groups along the Sierra/Great Basin interface with preferences for South Warner obsidian also had large numbers of BS/PP/FM and Buffalo Hills (formerly Unknown B) obsidian within their assemblages. Because multiple groups utilized common toolstone sources it is likely that they came into contact with one another, perhaps leading to an exchange of information, food, and/or tools. McGuire (2002a) also postulated that the southernmost populations along the project corridor had ties with people as far away as the Humboldt and Carson sinks. The only obsidian (Mount Majuba) from that area found in the current study's sample occurred at Silent Snake Springs (n = 1) and Smokey Creek Cave (n = 2), suggesting that the groups who occupied these sites not only interacted with western populations but also interior Great Basin groups.

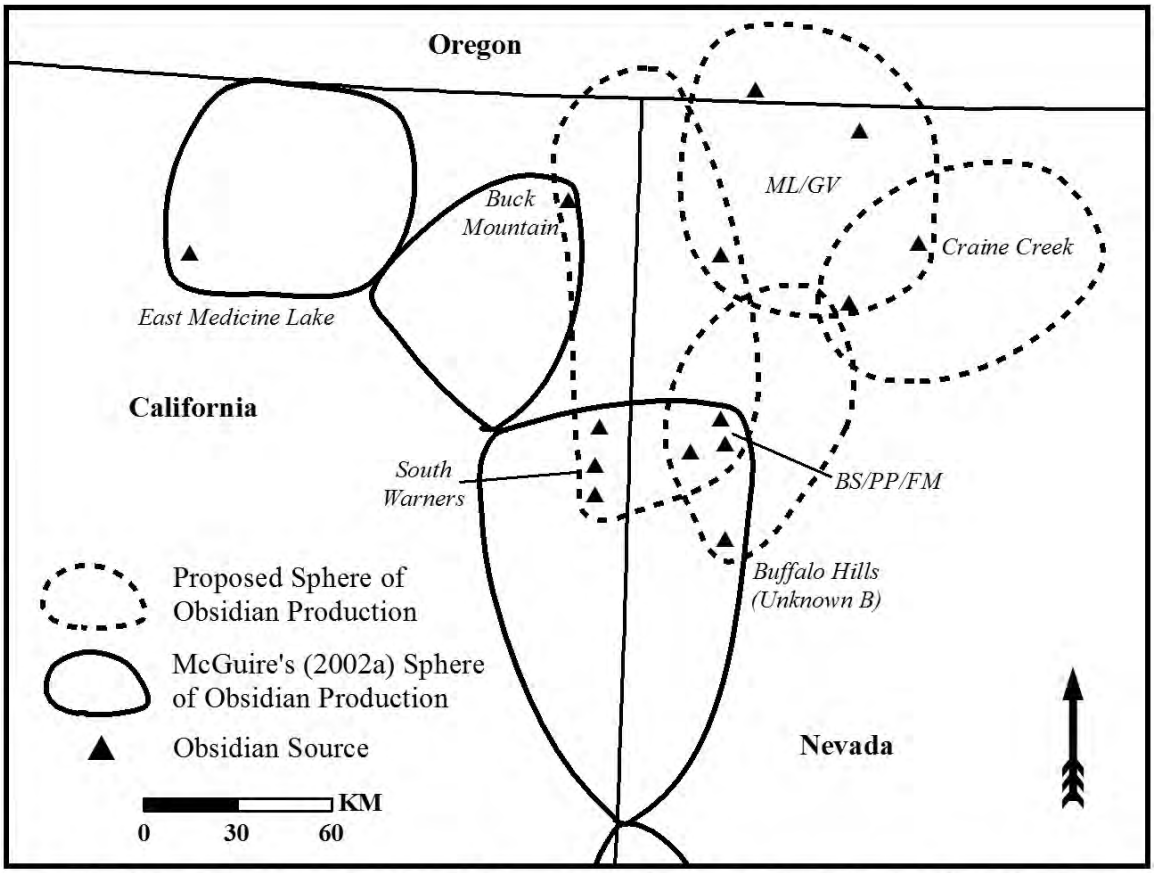
Source provenance data from PCS reveal that the site's occupants also probably traded with neighboring groups, at least late in prehistory. While a majority of obsidian artifacts from PCS are made on material from within the HRC, the presence of

Whitehorse/Double H and Paradise Valley, Burns and Dog Hill, and BS/PP/FM and Buffalo Hills obsidian at the site may reflect interactions with more distant groups.

As PCS, Silent Snake Springs, Smokey Creek Cave, and the Surprise Valley sites are all located on the periphery of the HRC interactions with neighboring groups may have been common. The remaining sites in this study, including Hanging Rock Shelter, Last Supper Cave, and the Parman localities are located in the heart of the HRC, where obsidian is abundant. They are surrounded by a vast distribution of ML/GV obsidian, along with several other more localized types (e.g., Coyote Spring, Hawks Valley, Badger Creek, Craine Creek). The large expanse and homogenous geochemical signature of ML/GV obsidian throughout the region hinders fine-grained interpretations of toolstone procurement in the HRC. For example, ML/GV obsidian could have been procured from 80+ km or from less than 1 km from Last Supper Cave. Because it is generally assumed that groups procured toolstone efficiently by choosing the closest source, it would appear that the occupants of Last Supper Cave rarely strayed far from the site. This was probably not the case and visitors to Last Supper Cave likely brought ML/GV obsidian procured from many different locations into the site. The same can be said for Hanging Rock Shelter and the Parman localities.

Since no significant differences in source profiles except those addressed from Last Supper Cave exist between Middle and Late Period occupations within the BRD/HRC, I suggest that the observed consistency in toolstone procurement strategies across time is direct evidence for stable spheres of obsidian production in the BRD/HRC similar to those observed by McGuire (2002a) along the Sierra/Great Basin interface. Based on source provenance data from individual sites, the BRD/HRC can be divided

into at least four spheres of obsidian production: (1) western – Surprise Valley; (2) southern – BS/PP/FM; (3) eastern – BRD; and (4) northern – the obsidian heart of the HRC (Figure 5.3). As sometimes more than one source is dominant within assemblages and trade likely occurred, these spheres may have slightly overlapped. The obsidian heart of the HRC is treated as one sphere of production; however, it may be possible that more than one existed or that the spheres surrounding it converged within the area. Without being able to distinguish between sub-sources of ML/GV, the extent and



Note: ML/GV = Massacre Lake/Guano Valley; BS/PP/FM = Bordwell Spring/Pinto Peak/Fox Mountain.

Figure 5.3. Proposed spheres of obsidian production in the BRD/HRC.

composition of such a sphere is speculative and cannot be absolutely determined. By addressing each site's source provenance data individually, rather than combining data from all sites, a potentially more accurate assessment of the region's toolstone conveyance is possible.

Land-Use in the BRD/HRC

Hypothesis 3: Archaeological site assemblage diversity and richness should change overtime as mobility changed, and site locations should also change in response to changes in resource diversity and demography.

In the 30+ years since the last major overview of the prehistory of the BRD/HRC was presented, many new archaeological sites have been recorded and new technologies such as NVCRIS and ArcMap have facilitated an assessment of prehistoric land-use strategies. With these tools, I was able to access records for all sites in the area of study and extract physical attributes of their locations to address site distribution, function, and location on the landscape.

Determining archaeological site distribution in the BRD/HRC proved helpful in uncovering biases in data collection. Because the dataset used in this study is a conglomeration of 50 years of independent archaeological surveys, sites are clustered on the landscape as a function of project locations, rather than simply a function of prehistoric behavior (see Figure 4.17). Fortunately, the foci of these projects were varied and provide a fairly even representation of sites on all landforms and from all time

periods. In general, the area of study is divided equally between lowlands (e.g., the BRD) and uplands (e.g., the HRC), with the distribution of sites following suit (see Figure 4.18).

Identifying site function was the next step to classifying land-use patterns. Each site was quantitatively characterized by the composition and structure of its lithic tool assemblage through the calculation of richness, diversity, and evenness to evaluate the variety and degree of inferred activities. Without establishing a restrictive mode of settlement (e.g., Binford's [1980] forager-collector continuum) with which to interpret the dataset, I assume that residential/base camps, which are typically occupied for longer periods of time and play host to a variety of technological and subsistence activities (Andrefsky 2005; Chatters 1987; Kelly 1983; Shott 1986) have richer and more diverse lithic assemblages. Conversely, temporary task-specific sites associated with hunting, gathering, or procuring other resources have lower values of richness and diversity (Andrefsky 2005; Chatters 1987; Kelly 1983; Shott 1986). Sites in which one particular task is performed more often than another (e.g., quarry, plant processing, hunting trap) have low evenness, while sites with generalized assemblages have high evenness. Thus, it is possible to identify how site function changed over time and where on the landscape groups performed particular activities.

Diachronic comparisons of these measures show that Early Period sites have richer and more diverse assemblages than Middle Period sites (see Table 4.34). These results support the current understanding of how lifeways shifted following the Early Period. While there is much debate as to whether Pre-Archaic groups were more residentially or logistically mobile (Graf and Schmitt 2007), there is consensus (Grayson

2011; Kelly 1997; O'Connell and Hayward 1972) that logistical mobility increased after the Early Period as warmer climate and resource shortfalls restricted residential base locations to select reliable settings, thus generating the need for smaller parties to gather resources away from the bases (Kelly 1997). Since it has been established above that task-specific sites produce low richness and diversity values (Andrefsky 2005; Chatters 1987; Shott 1986), it appears that these types of sites are more prominent during the Middle Period. This is not to argue that logistical task-specific Early Period sites do not occur; however, all Early Period sites in this study are located along extinct pluvial lake shorelines. These locations were rich in resources and were the main focus of Pre-Archaic settlement in the Great Basin (Beck and Jones 1997; Bedwell 1973; Jones and Beck 1999; Layton 1979). Late Period sites in the area of study exhibit richer and more diverse lithic assemblages than Middle Period sites, but they are less rich and diverse than Early Period sites (see 4.34). Although these differences are not significant, the general pattern suggests that either the frequency of task-specific sites decreased and/or the frequency of residential bases increased between the Middle and Late Periods. Many researchers (Beck 1984; Connolly and Jenkins 1997; Elston 1986; Jenkins 1994; Jones 1984; Leach 1988; McGuire 2002b; O'Connell 1975) have argued for increased residential mobility in the Late Period. Such a pattern would have produced more residential bases but not necessarily altered the frequency of smaller task-specific sites.

To demonstrate that these diachronic differences in richness and diversity are not the result of factors unrelated to prehistoric settlement strategies (e.g., site size, raw material preference), richness, diversity, and evenness were evaluated against these factors. While richness and diversity are positively correlated and evenness is negatively

correlated to site size, there are no significant correlations between site size and time period (see Table 4.30). Therefore, site size is not biasing the diachronic patterns observed. Also, there is no significant correlation between raw material preference and site size, nor is there a correlation between time period and raw material preference. Thus, changes in richness and diversity across time likely reflect shifts in prehistoric settlement strategies.

Lastly, GIS was employed to gather attribute data (e.g., elevation, slope, and vegetation community) for site locations on the landscape to identify diachronic patterns of land-use. On average, Early Period sites are lower in elevation than Middle and Early Period sites (see Table 4.34). With the exception of a few sites located on shorelines of extinct pluvial Lake Parman (Layton 1970, 1979; Smith 2006) and Paiute Lake (Burke et al. 2010; Fenner and Smith 2011), upland sites that could be assigned to particular periods belong to the Middle and Late Periods. This excluded Last Supper Cave and Hanging Rock Shelter, both upland sites occupied during the Early Period (Layton 1970; Layton and Davis 1978); however, Elston and Davis (1979) observed a general paucity of Early Period sites in the HRC. It was not until the Middle Period that sites became abundant at higher elevations. Many researchers (e.g., Elston 1982; Kelly 1997; Layton 1970; McGonagle 1975) assert that it was during the Pre-Archaic/Archaic transition that groups began to exploit a wider variety of plant and animal resources at higher altitudes as a result of scarcer resources in lower elevations. Also, while Layton (1970) and McGonagle (1975) suggested that a temporary abandonment and/or reduced population density occurred in the HRC after the Middle Period, with a Late Period resurgence in

upland use not quite as intensive as the previous period, my results reveal no significant difference in the mean elevation of sites between these two periods.

Slope and vegetation communities of sites differ among periods as well. These results may be an outcome of the general distribution of sites across the landscape. Early sites, which occur most frequently along shorelines of extinct pluvial bodies of water, tend to have shallow to no slopes. Vegetation at these sites today is likely different than the vegetation present at those sites when they were occupied (Grayson 2011) and comparison with later period sites is unwise. Likewise, the vegetation communities at some early Middle Period (8,300-5,000 cal BP) sites were also different from today. However, later Middle (5,000-1,500 cal BP) and Late Period sites are found on a wide range of slopes and among a variety of plant communities in both the BRD and HRC. This suggests that groups during these periods may have exploited more resources across a broader range than earlier groups. With regards to site size, larger sites typically occur at lower elevation and on shallow slopes, while smaller sites occur higher and on steeper slopes. This trend is potentially a consequence of taphonomic effects such as gravity and slopewash, which can alter the size, composition, or location of a site on steeper slopes. However, logistical forays into the uplands for hunting animals or gathering plants would have produced smaller sites at higher elevations. Lastly, sites in the BRD are on average richer and more diverse than upland sites. If logistical trips were made into the HRC to procure specific resources not available in the BRD, then such a pattern would be expected, as the purposes of these trips demanded specialized toolkits, thus resulting in low richness and diversity.

Summary

In this chapter I addressed each of the three questions posed at the onset of this thesis to meet my primary goal: provide an updated overview of Late Holocene archaeology in the BRD/HRC. Through lithic analysis, an analysis of source provenance data, and a regional site inventory, the land-use and mobility strategies of the region's prehistoric occupants have been evaluated and re-interpreted. My results support some previously established interpretations and bring others into question.

The regional site inventory produced results that reinforce previous researchers' interpretations regarding the land-use strategies of groups in the BRD/HRC, and supplies quantitative evidence for such conclusions. Although not a major focus of this thesis, the site inventory illustrates that early groups, adapted to the moister/cooler climate of the Terminal Pleistocene/Early Holocene, left archaeological sites on the margins of pluvial lakes. Their lithic assemblages were rich and diverse, indicating that a variety of activities were carried out and that these sites likely served as residences. Sites such as Hanging Rock Shelter and Last Supper Cave were likely occupied by early groups utilizing the shelters on logistical forays or during trips through the HRC between pluvial lakes in southern Oregon and Lake Lahontan (*sensu* Smith and Kielhofer 2011). However, as Layton (1970) and McGonagle (1975) suggested, the site inventory shows that early groups conducted limited excursions into the HRC away from pluvial lake settings.

It was not until the Middle Period that the HRC was extensively occupied. This is a trend recognized by Layton (1970), McGonagle (1975), Elston and Davis (1979), and

Lohse (1980) and supported by the abundant presence of Middle Period sites at all elevations. This expansion of land-use was likely spurred by the need for dietary and resource diversification during environmentally unstable episodes. By exploiting a wider array of plants and animals, some of which had low return rates, and deploying logistical forays from dependable residential bases, Middle Period groups mitigated resource shortages. Subsequently, the lithic assemblages left by these task-specific parties were small and exhibited low richness and diversity. Middle Period sites not only occur at higher elevations than Early Period sites, but they also vary significantly in richness and diversity, with the smaller, less rich, and less diverse sites located most frequently in the uplands – areas where logistical groups may have travelled to procure resources. Evidence for logistical parties in the HRC during that time is seen at PCS, where Middle Period occupations contained faunal remains of large game (Schmitt 2008) and higher frequencies of projectile points than other tool types. Residential structures dating to the Middle Period have yet to be found in the HRC; however, these types of features have been identified around the margins of the region including Surprise Valley (O'Connell 1975), Duck Flat (Creger 1991), the Buffalo Hills (Kolvet 1995), and the southern edge of the BRD (Seck 1980). The possibility remains that either residences in the HRC exist but have not yet been recorded, or that temporary constructions and rock shelters constituted residential structures unlike the semi-permanent structures observed along the region's margins.

Whether by misinterpreting obsidian hydration data or simply the lack of finding the right sites, Layton (1970) claimed that groups either abandoned the HRC or that population levels were low between the Middle and Late Periods (ca. 1,500 cal BP). The

occupational history of PCS suggests otherwise, because occupations there intensified during this time. Results from the regional site inventory show no statistically significant changes in land-use, as Late Period sites occur at similar elevations to Middle Period sites, refuting the notion of a partial abandonment of the region. Although not statistically significant, Late Period assemblages were on average richer and more diverse than Middle Period sites, which may be considered at least impressionistically significant. If this pattern signified a return to lowland adaptation, as witnessed in the Early Period, then Late Period sites should not occur with great frequency at higher elevations. However, many task-specific Late Period sites are located in the uplands; therefore, an increase in the number of residential bases might have driven up the average richness and diversity values. A general instability in environmental conditions during the Late Period (Bettinger 1999; Grayson 2011; Mensing et al. 2004) may have been accountable for such an increase – a pattern observed in Surprise Valley to the west (O'Connell 1975) and Steens Mountain to the north (Beck 1984). Increased residential moves would have created more residential sites, thus skewing average richness and diversity values for the Late Period. A lack of village sites in and around the BRD/HRC precludes any identification of this transition via changes in residential structures as seen in Surprise Valley (O'Connell 1975). Intensified occupation at PCS at this time suggests that the site was visited more often and by groups other than just logistical hunting parties. Substantial increases in the frequency of groundstone, bone tools, cores, flake tools, and debitage indicate that a greater variety of activities were carried out at the site during the Late Period. Large game continued to be the dominant fauna consumed at the site (Schmitt 2008), but seed processing equipment suggests a broader utilization of

dietary resources from the BRD and HRC. In the absence of semi-permanent residential structures yet to be discovered, I suggest that PCS and other rock shelters were utilized as temporary residential bases during the Late Period as groups increased the frequency in which they moved.

New obsidian source provenance data from several sites in the BRD/HRC, as well as a re-examination of previously reported data, provide sufficient evidence to revise the current understanding of Late Holocene toolstone procurement strategies in the region. Data from several types of artifacts from PCS including flakes, cores, bifaces, and projectile points conform to the assertions made by Eerkens et al. (2007) that formal and informal artifacts exhibit different source profiles. Additionally, as Smith et al. (2012) have argued, trade during the latest period of prehistory (650 cal BP to contact) is evident at PCS. This trade was predominately with groups to the north and northeast, supporting the possibility that Late Period occupants of PCS utilized the BRD to a greater degree than earlier populations. Source provenance data from the Cane Spring sites on the margin of the BRD about 7 km from PCS also reveal a connection with groups to the northeast, with the presence of Whitehorse/Double H and Paradise Valley obsidian there (Hauer and Branch 2011). A lack of stratigraphic integrity from the other sites used in this study prevents such a pattern from being recognized elsewhere in the region; however, McGuire (2002a) notes a similar situation along the Sierra/Great Basin interface just west of the HRC.

The combining of source provenance data from PCS, Hanging Rock Shelter, Silent Snake Springs, and Smokey Creek Cave provide results contradicting those produced by Smith (2010). Contrary to his suggestion that territorial ranges increased in

the BRD/HRC between the Middle and Late Periods, the results presented here reveal no significant differences in source profiles across time. A closer inspection of the data employed by Smith (2010) shows that only one site, Last Supper Cave, exhibits significant differences in Middle and Late Period source profiles. Due to the expansive distribution of ML/GV obsidian, finer-grained interpretations of toolstone procurement at Last Supper Cave cannot currently be achieved. The assemblage from Last Supper Cave comprised nearly half of the entire regional sample compiled by Smith (2010); therefore, source provenance data of smaller assemblages are overshadowed. While this bias cannot be offset, results do show how data from one site may skew overall regional interpretations.

By evaluating each site individually, one thing is apparent – spheres of obsidian production, a concept illustrated by McGuire (2002a) along the Sierra/Great Basin interface, exist in the BRD/HRC. While site assemblages are dominated by a few key obsidian types within particular areas, it cannot be known if this outcome was the result of a distance/decay function (*sensu* Renfrew 1977) of obsidian resources or if these spheres approximate the territorial ranges of groups. However, if territorial ranges were larger than these spheres, then such an occurrence should be present in the source provenance data. As shown by data from all sites except Last Supper Cave, these spheres did not significantly shift between the Middle and Late Periods. These spheres were not isolated from each other and groups likely interacted at the boundaries between them, perhaps occasionally exchanging items to help mediate such meetings. While the composition of these groups may not have been extremely rigid, these semi-fluid

boundaries likely dissuaded widespread movement across the region and facilitated stability in the ranges of the prehistoric occupants of the BRD/HRC.

Chapter 6

Conclusions

The purpose of this study was to provide an updated overview of Late Holocene archaeology in the BRD/HRC of northwest Nevada through an assessment of the mobility and land-use strategies exercised by the region's prehistoric occupants. A three part approach was employed to address this goal. First, I introduced PCS, a rock shelter with an occupational history spanning the Late Holocene and a lithic assemblage that contributes to our understanding of technological organization and raw material preference. Next, source provenance data from four sites in the BRD/HRC were obtained to identify toolstone procurement and mobility patterns during the Late Holocene. Lastly, an inventory of archaeological sites in the area provided information such as site attributes, locations, and ages, which were analyzed to identify patterns of land-use and place PCS and the source provenance data into a broader context. This approach addressed each of the hypotheses proposed in Chapter 1:

1) Differences in raw material preference should exist among various stages of reduction and tool classes as quality and proximity of toolstone were factors, but technological organization at PCS should not change across time;
2) Territorial ranges should expand post-1,500 cal BP as groups became more residentially mobile, and trade after this time should also increase as population densities peaked; and

3) Archaeological site assemblage diversity and richness should change overtime as mobility changed, and site locations should also change in response to changes in resource diversity and demography.

I summarize the answers to these hypotheses below.

Technological Activities at PCS

Starting as early as 4,700 cal BP, PCS was occupied throughout the Late Holocene, including the period from 1,750-650 cal BP, during which Layton (1970) suspected there were sparse populations in the region. Radiocarbon dates and cultural material at PCS suggest that during this period people were present in the HRC and used the shelter to a greater extent than before.

Modest and infrequent visits to the site, a high ratio of projectile points to other tools (i.e., cores, bifaces, flake tools, groundstone), and an abundance of large mammal bones (Schmitt 2008) show that occupants of PCS utilized the shelter as a short-term camp during logistical hunting forays during the latter half of the Middle Period (4,700-1,500 cal BP). After 1,500 cal BP, visitors came more frequently to PCS and with different purposes than those of the prior occupants. A greater presence of cores, flake tools, bifaces, groundstone, and bone tools indicate that people carried out more diverse activities and utilized the shelter as a residence rather than a temporary task-specific encampment. Lithic analysis shows that this shift from logistical to residential use of

PCS was not accompanied by a change in technological organization. Rather, biface reduction, flake tool retouch, and groundstone use-wear remained consistent across time.

Although no diachronic changes in technology are obvious at PCS, raw material preferences vary across time. In all artifact classes, the amount of CCS relative to obsidian increased continuously. While Middle Period points are predominately manufactured on obsidian, roughly half of the Late Period points are made on CCS. As sources of CCS are more prevalent in the BRD than the HRC, it appears that later occupants of the shelter exploited the valley bottoms to a greater degree than earlier groups. Source provenance data from PCS convey a similar trend. Distant obsidian types located north and northeast of the site (> 85 km away) are only present in artifacts assigned to the Late Period. Furthermore, since these sources are almost exclusively represented in projectile points rather than other artifact classes (i.e., flakes), trade likely occurred at a greater extent during the Late Period. Elevated residential mobility, as observed between the Middle and Late Periods at PCS, could have increased encounters with neighboring groups, resulting in more trade and the exploitation of new raw materials.

Toolstone Procurement in the BRD/HRC

Source provenance data from PCS, Hanging Rock Shelter, Silent Snake Springs, and Smokey Creek Cave provide additional insights into prehistoric toolstone procurement strategies in the BRD/HRC. Very few differences in source profiles (i.e., average artifact transport distance, diversity, local/non-local ratios) exist between the four

assemblages, and those that do are likely a function of each site's location relative to obsidian sources. In contrast to the trends observed at PCS, where trade likely increased during the latter half of the Late Period (650 cal BP to contact), local sources are better represented during the same period at Hanging Rock Shelter. However, neither of those trends are apparent when the data from all four sites are combined to identify regional toolstone procurement patterns across time. Instead, the data show no change in territorial range between the Middle and Late Periods, which is not in agreement with Smith's (2010) findings.

A re-examination of source provenance data from Smith (2010) reveals that only one site, Last Supper Cave, exhibits a significant increase in territorial range from the Middle to the Late Periods. The other sites, like those included in this study, show no differences across time. It is apparent that the current method of assessing regional toolstone procurement strategy by combining geographically separated sites with potentially different occupational histories may not provide the most reliable interpretations. By evaluating source provenance data at the site level, it is clear that territorial ranges did not change through the Late Holocene at a majority of sites. The dominant presence of one or two local obsidian sources at every site suggests the possibility of obsidian production spheres, similar to those advanced by McGuire (2002a) to the west. Regardless of whether these spheres are a function of the Law of Monotonic Decrement (i.e., natural fall-off of abundance) as Renfrew (1977) cautions, or are representative of circumscribed ranges of movement, they are consistent between the Middle and Late Periods.

Although this thesis emphasized the archaeology of later prehistory, it does benefit from comparisons with earlier periods. As Smith (2010) and McGuire (2002a) illustrate through source provenance data, people in the northwest Great Basin during the Early Period (13,000-8,300 cal BP) travelled greater distances than successive groups. It is clear from their research and this current study that territorial ranges of movement never again matched those of early groups. Middle Period adaptation, as a response to deteriorated climatic conditions following the cool/moist Terminal Pleistocene/Early Holocene, entailed restricted residential movement around select reliable locations, resulting in reduced territorial ranges. These worst of times did improve; however, source provenance data do not support resurgence in territorial range size as might be expected. Instead, increased population densities during the Late Period likely prevented groups from expanding their ranges. In some cases (e.g., PCS), these circumscribed territorial ranges and increased residential mobility may have enabled informal trade to occur more frequently as increased meetings along boundaries occurred between neighboring groups.

Land-Use in the BRD/HRC

Information from over 600 archaeological sites in the BRD/HRC allowed for an updated assessment of prehistoric land-use patterns across time. Data collected included details about the sites' locations, physical attributes (i.e., elevation, slope, vegetation community, size), assemblage (i.e., raw material preference, artifacts present), and age. As expected, Early Period sites were located along pluvial lake shorelines, mostly in the

BRD. Widespread occupation of the HRC (i.e., uplands) did not occur until the Middle Period, when groups presumably began exploiting a wider variety of low ranked resources. It does not appear that Late Period groups retreated from upland settings with improved environmental conditions, as sites assigned to this time continued to occur at all elevations.

The function of sites with diagnostic artifacts was characterized with richness, diversity, and evenness values to show diachronic changes in site use. Early Period assemblages were the most rich and diverse of all, which is probably due to the generalized and multi-functional toolkit utilized by highly-mobile early groups. The least rich and diverse assemblages were found at Middle Period sites likely because as groups reduced residential mobility and increased logistical mobility, they created more task-specific sites. In contrast, richness and diversity values increased in the Late Period. This is likely not a function of decreased logistical forays but rather a result of intensified residential mobility that occurred throughout the Great Basin during that time (Beck 1984; Elston 1986; Leach 1988; O'Connell 1975).

Conclusions

Data reported in this study both reinforce and challenge interpretations of toolstone procurement and land-use strategies during the Late Holocene in the BRD/HRC. Spatial analysis of archaeological sites in the region verify that people did not occupy the uplands significantly until the Middle Period (8,300-1,500 cal BP), when they produced both residential and logistical sites throughout those areas. Lithic analysis

from PCS, spatial analysis, and XRF analysis of obsidian artifacts from sites in the BRD/HRC support models that indicate that Late Period (1,500 cal BP to contact) groups were more residentially mobile than Middle Period groups. Source provenance data from at least one site (PCS) show that trade also likely occurred to a greater degree during this same period, presumably as a consequence of increased encounters with neighboring groups as residential mobility intensified. However, increased residential mobility apparently did not result in the expansion of territorial ranges between the Middle and Late Periods. Instead, restricted ranges of movement that prevailed during the Middle Period, due to poor environmental conditions, were maintained in the Late Period by growing human population densities.

This study has also revealed a few insights. First, the current method of assessing regional toolstone procurement strategies, by combining source provenance data from geographically separated sites, may not produce the most reliable interpretations. Rather, sites should be treated individually, as trends observed at the site level can be inadvertently amplified or lost when treated collectively. A second noteworthy concern is how prehistory was demarcated into time periods for this thesis. Early, Middle, and Late categories were employed to facilitate comparisons with previous researches; however, the Middle Period (8,700-1,500 cal BP) could and perhaps should have been divided into the Early (8,700-5,000 cal BP) and Middle Archaic (5,000-1,500 cal BP), since the environmental and demographic circumstances varied considerably between these two times. If sample sizes permit, such a separation could provide finer-grained assessments of toolstone procurement and land-use strategies across time. Lastly, this study has benefitted greatly from the utilization of previously recorded archaeological

sites. It is often customary in archaeology that these data remain unnoticed, as we record and move on to other enterprises; however, the sheer amount of information accumulated over the last half century of archaeological survey is invaluable to this and other's research.

References

Adams, Jenny L.
2002 *Ground Stone Analysis: A Technological Approach*. University of Utah Press, Salt Lake City.

Adams, Kenneth D., Ted Goebel, Kelly Graf, Geoffrey M. Smith, Anna J. Camp, Richard W. Briggs, and David Rhode
2008 Late Pleistocene and Early Holocene Lake-Level Fluctuations in the Lahontan Basin, Nevada: Implications for the Distribution of Archaeological Sites. *Geoarchaeology* 23(5):608-643.

Ahler, Stanley A.
1989 Mass Analysis of Flaking Debris: Studying the Forest Rather Than the Tree. In *Alternative Approaches to Lithic Analysis*, edited by Donald O. Henry and George H. Odell, pp. 85-118. Archaeological Papers of the American Anthropological Association No. 1.

Andrefsky, William, Jr.
1994 Raw Material Availability and the Organization of Technology. *American Antiquity* 59:21-34.
2001 Emerging Directions in Debitage Analysis. In *Lithic Debitage: Context, Form, Meaning*, edited by William Andrefsky, Jr., pp. 2-14. University of Utah Press, Salt Lake City.
2005 *Lithics: Macroscopic Approaches to Analysis*. Cambridge University Press, New York.
2008 Projectile Point Provisioning Strategies and Human Land Use. In *Lithic Technology: Measure of Production, Use, and Curation*, edited by William Andrefsky, Jr., pp. 195-215. Cambridge University Press, New York.

Baumhoff, Martin A., and Robert F. Heizer
1965 Postglacial Climate and Archaeology in the Desert West. In *The Quaternary of the United States*, edited by Herbert E. Wright, Jr., and David G. Frey, pp. 697-707. Princeton University Press, Princeton.

Beck, Charlotte
1984 Steens Mountain Surface Archaeology: The Sites. Unpublished Ph.D. Dissertation, Department of Anthropology, University of Washington, Seattle.
1995 Functional Attributes and the Differential Persistence of Great Basin Dart Forms. *Journal of California and Great Basin Anthropology* 17(2):222-243.

Beck, Charlotte, and George T. Jones
1997 The Terminal Pleistocene/Early Holocene Archaeology of the Great Basin. *Journal of World Prehistory* 11:168-191.
2009 *The Archaeology of the Eastern Nevada Paleoarchaic, Part I. The Sunshine Locality*, University of Utah Anthropological Papers 126, Salt Lake City.
2010 Clovis and Western Stemmed: Population Migration and the Meeting of Two Technologies in the Intermountain West. *American Antiquity* 75;81-116.

Beck, Charlotte, Amanda K. Taylor, George T. Jones, Cynthia M. Fadem, Caitlyn R. Cook, and Sara A. Millward
2002 Rocks Are Heavy: Transport Costs and Paleoarchaic Quarry Behavior in the Great Basin. *Journal of Anthropological Archaeology* 21:481-507.

Bedwell, Stephen F.
1973 *Fort Rock Basin: Prehistory and Environment*. University of Oregon Press, Eugene.

Benson, Larry V., D.R. Currey, R.I. Dorn, K.R. Lajoie, C.G. Oviatt, S.W. Robinson, G.I. Smith, and S. Stine
1990 Chronology of Expansion and Contraction of Four Great Basin Lake Systems During the Past 35,000 Years. *Palaeogeography, Palaeoclimatology, Palaeoecology* 78:241-286.

Benson, Larry V., Michaele Kashgarian, Robert Rye, Steve Lund, Fred Paillet, Joseph Smoot, Cynthia Kester, Scott Mensing, Dave Meko, and Susan Lindström
2002 Holocene Multidecadal and Multicentennial Droughts Affecting Northern California and Nevada. *Quaternary Science Reviews* 21:659-682.

Bettinger, Robert L.
1975 The Surface Archaeology of Owens Valley, Eastern California: Prehistoric Man-Land Relationships in the Great Basin. Unpublished Ph.D. Dissertation, Department of Anthropology, University of California, Riverside.
1977 Aboriginal Human Ecology in Owens Valley: Prehistoric Change in the Great Basin. *American Antiquity* 42:3-17.
1991 Aboriginal Occupation at High Altitude: Alpine Villages in the White Mountains of Eastern California. *American Anthropologist* 93:656-679.
1999 What Happened in the Medithermal. In *Models for the Millennium: Great Basin Anthropology Today*, edited by Charlotte Beck, pp. 62-74. University of Utah Press, Salt Lake City.

Bettinger, Robert L., and Martin A. Baumhoff
1982 The Numic Spread: Great Basin Cultures in Competition. *American Antiquity* 47:485-503.

Binford, Lewis R.
1979 Organization and Formation Processes: Looking at Curated Technologies. *Journal of Anthropological Research* 35:255-273.
1980 Willow Smoke and Dogs' Tails: Hunter-Gatherer Settlement Systems and Archaeological Site Formation. *American Antiquity* 45:4-20.

Briggs, Richard W., Steven G. Wesnousky, and Kenneth D. Adams
2005 Late Pleistocene and Late Holocene Lake Highstands in the Pyramid Lake Subbasin of Lake Lahontan, Nevada, USA. *Quaternary Research* 64:257-263.

Broughton, Jack M., and Frank E. Bayham
2003 Showing Off, Foraging Models, and the Ascendance of Large-Game Hunting in the California Middle Archaic. *American Antiquity* 68:783-789.

Broughton, Jack M., David A. Byers, Reid A. Bryson, William Eckerle, and David B. Madsen
2008 Did Climatic Seasonality Control Late Quaternary Artiodactyl Densities in Western North America? *Quaternary Science Reviews* 27:1916-1937.

Burke, Chrissina C., Lindsay A. Fenner, Jennifer Kielhofer, Jake Winn, and Geoffrey M. Smith
2010 Diachronic Shifts in Landscape Use in Northwestern Nevada: The Results of Pedestrian Survey in the Black Rock Desert. Poster presented at the 32nd meeting of the Great Basin Anthropological Association. Layton, Utah.

Camp, Anna J.
2009 Pre-Archaic Occupations in the West Arm of the Black Rock Desert. Unpublished MA Thesis, Department of Anthropology, University of Nevada, Reno.

Carpenter, Kimberley L.
2002 Reversing the Trend: Late Holocene Subsistence Change in Northeastern California. In *Boundary Lands: Archaeological Investigations Along the California-Great Basin Interface*, edited by Kelly R. McGuire, pp. 49-59. Nevada State Museum Anthropological Papers No. 24. Carson City.

Chatters, James C.
1987 Hunter-Gatherer Adaptations and Assemblage Structure. *Journal of Anthropological Archaeology* 6:336-375.

Clewlow, C. William, Jr.
1968 *Surface Archaeology on the Black Rock Desert*. University of California Archaeological Survey Reports 73, Berkeley.

Connolly, Thomas J., and Dennis L. Jenkins
1997 Population Dynamis on the Northwestern Great Basin Periphery: Clues from Obsidian Geochemistry. *Journal of California and Great Basin Anthropology* 19(2):241-250.

Cowan, Richard
1972 *The Archaeology of Barrel Springs (NV-Pe-104), Pershing County, Nevada*. University of California Archaeological Research Facility, Department of Anthropology, University of California, Berkeley.

Creger, C. Cliff
1991 Completing the Circle: The Archaeology of Duck Flat, Nevada. Unpublished MA Thesis, Department of Anthropology, University of Nevada, Reno.

Davis, Wilbur A.
1966 Theoretical Problems in Western Prehistory. In *The Current Status of Anthropological Research in the Great Basin*, edited by Warren L. D'Azevedo, Wilbur A. Davis, Don D. Fowler, and Wayne Suttles, pp. 147-165. Desert Research Institute Publications in Social Sciences No. 1, Reno, Nevada.

Delacorte, Michael G.
1997 *Culture Change Along the Eastern Sierra Nevada/Cascade Front: Volume 1 – History of Investigations and Summary of Findings*. Far Western Anthropological Research Group, Inc., Davis, California. Submitted to the Tuscarora Gas Transmission Company, Reno, Nevada.

Dugas, Daniel P.
1998 Late Quaternary Variations in the Level of Paleo-Lake Malhuer, Eastern Oregon. *Quaternary Research* 50:276-282.

Eerkens, Jelmer W., Jeffrey R. Ferguson, Michael D. Glascock, Craig Skinner, and Sharon A. Waechter
2007 Reduction Strategies and Geochemical Characterization of Lithic Assemblages: A Comparison of Three Case Studies from Western North America. *American Antiquity* 72:585-597.

Eiselt, B. Sunday
1997 Fish Remains from the Spirit Cave Paleofecal Material. *Nevada State Historical Society Quarterly* 40(1):117-139.

Elston, Robert G.
1982 Good Times, Hard Times: Prehistoric Culture Change in the Western Great Basin. In *Man and the Environment in the Great Basin*, edited by David B. Madsen and James F. O'Connell, pp. 186-206. Society for American Archaeology Papers No. 2., Washington, D.C.

1986 Prehistory of the Western Area. In *Great Basin*, edited by Warren L. D'Azevedo, pp. 135-148. Handbook of North American Indians, Vol. 11, W.C. Sturtevant, general editor. Smithsonian Institution Press, Washington, D.C.

Elston, Robert G., and Jonathan O. Davis
1979 An Overview of Cultural Resources in the Lahontan Cutthroat Trout Study Area, Black Rock Range, Humboldt County, Nevada. (Report submitted to Winnemucca District, Bureau of Land Management; on file in Special Collections, Mathewson IGT Knowledge Center, University of Nevada, Reno.)

Elston, Robert G., and David W. Zeanah
2002 Thinking Outside the Box: A New Perspective on Diet Breadth and Sexual Division of Labor in the Prearchaic Great Basin. *World Archaeology* 34:103 130.

Fenner, Lindsay A., and Geoffrey M. Smith
2010 A Preliminary Investigation of Cultural Resources in the Paiute Lake Basin, Humboldt County, Nevada. Submitted to the Bureau of Land Management, Winnemucca District.
2011 Black Rock Revisited: Continued Investigations of Cultural Resources in the East Arm of the Black Rock Desert, Humboldt County, Nevada. Submitted to the Bureau of Land Management, Winnemucca District.

Goebel, Ted, Bryan Hockett, Kenneth D. Adams, David Rhode, and Kelly Graf
2011 Climate, Environment, and Humans in North America's Great Basin During the Younger Dryas, 12,900-11,600 Calendar Years Ago. *Quaternary International* 242(2):479-501.

Graf, Kelly E., and Dave N. Schmitt (editors)
2007 *Paleoindian or Paleoarchaic?: Great Basin Human Ecology at the Pleistocene/Holocene Transition*. University of Utah Press, Salt Lake City.

Grayson, Donald K.
1984 *Quantitative Zoorachaeology: Topics in the Analysis of Archaeological Faunas*. Academic Press, New York.
1988 *Danger Cave, Last Supper Cave, and Hanging Rock Shelter: The Faunas*. Anthropological Papers, Vol. 66 Pt. 1. American Museum of Natural History, New York.
2006a The Late Quaternary Biogeographic Histories of Some Great Basin Mammals (Western USA). *Quaternary Science Reviews* 25:2964-2991.
2006b Holocene Bison in the Great Basin, Western USA. *The Holocene* 16:913 925.
2011 *The Great Basin: A Natural Prehistory*. University of California Press, Berkeley.

Hauer, A. Craig, and Sarah Branch
2011 Archaeological Excavations at Three Sites Near Paiute Meadows, Humboldt County, Nevada. Submitted to Bureau of Land Management, Winnemucca District.

Hayden, Brian, Nora Franco, and Jim Spafford
1996 Evaluating Lithic Strategies and Design Criteria. In *Stone Tools: Theoretical Insights into Human Prehistory*, edited by George H. Odell, pp. 9-45. Plenum Press, New York.

Haynes, Gary
2002 *The Early Settlement of North America: The Clovis Era*. Cambridge University Press, New York.

Helzer, Margaret M.
2004 Archaeological Investigations at the Bergen Site: Middle Holocene Lakeside Occupations Near Fort Rock, Oregon. In *Early and Middle Holocene Archaeology of the Northern Great Basin*, edited by Dennis L. Jenkins, Thomas J. Connolly, and C. Melvin Aikens, pp. 77-93. University of Oregon Anthropological Papers No. 62, Eugene.

Hester, Thomas R.
1973 *Chronological Ordering of Great Basin Prehistory*. Contributions of the University of California Archaeological Research Facility No. 17, Berkeley.

Hildebrandt, William R., and Jerome H. King
2012 Distinguishing Between Darts and Arrows in the Archaeological Record: Implications for Technological Change in the American West. *American Antiquity* 77:789-799.

Hildebrandt, William R., and Kelly R. McGuire
2002 The Ascendance of Hunting During the California Middle Archaic: An Evolutionary Perspective. *American Antiquity* 67:231-256.

Hockett, Bryan
2007 Nutritional Ecology of Late Pleistocene to Middle Holocene Subsistence in the Great Basin. In *Paleoindian or Paleoarchaic?: Great Basin Human Ecology at the Pleistocene-Holocene Transition*, edited by Kelly E Graf and Dave N. Schmitt, pp. 204-230. University of Utah Press, Salt Lake City.

Hughes, Richard E.
1984 Obsidian Sourcing Studies in the Great Basin: Problems and Prospects. In *Obsidian Studies in the Great Basin*, edited by Richard E. Hughes, pp. 1-20. Contributions of the University of California Archaeological Research Facility, No. 45, Berkeley.

1986 *Diachronic Variability in Obsidian Procurement Patterns in Northeastern California and South Central Oregon*. University of California Publications in Anthropology No. 17, Berkeley.

Jenkins, Dennis L.

1994 Settlement-Subsistence Patterns in the Fort Rock Basin: A Cultural Ecological Perspective on Human Responses to Fluctuating Wetlands Resources of the Last 5,000 Years. In *Archaeological Researches in the Northern Great Basin: Fort Rock Archaeology Since Cressman*, edited by C. Melvin Aikens and Dennis L. Jenkins, pp. 599-628. University of Oregon Anthropological Papers No. 50, Eugene.

2004 The Grasshopper and the Ant: Middle Holcene Occupatios and Storage Behavior at the Bowling Dune Site in the Fort Rock Basin, Central Oregon. In *Early and Middle Holocene Archaeology of the Northern Great Basin*, edited by Dennis L. Jenkins, Thomas J. Connolly, and C. Melvin Aikens, pp. 123-155. University of Oregon Anthropological Papers No. 62, Eugene.

Jenkins, Dennis L., Loren G. Davis, Thomas W. Stafford, Jr., Paula F. Campos, Bryan Hockett, George T. Jones, Linda S. Cummings, Chad Yost, Thomas J. Connolly, Robert M. Yohe, Summer C. Gibbons, Maanasa Raghavan, Morten Rasmussen, Johanna L. Paijmans, Michael Hofreiter, Brian M. Kemp, Jodi L. Barta, Cara Monroe, M. Thomas Gilbert, and Eske Willerslev

2012 Clovis Age Western Stemmed Projectile Points and Human Coprolites at the Paisley Caves. *Science* 337(6091):223-228.

Jennings, Jesse D.

1957 *Danger Cave*. University of Utah Anthropological Papers No. 27, Salt Lake City.

Jennings, Jesse D., and Edward Norbeck

1955 Great Basin Prehistory: A Review. *American Antiquity* 21:1-11.

Johnson, Jay K.

1989 The Utility of Production Trajectory Modeling as a Framework for Regional Analysis. In *Alternative Approaches to Lithic Analysis*, edited by Donald O. Henry and George H. Odell, pp. 119-138. Archaeological Papers of the American Anthropological Association No. 1.

Jones, George T.

1984 Prehistoric Land Use in the Steens Mountain Area, Southeastern Oregon. Unpublished Ph.D. Dissertation, Department of Anthropology, University of Washington, Seattle.

Jones, George T., and Charlotte Beck
1999 Paleoarchaic Archaeology in the Great Basin. In *Models for the Millennium*, edited by Charlotte Beck, pp. 83-95. University of Utah Press, Salt Lake City.

Jones, George T., Charlotte Beck, Eric E. Jones, and Richard E. Hughes
2003 Lithic Source Use and Paleoarchaic Foraging Territories in the Great Basin. *American Antiquity* 68:5-38.

Kelly, Robert L.
1983 Hunter-Gatherer Mobility Strategies. *Journal of Anthropological Research* 39(3):277-306.
1988 The Three Sides of a Biface. *American Antiquity* 53:717-734.
1997 Late Holocene Great Basin Prehistory. *Journal of World Prehistory* 11:1 49.
2001 *Prehistory of the Carson Desert and Stillwater Mountains: Environment, Mobility, and Subsistence in a Great Basin Wetland*. University of Utah Anthropological Papers No. 123. Salt Lake City.
2007 *The Foraging Spectrum: Diversity in Hunter-Gatherer Lifeways*. 2nd Edition. Persheron Press, New York.

Kolvet, Renee C.
1995 Beyond the Valley Floor: Upland Adaptations in the Buffalo Hills of Northwestern Nevada. Unpublished MA Thesis, Department of Anthropology, University of Nevada, Reno.

Konoske, Ashley, Linsie Lafayette, and Ted Goebel
2006 A Preliminary Investigation of Cultural Resources in the Rock Creek Drainage. Submitted to the Bureau of Land Management, Surprise Field Office.

Lamb, Sydney M.
1958 Linguistic Prehistory in the Great Basin. *International Journal of American Linguistics* 24(2):95-100.

LaValley, Stephen J.
2011 Continuity in Biface Reduction Strategies at Paiute Creek Shelter (26Hu147), Humboldt County, Nevada. *Nevada Archaeologist* 24:37-46.
2012 Over the Hill and Through the Desert: A Least-Cost Path Analysis of Late Holocene Hunter-Gatherer Movement in the Black Rock Mountain Range of Nevada. Paper presented at the annual meeting of the Nevada Archaeological Association. Eureka, Nevada.

LaValley, Stephen J., and Geoffrey M. Smith
2012 Biface Reduction and Raw Material Selection at Paiute Creek Shelter, Nevada. Poster presented at the 77th meeting of the Society for American Archaeology. Memphis, Tennessee.

Layton, Thomas N.
1966 The Archaeology of Smokey Creek Cave, Humboldt County, Nevada: 26 Hu-46. Unpublished MA Thesis, Department of Anthropology, University of California, Davis.
1967 The Peabody Nevada Expedition: A Report on Activities During the 1967 Field Season. Manuscript on file at the Department of Anthropology, University of Nevada, Reno.
1970 High Rock Archaeology: An Interpretation of the Prehistory of the Northwest Great Basin/ Unpublished Ph.D. Dissertation, Department of Anthropology, Harvard University, Cambridge.
1979 Archaeology and Paleo-Ecology of Pluvial Lake Parman, Northwestern Great Basin. *Journal of New World Archaeology* 3(3):41-56.
1985 Invaders from the South? Archaeological Discontinuities in the Northwester Great Basin. *Journal of California and Great Basin Anthropology* 7(2):183-201.

Layton, Thomas N., and Jonathan O. Davis
1978 Last Supper Cave: Early Post-Pleistocene Cultural History and Paleoecology in the High Rock Country of the Northwestern Great Basin. Manuscript on file at the Department of Anthropology, University of Nevada, Reno.

Layton, Thomas N., and David H. Thomas
1979 *The Archaeology of Silent Snake Springs Humboldt County, Nevada*. Anthropological Papers Vol. 55 Pt. 3. American Museum of Natural History, New York.

Leach, Melinda
1988 Subsistence Intensification and Settlement Change Among Prehistoric Hunters and Gatherers of the Northwestern Great Basin. Unpublished Ph.D. Dissertation, Department of Anthropology, University of California, Los Angeles.
2001 Archaeological Investigations at Serendipity Shelter, Washoe County, Nevada: A Research Design. Prepared for the Bureau of Land Management, Surprise Field Office.
2008 Explorations in Technology, Gender, and Mobility at Serendipity Shelter, Washoe County, Nevada. Paper presented at the 31st meeting of the Great Basin Anthropological Association, Portland, Oregon.

Lindström, Susan
1990 Submerged Tree Stumps As Indicators of Mid-Holocene Aridity in the Lake Tahoe Region. *Journal of California and Great Basin Anthropology* 12(2):146-157.

Lohse, Ernest S.
1980 *Prehistoric Adaptation in the Black Rock Desert-High Rock Country of Northwestern Nevada.* Prepared by the University of Utah Archaeological Center. Submitted to Bureau of Land Management, Winnemucca District.

Louderback, Lisbeth A., and David E Rhode
2009 15,000 Years of Vegetation Change in the Bonneville Basin: The Blue Lake Pollen Record. *Quaternary Science Reviews* 28:308-326.

Louderback, Lisbeth A., Donald K. Grayson, and Marcos Llobera
2010 Middle-Holocene Climates and Human Population Densities in the Great Basin, Western USA. *The Holocene* 21(2):366-373.

Madsen, David B., and David Rhode (editors)
1994 *Across the West: Human Population Movement and the Expansion of the Numa*. University of Utah Press, Salt Lake City.

Maniery, Ellie
2012 An Analysis of Flake Tools from Paiute Creek Shelter. Paper presented at the annual meeting of the Nevada Archaeological Association. Eureka, Nevada.

McGonagle, Roberta L.
1975 Time and Space Distributions of Prehistoric Occupation of the High Rock Lake Locality, Northwest Nevada. Unpublished Ph.D. Dissertation, Department of Anthropology, University of Missouri, Colombia.

McGuire, Kelly R.
2002a Obsidian Production in Northeastern California and the Northwestern Great Basin: Implications for Land Use. In *Boundary Lands: Archaeological Investigations Along the California-Great Basin Interface*, edited by Kelly R. McGuire, pp. 85-103. Nevada State Museum Anthropological Papers No. 24. Carson City.
2002b The Evolution of Prehistoric Domestic Facilities and Community Structure in the Northwestern Great Basin. In *Boundary Lands: Archaeological Investigations Along the California-Great Basin Interface*, edited by Kelly R. McGuire, pp. 29-39. Nevada State Museum Anthropological Papers No. 24. Carson City.

Mensing, Scott A., Larry V. Benson, Michaele Kashgarian, and Steve Lund
2004 A Holocene Pollen Record of Persistent Droughts from Pyramid Lake, Nevada, USA. *Quaternary Research* 62:29-38.

Miller, Jerry R., Kyle House, Dru Germanoski, Robin J. Tausch, and Jeanne C. Chambers
2004 Fluvial Geomorphic Responses to Holocene Climate Change. In *Great Basin Riparian Ecosystems – Ecology, Management, and Restoration*, edited by Jeanne C. Chambers and Jerry R. Miller, pp. 49-87. Island Press, Covelo.

Minckley, Thomas A., Cathy Whitlock, and Patrick J. Bartlein
2007 Vegetation, Fire, and Climate History of the Northwestern Great Basin During the Last 14,000 Years. *Quaternary Science Reviews* 26:2167-2184.

Moore, Molly
1992 Descriptive Site Report of Yellow Rock Shelter, 26WA5254, Washoe County, Nevada. Submitted to the Bureau of Land Management, Susanville District.

Nelson, Margaret C.
1991 The Study of Technological Organization. In *Archaeological Method and Theory*, Vol. 3, edited by Michael B. Schiffer, pp. 57-100. University of Arizona Press, Tuscon.

Nowak, Cheryl L., Robert S. Nowak, Robin J. Tausch, and Peter E. Wigand
1994 Tree and Shrub Dynamics in Northwestern Great Basin Woodland and Shrub Steppe During the Late-Pleistocene and Holocene. *American Journal of Botany* 81:265-277.

O'Connell, James F.
1975 *The Prehistory of Surprise Valley*. Anthropological Papers No. 4. Ballena Press, Ramona.

O'Connell, James F., and Paul S. Hayward
1972 Altithermal and Medithermal Human Adaptations in Surprise Valley, Northeast California. In *Great Basin Cultural Ecology: A Symposium*, edited by Don. D. Fowler, pp. 25-41. Desert Research Institute Publications in Social Sciences No. 8, Reno, Nevada.

Odell, George H.
2004 *Lithic Analysis*. Kluwer Academic/Plenum Press, New York.

Oetting, Albert C.
1994 Chronology and Time Markers in the Northwester Great Basin: The Chewaucan Basin Cultural Chronology. In *Archaeological Researches in the Northern Great Basin: Fort Rock Archaeology Since Cressman*, edited by C. Melvin Aikens and Dennis L. Jenkins, pp. 41-62. University of Oregon Anthropological Papers 50, Eugene.

Parry, William J., and Robert L. Kelly
1987 Expedient Core Technology and Sedentism. In *The Organization of Core Technology*, edited by Jay K. Johnson and Carol A. Morrow, pp. 285-304. Westview Press, Boulder.

Pinson, Ariane
2007 Artiodactyl Use and Adaptive Discontinuity Across the Paleoarchaic/Archaic Transition in the Northern Great Basin. In *Paleoindian or Paleoarchaic?: Great Basin Human Ecology at the Pleistocene-Holocene Transition*, edited by Kelly E. Graf and Dave N. Schmitt, pp. 187-203. University of Utah Press, Salt Lake City.

Praciunas, Mary M.
2007 Bifacial Cores and Flake Production Efficiency: An Experimental Test of Technological Assumptions. *American Antiquity* 72:334-348.

Rasic, Jeffrey T.
2004 Debitage Taphonomy. In *Aggregate Analysis in Chipped Stone*, edited by Chris T. Larson and Mary L. Larson, pp. 112-138. University of Utah Press, Salt Lake City.

Reheis, Marith
1999 Highest Pluvial-Lake Shorelines and Pleistocene Climate of the Western Great Basin. *Quaternary Research* 52:196-205.

Rhode, David
1988 Measurement of Archaeological Diversity and the Sample-Size Effect. *American Antiquity* 53:708-716.
2008 Dietary Plant Use by Middle Holocene Foragers in the Bonneville Basin, Western North America. *Before Farming* 3(2):1-18.

Rhode, David, David B. Madsen, and Kevin T. Jones
2006 Antiquity of Early Holocene Small-Seed Consumption and Processing at Danger Cave. *Antiquity* 80:328-339.

Schmitt, Dave N.
2008 Composition and Analysis of a Sample of the Paiute Creek Shelter Archaeological Fauna. Manuscript on file at the Department of Anthropology, University of Nevada, Reno.

Seck, Susan M.
1980 The Archaeology of Trego Hot Springs: 26PE118. Unpublished MA Thesis, Department of Anthropology, University of Nevada, Reno.

Shott, Michael
1986 Settlement, Mobility, and Technological Organization: An Ethnographic Examination. *Journal of Anthropological Research* 42:15-51.
1994 Size and Form in the Analysis of Flake Debris: Review and Recent Approaches. *Journal of Archaeological Method and Theory* 1:69-110.

Simms, Steven R.
1999 Farmers, Foragers, and Adaptive Diversity: The Great Salt Lake Wetlands Project. In *Prehistoric Lifeways in the Great Basin Wetlands: Bioarchaeological Reconstruction and Interpretation*, edited by Brian E. Hemphill and Clark S. Larson, pp. 21-54. University of Utah Press, Salt Lake City.
2008 *Ancient Peoples of the Great Basin and Colorado Plateau*. Left Coast Press, Walnut Creek.

Skinner, Craig E.
2006 *X-Ray Fluorescence Analysis of Artifact Obsidian from Paiute Creek Shelter (26Hu147), Humboldt County, Nevada*. Basic Report 2006-120 prepared for the Sundance Archaeological Research Fund, Department of Anthropology, University of Nevada, Reno, by Northwest Research Obsidian Studies Laboratory, Corvallis, Oregon.

Skinner, Craig E., and Jennifer J. Thatcher
2011 *X-Ray Fluorescence Analysis of Artifact Obsidian from Paiute Creek Shelter (26Nv147), Humboldt County, Nevada*. Basic Report 2011-104 prepared for the Great Basin Paleoindian Research Unit, Department of Anthropology, University of Nevada, Reno, by Northwest Research Obsidian Studies Laboratory, Corvallis, Oregon.
2012 *X-Ray Fluorescence Analysis of Artifact Obsidian from Paiute Creek Shelter (26Nv147), Humboldt County, Nevada*. Basic Report 2012-32 prepared for the Great Basin Paleoindian Research Unit, Department of Anthropology, University of Nevada, Reno, by Northwest Research Obsidian Studies Laboratory, Corvallis, Oregon.

Smith, Geoffrey M.
2006 Pre-Archaic Technological Organization, Mobility, and Settlement Systems: A View from the Parman Localities, Humboldt County, Nevada. Unpublished MA Thesis, Department of Anthropology, University of Nevada, Reno.
2007a Pre-Archaic Mobility and Technological Activities at the Parman Localities, Humboldt County, Nevada. In *Paleoindian or Paleoarchaic?: Great Basin Human Ecology at the Pleistocene-Holocene Transition*, edited by Kelly E. Graf and Dave N. Schmitt, pp. 139-155. University of Utah Press, Salt Lake City.

2007b Additional Data from Paiute Creek Shelter, Black Rock Desert, Nevada. Paper presented at the annual meeting of the Nevada Archaeological Association. Ely, Nevada.

2008 Results from the XRF Analysis of Pre-Archaic Projectile Points from Last Supper Cave, Northwest Nevada. *Current Research in the Pleistocene* 25:144 146.

2009 Additional Results from the XRF Analysis of Pre-Archaic Artifacts from Last Supper Cave, Northwest Nevada. *Current Research in the Pleistocene* 26:131-133.

2010 Footprints Across the Black Rock: Temporal Variability in Prehistoric Foraging Territories and Toolstone Procurement Strategies in the Western Great Basin. *American Antiquity* 75:865-885.

Smith, Geoffrey M., and Ted Goebel

2003 A Preliminary Investigation of Cultural Resources in the Quinn River Valley. Submitted to the Bureau of Land Management, Winnemucca District.

Smith, Geoffrey M., and Jennifer Kielhofer

2011 Through the High Rock and Beyond: Placing the Last Supper Cave and Parman Paleoindian Lithic Assemblages into a Regional Context. *Journal of Archaeological Science* 38:3568-3576.

Smith, Geoffrey M., Linsie M. Lafayette, Margaret Melson, and Ted Goebel

2006 A Preliminary Investigation of Cultural Resources in the West Arm of the Black Rock Desert, Humboldt County, Nevada. Submitted to the Bureau of Land Management, Winnemucca District.

Smith, Geoffrey M., Stephen J. LaValley, and Craig E. Skinner

2011 Results from the XRF Analysis of Pre-Archaic Projectile Points from Hanging Rock Shelter, Northwest Nevada. *Current Research in the Pleistocene* 28:158-160.

Smith, Geoffrey M., Stephen J. LaValley, and Kristina M. Wiggins

2012 Late Holocene Lithic Procurement Strategies in the Northwestern Great Basin: The View from Paiute Creek Shelter, Nevada. *North American Archaeologist* 33(4): 399-427.

Steward, Julian H.

1933 *Ethnography of the Owens Valley Paiute*. University of California Publications in American Archaeology and Ethnology, Vol. 33(3), Berkeley.

1938 *Basin-Plateau Aboriginal Sociopolitical Groups*. Smithsonian Institution Bureau of American Ethnology Bulletin 20. United States Government Printing Office, Washington, D.C.

Stewart, Omer C.
1938 Northern Paiute. *American Anthropologist* 40:405-407.

Surovell, Todd A.
2003 The Behavioral Ecology of Folsom Lithic Technology. Unpublished Ph.D. Dissertation, Department of Anthropology, University of Arizona, Tucson.

Surovell, Todd A., Judson B. Finley, Geoffrey M. Smith, Robert L. Kelly, and P. Jeffrey Brantingham
2009 Correcting Temporal Frequencies for Taphonomic Biases. *Journal of Archaeological Science* 36:1715-1724.

Thomas, David H.
1968 A Quantitative Method for the Analysis of Faunal Remains from Archaeological Sites. Unpublished MA Thesis, Department of Anthropology, University of California, Davis.
1970 Appendix 1: Quantitative Analysis of Faunal Remains from the High Rock Country. In *High Rock Archaeology: An Interpretation of the Prehistory of the Northwest Great Basin*, by Thomas N. Layton, pp. 335-356. Unpublished Ph.D. Dissertation, Department of Anthropology, Harvard University, Cambridge.
1971 Prehistoric Subsistence-Settlement Patterns in the Reese Rive Valley, Central Nevada. Unpublished Ph.D. Dissertation, Department of Anthropology, University of California, Davis.
1972 Unmodified Faunal Remains from NV-Pe-104. In *The Archaeology of Barrel Springs (NV-Pe-104), Pershing County, Nevada*, by Richard A. Cowan, pp. 41-48. Archaeological Research Facility, Department of Anthropology, University of California, Berkeley.
1973 An Empirical Test for Steward's Model of Great Basin Settlement Patterns. *American Antiquity* 38:155-176.
1981 How to Classify the Projectile Points from Monitor Valley, Nevada. *Journal of California and Great Basin Anthropology* 3(1):7-43.
1982 An Overview of Central Great Basin Prehistory. In *Man and Environment in the Great Basin*, edited by David B. Madsen and James F. O'Connell, pp. 156-171. Society for American Archaeology Papers No. 2., Washington, D.C.
1983 *The Archaeology of Monitor Valley: 2. Gatecliff Shelter*. Anthropological Papers, Vol. 59 Pt. 1. American Museum of Natural Prehistory, New York.

Wigand, Peter E., and David Rhode
2002 Great Basin Vegetation History and Aquatic Systems: The Last 150,000 Years. In *Great Basin Aquatic Systems History*, edited by Robert Hershler, Dave D. Madsen, and Donald R. Currey, pp. 309-368. Smithsonian Contributions to the Earth Sciences 33. Smithsonian Institution Press, Washington, D.C.

Wiggins, Kristina M., Geoffrey M. Smith, and Stephen J. LaValley
2012 XRF Sourcing of Late Holocene Artifacts from Paiute Creek Shelter, Nevada. Paper presented at the 77th annual meeting of the Society for American Archaeology. Memphis, Tennessee.

Willden, Ronald
1964 Geology and Mineral Deposits of Humboldt County. Nevada Bureau of Mines Bulletin 59. University of Nevada, Reno Mackay School of Mines.

Young, D. Craig, Jr.
1998 Late Holocene Landscapes and Prehistoric Land Use in Warner Valley, Oregon. Unpublished Ph.D. Dissertation, Department of Anthropology, University of Nevada, Reno.

Zeanah, David W.
2004 Sexual Division of Labor and Central Place Foraging: A Model for the Carson Desert of Western Nevada. *Journal of Anthropological Archaeology* 23:1-32.

Appendix A: Site Inventory

Site Description					Artifacts				Age		
Trinomial	Type	Elevation (m)	Slope (°)	Vegetation Community/Land Cover	Points	Bifaces	Tools	Flakes	Early	Middle	Late
26HU46	Lithic Scatter	1755.94	26.24	Xeric Mixed Sagebrush Shrubland	✓	✓	✓	✓		✓	✓
26HU49	Lithic Scatter	2369.63	18.54	Cliff and Canyon	✓	✓		✓		✓	
26HU50	Lithic Scatter	2259.24	14.40	Aspen Forest and Woodland	✓	✓		✓		✓	✓
26HU58	Lithic Scatter	1202.96	0.12	Playa			✓	✓			
26HU59	Lithic Scatter	1204.53	0.16	Playa				✓			
26HU60	Lithic Scatter	1206.29	1.01	Greasewood Flat	✓	✓	✓	✓	✓	✓	
26HU61	Lithic Scatter	1208.08	0.38	Mixed Salt Desert Scrub	✓	✓	✓	✓		✓	✓
26HU62	Lithic Scatter	1204.52	0.18	Greasewood Flat		✓	✓	✓			
26HU63	Lithic Scatter	1206.87	0.22	Playa	✓	✓	✓	✓	✓	✓	
26HU64	Lithic Scatter	1201.83	0.28	Greasewood Flat			✓	✓			
26HU65	Lithic Scatter	1209.02	0.75	Greasewood Flat	✓	✓		✓	✓		
26HU66	Lithic Scatter	1206.56	0.63	Playa	✓		✓	✓	✓		
26HU67	Lithic Scatter	1214.12	0.01	Greasewood Flat	✓		✓	✓	✓	✓	
26HU68	Lithic Scatter	1217.57	0.39	Greasewood Flat				✓			
26HU69	Lithic Scatter	1225.85	0.77	Mixed Salt Desert Scrub		✓		✓			
26HU70	Lithic Scatter	1225.25	0.28	Mixed Salt Desert Scrub	✓						
26HU71	Lithic Scatter	1209.56	0.19	Greasewood Flat			✓	✓	✓		
26HU72	Lithic Scatter	1210.08	0.24	Playa				✓			
26HU73	Lithic Scatter	1212.60	0.57	Greasewood Flat	✓	✓		✓	✓		✓
26HU74	Lithic Scatter	1200.12	0.00	Playa		✓		✓			
26HU75	Lithic Scatter	1218.36	0.43	Playa				✓			
26HU76	Lithic Scatter	1204.82	0.02	Playa	✓	✓	✓	✓	✓		
26HU77	Lithic Scatter	1201.95	0.14	Playa				✓			
26HU78	Lithic Scatter	1198.49	0.00	Playa				✓			
26HU107	Lithic Scatter	1513.60	4.02	Big Sagebrush Shrubland				✓			
26HU108	Lithic Scatter	1521.09	17.80	Big Sagebrush Shrubland			✓	✓			
26HU109	Rockshelter	1518.50	12.84	Big Sagebrush Shrubland				✓			
26HU110	Lithic Scatter	1504.90	1.98	Big Sagebrush Shrubland		✓	✓	✓			
26HU111	Lithic Scatter	1486.04	10.30	Big Sagebrush Shrubland				✓			
26HU112	Lithic Scatter	1602.30	16.01	Big Sagebrush Shrubland				✓			
26HU113	Lithic Scatter	1544.54	0.69	Big Sagebrush Shrubland				✓			
26HU114	Lithic Scatter	1633.25	8.73	Big Sagebrush Shrubland			✓	✓			

Appendix A: Site Inventory

Site Description					Artifacts				Age		
Trinomial	Type	Elevation (m)	Slope (°)	Vegetation Community/Land Cover	Points	Bifaces	Tools	Flakes	Early	Middle	Late
26HU115	Lithic Scatter	1639.71	7.06	Big Sagebrush Shrubland				✓			
26HU116	Lithic Scatter	1623.75	16.59	Pinyon-Juniper Woodland			✓	✓			
26HU117	Rockshelter	1606.62	24.83	Cliff and Canyon			✓	✓			
26HU118	Lithic Scatter	1693.75	3.93	Big Sagebrush Shrubland				✓			
26HU119	Lithic Scatter	1732.11	4.59	Xeric Mixed Sagebrush Shrubland				✓			
26HU120	Lithic Scatter	1713.67	26.34	Pinyon-Juniper Woodland				✓			
26HU121	Rockshelter	1737.58	4.05	Xeric Mixed Sagebrush Shrubland				✓			
26HU122	Rockshelter	1752.49	15.40	Big Sagebrush Shrubland	✓	✓		✓		✓	
26HU123	Rockshelter	1692.99	16.17	Cliff and Canyon	✓	✓	✓	✓		✓	
26HU124	Lithic Scatter	1743.29	9.87	Xeric Mixed Sagebrush Shrubland	✓			✓			
26HU125	Lithic Scatter	1757.44	2.47	Big Sagebrush Shrubland				✓			
26HU126	Lithic Scatter	1753.69	18.26	Big Sagebrush Shrubland				✓			
26HU127	Lithic Scatter	1762.95	14.27	Big Sagebrush Shrubland				✓			
26HU128	Lithic Scatter	1766.64	12.59	Big Sagebrush Shrubland				✓			
26HU129	Lithic Scatter	1757.77	2.69	Big Sagebrush Shrubland	✓				✓		
26HU130	Rockshelter	1738.99	3.81	Big Sagebrush Shrubland							
26HU131	Lithic Scatter	1741.77	2.88	Big Sagebrush Shrubland	✓						✓
26HU132	Lithic Scatter	2416.29	7.93	Aspen Forest and Woodland				✓			
26HU133	Lithic Scatter	1473.51	11.36	Big Sagebrush Shrubland		✓					
26HU134	Lithic Scatter	1742.01	10.37	Big Sagebrush Shrubland				✓			
26HU135	Lithic Scatter	1736.46	6.17	Big Sagebrush Shrubland				✓			
26HU136	Lithic Scatter	1771.48	6.66	Montane Sagebrush Steppe				✓			
26HU137	Lithic Scatter	1793.58	8.50	Semi-Desert Grassland			✓	✓			
26HU138	Lithic Scatter	1770.20	16.41	Big Sagebrush Shrubland	✓						
26HU139	Lithic Scatter	1755.49	11.96	Big Sagebrush Shrubland		✓					
26HU140	Lithic Scatter	2206.27	14.12	Mountain Mahogany Woodland and Shrubland	✓						✓
26HU141	Lithic Scatter	1807.83	24.85	Xeric Mixed Sagebrush Shrubland	✓					✓	
26HU143	Rockshelter	1519.44	16.85	Big Sagebrush Shrubland				✓			
26HU144	Rockshelter	1503.26	22.66	Xeric Mixed Sagebrush Shrubland				✓			
26HU145	Rockshelter	1513.76	22.90	Xeric Mixed Sagebrush Shrubland							
26HU146	Rockshelter	1495.31	17.99	Big Sagebrush Shrubland							
26HU147	Rockshelter	1429.63	24.63	Big Sagebrush Shrubland	✓	✓	✓	✓		✓	✓

Appendix A: Site Inventory

	Site Description				Artifacts				Age		
Trinomial	Type	Elevation (m)	Slope (°)	Vegetation Community/Land Cover	Points	Bifaces	Tools	Flakes	Early	Middle	Late
26HU148	Lithic Scatter	1468.36	15.24	Big Sagebrush Shrubland				✓			
26HU149	Rockshelter	1437.55	12.83	Big Sagebrush Shrubland				✓			
26HU150	Lithic Scatter	1753.45	9.71	Big Sagebrush Shrubland	✓					✓	
26HU151	Lithic Scatter	1626.14	11.30	Big Sagebrush Shrubland	✓			✓		✓	
26HU152	Lithic Scatter	1586.46	18.68	Big Sagebrush Shrubland			✓				
26HU153	Lithic Scatter	1585.17	17.99	Cliff and Canyon	✓					✓	
26HU154	Cairn	1397.12	5.71	Big Sagebrush Shrubland							
26HU155	Cairn	1640.94	10.42	Big Sagebrush Shrubland							
26HU156	Lithic Scatter	1573.28	10.31	Xeric Mixed Sagebrush Shrubland	✓						
26HU157	Lithic Scatter	2091.19	14.36	Montane Sagebrush Steppe				✓			
26HU158	Lithic Scatter	2100.52	4.87	Montane Sagebrush Steppe	✓			✓			
26HU159	Blind	2236.25	13.85	Aspen Forest and Woodland							
26HU160	Lithic Scatter	2564.49	2.18	Montane Sagebrush Steppe	✓		✓	✓		✓	
26HU161	Lithic Scatter	1424.97	19.10	Xeric Mixed Sagebrush Shrubland				✓			
26HU162	Lithic Scatter	1368.85	4.95	Mixed Salt Desert Scrub	✓		✓	✓			✓
26HU163	Lithic Scatter	1905.16	22.49	Pinyon-Juniper Woodland				✓			
26HU164	Lithic Scatter	1397.99	6.29	Big Sagebrush Shrubland	✓					✓	
26HU165	Lithic Scatter	1536.41	15.52	Big Sagebrush Shrubland				✓			
26HU166	Lithic Scatter	1582.70	8.72	Big Sagebrush Shrubland	✓						
26HU170	Lithic Scatter	1836.66	9.38	Xeric Mixed Sagebrush Shrubland				✓			
26HU171	Lithic Scatter	2335.80	35.54	Subalpine Limber-Bristlecone Pine Woodland				✓			
26HU172	Lithic Scatter	1558.75	28.25	Cliff and Canyon				✓			
26HU173	Lithic Scatter	1581.83	15.03	Big Sagebrush Shrubland	✓			✓			✓
26HU175	Lithic Scatter	1473.74	16.32	Xeric Mixed Sagebrush Shrubland	✓						✓
26HU176	Lithic Scatter	1773.32	11.02	Big Sagebrush Shrubland				✓			
26HU177	Lithic Scatter	1709.60	10.11	Xeric Mixed Sagebrush Shrubland				✓			
26HU178	Lithic Scatter	1674.85	4.18	Xeric Mixed Sagebrush Shrubland				✓			
26HU179	Lithic Scatter	2053.12	17.36	Cliff and Canyon	✓			✓		✓	
26HU180	Cairn	1960.34	26.63	Big Sagebrush Shrubland							
26HU181	Cairn	1949.56	21.46	Invasive							
26HU182	Cairn	1997.57	25.23	Invasive							
26HU183	Lithic Scatter	1987.38	22.97	Invasive	✓			✓			✓

Appendix A: Site Inventory

Site Description					Artifacts				Age		
Trinomial	Type	Elevation (m)	Slope (°)	Vegetation Community/Land Cover	Points	Bifaces	Tools	Flakes	Early	Middle	Late
26HU185	Lithic Scatter	1490.03	4.63	Big Sagebrush Shrubland	✓			✓		✓	✓
26HU186	Lithic Scatter	1619.48	8.86	Big Sagebrush Shrubland	✓			✓		✓	
26HU187	Lithic Scatter	1662.53	11.77	Cliff and Canyon				✓			
26HU188	Lithic Scatter	1596.29	15.64	Cliff and Canyon				✓			
26HU189	Lithic Scatter	1590.26	11.29	Big Sagebrush Shrubland				✓			
26HU190	Lithic Scatter	1589.00	10.78	Big Sagebrush Shrubland				✓			
26HU191	Lithic Scatter	1511.05	1.92	Big Sagebrush Shrubland			✓				
26HU192	Lithic Scatter	1360.85	5.73	Mixed Salt Desert Scrub			✓	✓			
26HU201	Lithic Scatter	2040.32	24.74	Xeric Mixed Sagebrush Shrubland	✓	✓	✓	✓		✓	✓
26HU202	Lithic Scatter	1717.74	2.79	Big Sagebrush Shrubland	✓			✓	✓	✓	✓
26HU212	Lithic Scatter	1535.05	0.05	Big Sagebrush Shrubland	✓	✓	✓	✓		✓	✓
26HU213	Lithic Scatter	1493.58	5.45	Big Sagebrush Shrubland	✓			✓			✓
26HU214	Lithic Scatter	1494.11	0.87	Big Sagebrush Shrubland	✓	✓	✓	✓	✓	✓	✓
26HU215	Lithic Scatter	1506.59	5.20	Greasewood Flat	✓			✓		✓	
26HU320	Lithic Scatter	2428.61	21.16	Subalpine Limber-Bristlecone Pine Woodland	✓			✓		✓	
26HU322	Lithic Scatter	2211.26	34.67	Pinyon-Juniper Woodland				✓			
26HU323	Lithic Scatter	2419.43	33.39	Cliff and Canyon	✓						
26HU324	Lithic Scatter	2365.68	26.63	Mountain Mahogany Woodland and Shrubland		✓	✓	✓			
26HU326	Lithic Scatter	2446.26	21.58	Aspen Forest and Woodland				✓			
26HU594	Rockshelter	1516.03	16.65	Cliff and Canyon							
26HU781	Lithic Scatter	1260.07	0.21	Greasewood Flat	✓	✓	✓	✓		✓	
26HU782	Lithic Scatter	1256.57	0.19	Greasewood Flat				✓			
26HU783	Lithic Scatter	1255.71	0.18	Greasewood Flat				✓			
26HU784	Lithic Scatter	1257.94	0.20	Greasewood Flat				✓			
26HU785	Lithic Scatter	1258.81	0.30	Greasewood Flat	✓			✓			
26HU786	Lithic Scatter	1253.19	0.19	Greasewood Flat			✓	✓			
26HU787	Lithic Scatter	1252.01	0.56	Greasewood Flat				✓			
26HU788	Lithic Scatter	1251.78	0.31	Greasewood Flat			✓	✓			
26HU789	Lithic Scatter	1340.25	28.18	Mixed Salt Desert Scrub			✓	✓			
26HU790	Lithic Scatter	1251.85	1.27	Greasewood Flat				✓			
26HU791	Lithic Scatter	1247.60	0.14	Mixed Salt Desert Scrub				✓			
26HU792	Lithic Scatter	1247.28	0.04	Greasewood Flat	✓		✓	✓		✓	

Appendix A: Site Inventory

Site Description					Artifacts				Age		
Trinomial	Type	Elevation (m)	Slope (°)	Vegetation Community/Land Cover	Points	Bifaces	Tools	Flakes	Early	Middle	Late
26HU793	Lithic Scatter	1251.97	0.30	Greasewood Flat	✓			✓			
26HU794	Lithic Scatter	1247.02	0.23	Greasewood Flat	✓	✓	✓	✓		✓	✓
26HU795	Lithic Scatter	1248.43	0.27	Greasewood Flat	✓	✓	✓	✓	✓	✓	✓
26HU796	Lithic Scatter	1251.27	0.17	Greasewood Flat	✓			✓		✓	
26HU797	Lithic Scatter	1258.61	1.75	Big Sagebrush Shrubland				✓			
26HU798	Lithic Scatter	1261.83	2.20	Big Sagebrush Shrubland				✓			
26HU799	Lithic Scatter	1257.15	1.53	Big Sagebrush Shrubland				✓			
26HU800	Lithic Scatter	1248.54	1.20	Mixed Salt Desert Scrub				✓			
26HU801	Lithic Scatter	1250.08	0.33	Greasewood Flat			✓				
26HU802	Lithic Scatter	1251.55	0.23	Big Sagebrush Shrubland	✓			✓			
26HU804	Lithic Scatter	1257.00	3.28	Mixed Salt Desert Scrub	✓		✓	✓		✓	
26HU805	Lithic Scatter	1552.98	21.79	Cliff and Canyon	✓				✓		
26HU806	Lithic Scatter	1345.84	25.40	Mixed Salt Desert Scrub	✓						✓
26HU807	Lithic Scatter	1241.33	0.14	Mixed Salt Desert Scrub				✓			
26HU808	Lithic Scatter	1240.57	0.10	Greasewood Flat	✓			✓			
26HU809	Lithic Scatter	1243.11	0.80	Mixed Salt Desert Scrub				✓			
26HU810	Lithic Scatter	1241.09	0.19	Mixed Salt Desert Scrub	✓		✓	✓			
26HU811	Lithic Scatter	1240.63	0.14	Mixed Salt Desert Scrub	✓		✓	✓		✓	
26HU812	Lithic Scatter	1240.41	0.25	Mixed Salt Desert Scrub				✓			
26HU813	Lithic Scatter	1239.70	0.10	Greasewood Flat				✓			
26HU814	Lithic Scatter	1239.79	0.20	Mixed Salt Desert Scrub				✓			
26HU815	Lithic Scatter	1239.43	0.25	Mixed Salt Desert Scrub			✓	✓			
26HU816	Lithic Scatter	1241.15	0.31	Greasewood Flat				✓			
26HU817	Lithic Scatter	1239.28	0.88	Greasewood Flat	✓		✓	✓			
26HU818	Lithic Scatter	1240.03	0.67	Mixed Salt Desert Scrub	✓	✓	✓	✓	✓		
26HU819	Lithic Scatter	1238.60	0.11	Greasewood Flat				✓			
26HU820	Lithic Scatter	1965.43	11.15	Mountain Mahogany Woodland and Shrubland	✓						
26HU821	Lithic Scatter	1239.30	0.10	Mixed Salt Desert Scrub	✓			✓		✓	
26HU822	Lithic Scatter	1273.76	3.27	Big Sagebrush Shrubland				✓			
26HU823	Lithic Scatter	1396.48	26.22	Big Sagebrush Shrubland				✓			
26HU824	Lithic Scatter	1519.86	24.61	Big Sagebrush Shrubland	✓			✓			
26HU825	Lithic Scatter	1293.56	4.46	Big Sagebrush Shrubland				✓			

Appendix A: Site Inventory

Site Description					Artifacts				Age		
Trinomial	Type	Elevation (m)	Slope (°)	Vegetation Community/Land Cover	Points	Bifaces	Tools	Flakes	Early	Middle	Late
26HU827	Lithic Scatter	1248.90	1.79	Mixed Salt Desert Scrub				✓			
26HU828	Lithic Scatter	1255.69	3.08	Mixed Salt Desert Scrub				✓			
26HU829	Lithic Scatter	1262.51	3.56	Big Sagebrush Shrubland	✓	✓	✓	✓			
26HU830	Lithic Scatter	1239.93	0.21	Mixed Salt Desert Scrub	✓						
26HU831	Lithic Scatter	1243.54	0.53	Mixed Salt Desert Scrub			✓	✓			
26HU832	Lithic Scatter	1238.58	0.15	Mixed Salt Desert Scrub	✓						
26HU833	Lithic Scatter	1239.65	0.21	Mixed Salt Desert Scrub	✓		✓	✓			
26HU834	Lithic Scatter	1243.18	0.77	Mixed Salt Desert Scrub	✓		✓	✓		✓	
26HU835	Lithic Scatter	1313.95	3.67	Big Sagebrush Shrubland				✓			
26HU836	Lithic Scatter	1247.06	1.90	Greasewood Flat	✓					✓	
26HU837	Lithic Scatter	1318.89	8.39	Big Sagebrush Shrubland				✓			
26HU838	Lithic Scatter	1441.13	17.82	Mixed Salt Desert Scrub	✓			✓		✓	
26HU839	Lithic Scatter	1593.62	29.70	Xeric Mixed Sagebrush Shrubland			✓	✓			
26HU840	Lithic Scatter	1560.30	29.89	Cliff and Canyon				✓			
26HU841	Lithic Scatter	1837.41	18.27	Marsh	✓			✓			
26HU842	Lithic Scatter	1273.75	5.22	Big Sagebrush Shrubland	✓			✓			
26HU843	Lithic Scatter	1291.30	3.55	Big Sagebrush Shrubland				✓			
26HU875	Lithic Scatter	2317.05	9.86	Montane Sagebrush Steppe		✓		✓			
26HU876	Lithic Scatter	2174.02	11.74	Xeric Mixed Sagebrush Shrubland	✓			✓		✓	
26HU877	Lithic Scatter	2198.42	9.30	Aspen Forest and Woodland				✓			
26HU878	Lithic Scatter	2232.97	9.50	Aspen Forest and Woodland				✓			
26HU879	Lithic Scatter	2251.85	13.55	Aspen Forest and Woodland	✓			✓			
26HU880	Lithic Scatter	2256.79	10.24	Aspen Forest and Woodland		✓		✓			
26HU881	Lithic Scatter	2014.37	8.08	Xeric Mixed Sagebrush Shrubland		✓					
26HU882	Lithic Scatter	2237.47	9.12	Aspen Forest and Woodland		✓					
26HU883	Lithic Scatter	2251.05	9.91	Aspen Forest and Woodland				✓			
26HU884	Lithic Scatter	2260.34	5.26	Aspen Forest and Woodland				✓			
26HU885	Lithic Scatter	2212.14	8.00	Aspen Forest and Woodland				✓			
26HU886	Lithic Scatter	2591.32	3.78	Montane Sagebrush Steppe		✓					
26HU887	Lithic Scatter	2620.37	6.90	Aspen Forest and Woodland	✓			✓			
26HU888	Lithic Scatter	2522.64	25.75	Aspen Forest and Woodland	✓			✓			
26HU889	Blind	2559.45	7.66	Montane Sagebrush Steppe	✓	✓	✓	✓		✓	✓

Appendix A: Site Inventory

Site Description					Artifacts				Age		
Trinomial	Type	Elevation (m)	Slope (°)	Vegetation Community/Land Cover	Points	Bifaces	Tools	Flakes	Early	Middle	Late
26HU898	Lithic Scatter	1230.88	0.28	Mixed Salt Desert Scrub	✓			✓		✓	
26HU901	Lithic Scatter	1212.82	2.30	Greasewood Flat				✓			
26HU1032	Lithic Scatter	1350.49	0.75	Mixed Salt Desert Scrub				✓			
26HU1131	Lithic Scatter	1786.30	0.00	Xeric Mixed Sagebrush Shrubland	✓	✓	✓	✓	✓	✓	✓
26HU1132	Lithic Scatter	1786.30	0.06	Semi-Desert Grassland	✓	✓	✓	✓	✓	✓	
26HU1133	Lithic Scatter	1800.97	2.75	Xeric Mixed Sagebrush Shrubland	✓	✓	✓	✓	✓	✓	✓
26HU1134	Lithic Scatter	1788.16	2.45	Xeric Mixed Sagebrush Shrubland	✓	✓	✓	✓	✓	✓	✓
26HU1170	Lithic Scatter	1252.06	1.05	Mixed Salt Desert Scrub	✓	✓	✓	✓			✓
26HU1172	Lithic Scatter	1255.39	0.94	Greasewood Flat				✓			
26HU1173	Lithic Scatter	1257.62	1.50	Mixed Salt Desert Scrub			✓				
26HU1174	Lithic Scatter	1263.25	1.41	Mixed Salt Desert Scrub			✓				
26HU1175	Lithic Scatter	1278.16	1.83	Big Sagebrush Shrubland				✓			
26HU1176	Lithic Scatter	1288.32	15.89	Mixed Salt Desert Scrub		✓		✓			
26HU1177	Lithic Scatter	1250.74	2.63	Mixed Salt Desert Scrub			✓	✓			
26HU1178	Lithic Scatter	1331.29	38.74	Mixed Salt Desert Scrub			✓	✓			
26HU1179	Lithic Scatter	1272.95	20.59	Mixed Salt Desert Scrub		✓					
26HU1244	Lithic Scatter	1814.75	4.14	Big Sagebrush Shrubland	✓			✓		✓	
26HU1248	Lithic Scatter	1863.86	6.67	Montane Sagebrush Steppe	✓	✓	✓	✓	✓	✓	✓
26HU1298	Lithic Scatter	1717.71	11.59	Xeric Mixed Sagebrush Shrubland				✓			
26HU1299	Lithic Scatter	1576.12	1.88	Big Sagebrush Shrubland				✓			
26HU1301	Lithic Scatter	1945.72	18.36	Xeric Mixed Sagebrush Shrubland				✓			
26HU1311	Lithic Scatter	1508.70	2.45	Big Sagebrush Shrubland			✓	✓			
26HU1326	Lithic Scatter	1329.20	4.31	Mixed Salt Desert Scrub			✓	✓			
26HU1330	Lithic Scatter	1256.41	3.47	Mixed Salt Desert Scrub		✓	✓	✓			
26HU1331	Lithic Scatter	1294.20	1.61	Mixed Salt Desert Scrub			✓	✓			
26HU1332	Lithic Scatter	1205.34	1.53	Greasewood Flat				✓			
26HU1333	Lithic Scatter	1203.43	0.00	Playa			✓	✓			
26HU1334	Lithic Scatter	1203.52	0.08	Playa				✓			
26HU1335	Lithic Scatter	1206.25	0.24	Greasewood Flat		✓		✓			
26HU1369	Lithic Scatter	1803.38	4.38	Xeric Mixed Sagebrush Shrubland	✓	✓	✓	✓			
26HU1370	Lithic Scatter	1636.00	10.63	Big Sagebrush Shrubland				✓			
26HU1371	Lithic Scatter	1717.67	20.72	Big Sagebrush Shrubland				✓			

Appendix A: Site Inventory

	Site Description				Artifacts				Age		
Trinomial	Type	Elevation (m)	Slope (°)	Vegetation Community/Land Cover	Points	Bifaces	Tools	Flakes	Early	Middle	Late
26HU1372	Lithic Scatter	1665.85	18.77	Xeric Mixed Sagebrush Shrubland				✓			
26HU1373	Lithic Scatter	1821.63	4.68	Xeric Mixed Sagebrush Shrubland	✓			✓			
26HU1374	Lithic Scatter	1676.31	24.95	Pinyon-Juniper Woodland				✓			
26HU1375	Lithic Scatter	1874.76	8.22	Big Sagebrush Shrubland				✓			
26HU1442	Lithic Scatter	2154.90	22.83	Aspen Forest and Woodland	✓	✓	✓	✓		✓	✓
26HU1443	Lithic Scatter	1998.69	17.44	Montane Sagebrush Steppe	✓	✓	✓	✓		✓	
26HU1447	Lithic Scatter	1723.39	11.34	Big Sagebrush Shrubland		✓					
26HU1448	Lithic Scatter	1718.13	13.39	Big Sagebrush Shrubland				✓			
26HU1449	Lithic Scatter	1743.16	14.60	Big Sagebrush Shrubland	✓			✓		✓	✓
26HU1450	Lithic Scatter	1748.73	13.56	Invasive				✓			
26HU1451	Lithic Scatter	1782.70	9.04	Big Sagebrush Shrubland				✓			
26HU1452	Lithic Scatter	1830.84	37.33	Big Sagebrush Shrubland				✓			
26HU1453	Lithic Scatter	1951.48	12.49	Mountain Mahogany Woodland and Shrubland				✓			
26HU1454	Lithic Scatter	1824.76	23.22	Big Sagebrush Shrubland				✓			
26HU1455	Lithic Scatter	2006.91	15.27	Cliff and Canyon				✓			
26HU1456	Lithic Scatter	2011.17	21.46	Cliff and Canyon		✓	✓	✓			
26HU1458	Lithic Scatter	2163.63	31.75	Mountain Mahogany Woodland and Shrubland	✓			✓			
26HU1459	Lithic Scatter	2225.74	30.22	Mountain Mahogany Woodland and Shrubland	✓						
26HU1460	Lithic Scatter	2214.24	34.31	Mountain Mahogany Woodland and Shrubland	✓						
26HU1463	Lithic Scatter	2306.19	18.05	Mountain Mahogany Woodland and Shrubland	✓			✓		✓	
26HU1464	Lithic Scatter	2243.39	20.51	Montane Sagebrush Steppe				✓			
26HU1482	Lithic Scatter	1958.92	21.57	Cliff and Canyon				✓			
26HU1483	Lithic Scatter	2044.94	38.24	Mountain Mahogany Woodland and Shrubland	✓						
26HU1484	Lithic Scatter	2179.55	26.50	Aspen Forest and Woodland				✓			
26HU1485	Lithic Scatter	2202.68	19.60	Aspen Forest and Woodland			✓				
26HU1486	Lithic Scatter	2195.13	30.03	Mountain Mahogany Woodland and Shrubland				✓			
26HU1487	Lithic Scatter	2124.83	25.90	Aspen Forest and Woodland			✓				
26HU1540	Blind	2611.20	4.05	Xeric Mixed Sagebrush Shrubland	✓						
26HU1541	Lithic Scatter	2078.79	23.62	Cliff and Canyon			✓				
26HU1544	Lithic Scatter	2260.78	21.69	Aspen Forest and Woodland				✓			
26HU1545	Lithic Scatter	1232.98	1.82	Mixed Salt Desert Scrub		✓		✓			
26HU1546	Lithic Scatter	1959.86	7.57	Montane Sagebrush Steppe				✓			

Appendix A: Site Inventory

Site Description					Artifacts				Age		
Trinomial	Type	Elevation (m)	Slope (°)	Vegetation Community/Land Cover	Points	Bifaces	Tools	Flakes	Early	Middle	Late
26HU1552	Lithic Scatter	1797.25	5.51	Xeric Mixed Sagebrush Shrubland				✓			
26HU1554	Lithic Scatter	1746.50	16.15	Big Sagebrush Shrubland		✓		✓			
26HU1555	Lithic Scatter	1200.33	0.67	Big Sagebrush Shrubland			✓	✓			
26HU1556	Lithic Scatter	1211.58	1.50	Mixed Salt Desert Scrub			✓	✓			
26HU1556	Lithic Scatter	1210.97	0.30	Mixed Salt Desert Scrub			✓	✓			
26HU1573	Lithic Scatter	1232.05	0.37	Greasewood Flat				✓			
26HU1574	Lithic Scatter	1232.06	0.21	Greasewood Flat	✓			✓			
26HU1576	Lithic Scatter	1609.42	28.11	Xeric Mixed Sagebrush Shrubland				✓			
26HU1578	Lithic Scatter	1349.03	3.53	Mixed Salt Desert Scrub		✓	✓	✓			
26HU1579	Lithic Scatter	1324.38	9.42	Mixed Salt Desert Scrub				✓			
26HU1580	Lithic Scatter	1296.97	17.57	Mixed Salt Desert Scrub				✓			
26HU1581	Lithic Scatter	1325.44	10.42	Mixed Salt Desert Scrub			✓	✓			
26HU1582	Lithic Scatter	1305.73	4.53	Mixed Salt Desert Scrub				✓			
26HU1583	Lithic Scatter	1318.50	4.83	Mixed Salt Desert Scrub				✓			
26HU1584	Lithic Scatter	1275.94	2.75	Mixed Salt Desert Scrub		✓	✓	✓			
26HU1585	Lithic Scatter	1290.18	9.07	Mixed Salt Desert Scrub				✓			
26HU1586	Lithic Scatter	1292.46	4.62	Mixed Salt Desert Scrub				✓			
26HU1587	Lithic Scatter	1287.76	8.39	Mixed Salt Desert Scrub				✓			
26HU1588	Lithic Scatter	1288.76	5.41	Mixed Salt Desert Scrub				✓			
26HU1589	Lithic Scatter	1305.41	6.25	Mixed Salt Desert Scrub				✓			
26HU1590	Lithic Scatter	1293.48	3.82	Mixed Salt Desert Scrub				✓			
26HU1591	Lithic Scatter	1299.85	8.24	Mixed Salt Desert Scrub		✓		✓			
26HU1592	Lithic Scatter	1221.67	1.50	Mixed Salt Desert Scrub			✓				
26HU1593	Lithic Scatter	1257.24	3.26	Mixed Salt Desert Scrub			✓	✓			
26HU1594	Lithic Scatter	1237.05	2.31	Mixed Salt Desert Scrub	✓	✓	✓	✓			
26HU1595	Lithic Scatter	1260.48	2.82	Mixed Salt Desert Scrub	✓	✓	✓	✓			✓
26HU1596	Lithic Scatter	1247.11	3.86	Mixed Salt Desert Scrub	✓	✓	✓	✓			✓
26HU1597	Lithic Scatter	1254.53	2.63	Mixed Salt Desert Scrub	✓	✓	✓	✓			✓
26HU1598	Lithic Scatter	1227.96	3.46	Mixed Salt Desert Scrub		✓					
26HU1599	Lithic Scatter	1211.17	0.90	Mixed Salt Desert Scrub			✓				
26HU1600	Lithic Scatter	1215.03	1.45	Mixed Salt Desert Scrub				✓			
26HU1601	Lithic Scatter	1205.59	5.32	Greasewood Flat	✓		✓	✓			

Appendix A: Site Inventory

Site Description					Artifacts				Age		
Trinomial	Type	Elevation (m)	Slope (°)	Vegetation Community/Land Cover	Points	Bifaces	Tools	Flakes	Early	Middle	Late
26HU1602	Lithic Scatter	1209.09	0.73	Playa			✓	✓			
26HU1603	Lithic Scatter	1210.34	3.51	Mixed Salt Desert Scrub				✓			
26HU1604	Lithic Scatter	1210.06	4.24	Mixed Salt Desert Scrub				✓			
26HU1605	Lithic Scatter	1210.35	1.52	Mixed Salt Desert Scrub			✓	✓			
26HU1606	Lithic Scatter	1205.23	1.28	Greasewood Flat		✓	✓	✓			
26HU1607	Lithic Scatter	1206.90	1.73	Playa			✓				
26HU1608	Lithic Scatter	1210.47	1.18	Mixed Salt Desert Scrub				✓			
26HU1609	Lithic Scatter	1212.63	2.11	Mixed Salt Desert Scrub		✓	✓	✓			
26HU1610	Lithic Scatter	1201.70	0.33	Greasewood Flat				✓			
26HU1611	Lithic Scatter	1207.89	0.54	Greasewood Flat		✓	✓	✓			
26HU1612	Lithic Scatter	1214.56	4.59	Mixed Salt Desert Scrub				✓			
26HU1613	Lithic Scatter	1207.13	0.67	Greasewood Flat			✓	✓			
26HU1614	Lithic Scatter	1208.40	0.88	Mixed Salt Desert Scrub		✓	✓	✓			
26HU1615	Lithic Scatter	1206.63	3.74	Greasewood Flat	✓			✓			
26HU1616	Lithic Scatter	1205.51	0.94	Greasewood Flat				✓			
26HU1617	Lithic Scatter	1205.02	0.01	Greasewood Flat	✓			✓		✓	
26HU1618	Lithic Scatter	1199.87	0.30	Playa		✓	✓	✓	✓		
26HU1619	Lithic Scatter	1201.68	0.28	Greasewood Flat				✓			
26HU1620	Lithic Scatter	1198.71	0.26	Playa	✓		✓	✓			
26HU1621	Lithic Scatter	1199.25	0.24	Playa				✓			
26HU1622	Lithic Scatter	1200.87	0.45	Playa				✓			
26HU1623	Lithic Scatter	1199.41	0.27	Playa				✓			
26HU1624	Lithic Scatter	1199.80	0.28	Playa				✓			
26HU1625	Lithic Scatter	1200.05	0.28	Playa	✓			✓		✓	
26HU1626	Lithic Scatter	1199.59	0.19	Playa				✓			
26HU1627	Lithic Scatter	1198.62	0.00	Playa				✓			
26HU1628	Lithic Scatter	1199.25	0.52	Playa				✓			
26HU1629	Lithic Scatter	1204.33	3.14	Greasewood Flat				✓			
26HU1630	Lithic Scatter	1201.55	0.69	Playa				✓			
26HU1631	Lithic Scatter	1199.11	0.72	Playa			✓	✓			
26HU1640	Lithic Scatter	2210.71	18.97	Aspen Forest and Woodland		✓		✓			
26HU1641	Lithic Scatter	1338.35	12.44	Xeric Mixed Sagebrush Shrubland				✓			

Appendix A: Site Inventory

	Site Description				Artifacts				Age		
Trinomial	Type	Elevation (m)	Slope (°)	Vegetation Community/Land Cover	Points	Bifaces	Tools	Flakes	Early	Middle	Late
26HU1642	Lithic Scatter	2184.25	9.95	Semi-Desert Shrub Steppe				✓			
26HU1645	Lithic Scatter	1238.55	4.72	Mixed Salt Desert Scrub	✓	✓	✓	✓			✓
26HU1660	Lithic Scatter	1202.38	0.06	Greasewood Flat	✓	✓	✓	✓	✓	✓	✓
26HU1661	Lithic Scatter	1300.61	6.04	Mixed Salt Desert Scrub	✓	✓	✓	✓		✓	
26HU1662	Lithic Scatter	1214.82	0.49	Greasewood Flat	✓	✓		✓		✓	
26HU1980	Lithic Scatter	1271.21	11.03	Mixed Salt Desert Scrub			✓	✓			
26HU1981	Lithic Scatter	1309.95	0.90	Big Sagebrush Shrubland	✓	✓	✓	✓	✓	✓	✓
26HU2000	Lithic Scatter	1497.17	0.66	Big Sagebrush Shrubland				✓			
26HU2001	Lithic Scatter	1439.62	3.91	Big Sagebrush Shrubland				✓			
26HU2010	Lithic Scatter	1233.07	0.20	Mixed Salt Desert Scrub	✓			✓			
26HU2014	Lithic Scatter	2223.19	25.27	Pinyon-Juniper Woodland	✓	✓	✓	✓			
26HU2192	Lithic Scatter	1237.58	1.21	Mixed Salt Desert Scrub			✓	✓			
26HU2193	Lithic Scatter	1471.34	19.65	Xeric Mixed Sagebrush Shrubland			✓	✓			
26HU2194	Lithic Scatter	1777.62	17.32	Pinyon-Juniper Woodland				✓			
26HU2232	Lithic Scatter	2447.75	28.25	Pinyon-Juniper Woodland	✓						✓
26HU2237	Rockshelter	1789.75	8.03	Big Sagebrush Shrubland	✓		✓	✓			✓
26HU2259	Lithic Scatter	1256.20	0.66	Big Sagebrush Shrubland				✓			
26HU2260	Lithic Scatter	1254.20	0.66	Mixed Salt Desert Scrub				✓			
26HU2261	Lithic Scatter	1253.36	0.63	Mixed Salt Desert Scrub	✓		✓	✓			
26HU2262	Lithic Scatter	1252.61	0.74	Mixed Salt Desert Scrub				✓			
26HU2263	Lithic Scatter	1252.60	0.71	Mixed Salt Desert Scrub				✓			
26HU2264	Lithic Scatter	1253.65	0.75	Mixed Salt Desert Scrub				✓			
26HU2265	Lithic Scatter	1252.71	0.99	Mixed Salt Desert Scrub				✓			
26HU2266	Lithic Scatter	1252.21	0.71	Mixed Salt Desert Scrub				✓			
26HU2269	Lithic Scatter	1244.73	0.51	Mixed Salt Desert Scrub			✓	✓			
26HU2270	Lithic Scatter	1243.93	0.83	Mixed Salt Desert Scrub				✓			
26HU2272	Lithic Scatter	1242.49	0.41	Mixed Salt Desert Scrub				✓			
26HU2273	Lithic Scatter	1241.61	0.32	Mixed Salt Desert Scrub				✓			
26HU2274	Lithic Scatter	1241.02	0.42	Mixed Salt Desert Scrub				✓			
26HU2275	Lithic Scatter	1240.51	0.43	Mixed Salt Desert Scrub			✓	✓			
26HU2276	Lithic Scatter	1240.02	0.41	Mixed Salt Desert Scrub				✓			
26HU2277	Lithic Scatter	1239.77	0.42	Mixed Salt Desert Scrub	✓						

Appendix A: Site Inventory

	Site Description				Artifacts				Age		
Trinomial	Type	Elevation (m)	Slope (°)	Vegetation Community/Land Cover	Points	Bifaces	Tools	Flakes	Early	Middle	Late
26HU2278	Lithic Scatter	1238.91	0.37	Mixed Salt Desert Scrub		✓		✓			
26HU2279	Lithic Scatter	1238.92	0.59	Mixed Salt Desert Scrub				✓			
26HU2280	Lithic Scatter	1237.79	0.28	Mixed Salt Desert Scrub	✓			✓		✓	✓
26HU2281	Lithic Scatter	1237.47	0.27	Mixed Salt Desert Scrub				✓			
26HU2283	Lithic Scatter	1244.40	0.44	Mixed Salt Desert Scrub				✓			
26HU2284	Lithic Scatter	1248.58	0.78	Big Sagebrush Shrubland	✓					✓	
26HU2285	Lithic Scatter	2040.24	7.68	Montane Sagebrush Steppe				✓			
26HU2286	Lithic Scatter	1878.39	14.64	Montane Sagebrush Steppe	✓			✓			
26HU2287	Lithic Scatter	1935.81	8.59	Semi-Desert Grassland		✓		✓			
26HU2289	Lithic Scatter	1939.05	6.98	Montane Sagebrush Steppe	✓			✓			
26HU2290	Lithic Scatter	1851.99	5.37	Xeric Mixed Sagebrush Shrubland	✓			✓		✓	
26HU2291	Lithic Scatter	1768.33	12.21	Big Sagebrush Shrubland		✓	✓	✓			
26HU2293	Lithic Scatter	1879.43	10.30	Big Sagebrush Shrubland				✓			
26HU2301	Lithic Scatter	1210.93	2.99	Playa		✓	✓	✓			
26HU2305	Lithic Scatter	1201.82	0.14	Playa	✓	✓	✓	✓			✓
26HU2306	Lithic Scatter	2093.16	6.11	Aspen Forest and Woodland				✓			
26HU2307	Lithic Scatter	2098.86	4.72	Semi-Desert Grassland				✓			
26HU2308	Lithic Scatter	2107.64	7.97	Montane Sagebrush Steppe		✓		✓			
26HU2309	Lithic Scatter	2109.21	7.26	Montane Sagebrush Steppe				✓			
26HU2310	Lithic Scatter	2110.92	7.20	Montane Sagebrush Steppe		✓		✓			
26HU2311	Lithic Scatter	2120.71	8.81	Aspen Forest and Woodland	✓						✓
26HU2313	Lithic Scatter	2120.01	5.03	Montane Sagebrush Steppe				✓			
26HU2314	Blind	2095.48	12.57	Montane Sagebrush Steppe	✓						
26HU2315	Lithic Scatter	2120.02	16.20	Montane Sagebrush Steppe				✓			
26HU2316	Lithic Scatter	2104.87	7.71	Montane Sagebrush Steppe				✓			
26HU2342	Lithic Scatter	1237.43	2.35	Mixed Salt Desert Scrub				✓			
26HU2343	Lithic Scatter	1211.97	1.71	Mixed Salt Desert Scrub		✓	✓	✓			
26HU2344	Lithic Scatter	1210.29	2.07	Mixed Salt Desert Scrub			✓	✓			
26HU2383	Lithic Scatter	2118.68	7.18	Montane Sagebrush Steppe	✓			✓		✓	
26HU2385	Lithic Scatter	1232.56	0.36	Greasewood Flat	✓	✓	✓	✓		✓	
26HU2386	Lithic Scatter	1693.00	10.33	Big Sagebrush Shrubland	✓	✓	✓	✓		✓	✓
26HU2391	Lithic Scatter	2206.17	11.30	Aspen Forest and Woodland	✓			✓		✓	

Appendix A: Site Inventory

Site Description					Artifacts				Age		
Trinomial	Type	Elevation (m)	Slope (°)	Vegetation Community/Land Cover	Points	Bifaces	Tools	Flakes	Early	Middle	Late
26HU2416	Lithic Scatter	1228.12	1.75	Mixed Salt Desert Scrub				✓			
26HU2417	Lithic Scatter	1252.42	2.70	Mixed Salt Desert Scrub				✓			
26HU2431	Lithic Scatter	1297.51	4.21	Big Sagebrush Shrubland	✓			✓		✓	
26HU2432	Lithic Scatter	1270.44	1.47	Big Sagebrush Shrubland	✓			✓			✓
26HU2524	Lithic Scatter	1233.56	1.57	Mixed Salt Desert Scrub	✓	✓	✓	✓		✓	
26HU2525	Lithic Scatter	1236.16	1.56	Mixed Salt Desert Scrub		✓					
26HU2526	Lithic Scatter	1338.53	27.95	Mixed Salt Desert Scrub				✓			
26HU2530	Lithic Scatter	1254.69	2.83	Mixed Salt Desert Scrub	✓	✓	✓	✓	✓	✓	
26HU2756	Lithic Scatter	1373.61	2.59	Mixed Salt Desert Scrub				✓			
26HU2843	Lithic Scatter	1434.85	2.14	Big Sagebrush Shrubland				✓			
26HU2866	Lithic Scatter	1797.06	0.42	Xeric Mixed Sagebrush Shrubland				✓			
26HU2867	Lithic Scatter	1789.41	0.24	Big Sagebrush Shrubland				✓			
26HU2868	Lithic Scatter	1800.65	2.14	Xeric Mixed Sagebrush Shrubland				✓			
26HU2901	Lithic Scatter	1874.25	6.65	Big Sagebrush Shrubland	✓	✓		✓		✓	
26HU2902	Lithic Scatter	1886.01	8.02	Montane Sagebrush Steppe	✓			✓		✓	
26HU2903	Lithic Scatter	1931.86	3.38	Montane Sagebrush Steppe	✓		✓	✓		✓	
26HU3140	Lithic Scatter	1294.65	4.23	Mixed Salt Desert Scrub		✓	✓	✓			
26HU3572	Lithic Scatter	1403.95	1.65	Mixed Salt Desert Scrub	✓	✓	✓	✓		✓	
26HU3573	Lithic Scatter	1317.45	2.78	Mixed Salt Desert Scrub				✓			
26HU3574	Lithic Scatter	1317.26	0.50	Mixed Salt Desert Scrub		✓	✓	✓			
26HU3575	Lithic Scatter	1319.86	1.22	Mixed Salt Desert Scrub	✓	✓	✓	✓		✓	✓
26HU3576	Lithic Scatter	1317.42	4.82	Mixed Salt Desert Scrub				✓			
26HU3577	Blind	1326.28	9.52	Mixed Salt Desert Scrub	✓		✓	✓		✓	
26HU3578	Lithic Scatter	1317.61	2.01	Mixed Salt Desert Scrub	✓	✓	✓	✓		✓	
26HU3579	Lithic Scatter	1324.60	3.32	Mixed Salt Desert Scrub	✓			✓		✓	
26HU3581	Blind	1328.73	7.63	Mixed Salt Desert Scrub							
26HU3582	Lithic Scatter	1346.80	3.41	Mixed Salt Desert Scrub				✓			
26HU3583	Lithic Scatter	1342.49	2.48	Mixed Salt Desert Scrub				✓			
26HU3584	Lithic Scatter	1349.76	0.66	Mixed Salt Desert Scrub				✓			
26HU3585	Lithic Scatter	1347.18	3.10	Mixed Salt Desert Scrub				✓			
26HU3586	Lithic Scatter	1337.92	9.09	Mixed Salt Desert Scrub				✓			
26HU3587	Lithic Scatter	1336.20	9.39	Mixed Salt Desert Scrub				✓			

Appendix A: Site Inventory

Site Description					Artifacts				Age		
Trinomial	Type	Elevation (m)	Slope (°)	Vegetation Community/Land Cover	Points	Bifaces	Tools	Flakes	Early	Middle	Late
26HU3588	Lithic Scatter	1331.67	2.38	Mixed Salt Desert Scrub	✓			✓			
26HU3589	Lithic Scatter	1328.46	3.25	Mixed Salt Desert Scrub				✓			
26HU3949	Lithic Scatter	1714.73	9.04	Big Sagebrush Shrubland			✓	✓			
26HU3952	Lithic Scatter	1765.37	18.42	Big Sagebrush Shrubland				✓			
26HU3953	Lithic Scatter	2062.57	30.33	Cliff and Canyon		✓		✓			
26HU3954	Lithic Scatter	1699.94	16.68	Xeric Mixed Sagebrush Shrubland				✓			
26HU3964	Lithic Scatter	1245.44	3.77	Mixed Salt Desert Scrub	✓	✓	✓	✓			✓
26HU4031	Lithic Scatter	1260.04	0.22	Greasewood Flat				✓			
26HU4032	Lithic Scatter	1259.92	0.23	Greasewood Flat				✓			
26HU4033	Lithic Scatter	1259.63	0.25	Mixed Salt Desert Scrub				✓			
26HU4036	Lithic Scatter	1246.75	6.62	Mixed Salt Desert Scrub	✓	✓	✓	✓		✓	✓
26HU4037	Lithic Scatter	1230.75	0.12	Greasewood Flat		✓	✓	✓			
26HU4038	Lithic Scatter	1230.52	0.10	Mixed Salt Desert Scrub		✓		✓			
26HU4040	Lithic Scatter	1235.74	0.19	Mixed Salt Desert Scrub	✓			✓		✓	
26HU4043	Lithic Scatter	1424.47	14.58	Xeric Mixed Sagebrush Shrubland			✓	✓			
26HU4044	Lithic Scatter	1382.93	6.11	Big Sagebrush Shrubland				✓			
26HU4045	Lithic Scatter	1250.70	0.86	Other	✓			✓			✓
26HU4046	Lithic Scatter	1252.73	1.24	Mixed Salt Desert Scrub	✓	✓	✓	✓			✓
26HU4287	Lithic Scatter	1225.00	0.71	Playa	✓			✓			
26HU4348	Lithic Scatter	1223.23	0.13	Playa	✓	✓	✓	✓	✓	✓	
26HU4350	Lithic Scatter	1223.10	0.25	Playa	✓		✓	✓			
26HU4351	Lithic Scatter	1222.66	0.35	Playa	✓	✓	✓	✓		✓	
26HU4352	Lithic Scatter	1223.51	4.19	Big Sagebrush Shrubland			✓	✓			
26HU4353	Lithic Scatter	1216.33	0.46	Mixed Salt Desert Scrub	✓	✓	✓	✓		✓	
26HU4354	Lithic Scatter	1216.88	0.77	Mixed Salt Desert Scrub	✓	✓	✓	✓			✓
26HU4355	Lithic Scatter	1215.26	0.21	Mixed Salt Desert Scrub	✓	✓	✓	✓			✓
26HU4356	Lithic Scatter	1222.95	0.29	Greasewood Flat	✓	✓		✓			
26HU4357	Lithic Scatter	1214.36	0.35	Mixed Salt Desert Scrub	✓	✓	✓	✓		✓	
26HU4358	Lithic Scatter	1213.73	0.28	Greasewood Flat		✓		✓			
26HU4359	Lithic Scatter	1212.91	0.54	Mixed Salt Desert Scrub	✓	✓	✓	✓		✓	
26HU4360	Lithic Scatter	1219.37	0.37	Playa	✓	✓	✓	✓	✓		
26HU4361	Lithic Scatter	1219.57	1.63	Playa		✓		✓			

Appendix A: Site Inventory

	Site Description				Artifacts				Age		
Trinomial	Type	Elevation (m)	Slope (°)	Vegetation Community/Land Cover	Points	Bifaces	Tools	Flakes	Early	Middle	Late
26HU4362	Lithic Scatter	1220.21	0.08	Playa	✓			✓	✓		
26HU4363	Lithic Scatter	1219.60	1.97	Playa			✓	✓			
26HU4364	Lithic Scatter	1218.35	0.18	Playa	✓	✓		✓		✓	
26HU4365	Lithic Scatter	1218.35	0.18	Playa	✓			✓		✓	
26HU4366	Lithic Scatter	1218.71	0.00	Playa		✓		✓			
26HU4367	Lithic Scatter	1218.71	0.03	Playa	✓	✓	✓	✓	✓	✓	
26HU4368	Lithic Scatter	1202.30	0.23	Playa		✓	✓	✓			
26HU4369	Lithic Scatter	1201.96	0.23	Playa				✓			
26HU4370	Lithic Scatter	1201.59	0.27	Playa				✓			
26HU4371	Lithic Scatter	1201.47	0.41	Playa	✓			✓		✓	
26HU4372	Lithic Scatter	1201.64	0.29	Playa	✓	✓	✓	✓	✓	✓	✓
26HU4373	Lithic Scatter	1200.52	0.01	Playa				✓			
26HU4374	Lithic Scatter	1200.40	0.02	Playa	✓	✓	✓	✓			
26HU4376	Lithic Scatter	1200.40	0.02	Playa	✓	✓	✓	✓			
26HU4380	Lithic Scatter	1224.91	0.68	Mixed Salt Desert Scrub	✓	✓	✓	✓	✓	✓	
26HU4382	Lithic Scatter	1493.82	39.84	Mixed Salt Desert Scrub	✓			✓			✓
26HU4384	Lithic Scatter	1225.30	0.82	Mixed Salt Desert Scrub	✓		✓	✓	✓		
26HU4385	Lithic Scatter	1224.81	0.54	Mixed Salt Desert Scrub				✓			
26HU4388	Lithic Scatter	1226.25	0.36	Mixed Salt Desert Scrub	✓	✓	✓	✓	✓	✓	
26HU4389	Lithic Scatter	1226.16	0.37	Mixed Salt Desert Scrub			✓	✓			
26HU4390	Lithic Scatter	1225.60	0.29	Mixed Salt Desert Scrub	✓			✓		✓	✓
26HU4391	Lithic Scatter	1224.58	0.42	Mixed Salt Desert Scrub	✓	✓	✓	✓	✓	✓	
26HU4392	Lithic Scatter	1214.12	0.00	Playa	✓			✓			
26HU4393	Lithic Scatter	1212.22	1.51	Mixed Salt Desert Scrub		✓	✓	✓	✓		
26HU4394	Lithic Scatter	1211.52	1.02	Mixed Salt Desert Scrub		✓		✓			
26HU4395	Lithic Scatter	1213.07	0.99	Mixed Salt Desert Scrub	✓	✓	✓	✓		✓	
26HU4396	Lithic Scatter	1213.06	0.54	Mixed Salt Desert Scrub	✓	✓	✓	✓	✓	✓	✓
26HU4397	Lithic Scatter	1234.63	3.47	Mixed Salt Desert Scrub			✓	✓			
26HU4398	Lithic Scatter	1228.00	0.30	Mixed Salt Desert Scrub	✓	✓	✓	✓		✓	✓
26HU4399	Lithic Scatter	1223.03	0.31	Greasewood Flat	✓	✓	✓	✓		✓	
26HU4406	Lithic Scatter	1228.04	0.58	Mixed Salt Desert Scrub	✓	✓	✓	✓		✓	
26HU4441	Lithic Scatter	1221.01	2.27	Playa	✓	✓	✓	✓	✓	✓	

Appendix A: Site Inventory

Site Description					Artifacts				Age		
Trinomial	Type	Elevation (m)	Slope (°)	Vegetation Community/Land Cover	Points	Bifaces	Tools	Flakes	Early	Middle	Late
26HU4442	Lithic Scatter	1445.84	28.32	Mixed Salt Desert Scrub	✓	✓	✓	✓			
26HU4444	Lithic Scatter	1421.52	7.15	Big Sagebrush Shrubland		✓	✓	✓			
26HU4584	Lithic Scatter	1544.18	8.16	Big Sagebrush Shrubland	✓	✓	✓	✓		✓	✓
26HU5297	Lithic Scatter	1786.04	0.13	Open Water		✓		✓			
26HU5298	Lithic Scatter	1794.71	3.58	Xeric Mixed Sagebrush Shrubland			✓	✓			
26HU5299	Lithic Scatter	1795.43	3.41	Big Sagebrush Shrubland		✓	✓	✓			
26HU5300	Lithic Scatter	1803.44	11.54	Big Sagebrush Shrubland				✓			
26HU5301	Lithic Scatter	1799.57	8.60	Big Sagebrush Shrubland				✓			
26HU5302	Lithic Scatter	1789.32	5.41	Big Sagebrush Shrubland		✓	✓	✓			
26HU5303	Lithic Scatter	1866.25	3.26	Big Sagebrush Shrubland	✓	✓		✓		✓	
26HU5501	Lithic Scatter	1582.86	11.01	Cliff and Canyon	✓	✓	✓	✓			
26HU5870	Lithic Scatter	1598.67	21.10	Big Sagebrush Shrubland				✓			
26HU5930	Lithic Scatter	1819.01	0.95	Big Sagebrush Shrubland			✓	✓			
26HU5931	Lithic Scatter	1938.96	6.50	Montane Sagebrush Steppe				✓			
26HU5932	Lithic Scatter	1854.66	4.03	Big Sagebrush Shrubland				✓			
26HU5933	Lithic Scatter	1862.64	3.27	Big Sagebrush Shrubland				✓			
26HU5934	Lithic Scatter	1819.68	11.60	Big Sagebrush Shrubland	✓	✓		✓		✓	
26HU5935	Blinds	1828.54	14.52	Big Sagebrush Shrubland		✓		✓			
26HU5936	Lithic Scatter	1826.71	18.19	Big Sagebrush Shrubland			✓	✓			
26HU5938	Lithic Scatter	1804.21	6.21	Big Sagebrush Shrubland	✓			✓		✓	✓
26HU5939	Lithic Scatter	1801.26	7.28	Big Sagebrush Shrubland				✓			
26HU5940	Lithic Scatter	1815.58	11.21	Big Sagebrush Shrubland	✓			✓		✓	✓
26HU5973	Lithic Scatter	1791.88	11.85	Xeric Mixed Sagebrush Shrubland				✓			
26HU6007	Rockshelter	1312.89	3.51	Mixed Salt Desert Scrub	✓		✓	✓		✓	✓
26HU6008	Rockshelter	1304.68	7.59	Mixed Salt Desert Scrub	✓			✓		✓	
26PE650	Lithic Scatter	1198.52	0.44	Mixed Salt Desert Scrub				✓			
26PE655	Lithic Scatter	1197.10	0.38	Playa			✓				
26PE656	Lithic Scatter	1197.36	0.40	Playa				✓			
26PE658	Lithic Scatter	1201.40	0.29	Greasewood Flat				✓			
26PE659	Lithic Scatter	1198.66	0.52	Playa				✓			
26PE660	Lithic Scatter	1204.12	0.96	Greasewood Flat				✓			
26PE661	Lithic Scatter	1196.61	0.67	Playa			✓	✓			

Appendix A: Site Inventory

Site Description					Artifacts				Age		
Trinomial	Type	Elevation (m)	Slope (°)	Vegetation Community/Land Cover	Points	Bifaces	Tools	Flakes	Early	Middle	Late
26PE663	Lithic Scatter	1196.16	0.33	Playa				✓			
26PE664	Lithic Scatter	1196.72	0.52	Playa			✓	✓			
26PE666	Lithic Scatter	1218.10	4.33	Mixed Salt Desert Scrub				✓			
26PE667	Lithic Scatter	1214.68	4.32	Mixed Salt Desert Scrub				✓			
26PE668	Lithic Scatter	1200.21	0.73	Playa			✓	✓			
26PE669	Lithic Scatter	1190.99	0.00	Playa	✓	✓	✓	✓		✓	✓
26PE817	Lithic Scatter	1198.22	0.21	Playa	✓	✓	✓	✓		✓	✓
26PE924	Lithic Scatter	1222.55	0.54	Mixed Salt Desert Scrub		✓		✓			
26PE925	Lithic Scatter	1193.19	0.00	Playa	✓		✓	✓	✓	✓	
26PE926	Lithic Scatter	1196.51	0.28	Playa	✓			✓		✓	
26PE927	Lithic Scatter	1192.89	0.00	Playa				✓			
26PE928	Lithic Scatter	1198.22	0.17	Greasewood Flat				✓			
26PE2130	Lithic Scatter	1212.56	0.43	Mixed Salt Desert Scrub	✓			✓		✓	
26PE2131	Lithic Scatter	1194.91	0.15	Playa				✓			
26WA1501	Rockshelter	1624.53	13.40	Big Sagebrush Shrubland	✓	✓	✓	✓		✓	✓
26WA1502	Rockshelter	1742.38	35.31	Big Sagebrush Shrubland	✓	✓	✓	✓	✓	✓	✓
26WA1503	Rockshelter	1532.68	16.52	Big Sagebrush Shrubland	✓	✓	✓	✓		✓	✓
26WA1514	Rockshelter	1597.15	29.84	Pinyon-Juniper Woodland	✓						✓
26WA1515	Rockshelter	1629.49	17.44	Cliff and Canyon							
26WA1516	Rockshelter	1710.78	11.22	Big Sagebrush Shrubland			✓	✓			
26WA1517	Rockshelter	1707.81	10.72	Big Sagebrush Shrubland			✓				
26WA1518	Rockshelter	1707.81	10.72	Big Sagebrush Shrubland			✓				
26WA1519	Lithic Scatter	1828.47	5.39	Xeric Mixed Sagebrush Shrubland	✓	✓	✓	✓		✓	✓
26WA1520	Lithic Scatter	1503.71	1.55	Big Sagebrush Shrubland	✓	✓	✓	✓	✓	✓	
26WA2514	Lithic Scatter	2067.93	18.59	Mountain Mahogany Woodland and Shrubland	✓			✓		✓	
26WA2757	Lithic Scatter	1396.21	1.08	Mixed Salt Desert Scrub				✓			
26WA3028	Lithic Scatter	1743.50	4.45	Big Sagebrush Shrubland	✓	✓	✓	✓	✓	✓	
26WA5086	Rockshelter	1711.17	2.53	Big Sagebrush Shrubland	✓		✓	✓			✓
26WA5087	Lithic Scatter	1725.47	1.67	Big Sagebrush Shrubland	✓			✓			✓
26WA5088	Lithic Scatter	1742.41	4.21	Big Sagebrush Shrubland	✓			✓		✓	✓
26WA5254	Rockshelter	1621.50	26.83	Mixed Salt Desert Scrub	✓	✓	✓	✓		✓	✓
26WA5355	Lithic Scatter	1650.91	12.51	Big Sagebrush Shrubland		✓	✓	✓			

Appendix A: Site Inventory

	Site Description				Artifacts				Age		
Trinomial	Type	Elevation (m)	Slope (°)	Vegetation Community/Land Cover	Points	Bifaces	Tools	Flakes	Early	Middle	Late
26WA5474	Lithic Scatter	1746.28	16.33	Big Sagebrush Shrubland				✓			
26WA5502	Lithic Scatter	1507.19	1.88	Big Sagebrush Shrubland				✓			
26WA5503	Lithic Scatter	1507.14	1.83	Big Sagebrush Shrubland		✓		✓			
26WA5504	Lithic Scatter	1508.12	2.67	Big Sagebrush Shrubland		✓		✓			
26WA5849	Lithic Scatter	1552.33	31.54	Big Sagebrush Shrubland	✓	✓	✓	✓		✓	✓
26WA5850	Lithic Scatter	1570.76	17.39	Xeric Mixed Sagebrush Shrubland	✓	✓	✓	✓			
26WA5851	Lithic Scatter	1562.68	17.62	Big Sagebrush Shrubland	✓	✓	✓	✓		✓	
26WA5852	Rockshelter	1607.42	35.68	Cliff and Canyon				✓			
26WA5853	Blind	1503.07	0.62	Greasewood Flat		✓		✓			
26WA5855	Lithic Scatter	1554.64	28.80	Cliff and Canyon	✓			✓		✓	
26WA5856	Lithic Scatter	1528.10	19.81	Big Sagebrush Shrubland	✓	✓		✓			✓
26WA5857	Blind	1653.17	36.81	Big Sagebrush Shrubland				✓			
26WA5858	Lithic Scatter	1508.25	5.87	Big Sagebrush Shrubland				✓			
26WA5859	Blind	1520.99	3.89	Big Sagebrush Shrubland							
26WA6684	Rockshelter	1566.78	24.94	Cliff and Canyon	✓	✓	✓	✓		✓	✓
26WA6821	Rockshelter	1750.64	1.51	Big Sagebrush Shrubland	✓	✓	✓	✓		✓	✓
26WA6854	Rockshelter	1632.37	25.06	Xeric Mixed Sagebrush Shrubland				✓			
26WA6855	Rockshelter	1727.03	8.60	Big Sagebrush Shrubland							
26WA7947	Lithic Scatter	1819.13	18.64	Big Sagebrush Shrubland				✓			
26WA7948	Lithic Scatter	1933.28	6.94	Montane Sagebrush Steppe		✓		✓			

Appendix A: Site Inventory

Site Description					Artifacts				Age		
CRNV	Type	Elevation (m)	Slope (°)	Vegetation Community/Land Cover	Points	Bifaces	Tools	Flakes	Early	Middle	Late
02-9630	Lithic Scatter	1912.13	3.99	Semi-Desert Grassland	✓	✓	✓	✓		✓	✓
02-9631	Lithic Scatter	1884.51	0.87	Xeric Mixed Sagebrush Shrubland	✓	✓	✓	✓	✓	✓	✓
02-9632	Lithic Scatter	1895.00	3.12	Xeric Mixed Sagebrush Shrubland	✓			✓			
02-9633	Lithic Scatter	1889.05	3.24	Xeric Mixed Sagebrush Shrubland		✓		✓			
02-9634	Lithic Scatter	1885.45	4.87	Xeric Mixed Sagebrush Shrubland	✓		✓	✓		✓	
02-9635	Lithic Scatter	1889.92	4.73	Xeric Mixed Sagebrush Shrubland	✓		✓	✓	✓	✓	
02-9636	Lithic Scatter	1882.75	1.00	Xeric Mixed Sagebrush Shrubland			✓	✓			
02-9637	Lithic Scatter	1880.76	0.26	Xeric Mixed Sagebrush Shrubland				✓			
02-9638	Lithic Scatter	1882.10	0.55	Xeric Mixed Sagebrush Shrubland			✓	✓			
02-9639	Lithic Scatter	1880.23	0.30	Invasive				✓			
02-9640	Lithic Scatter	1880.44	0.31	Xeric Mixed Sagebrush Shrubland				✓			
02-9641	Lithic Scatter	1882.04	1.09	Invasive	✓		✓	✓		✓	
02-9642	Lithic Scatter	1881.31	0.65	Semi-Desert Shrub Steppe				✓			
02-9643	Lithic Scatter	1880.40	0.50	Xeric Mixed Sagebrush Shrubland				✓			
02-9644	Lithic Scatter	1880.85	0.47	Invasive				✓			
02-9645	Lithic Scatter	1881.40	0.61	Invasive	✓				✓		
02-9646	Lithic Scatter	1887.07	0.21	Xeric Mixed Sagebrush Shrubland				✓			
02-9647	Lithic Scatter	1890.87	2.13	Xeric Mixed Sagebrush Shrubland			✓	✓			
02-9648	Lithic Scatter	1888.04	2.02	Xeric Mixed Sagebrush Shrubland				✓			
02-9649	Lithic Scatter	1886.85	1.62	Xeric Mixed Sagebrush Shrubland	✓			✓		✓	
02-9650	Lithic Scatter	1895.27	2.89	Xeric Mixed Sagebrush Shrubland				✓			
02-9651	Lithic Scatter	1892.17	3.62	Xeric Mixed Sagebrush Shrubland	✓			✓		✓	
02-9652	Lithic Scatter	1888.32	0.56	Xeric Mixed Sagebrush Shrubland			✓	✓			
02-9653	Lithic Scatter	1891.94	12.36	Cliff and Canyon				✓			
02-9654	Lithic Scatter	1886.89	0.55	Xeric Mixed Sagebrush Shrubland				✓			
02-9655	Lithic Scatter	1887.91	1.72	Xeric Mixed Sagebrush Shrubland				✓			
02-9656	Lithic Scatter	1887.64	1.37	Xeric Mixed Sagebrush Shrubland		✓		✓			
02-9657	Lithic Scatter	1204.81	0.76	Playa		✓	✓	✓			
02-9658	Lithic Scatter	1201.51	0.02	Playa	✓	✓	✓	✓		✓	
02-9659	Lithic Scatter	1201.91	0.00	Playa		✓	✓	✓			
02-9660	Lithic Scatter	1201.48	0.23	Playa	✓	✓	✓	✓			
02-9661	Lithic Scatter	1200.96	0.25	Playa			✓	✓			

Appendix A: Site Inventory

	Site Description				Artifacts				Age		
CRNV	Type	Elevation (m)	Slope (°)	Vegetation Community/Land Cover	Points	Bifaces	Tools	Flakes	Early	Middle	Late
02-9662	Lithic Scatter	1199.89	0.06	Playa		✓	✓	✓			
02-9663	Lithic Scatter	1200.22	0.21	Playa			✓	✓			
02-9664	Lithic Scatter	1200.92	0.08	Playa		✓	✓	✓			
02-9665	Lithic Scatter	1201.00	0.28	Playa		✓		✓			
02-9666	Lithic Scatter	1201.39	0.53	Playa				✓			
02-9667	Lithic Scatter	1200.42	0.13	Playa	✓	✓	✓	✓	✓		
02-9668	Lithic Scatter	1200.70	0.45	Playa	✓	✓		✓			
02-9669	Lithic Scatter	1204.72	0.04	Playa	✓	✓	✓	✓	✓		
02-9670	Lithic Scatter	1205.35	0.60	Playa			✓	✓			
02-9671	Lithic Scatter	1207.69	0.71	Playa			✓	✓			
02-9672	Lithic Scatter	1208.54	0.33	Greasewood Flat			✓	✓			
02-9673	Lithic Scatter	1205.18	0.37	Playa		✓	✓	✓			
02-9674	Lithic Scatter	1209.31	0.51	Greasewood Flat		✓		✓			
02-9675	Lithic Scatter	1202.86	0.84	Playa		✓	✓	✓			
02-9676	Lithic Scatter	1201.50	0.21	Playa		✓	✓	✓			
02-9677	Lithic Scatter	1200.39	0.01	Playa		✓	✓	✓			
02-9678	Lithic Scatter	1200.44	0.12	Playa				✓			
02-9679	Lithic Scatter	1201.75	0.56	Playa				✓			
02-9680	Lithic Scatter	1200.90	0.17	Playa				✓			
02-9681	Lithic Scatter	1200.76	0.53	Playa	✓	✓	✓	✓	✓		
02-9682	Lithic Scatter	1200.81	0.29	Playa			✓	✓			
02-9683	Lithic Scatter	1200.88	0.11	Playa				✓			
02-9684	Lithic Scatter	1212.69	0.17	Playa	✓		✓	✓			
02-9685	Lithic Scatter	1211.35	0.25	Greasewood Flat	✓		✓	✓		✓	
02-9686	Lithic Scatter	1210.82	0.29	Greasewood Flat				✓			
02-9687	Lithic Scatter	1211.32	0.17	Greasewood Flat		✓	✓	✓			
02-9688	Lithic Scatter	1212.08	0.21	Greasewood Flat	✓	✓	✓	✓			

Appendix B: Artifact Attributes - Cores

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Maximum Linear Dimension (cm)	Weight (g)	Size Value
010-49-1224	78	N2W1	-	3	1	bsidianidia	3.4	21.5	73.1
010-49-1333	183	S0W1	60	3	1	FGV	7.5	108.7	815.3
010-49-1389	240	S0W1	61	3	1	CCS	72	111.6	8035.2
010-49-1888	718	S0W1	80	4	2	Obsidian	33	15.2	501.6
010-49-2440	1219	S0W1	104	4	3	CCS	55	56.2	3091
010-49-2498	1258b	N2W1	137-142	3	3	Obsidian	3.7	9.7	35.9
010-49-2601	21	N2W1	16	1	1	CCS	5.8	51.2	297
010-49-2868	274	N2W1	63	3a	1	Obsidian	5.1	28.3	144.3
010-49-3180	563d	N2W1	98-103	4	2	Obsidian	2	4	8
010-49-3207	578	N2W1	105-108	4	3	FGV	11.4	394.7	4499.6
010-49-3214	582c	N2W1	108-113	4	3	CCS	3.6	13.8	49.7
010-49-3220	586	N2W1	113	4	3	FGV	7.4	175.3	3050.2
010-49-3256	607	N2W1	128	4	3	CCS	4.7	39	183.3
010-49-3258	610	N2W1	129	4	3	FGV	8.8	277.5	2442
010-49-3288	634	N2W1	87	4	2	CCS	5.6	69.7	390.3
010-49-3291	636a	N2W1	0-138	-	-	FGV	5.4	53	286.2
010-49-3302	641	N2W1	0-138	-	-	FGV	5.3	51.6	273.5
010-49-3339	675	N2W1	151	4	3	CCS	3.7	27.8	102.9
010-49-3345	678	N2W1	150	4	3	CCS	3.8	17.9	68
010-49-3347	680	N2W1	148-153	4	3	CCS	4.8	32	153.6
010-49-3391	712	N2W1	178-183	4/4a	4	FGV	4.2	30.1	126.4
010-49-3429	737	N2W1	188	4	4	CCS	6.9	108	745.2
010-49-3430	738	N2W1	164	4	4	FGV	10.7	190.1	2034
010-49-3535	57	N1W1	80	4	2	FGV	9.1	284.1	2585.3
010-49-3570	71h	N1W1	82-87	4	2	CCS	4.4	27.1	119.2
010-49-3574	71l	N1W1	82-87	4	2	CCS	4.1	25.6	105
010-49-3581	90a	N1W1	67-87	4	2	CCS	3.8	28.7	109
010-49-3591	92f	N1W1	67-87	4	2	CCS	6.9	33.7	232.5
010-49-3592	92g	N1W1	67-87	4	2	CCS	3.6	10.4	37.4
010-49-3601	96c	N1W1	87-92	4	2	Obsidian	4.8	21.9	105.1
010-49-3610	96k	N1W1	87-92	4	2	FGV	5.2	20.8	108.2
010-49-3621	96	N1W1	87-92	4	2	Obsidian	3.4	10.7	36.4
010-49-3646	115	N1W1	98	4	2	CCS	6.2	71.7	444.5
010-49-3647	116	N1W1	99	4	2	FGV	9.7	371.7	3598.7
010-49-3659	129	N1W1	110	4	3	FGV	9.4	245.7	2309.6
010-49-3660	130	N1W1	102-107	4	3	FGV	11.5	231.4	2661.1
010-49-3662	32	N1W1	109	4	3	FGV	8	97.7	782.6
010-49-3681	102h	N1W1	92-97	4	2	CCS	4.5	18.6	83.7
010-49-3703	139g	N1W1	107-112	4	3	FGV	5.6	19.1	107
010-49-3708	147	N1W1	107-112	4	3	Obsidian	4.1	30.1	123.4
010-49-3715	152	N1W1	117	4	3	FGV	14.7	939	13803.3
010-49-3790	195a	N1W1	137-142	4	3	FGV	7.3	94.3	688.4
010-49-3801	202	N1W1	143	4	3	FGV	12.6	1005	12663
010-49-3834	228	N1W1	173	4	4	CCS	5.8	45.2	262.2
010-49-3836	229a	N1W1	172-177	4/6	4	CCS	4	14.6	58.4
010-49-3880	256	N1W1	92	4	2	CCS	5.4	58.7	317
010-49-4024	563x	N2W1	98-103	4	2	CCS	3.3	10.7	35.3
010-49-4025	591x	N2W1	113-118	4	3	CCS	3.8	14.8	56.2

Appendix B: Artifact Attributes - Cores

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Maximum Linear Dimension (cm)	Weight (g)	Size Value
010-49-4026	61x	N1W1	77-82	4	2	CCS	4.8	33.1	158.9
010-49-4044	827	S0W1	83-88	4	2	CCS	2.7	7.4	20
010-49-4080	2c	N1W1	17-22	1	1	CCS	2.7	5.8	15.7
010-49-4081	3a	N1W1	19	1	1	FGV	9.4	249.2	2342.5
010-49-4082	11b	N1W1	52-57	2/3	1	CCS	4.9	52.2	255.8
010-49-4083	26f	N1W1	62-67	3a	1	CCS	4.6	46.5	213.9
010-49-4084	42b	N1W1	67-72	4	2	FGV	5.7	52.7	300.4
010-49-4170	122	N1W1	102	4	2	FGV	12.1	378.8	4583.5

Appendix B: Artifact Attributes - Projectile Points

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Length (mm)	Width (mm)	Thickness (mm)	Wb	Nw	PSA 1	PSA 2	NOI 1	NOI 2	BIR	Wb/Mw	Point Type
010-49-0154	236	S0W2	67-72	4	2	CCS	21.5	14	3	-	9	180	-	0	-	-	-	Desert Side-notched
010-49-0269	528	S0W2	83	4	2	Obsidian	33	14	3.5	8	6	120	120	40	60	-	-	Rosegate
010-49-0331	586	S0W2	-	-	-	Obsidian	28	21	5	-	9	130	-	0	-	0.96	-	Elko Corner-notched
010-49-0619	876	S0W2	101	4	2	Obsidian	17	9	3	9	7	130	130	-	-	-	-	Rosegate
010-49-0812	354	S0W2	72-77	4	2	CCS	7	9	3	8	7	110	120	-	-	-	-	Rosegate
010-49-0985	968	S0W2	107-112	4	3	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Rosegate
010-49-0989	972	S0W2	107-112	4	3	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-0991	974	S0W2	107-112	4	3	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-1020	995	S0W2	122-127	4	3	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-1044	1034	S0W2	152-157	4	4	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-1051	1038	S0W2	157-162	5	4	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-1052	1039	S0W2	157-162	5	4	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-1073	1052	S0W2	172-177	5	4	Obsidian	44	15	4.5	13	-	-	-	-	-	0.89	0.87	Humboldt Concave Base
010-49-1078	1056	S0W2	177-182	5	4	CCS	15	14	6	11	-	-	-	-	-	-	-	Humboldt Concave Base
010-49-1107	1012	S0W2	127-132	4	3	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-1115	1018	S0W2	138	4	3	Obsidian	34	23	6	-	18	85	-	85	-	-	-	Gatecliff Split Stem
010-49-1509	356	S0W2	65	3	1	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-2465	1237c	S0W1	117-122	4	3	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-2598	19c	N2W1	10-15	1	1	CCS	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-2835	243a	N2W1	60	3a	1	CCS	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-2877	292	N2W1	63-68	3a/4	1	Obsidian	11	11	3	-	9	-	-	-	-	-	-	Desert Side-notched
010-49-2930	334	N2W1	78-83	3a/4	1	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-2981	381a	N2W1	-	-	-	CCS	18	13	4	-	-	-	-	-	-	-	-	Cottonwood
010-49-3122	487	N2W1	77-82	4	2	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-3123	492	N2W1	77-82	4	2	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-3124	504a	N2W1	77-82	4	2	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-3125	517a	N2W1	77-82	4	2	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-3126	518a	N2W1	77-82	4	2	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-3200	573g	N2W1	103-108	4	3	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-3250	606d	N2W1	123-128	4	3	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-3283	629	N2W1	133-138	4	3	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-3307	648	N2W1	0-138	4	-	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-3336	672	N2W1	143-148	4	3	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-3344	677	N2W1	148-153	4	3	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment

Note: Wb = basal width (mm); Nw = neck width (mm); PSA = proximal shoulder angle (°); NOI = notch opening index (°); BIR = basal indentation ratio; Wb/Mw = basal width/maximum width.

Appendix B: Artifact Attributes - Projectile Points

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Length (mm)	Width (mm)	Thickness (mm)	Wb	Nw	PSA 1	PSA 2	NOI 1	NOI 2	BIR	Wb/Mw	Point Type
010-49-3349	681a	N2W1	153-158	4	4	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-3350	681b	N2W1	153-158	4	4	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-3360	688	N2W1	158-163	4	4	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-3445	283	S0W2	73	4	2	CCS	22	11	3	8	6.5	120	130	60	50	-	-	Rosegate
010-49-3446	786	S0W2	82	4	2	Obsidian	39	23	4	-	12.5	115	120	25	20	0.96	-	Elko Eared
010-49-3447	53	S0W2	57-62	3	1	CCS	23	20.5	4	13	11	120	130	40	30	-	-	Elko Corner-notched
010-49-3448	186	S0W2	71	3	1	CCS	61	24	8	-	18	110	110	70	80	-	-	Elko Corner-notched
010-49-3449	1044	S0W2	167	4	4	Obsidian	21	18	7	14.5	-	-	-	-	-	-	-	Humboldt Concave Base
010-49-3450	1006	S0W2	131	4	3	Obsidian	26	28	7	11	-	-	-	-	-	-	-	Humboldt Concave Base
010-49-3451	50	S0W2	62	3	1	Obsidian	21	13	3	13	-	-	-	-	-	-	-	Cottonwood
010-49-3452	1054	S0W2	178	5	4	Obsidian	23	19	4	16	13	110	120	70	70	-	-	Gatecliff Split Stem
010-49-3453	985	S0W2	117	4	3	FGV	33	19	5	9.5	9	95	110	65	50	1	-	Gatecliff Contracting Stem
010-49-3454	170	S0W1	58	3	1	Obsidian	19	16.5	4	16.5	-	-	-	-	-	0.79	1	Cottonwood
010-49-3455	-	S0W1	63-68	3/4	2	CCS	17.5	11	3	11	-	-	-	-	-	-	-	Cottonwood
010-49-3457	457	S0W1	63-68	4	2	Obsidian	22	16	4	8.5	7	130	130	10	40	-	-	Rosegate
010-49-3458	79	S0W1	57	3	1	Obsidian	24	16	5	-	6	-	-	-	-	-	-	Rosegate
010-49-3459	1230	S0W1	112	4	3	CCS	29	17	3	7	6	95	110	25	-	-	-	Rosegate
010-49-3460	1212	S0W1	98-103	4	2	CCS	38	16.5	4	7	6	90	110	30	15	-	-	Rosegate
010-49-3461	1250	S0W1	128	4	3	CCS	23	14	3	7	6	120	-	50	-	-	-	Rosegate
010-49-3462	9	S0W1	27-32	1	1	CCS	15	20	4	9.5	9	110	110	30	10	-	-	Rosegate
010-49-3463	159	S0W1	59	3	1	Obsidian	29	17	5	-	11	110	120	-	60	-	-	Elko Eared
010-49-3464	874	S0W1	85	4	2	Obsidian	23	18	4	13	11	120	130	40	30	-	-	Elko Eared
010-49-3465	1202	S0W1	98	4	2	Obsidian	22	22	5	18	12	125	125	35	-	-	-	Elko Eared
010-49-3466	1293	S0W1	233	6	4	Obsidian	22	14	5	13	-	-	-	-	-	-	0.93	Humboldt Concave Base
010-49-3467	1140	S0W1	94	4	2	Obsidian	26.5	21	5	9	11	85	100	75	50	-	-	Gatecliff Contracting Stem
010-49-3468	1222	S0W1	105	4	3	Obsidian	19	26	5	16	16	90	100	70	90	-	-	Gatecliff Split Stem
010-49-3469	1270	S0W1	162	5	4	Obsidian	46	23	5	12	19	85	85	125	135	-	-	Gatecliff Split Stem
010-49-3470	1263	S0W1	151	4	3	CCS	23	22	5	11.5	11.5	95	95	75	65	-	-	Gatecliff Split Stem
010-49-3471	591c	N2W1	113-118	4	3	Obsidian	5	8	3	8.5	8	100	100	-	-	-	-	Undiagnostic Fragment
010-49-3472	662	N2W1	138-143	4	3	Obsidian	20	13	3	9.5	8.5	120	110	10	-	-	-	Rosegate
010-49-3473	640	N2W1	0-138	-	-	CCS	22	19	3	-	8	-	-	-	-	-	-	Rosegate
010-49-3474	647	N2W1	0-138	-	-	Obsidian	18.5	20	2.5	-	7	-	-	-	-	-	-	Rosegate
010-49-3475	545	N2W1	88	4	2	Obsidian	24	18	3	-	8	110	120	20	0	-	-	Rosegate
010-49-3476	625	N2W1	136	4	3	CCS	42	18	4	8	7	100	110	20	10	-	-	Rosegate

Note: Wb = basal width (mm); Nw = neck width (mm); PSA = proximal shoulder angle (°); NOI = notch opening index (°); BIR = basal indentation ratio; Wb/Mw = basal width/maximum width.

Appendix B: Artifact Attributes - Projectile Points

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Length (mm)	Width (mm)	Thickness (mm)	Wb	Nw	PSA 1	PSA 2	NOI 1	NOI 2	BIR	Wb/Mw	Point Type
010-49-3477	36	N2W1	15-20	1	1	CCS	19	18	3.5	9	7.5	120	120	40	50	-	-	Rosegate
010-49-3478	615	N2W1	128-133	4	3	CCS	14	19	4	9.5	9	95	100	25	40	-	-	Rosegate
010-49-3479	663	N2W1	138-143	4	3	Obsidian	15	15	3	-	7	110	-	-	-	-	-	Elko Eared
010-49-3480	592	N2W1	113-118	4	3	Obsidian	26	25	5	18	15	120	120	30	50	-	-	Elko Eared
010-49-3481	594	N2W1	117	4	3	Obsidian	17	19.5	4	13	11	120	120	30	30	-	-	Elko Eared
010-49-3482	643	N2W1	0-138	-	-	Obsidian	16	17.5	3.5	-	12	130	-	50	-	-	-	Elko Eared
010-49-3483	670	N2W1	143-148	4	3	Obsidian	11	16	2	-	10.5	135	-	15	-	-	-	Elko Corner-notched
010-49-3484	596	N2W1	117	4	3	Obsidian	41	25	4	19	13	140	130	0	0	0.95	-	Elko Corner-notched
010-49-3486	-	N2W1	-	3a/4	1	CCS	31	13.5	3	13.5	7	180	180	0	0	-	-	Desert Side-notched
010-49-3487	486	N2W1	77-82	4	2	CCS	14	11	3	11	7	170	170	10	10	-	-	Desert Side-notched
010-49-3488	535	N2W1	83-88	4	2	CCS	25	10	3	11	5	170	170	10	10	-	-	Desert Side-notched
010-49-3489	654	N2W1	0-138	-	-	CCS	21	14	4	12	6.5	160	160	20	20	-	-	Desert Side-notched
010-49-3490	-	N2W1	-	3a/4	1	Obsidian	20	8	2.5	-	6	180	-	0	-	-	-	Desert Side-notched
010-49-3492	374	N2W1	64-69	3a/4	1	Obsidian	4.5	14	2	14	9	180	180	-	-	-	-	Desert Side-notched
010-49-3494	315	N2W1	68-73	3/3a	1	Obsidian	25	10	3	-	-	160	-	20	-	-	-	Desert Side-notched
010-49-3496	60	N1W1	72-77	4	2	Obsidian	13	7.5	2	-	6.7	-	-	-	-	-	-	Desert Side-notched
010-49-3497	146	N1W1	112	4	3	Obsidian	19	9	2	-	-	-	-	-	-	-	-	Desert Side-notched
010-49-3498	87	N1W1	87-143	4	-	Obsidian	12	11	3	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-3499	63	N1W1	77-82	4	2	Obsidian	16	11.5	3	-	6	-	-	-	-	-	-	Rosegate
010-49-3500	232	N1W1	172-177	4/6	4	Obsidian	31.5	25	7	16.5	18	90	90	70	-	-	-	Gatecliff Split Stem
010-49-3501	113a	N1W1	97-102	4	2	Obsidian	11	11	3	7	6.5	120	120	-	-	-	-	Rosegate
010-49-3502	84	N1W1	87-143	4	-	Obsidian	27	14	3	-	7	-	-	-	-	-	-	Rosegate
010-49-3503	54	N1W1	75	4	2	Obsidian	27.5	22	3	9	9	95	110	35	5	-	-	Rosegate
010-49-3504	76	N1W1	82-87	4	2	CCS	28	13	4.5	8	6	130	130	50	50	-	-	Rosegate
010-49-3505	61	N1W1	77-82	4	2	CCS	30	13	3.5	7	5.5	120	120	10	30	-	-	Rosegate
010-49-3506	74	N1W1	77-82	4	2	Obsidian	24	19	4	-	7	-	-	-	-	-	-	Rosegate
010-49-3507	159	N1W1	112-117	4	3	Obsidian	10	19	3	19	10.5	130	130	-	-	-	-	Elko Eared
010-49-3508	160	N1W1	112-117	4	3	Obsidian	29	23	6	-	15	130	-	30	-	-	-	Elko Eared
010-49-3510	81	N1W1	87-143	4	-	Obsidian	18	18	4	-	10	110	-	40	-	-	-	Elko Eared
010-49-3511	123	N1W1	97-102	4	2	Obsidian	19	21	3	10	9	130	110	10	40	-	-	Elko Corner-notched
010-49-3512	41	N1W1	62-67	4	2	CCS	23	13.5	4	12	10	130	130	-	-	0.91	-	Elko Eared
010-49-3537	59	N1W1	72-77	4	2	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-3544	61f	N1W1	77-82	4	2	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-3557	66	N1W1	81	4	2	CCS	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment

Note: Wb = basal width (mm); Nw = neck width (mm); PSA = proximal shoulder angle (°); NOI = notch opening index (°); BIR = basal indentation ratio; Wb/Mw = basal width/maximum width.

Appendix B: Artifact Attributes - Projectile Points

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Length (mm)	Width (mm)	Thickness (mm)	Wb	Nw	PSA 1	PSA 2	NOI 1	NOI 2	BIR	Wb/Mw	Point Type
010-49-3577	75	N1W1	82-87	4	2	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-3579	78	N1W1	82-87	4	2	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-3668	138	N1W1	102-107	4	3	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-3687	80b	N1W1	87-143	4	-	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-3692	86	N1W1	87-143	4	-	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-3721	157	N1W1	112-117	4	3	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-3765	181h	N1W1	122-127	4	3	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-3770	185a	N1W1	122-127	4	3	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-3771	186	N1W1	122-127	4	3	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-3781	191	N1W1	127-132	4	3	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-3783	192a	N1W1	132-137	4	3	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-3807	208	N1W1	142-147	4	3	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-3959	1255	N1W1	132-137	4	3	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-3960	1233	S0W1	112-117	4	3	Obsidian	-	-	-	14	-	120	-	-	-	-	-	Elko Corner-notched
010-49-3976	1132c	N1W1	93-98	4	2	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-3987	61b	N1W1	77-82	4	2	CCS	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-3994	279a	N2W1	63-68	3a	1	Obsidian	23	13	3	-	-	-	-	-	-	1	-	Cottonwood
010-49-3995	317	N2W1	73-78	3/3a	1	Obsidian	15	13	2	13	7	180	180	10	10	-	-	Desert Side-notched
010-49-3996	235	N1W1	67-72	4	2	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-3997	161	S0W2	62-67	3	1	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-3998	-	S0W2	72-77	4	2	Obsidian	-	-	-	9.5	8	110	-	-	-	-	-	Rosegate
010-49-3999	97x	N2W1	55-60	3	1	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-4000	827	S0W1	83-88	4	2	CCS	-	14	3	14	-	-	-	-	-	-	-	Cottonwood
010-49-4001	-	S0W2	67-72	4	2	CCS	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-4002	-	S0W2	87-92	4	2	CCS	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-4010	977c	S0W2	112-117	4	3	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-4011	977d	S0W2	112-117	4	3	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-4069	416	N2W1	67-72	4	2	CCS	18	15	3.5	-	-	-	-	-	-	-	-	Cottonwood
010-49-4070	79	N1W1	82-87	4	2	CCS	13	16	3	16	-	-	-	-	-	-	-	Cottonwood
010-49-4071	353	S0W1	64	3	1	Obsidian	18	15	4	14	-	-	-	-	-	-	1	Cottonwood
010-49-4073	218	N2W1	60-62	3/3a	1	Obsidian	19	10	2.5	-	7.5	180	-	10	-	-	-	Desert Side-notched
010-49-4074	113a	N1W1	97-102	4	2	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment
010-49-4075	112	N1W1	92-97	4	2	Obsidian	16	19	4	19	11	130	130	20	-	-	-	Elko Eared
010-49-4076	980	S0W1	88-93	4	2	Obsidian	-	-	-	-	-	-	-	-	-	-	-	Undiagnostic Fragment

Note: Wb = basal width (mm); Nw = neck width (mm); PSA = proximal shoulder angle (°); NOI = notch opening index (°); BIR = basal indentation ratio; Wb/Mw = basal width/maximum width.

Appendix B: Artifact Attributes - Unhafted Bifaces

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Weight (g)	Length (mm)	Width (mm)	Thickness (mm)	Width/ Thickness	Reduction Stage
02-1677-0093	161	S0W2	62-67	3	1	Obsidian	1.1	-	-	-	-	-
02-1677-0096	161	S0W2	62-67	3	1	Obsidian	0.2	15.0	5.0	3.0	1.67	5
02-1677-0097	161	S0W2	62-67	3	1	Obsidian	0.1	11.5	7.0	1.5	4.67	5
02-1677-0098	161	S0W2	62-67	3	1	Obsidian	0.1	-	-	-	-	-
02-1677-0105	216	S0W2	69	4	2	CCS	1.5	26.0	10.0	7.0	1.43	-
02-1677-0125	235	S0W2	67-72	4	2	Obsidian	0.1	-	-	-	-	-
02-1677-0126	235	S0W2	67-72	4	2	Obsidian	0.1	6.0	7.0	2.0	3.50	5
02-1677-0128	235	S0W2	67-72	4	2	Obsidian	0.1	-	-	-	-	-
02-1677-0129	135	S0W2	67-72	4	2	Obsidian	1.1	9.5	23.0	6.0	3.83	3
02-1677-0131	235	S0W2	67-72	4	2	CCS	2.5	14.0	25.0	7.0	3.57	3
02-1677-0133	235	S0W2	62-67	4	2	CCS	1.1	-	-	-	-	-
02-1677-0149	251	S0W2	72-77	4	2	Obsidian	0.2	15.5	9.0	3.0	3.00	-
02-1677-0150	251	S0W2	72-77	4	2	CCS	0.3	10.0	11.0	3.5	3.14	4
02-1677-0175	392	S0W2	80	4	2	Obsidian	3.7	27.0	24.0	6.5	3.69	3
02-1677-0241	506	S0W2	77-82	4	2	CCS	5.2	22.0	24.0	7.0	3.43	3
02-1677-0242	506	S0W2	77-82	4	2	Obsidian	0.4	-	-	-	-	4
02-1677-0243	506	S0W2	77-82	4	2	Obsidian	0.3	-	-	-	-	-
02-1677-0256	515	S0W2	84	4	2	Obsidian	4.1	40.0	21.0	5.0	4.20	4
02-1677-0288	547	S0W2	83	4	2	Obsidian	0.5	19.0	14.0	2.5	5.60	4
02-1677-0324	583	S0W2	82-87	4	2	Obsidian	0.4	11.0	13.0	3.0	4.33	5
02-1677-0390	645	S0W2	89	4	2	CCS	0.7	22.0	14.5	2.5	5.80	5
02-1677-0394	649	S0W2	90	4	2	CCS	1.7	20.0	16.0	5.0	3.20	4
02-1677-0417	672	S0W2	92	4	2	CCS	2.0	15.0	31.0	5.0	6.20	5
02-1677-0447	712	S0W2	91	4	2	CCS	10.3	38.0	24.5	10.0	2.45	2
02-1677-0470	735	S0W2	93	4	2	CCS	3.2	-	-	-	-	-
02-1677-0526	790	S0W2	96	4	2	Obsidian	2.6	28.0	19.0	4.0	4.75	4
02-1677-0570	833	S0W2	92-97	4	2	Obsidian	0.3	13.5	11.0	3.0	3.67	5
02-1677-0571	833a	S0W2	92-97	4	2	CCS	0.2	11.0	8.0	2.5	3.20	5
02-1677-0588	846	S0W2	97	4	2	CCS	4.5	39.5	26.0	5.0	5.20	4
02-1677-0698	952	S0W2	102	4	2	Obsidian	1.7	23.0	15.0	6.0	2.50	3
02-1677-0699	953	S0W2	102	4	2	Obsidian	1.0	22.0	15.0	5.0	3.00	3
02-1677-0712	963a	S0W2	102-107	4	3	Obsidian	0.2	11.0	10.0	2.5	4.00	5
02-1677-0713	963b	S0W2	102-107	4	3	Obsidian	0.1	6.0	6.5	2.0	3.25	4
02-1677-0714	963c	S0W2	102-107	4	3	Obsidian	0.6	8.0	6.0	2.0	3.00	5
02-1677-0743	287	S0W1	75	4	2	CCS	4.0	24.0	26.0	6.0	4.33	4
02-1677-0787	331	S0W2	75	4	2	CCS	1.1	17.0	15.0	6.5	2.31	3
02-1677-0807	351	S0W2	75	4	2	CCS	4.7	33.5	20.0	8.5	2.35	3
02-1677-0828	370	S0W2	78	4	2	Obsidian	1.7	32.0	13.0	4.0	3.25	5
02-1677-0920	170	S0W2	68	3	1	CCS	7.5	42.0	23.5	8.0	2.94	2
02-1677-0990	973	S0W2	107-112	4	3	Obsidian	0.1	6.0	6.0	2.0	3.00	5
02-1677-0992	975	S0W2	112	4	3	Obsidian	0.8	-	-	-	-	-
02-1677-1001	982	S0W2	114	4	3	CCS	9.1	63.0	16.0	7.0	2.29	4
02-1677-1005	986	S0W2	112-117	4	3	CCS	0.2	-	-	-	-	-
02-1677-1009	988	S0W2	117-122	4	3	Obsidian	0.2	17.0	8.0	2.0	4.00	5
02-1677-1011	990	S0W2	117-122	4	3	Obsidian	0.1	-	-	-	-	-
02-1677-1012	991	S0W2	117-122	4	3	Obsidian	0.1	-	-	-	-	-
02-1677-1022	997	S0W2	124	4	3	Obsidian	1.8	-	-	-	-	-
02-1677-1023	998	S0W2	122-127	4	3	Obsidian	0.3	10.0	12.0	3.0	4.00	5
02-1677-1026	1001	S0W2	122-127	4	3	Obsidian	1.3	-	-	-	-	-
02-1677-1036	1027	S0W2	149	4	3	CCS	1.3	21.5	19.0	2.0	9.50	4
02-1677-1038	1029	S0W2	147-152	4	3	Obsidian	0.8	14.0	15.0	4.0	3.75	5
02-1677-1039	1030	S0W2	143	4	3	Obsidian	0.7	19.0	14.5	3.0	4.83	5
02-1677-1056	1041	S0W2	164	5	4	CCS	8.4	36.0	39.0	9.0	4.33	4
02-1677-1057	1042	S0W2	166	5	4	Obsidian	3.1	-	-	-	-	-
02-1677-1058	1043	S0W2	162-167	5	4	CCS	2.5	17.5	30.0	6.0	5.00	3
02-1677-1070	1049	S0W2	172	5	4	Obsidian	3.7	29.0	26.0	5.0	5.20	4
02-1677-1072	1051	S0W2	172-177	5	4	CCS	1.4	28.0	15.0	6.0	2.50	3

Appendix B: Artifact Attributes - Unhafted Bifaces

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Weight (g)	Length (mm)	Width (mm)	Thickness (mm)	Width/ Thickness	Reduction Stage
02-1677-1104	1009	S0W2	132	4	3	Obsidian	0.1	-	-	-	-	-
02-1677-1105	1010	S0W2	132	4	3	CCS	2.6	27.0	19.0	4.0	4.75	5
02-1677-1106	1011	S0W2	133	4	3	Obsidian	4.1	29.0	21.5	6.5	3.31	3
02-1677-1109	1014	S0W2	134	4	3	CCS	1.1	22.0	14.0	5.0	2.80	-
02-1677-1114	1017	S0W2	138	4	3	Obsidian	6.8	32.0	29.0	10.0	2.90	3
02-1677-1188	42	S0W1	54	3	1	CCS	1.6	20.0	21.0	4.5	4.67	4
02-1677-1310	158	S0W1	59	3	1	CCS	1.1	-	-	-	-	-
02-1677-1351	202	S0W1	60	3	1	CCS	1.0	22.0	11.5	4.0	2.88	4
02-1677-1371	222	S0W1	60	3	1	CCS	6.3	35.0	24.0	9.0	2.67	3
02-1677-1377	228	S0W1	60	3	1	CCS	11.2	31.0	35.0	9.0	3.89	4
02-1677-1408	259	S0W1	63	3	1	CCS	4.6	26.5	27.0	5.5	4.91	3
02-1677-1474	324	S0W1	64	3	1	CCS	7.4	50.0	19.0	7.0	2.71	3
02-1677-1482	331	S0W1	63-68	3	1	CCS	1.5	-	-	-	-	-
02-1677-1484	331d	S0W1	63-68	3	1	CCS	1.0	24.0	9.5	4.0	2.38	-
02-1677-1540	384b	S0W1	63-68	3	1	Obsidian	0.3	17.0	8.0	4.0	2.00	-
02-1677-1563	407	S0W1	68	3	1	CCS	4.7	20.0	27.0	8.5	3.18	2
02-1677-1575	419	S0W1	71	3	1	Obsidian	0.6	18.0	13.5	3.0	4.50	4
02-1677-1595	437	S0W1	67	4	2	CCS	3.9	20.0	25.0	7.0	3.57	3
02-1677-1605	447	S0W1	68	4	2	Obsidian	3.9	19.0	23.0	8.0	2.88	2
02-1677-1619	459	S0W1	71	4	2	CCS	1.0	-	19.5	5.0	3.90	4
02-1677-1664	504	S0W1	73	4	2	Obsidian	0.3	12.5	11.5	2.5	4.60	5
02-1677-1731	566c	S0W1	73-78	4	2	Obsidian	0.9	-	-	-	-	-
02-1677-1741	575	S0W1	76	4	2	CCS	6.2	36.0	28.0	5.0	5.60	4
02-1677-1784	618	S0W1	76	4	2	Obsidian	0.3	14.0	11.0	2.5	4.40	4
02-1677-1845	679	S0W1	78	4	2	Obsidian	4.4	26.0	26.0	6.0	4.33	4
02-1677-1878	708	S0W1	80	4	2	CCS	47.4	72.0	35.0	21.0	1.67	2
02-1677-1963	793	S0W1	83	4	2	Obsidian	8.5	42.0	23.5	9.5	2.47	3
02-1677-1999	827b	S0W1	83-88	4	2	Obsidian	0.3	17.0	11.0	2.5	4.40	5
02-1677-2000	827c	S0W1	83-88	4	2	Obsidian	0.1	15.0	6.0	2.0	3.00	-
02-1677-2058	886	S0W1	85	4	2	Obsidian	0.1	-	-	-	-	-
02-1677-2103	931	S0W1	88	4	2	Obsidian	1.8	11.5	31.5	4.5	7.00	5
02-1677-2130	958	S0W1	88	4	2	Obsidian	5.7	23.0	30.5	8.0	3.81	3
02-1677-2152	980	S0W2	88-93	4	2	Obsidian	0.1	8.0	7.5	2.0	3.75	5
02-1677-2267	1053	S0W1	90	4	2	Obsidian	1.6	20.0	21.0	5.0	4.20	4
02-1677-2279	1065	S0W1	91	4	2	Obsidian	7.1	41.0	18.0	8.0	2.25	2
02-1677-2428	1213	S0W1	98-103	4	2	CCS	2.1	23.0	15.0	6.0	2.50	3
02-1677-2430	1209	S0W1	102	4	2	CCS	3.1	33.0	19.0	5.5	3.45	5
02-1677-2431	1210	S0W1	102	4	2	Obsidian	4.2	33.0	28.0	5.0	5.60	5
02-1677-2435	1215	S0W1	104	4	3	Obsidian	3.0	30.0	20.0	7.0	2.86	3
02-1677-2445	1225	S0W1	104	4a	3	Obsidian	15.2	39.0	39.0	12.0	3.25	3
02-1677-2446	1224	S0W1	104	4a	3	Obsidian	18.0	45.0	32.0	13.0	2.46	3
02-1677-2455	1233b	S0W1	112-117	4	3	Obsidian	0.4	8.0	12.0	4.5	2.67	4
02-1677-2457	1233d	S0W1	112-117	4	3	CCS	2.4	23.0	18.5	4.5	4.11	4
02-1677-2466	1237d	S0W1	117-122	4	3	Obsidian	1.3	16.0	17.0	4.0	4.25	5
02-1677-2468	1238	S0W1	117	4	3	CCS	5.3	36.0	23.0	6.0	3.83	4
02-1677-2471	1240	S0W1	122	4	3	CCS	12.8	50.0	23.0	12.0	1.92	2
02-1677-2475	1241	S0W1	122	4	3	Obsidian	0.8	23.0	17.0	4.5	3.78	5
02-1677-2481	1248	S0W1	127	4	3	CCS	22.9	62.0	35.0	10.0	3.50	3
02-1677-2486	1252b	S0W1	127-132	4	3	Obsidian	0.9	16.5	15.5	3.5	4.43	3
02-1677-2488	1254	S0W1	132	4	3	Obsidian	3.7	42.0	19.0	5.0	3.80	5
02-1677-2493	1255d	S0W1	132-137	4	3	CCS	6.8	36.0	32.0	9.0	3.56	4
02-1677-2500	1259	S0W1	139	4	3	CCS	6.1	34.0	32.0	7.0	4.57	4
02-1677-2526	1275	S0W1	167-172	5	4	CCS	9.8	38.0	29.0	9.0	3.22	5
02-1677-2549	1288b	S0W1	207-212	6	4	Obsidian	0.1	-	-	-	-	-
02-1677-2567	34	S0W1	57	2	1	FGV	10.6	21.0	47.0	12.0	3.92	3
02-1677-2570	153	S0W1	60	3	1	CCS	1.9	26.0	19.0	4.0	4.75	4
02-1677-2571	186	S0W1	186	3	1	Obsidian	0.2	12.0	11.0	2.0	5.50	5

Appendix B: Artifact Attributes - Unhafted Bifaces

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Weight (g)	Length (mm)	Width (mm)	Thickness (mm)	Width/ Thickness	Reduction Stage
02-1677-2573	1300	S0W1	82	4	2	Obsidian	8.0	29.0	31.0	7.5	4.13	5
02-1677-2599	19d	N2W1	10-15	1	1	CCS	0.5	-	-	-	-	-
02-1677-2642	56	N2W1	54	3	1	FGV	62.8	55.0	61.0	17.0	3.59	2
02-1677-2788	199	N2W1	60	3	1	Obsidian	2.3	41.0	20.0	5.0	4.00	5
02-1677-2829	239	N2W1	61	3a	1	Obsidian	2.3	21.0	16.0	5.0	3.20	5
02-1677-2833	242	N2W1	55-60	3a	1	Obsidian	0.1	8.0	7.0	1.8	3.89	5
02-1677-2840	247	N2W1	60-61	3a	1	Obsidian	0.3	-	-	-	-	-
02-1677-2854	260	N2W1	61	3a	1	CCS	11.3	40.0	26.0	14.0	1.86	2
02-1677-2875	279b	N2W1	63-68	3a	1	CCS	2.4	43.0	12.0	7.0	1.71	4
02-1677-2876	279c	N2W1	63-68	3a	1	CCS	2.2	-	-	-	-	-
02-1677-2878	293	N2W1	63-68	3a	1	Obsidian	1.0	9.0	8.0	3.0	2.67	5
02-1677-2887	288	N2W1	65	3a	1	FGV	3.4	29.0	23.0	6.0	3.83	4
02-1677-2898	302	N2W1	71	3/3a	1	CCS	1.1	-	-	-	-	-
02-1677-2926	331	N2W1	81	3a/4	2	CCS	6.9	37.0	29.0	7.0	4.14	4
02-1677-2944	346	N2W1	67	3a	1	CCS	1.8	20.0	17.0	8.0	2.13	3
02-1677-2964	366	N2W1	66	3a	1	CCS	8.8	36.0	29.0	9.0	3.22	4
02-1677-2969	371	N2W1	68	3a/4	1	CCS	2.0	15.0	30.0	5.0	6.00	4
02-1677-2970	372	N2W1	68	3a/4	1	Obsidian	9.1	39.0	26.0	10.0	2.60	3
02-1677-2973	373	N2W1	64-69	3a/4	1	CCS	2.5	29.0	21.0	5.0	4.20	4
02-1677-3010	415c	N2W1	67-72	4	2	Obsidian	0.1	7.5	5.0	1.5	3.33	5
02-1677-3024	382a	N2W1	72-77	4	2	Obsidian	0.4	-	-	-	-	-
02-1677-3071	473	N2W1	72-77	4	2	Obsidian	3.4	23.0	21.0	6.0	3.50	4
02-1677-3081	481	N2W1	78	4	2	CCS	7.3	41.0	23.0	10.0	2.30	3
02-1677-3097	501	N2W1	78	4	2	Obsidian	0.1	12.0	8.0	1.5	5.33	5
02-1677-3128	527	N2W1	82	4	2	Obsidian	5.8	20.0	32.0	10.5	3.05	3
02-1677-3133	533	N2W1	84	4	2	Obsidian	2.2	25.0	17.0	5.0	3.40	-
02-1677-3135	534a	N2W1	83-88	4	2	Obsidian	0.5	-	-	-	-	-
02-1677-3140	570	N2W1	98-103	4	2	CCS	3.9	30.0	20.0	8.5	2.35	3
02-1677-3141	538	N2W1	86	4	2	CCS	6.4	39.0	33.0	6.0	5.50	4
02-1677-3152	548c	N2W1	88-93	4	2	CCS	0.7	15.0	9.0	7.0	1.29	-
02-1677-3153	548d	N2W1	88-93	4	2	Obsidian	0.1	6.0	5.5	2.3	2.39	5
02-1677-3157	548h	N2W1	88-93	4	2	Obsidian	0.1	14.0	4.5	3.0	1.50	4
02-1677-3158	549	N2W1	92	4	2	CCS	5.7	33.0	30.0	5.0	6.00	5
02-1677-3159	550	N2W1	88-93	4	2	Obsidian	0.3	17.0	8.0	2.0	4.00	5
02-1677-3160	551	N2W1	88-93	4	2	Obsidian	3.1	28.0	26.0	5.0	5.20	5
02-1677-3161	552	N2W1	88-93	4	2	CCS	0.5	21.0	11.5	3.0	3.83	5
02-1677-3164	553b	N2W1	93-98	4	2	CCS	6.0	32.0	27.0	12.0	2.25	2
02-1677-3167	554	N2W1	93-98	4	2	CCS	0.3	20.0	11.0	2.5	4.40	5
02-1677-3168	555	N2W1	98	4	2	Obsidian	9.1	27.0	37.0	10.0	3.70	3
02-1677-3169	557	N2W1	96	4	2	CCS	2.2	22.0	19.0	4.0	4.75	5
02-1677-3170	558	N2W1	93-98	4	2	Obsidian	3.5	30.0	20.5	5.0	4.10	4
02-1677-3179	563c	N2W1	98-103	4	2	Obsidian	0.4	9.0	16.0	3.0	5.33	5
02-1677-3181	563e	N2W1	98-103	4	2	Obsidian	0.1	-	-	-	-	-
02-1677-3182	563f	N2W1	98-103	4	2	CCS	1.3	21.0	13.0	4.5	2.89	3
02-1677-3183	563g	N2W1	98-103	4	2	CCS	0.7	-	-	-	-	-
02-1677-3186	565	N2W1	98	4	2	CCS	7.6	37.0	33.0	8.0	4.13	4
02-1677-3196	573c	N2W1	103-108	4	2	CCS	0.3	17.0	9.0	2.3	4.00	5
02-1677-3197	573d	N2W1	103-108	4	2	CCS	1.4	15.0	19.0	5.0	3.80	4
02-1677-3198	573e	N2W1	103-108	4	2	CCS	3.4	23.0	33.0	6.0	5.50	4
02-1677-3209	580	N2W1	106	4	3	Obsidian	2.2	29.0	20.0	5.0	4.00	4
02-1677-3215	582d	N2W1	108-113	4	3	Obsidian	0.3	-	-	-	-	-
02-1677-3217	583	N2W1	103-108	4	3	Obsidian	0.2	11.0	7.5	2.5	3.00	5
02-1677-3218	584	N2W1	108-113	4	3	FGV	3.3	44.0	14.0	5.0	2.80	4
02-1677-3223	589	N2W1	117	4	3	CCS	9.4	42.0	36.0	8.0	4.50	4
02-1677-3228	591d	N2W1	113-118	4	3	CCS	1.0	30.0	12.0	4.0	3.00	4
02-1677-3231	595	N1W1	113-118	4	3	CCS	8.3	32.0	25.0	11.0	2.27	2
02-1677-3232	597	N2W1	108-113	4	3	CCS	1.5	30.0	9.0	6.0	1.50	3

Appendix B: Artifact Attributes - Unhafted Bifaces

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Weight (g)	Length (mm)	Width (mm)	Thickness (mm)	Width/ Thickness	Reduction Stage
02-1677-3238	599d	N2W1	118-123	4	3	Obsidian	0.3	14.0	9.0	3.0	3.00	-
02-1677-3241	601	N2W1	118-123	4	3	Obsidian	1.0	13.0	20.0	3.0	6.67	5
02-1677-3244	604	N2W1	118-123	4	3	Obsidian	0.1	-	-	-	-	-
02-1677-3248	606b	N2W1	123-128	4	3	Obsidian	0.2	-	-	-	-	-
02-1677-3249	606c	N2W1	123-128	4	3	Obsidian	0.1	-	-	-	-	-
02-1677-3251	606e	N2W1	123-128	4	3	Obsidian	0.2	13.0	7.5	3.0	2.50	4
02-1677-3252	606f	N2W1	123-128	4	3	Obsidian	1.0	15.0	18.0	4.0	4.50	5
02-1677-3268	616	N2W1	133	4	3	Obsidian	3.5	31.0	20.0	5.0	4.00	5
02-1677-3271	619	N2W1	128-133	4	3	CCS	0.2	16.0	9.0	2.5	3.60	5
02-1677-3282	628	N2W1	133-138	4	3	Obsidian	0.5	14.0	10.0	5.0	2.00	4
02-1677-3285	631	N2W1	133-138	4	3	Obsidian	5.8	31.5	26.5	7.0	3.79	3
02-1677-3292	636b	N2W1	0-138	-	-	CCS	1.3	22.0	16.0	4.5	3.56	4
02-1677-3294	636d	N2W1	0-138	-	-	Obsidian	0.1	-	-	-	-	-
02-1677-3303	642	N2W1	0-138	-	-	CCS	8.8	40.0	29.0	7.0	4.14	3
02-1677-3304	644	N2W1	0-138	-	-	Obsidian	0.2	12.0	8.0	3.0	2.67	5
02-1677-3308	649	N2W1	0-138	-	-	CCS	3.2	34.0	25.0	5.0	5.00	4
02-1677-3310	651	N2W1	0-138	-	-	CCS	12.3	54.0	26.0	9.0	2.89	3
02-1677-3311	652	N2W1	0-138	-	-	CCS	1.4	21.0	20.0	4.0	5.00	4
02-1677-3312	653	N2W1	0-138	-	-	CCS	6.1	36.0	25.0	7.0	3.57	3
02-1677-3313	655	N2W1	0-138	-	-	Obsidian	0.1	-	-	-	-	-
02-1677-3314	657	N2W1	138	4	3	Obsidian	33.2	64.0	31.0	19.0	1.63	2
02-1677-3315	658	N2W1	141	4	3	Obsidian	3.5	38.0	19.5	6.5	3.00	4
02-1677-3322	661b	N2W1	138-143	4	3	Obsidian	0.4	12.0	12.0	3.0	4.00	-
02-1677-3323	661c	N2W1	138-143	4	3	Obsidian	0.1	-	-	-	-	-
02-1677-3326	664	N2W1	138-143	4	3	Obsidian	1.1	12.0	22.0	7.5	2.93	3
02-1677-3327	665	N2W1	138-143	4	3	Obsidian	0.1	12.0	6.5	2.7	2.41	5
02-1677-3328	666	N2W1	138-143	4	3	Obsidian	0.4	19.0	5.0	4.0	1.25	-
02-1677-3335	671	N2W1	143-148	4	3	CCS	0.8	16.0	14.0	4.0	3.50	4
02-1677-3337	673	N2W1	143-148	4	3	Obsidian	0.1	-	-	-	-	-
02-1677-3338	674	N2W1	143-148	4	3	FGV	19.0	66.0	33.0	11.0	3.00	2
02-1677-3341	676a	N2W1	148-153	4	3	CCS	0.2	-	-	-	-	-
02-1677-3342	676b	N2W1	148-153	4	3	CCS	1.4	28.0	11.0	6.0	1.83	3
02-1677-3352	682	N2W1	155	4	4	Obsidian	3.4	16.0	9.5	3.0	3.17	5
02-1677-3368	695	N2W1	168	4/4a	4	CCS	6.4	47.0	38.0	5.0	7.60	5
02-1677-3377	703	N2W1	168-173	4/4a	4	Obsidian	0.1	10.0	5.0	2.0	2.50	5
02-1677-3381	706a	N2W1	173-178	4/4a	4	Obsidian	0.1	-	-	-	-	-
02-1677-3384	707	N2W1	168-173	4/4a	4	CCS	1.9	21.0	21.0	5.0	4.20	4
02-1677-3388	709x	N2W1	178-183	4/4a	4	Obsidian	0.1	11.5	8.0	2.5	3.20	5
02-1677-3399	717a	N2W1	193-198	4/6	4	Obsidian	0.1	-	-	-	-	-
02-1677-3407	721	N2W1	203-208	6	4	Obsidian	0.1	5.0	6.5	3.5	1.86	4
02-1677-3412	723b	N2W1	213-218	6	4	Obsidian	1.3	7.0	30.0	5.5	5.45	4
02-1677-3428	4b	N1W1	22-27	1	1	Obsidian	0.1	-	-	-	-	-
02-1677-3431	739	N2W1	158	4	4	CCS	15.0	49.0	36.0	12.0	3.00	3
02-1677-3485	26c	N1W1	62-67	3a	1	CCS	0.1	15.0	7.0	2.0	3.50	5
02-1677-3491	38b	N1W1	67-72	3a	1	Obsidian	0.2	10.5	8.5	2.0	4.25	5
02-1677-3495	38f	N1W1	67-72	3a	1	Obsidian	0.1	-	-	-	-	-
02-1677-3509	42f	N1W1	67-72	4	2	Obsidian	0.6	-	-	-	-	-
02-1677-3514	478b	N2W1	-	-	-	Obsidian	0.1	-	-	-	-	-
02-1677-3516	181	N2W1	55-60	3	1	Obsidian	0.7	10.0	6.3	1.6	3.91	5
02-1677-3517	48	N1W1	67-72	4	2	CCS	0.6	16.0	14.0	3.5	4.00	5
02-1677-3519	50	N1W1	67-72	4	2	Obsidian	0.1	-	-	-	-	-
02-1677-3523	53a	N1W1	72-77	4	2	Obsidian	5.0	17.0	29.0	11.0	2.64	3
02-1677-3524	53b	N1W1	72-77	4	2	Obsidian	1.1	20.0	18.0	4.0	4.50	5
02-1677-3527	53e	N1W1	72-77	4	2	Obsidian	1.2	13.0	26.0	7.0	3.71	3
02-1677-3529	53g	N1W1	72-77	4	2	Obsidian	0.1	-	-	-	-	-
02-1677-3530	53h	N1W1	72-77	4	2	CCS	33.1	36.0	39.0	16.0	2.44	2
02-1677-3540	61b	N1W1	77-82	4	2	Obsidian	0.1	12.0	7.0	1.5	4.67	5

Appendix B: Artifact Attributes - Unhafted Bifaces

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Weight (g)	Length (mm)	Width (mm)	Thickness (mm)	Width/ Thickness	Reduction Stage
02-1677-3542	51	N1W1	67-72	4	2	CCS	-	-	-	-	-	5
02-1677-3543	61e	N1W1	77-82	4	2	CCS	2.0	19.0	28.0	4.0	7.00	4
02-1677-3545	61g	N1W1	77-82	4	2	Obsidian	1.2	24.0	16.0	4.0	4.00	5
02-1677-3548	61j	N1W1	77-82	4	2	CCS	0.9	21.0	19.0	4.0	4.75	4
02-1677-3550	61l	N1W1	77-82	4	2	Obsidian	1.6	12.0	20.0	5.0	4.00	4
02-1677-3552	61n	N1W1	77-82	4	2	CCS	3.6	26.0	23.0	7.0	3.29	3
02-1677-3553	61o	N1W1	77-82	4	2	Obsidian	1.9	19.0	23.0	4.5	5.11	5
02-1677-3555	64	N1W1	77-82	4	2	Obsidian	3.0	28.5	20.0	4.5	4.44	5
02-1677-3558	67	N1W1	83	4	2	Obsidian	0.2	13.0	10.0	3.0	3.33	5
02-1677-3559	68	N1W1	68	4	2	CCS	6.2	33.0	25.0	7.0	3.57	4
02-1677-3560	69	N1W1	85	4	2	CCS	8.0	39.0	33.0	8.5	3.88	4
02-1677-3564	71b	N1W1	82-87	4	2	Obsidian	0.5	15.0	10.0	3.5	2.86	-
02-1677-3566	71d	N1W1	82-87	4	2	Obsidian	2.5	20.0	23.0	5.5	4.18	4
02-1677-3568	71f	N1W1	82-87	4	2	CCS	2.6	30.0	13.0	9.0	1.44	-
02-1677-3569	71g	N1W1	82-87	4	2	CCS	5.2	37.0	17.0	9.0	1.89	3
02-1677-3571	71e	N1W1	82-87	4	2	CCS	0.9	11.0	24.0	5.5	4.36	3
02-1677-3575	72	N1W1	77-82	4	2	Obsidian	0.3	15.0	9.5	2.3	4.13	5
02-1677-3584	91	N1W1	71	4	2	FGV	56.8	79.0	35.0	15.0	2.33	2
02-1677-3588	92c	N1W1	67-87	4	2	Obsidian	0.2	-	-	-	-	-
02-1677-3589	92d	N1W1	67-87	4	2	CCS	1.3	15.0	18.0	5.0	3.60	4
02-1677-3593	93	N1W1	67-87	4	2	Obsidian	1.5	16.0	22.0	4.0	5.50	5
02-1677-3603	96e	N1W1	87-92	4	2	CCS	3.9	25.0	16.0	14.0	1.14	3
02-1677-3604	96f	N1W1	87-92	4	2	CCS	6.2	40.0	14.5	11.0	1.32	2
02-1677-3613	96n	N1W1	87-92	4	2	Obsidian	7.4	43.0	32.0	12.0	2.67	-
02-1677-3614	96o	N1W1	87-92	4	2	Obsidian	4.8	38.0	21.0	6.0	3.50	2
02-1677-3615	96p	N1W1	87-92	4	2	Obsidian	3.5	32.0	11.0	11.0	1.00	3
02-1677-3626	97	N1W1	89	4	2	CCS	3.2	29.0	18.0	5.0	3.60	4
02-1677-3628	99	N1W1	88	4	2	CCS	11.9	27.0	34.0	10.0	3.40	3
02-1677-3629	100	N1W1	90	4	2	CCS	3.9	32.0	26.0	5.0	5.20	5
02-1677-3630	101	N1W1	92	4	2	Obsidian	5.5	31.0	27.0	8.0	3.38	3
02-1677-3631	103	N1W1	93	4	2	CCS	11.7	32.0	33.0	12.0	2.75	2
02-1677-3632	104	N1W1	93	4	2	CCS	30.2	70.0	30.0	12.0	2.50	3
02-1677-3633	106	N1W1	94	4	2	CCS	2.1	27.0	20.5	4.0	5.13	4
02-1677-3636	109	N1W1	97	4	2	Obsidian	1.6	41.0	30.0	7.0	4.29	4
02-1677-3638	113b	N1W1	97-102	4	2	Obsidian	2.6	20.0	24.0	5.0	4.80	4
02-1677-3639	113c	N1W1	97-102	4	2	Obsidian	0.3	-	-	-	-	-
02-1677-3641	113e	N1W1	97-102	4	2	CCS	8.9	38.0	36.0	11.0	3.27	3
02-1677-3642	113f	N1W1	97-102	4	2	CCS	2.3	-	-	-	-	-
02-1677-3645	114	N1W1	97-102	4	2	Obsidian	0.1	7.0	6.0	2.0	3.00	4
02-1677-3658	127h	N1W1	102-107	4	3	FGV	7.1	33.0	21.0	8.0	2.63	3
02-1677-3663	133	N1W1	102-107	4	3	CCS	3.3	37.0	15.0	8.0	1.88	4
02-1677-3665	135	N1W1	102-107	4	3	Obsidian	0.6	-	-	-	-	-
02-1677-3666	136	N1W1	102-107	4	3	Obsidian	0.2	-	-	-	-	-
02-1677-3667	137	N1W1	102-107	4	3	Obsidian	0.1	-	-	-	-	-
02-1677-3669	140	N1W1	107	4	3	Obsidian	1.2	13.0	15.5	5.0	3.10	4
02-1677-3670	141	N1W1	107	4	3	CCS	3.9	18.5	34.5	4.5	7.67	4
02-1677-3671	142	N1W1	108	4	3	Obsidian	5.1	31.0	31.0	6.0	5.17	5
02-1677-3676	102d	N1W1	92-97	4	2	Obsidian	1.5	18.0	15.5	6.0	2.58	3
02-1677-3678	102e	N1W1	92-97	4	2	Obsidian	0.4	-	-	-	-	-
02-1677-3679	102f	N1W1	92-97	4	2	Obsidian	0.2	-	-	-	-	-
02-1677-3682	102i	N1W1	92-97	4	2	CCS	0.7	-	-	-	-	-
02-1677-3683	102j	N1W1	92-97	4	2	CCS	1.1	11.0	23.5	7.0	3.36	3
02-1677-3690	83	N1W1	87-143	4	-	Obsidian	2.5	39.0	18.0	4.0	4.50	5
02-1677-3691	85	N1W1	82-143	4	-	Obsidian	1.2	24.0	18.0	4.0	4.50	5
02-1677-3693	125	N1W1	102	4	2	CCS	18.4	39.0	31.0	16.0	1.94	2
02-1677-3694	126	N1W1	102	4	2	FGV	0.9	37.0	21.0	8.0	2.63	3
02-1677-3695	89	N1W1	87-143	4	-	CCS	1.2	19.0	14.5	4.0	3.63	4

Appendix B: Artifact Attributes - Unhafted Bifaces

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Weight (g)	Length (mm)	Width (mm)	Thickness (mm)	Width/ Thickness	Reduction Stage
02-1677-3699	139c	N1W1	107-112	4	3	CCS	1.3	21.0	19.0	5.0	3.80	4
02-1677-3710	149a	N1W1	112-117	4	3	CCS	0.2	-	-	-	-	-
02-1677-3716	153	N1W1	117	4	3	Obsidian	3.0	30.0	24.0	5.5	4.36	4
02-1677-3718	155a	N1W1	97-117	-	-	CCS	2.0	14.0	22.0	6.5	3.38	2
02-1677-3722	158	N1W1	112-117	4	3	Obsidian	0.1	8.0	6.0	1.5	4.00	5
02-1677-3724	161a	N1W1	97-117	4	-	Obsidian	0.1	-	-	-	-	-
02-1677-3725	161b	N1W1	97-117	4	-	Obsidian	0.1	-	-	-	-	-
02-1677-3726	161c	N1W1	97-117	4	-	CCS	1.5	-	-	-	-	-
02-1677-3728	162	N1W1	110	4	3	Obsidian	5.2	19.0	40.0	6.0	6.67	4
02-1677-3729	163	N1W1	110	4	3	CCS	20.5	65.0	33.0	9.0	3.67	5
02-1677-3734	166	N1W1	97-117	4	-	Obsidian	0.2	16.0	9.0	2.5	3.60	5
02-1677-3735	167	N1W1	97-117	4	-	Obsidian	2.5	29.5	17.0	5.5	3.09	4
02-1677-3739	169b	N1W1	117-122	4	3	Obsidian	0.1	-	-	-	-	-
02-1677-3740	169c	N1W1	117-122	4	3	CCS	0.2	-	-	-	-	-
02-1677-3750	173	N1W1	123	4	3	Obsidian	4.9	28.0	31.0	5.0	6.20	5
02-1677-3753	176	N1W1	122	4	3	Obsidian	0.9	18.0	17.0	3.5	4.86	5
02-1677-3754	178	N1W1	117-122	4	3	Obsidian	0.2	12.5	7.5	2.3	3.26	5
02-1677-3755	179	N1W1	117-122	4	3	CCS	1.3	22.5	21.0	3.0	7.00	5
02-1677-3756	180	N1W1	117-122	4	3	Obsidian	0.1	-	-	-	-	-
02-1677-3760	181c	N1W1	122-127	4	3	CCS	20.1	43.0	40.0	14.0	2.86	2
02-1677-3761	181d	N1W1	122-127	4	3	Obsidian	0.2	9.0	11.5	2.0	5.75	5
02-1677-3762	181e	N1W1	127-132	4	3	CCS	26.6	45.0	44.0	15.0	2.93	2
02-1677-3774	187b	N1W1	127-132	4	3	Obsidian	0.1	-	-	-	-	-
02-1677-3775	187c	N1W1	127-132	4	3	Obsidian	0.2	14.0	8.0	3.0	2.67	5
02-1677-3776	187d	N1W1	127-132	4	3	Obsidian	1.1	-	-	-	-	-
02-1677-3778	188	N1W1	127-132	4	3	Obsidian	0.5	-	-	-	-	-
02-1677-3779	189	N1W1	127-132	4	3	CCS	3.0	30.0	36.0	5.0	7.20	4
02-1677-3780	190	N1W1	127-132	4	3	Obsidian	3.2	42.0	15.0	5.0	3.00	5
02-1677-3784	192b	N1W1	132-137	4	3	Obsidian	0.1	-	-	-	-	-
02-1677-3788	194	N1W1	132-137	4	3	CCS	4.3	24.0	34.0	5.0	6.80	4
02-1677-3794	197	N1W1	137-142	4	3	FGV	1.1	63.0	13.0	4.5	2.89	5
02-1677-3797	200	N1W1	137-142	4	3	CCS	0.4	-	-	-	-	-
02-1677-3799	201a	N1W1	142-147	4	3	Obsidian	13.7	35.0	31.0	14.0	2.21	3
02-1677-3804	205	N1W1	145	4	3	Obsidian	4.5	45.0	24.0	5.0	4.80	5
02-1677-3805	206	N1W1	142-147	4	3	Obsidian	0.1	-	-	-	-	-
02-1677-3812	211	N1W1	147-152	4/6	3	Obsidian	10.4	40.0	28.0	12.0	2.33	3
02-1677-3813	212	N1W1	147-152	4/6	3	Obsidian	0.1	-	-	-	-	-
02-1677-3824	219	N1W1	161	4/6	4	Obsidian	1.7	30.0	14.0	4.0	3.50	5
02-1677-3825	221	N1W1	163	4/6	4	CCS	3.0	34.0	24.0	4.5	5.33	5
02-1677-3827	223	N1W1	162-167	4/6	4	CCS	18.6	64.0	40.0	9.0	4.44	4
02-1677-3845	236	N1W1	182-198	4/6	4	CCS	6.3	41.5	26.5	6.5	4.08	4
02-1677-3857	243b	N1W1	197-202	6	4	Obsidian	0.1	8.5	6.0	2.0	3.00	5
02-1677-3882	258	N1W1	122	4	3	CCS	22.0	66.0	33.0	17.0	1.94	3
02-1677-3883	259	N1W1	132	4	3	Obsidian	5.2	34.5	27.0	6.5	4.15	3
02-1677-3884	260	N1W1	68	4	2	FGV	0.8	18.0	15.0	3.0	5.00	5
02-1677-3953	1244	S0W1	122-127	4	3	CCS	1.3	25.0	8.0	6.0	1.33	-
02-1677-3954	1244	S0W1	122-127	4	3	Obsidian	0.6	25.0	8.0	2.0	4.00	-
02-1677-3955	1244	S0W1	122-127	4	3	Obsidian	0.3	12.0	11.0	2.0	5.50	-
02-1677-3956	1228	S0W1	107-112	4	3	CCS	1.5	17.0	15.0	4.0	3.75	4
02-1677-3957	1214	S0W1	103	-	3	Obsidian	0.9	19.0	9.0	5.0	1.80	-
02-1677-3958	1255	S0W1	132-137	4	3	Obsidian	0.2	9.0	7.0	4.0	1.75	-
02-1677-3961	1233	S0W1	112-117	4	3	Obsidian	0.1	4.0	6.0	2.0	3.00	-
02-1677-3962	1199	S0W1	98-103	4a	2	Obsidian	0.1	10.0	8.0	3.0	2.67	-
02-1677-3963	827	S0W1	83-88	4	2	Obsidian	0.9	13.0	14.0	5.0	2.80	4
02-1677-3964	833f	S0W2	92-97	4	2	Obsidian	0.7	4.5	8.0	2.0	4.00	4
02-1677-3965	833g	S0W2	92-97	4	2	Obsidian	0.1	-	-	-	-	-
02-1677-3966	485c	N2W1	77-82	4	2	FGV	3.1	27.0	14.0	9.0	1.56	3

Appendix B: Artifact Attributes - Unhafted Bifaces

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Weight (g)	Length (mm)	Width (mm)	Thickness (mm)	Width/ Thickness	Reduction Stage
02-1677-3967	827d	S0W1	83-88	4	2	FGV	6.4	45.0	21.0	12.0	1.75	-
02-1677-3968	614f	N2W1	128-133	4	3	CCS	0.3	9.0	11.0	3.0	3.67	5
02-1677-3969	173	N2W1	59	3	1	CCS	2.3	-	-	-	-	2
02-1677-3970	1015c	S0W2	137-142	4	3	Obsidian	0.3	-	-	-	-	-
02-1677-3971	251b	S0W2	72-77	4	2	Obsidian	1.1	24.0	13.5	3.5	3.86	4
02-1677-3972	181a	N2W1	55-60	3	1	CCS	0.2	10.0	8.5	2.5	3.40	5
02-1677-3973	827e	S0W1	83-88	4	2	Obsidian	0.1	-	-	-	-	-
02-1677-3974	827f	S0W1	83-88	4	2	Obsidian	0.1	6.5	10.0	3.0	3.33	4
02-1677-3975	1132b	S0W1	93-98	4	2	Obsidian	0.1	-	-	-	-	-
02-1677-3977	248b	N2W1	58-63	3a	1	CCS	0.2	-	-	-	-	-
02-1677-3978	341b	N2W1	64-69	3a/4	1	CCS	0.1	-	-	-	-	-
02-1677-3979	606j	N2W1	123-128	4	3	Obsidian	0.5	13.5	10.0	4.0	2.50	4
02-1677-3980	614j	N2W1	128-133	4	3	CCS	0.1	-	-	-	-	-
02-1677-3981	688d	N2W1	143-148	4	3	Obsidian	0.1	-	-	-	-	-
02-1677-3982	668e	N2W1	143-148	4	3	CCS	0.4	-	-	-	-	-
02-1677-3983	633b	N2W1	0-138	-	-	Obsidian	0.1	-	-	-	-	-
02-1677-3984	636f	N2W1	0-138	-	-	CCS	1.0	23.5	12.5	5.0	2.50	4
02-1677-3985	36b	N1W1	67-72	3c	1	CCS	1.3	-	-	-	-	3
02-1677-3986	53k	N1W1	72-77	4	2	CCS	4.2	18.0	28.5	10.0	2.85	3
02-1677-3988	61c	N1W1	77-82	4	2	Obsidian	0.1	-	-	-	-	-
02-1677-3990	96c	N1W1	87-92	4	2	Obsidian	0.2	-	-	-	-	-
02-1677-3991	96d	N1W1	87-92	4	2	CCS	0.4	27.5	6.0	3.0	2.00	4
02-1677-3992	102c	N1W1	92-97	4	2	Obsidian	3.1	27.0	22.5	7.0	3.21	2
02-1677-3993	113i	N1W1	97-102	4	2	Obsidian	0.1	-	-	-	-	-
02-1677-4003	718a	S0W2	87-92	4	2	Obsidian	0.5	-	-	-	-	-
02-1677-4004	833h	S0W2	92-97	4	2	Obsidian	0.9	-	-	-	-	-
02-1677-4005	833i	S0W2	92-97	4	2	Obsidian	0.2	-	-	-	-	-
02-1677-4006	833j	S0W2	92-97	4	2	CCS	1.3	19.0	12.0	5.5	2.18	4
02-1677-4007	833k	S0W2	92-97	4	2	Obsidian	0.1	-	-	-	-	-
02-1677-4008	833l	S0W2	92-97	4	2	CCS	0.2	13.0	11.0	2.5	4.40	5
02-1677-4009	960c	S0W2	97-102	4	2	Obsidian	0.1	-	-	-	-	-
02-1677-4012	977e	S0W2	112-117	4	3	CCS	0.8	21.0	10.0	4.5	2.22	4
02-1677-4013	977f	S0W2	112-117	4	3	Obsidian	0.4	12.0	10.5	3.0	3.50	5
02-1677-4014	1003b	S0W2	127-132	4	3	Obsidian	0.1	-	-	-	-	-
02-1677-4015	1008f	S0W2	132-137	4	3	Obsidian	0.5	-	-	-	-	-
02-1677-4016	1008g	S0W2	132-137	4	3	Obsidian	0.1	-	-	-	-	-
02-1677-4017	1040c	S0W2	162-167	5	4	Obsidian	0.2	9.5	9.0	2.5	3.60	5
02-1677-4018	1048c	S0W2	172-177	5	4	CCS	1.3	-	-	-	-	-
02-1677-4019	j1	S0W2	112-117	4	3	Obsidian	0.1	-	-	-	-	-
02-1677-4020	j2	S0W2	87-92	4	2	Obsidian	0.1	-	-	-	-	-
02-1677-4021	j3	S0W2	87-92	4	2	Obsidian	0.1	-	-	-	-	-
02-1677-4022	j4	S0W2	87-92	4	2	Obsidian	0.1	-	-	-	-	-
02-1677-4045	39c	N1W1	62-67	4	2	Obsidian	208.0	19.0	29.0	5.0	5.80	4
02-1677-4046	936	S0W2	101	4	2	Obsidian	5.1	30.0	20.0	8.0	2.50	3
02-1677-4047	506	S0W2	77-82	4	2	Obsidian	0.2	10.5	10.0	3.0	3.33	5
02-1677-4048	16	N1W1	58	3	1	Obsidian	0.6	21.0	14.0	3.0	4.67	5
02-1677-4049	14	N1W1	62	3	1	CCS	25.4	47.0	36.0	17.0	2.12	3
02-1677-4050	12	N1W1	57-62	2/3	1	CCS	5.0	35.0	21.0	6.0	3.50	3
02-1677-4051	2e	N1W1	17-22	1	1	Obsidian	0.1	7.0	6.0	2.5	2.40	4
02-1677-4052	23d	N1W1	57-62	3a	1	Obsidian	0.6	12.0	14.0	4.0	3.50	4
02-1677-4053	24	N1W1	63	3a	1	CCS	73.2	84.0	47.0	21.0	2.24	2
02-1677-4054	88	N1W1	87-143	4	-	CCS	0.9	24.0	7.0	5.0	1.40	-
02-1677-4055	121	N1W1	100	4	2	Obsidian	4.6	33.0	25.0	7.0	3.57	4
02-1677-4056	82	N1W1	87-143	4	-	Obsidian	0.6	21.0	12.0	3.0	4.00	5
02-1677-4057	110	N1W1	92-97	4	2	FGV	1.4	29.0	14.0	4.0	3.50	4
02-1677-4058	52	N1W1	67-72	4	2	CCS	0.4	16.0	14.0	2.0	7.00	5
02-1677-4059	49	N1W1	67-72	4	2	Obsidian	1.3	20.0	15.0	5.0	3.00	4

Appendix B: Artifact Attributes - Unhafted Bifaces

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Weight (g)	Length (mm)	Width (mm)	Thickness (mm)	Width/ Thickness	Reduction Stage
02-1677-4060	4b	N1W1	64-72	4	2	FGV	0.2	13.5	7.0	3.3	2.15	5
02-1677-4061	42d	N1W1	67-72	4	2	CCS	5.7	40.0	23.5	6.5	3.62	4
02-1677-4062	38d	N1W1	67-72	3a	1	Obsidian	2.4	26.0	19.0	6.0	3.17	3
02-1677-4063	38c	N1W1	67-72	3a	1	FGV	8.3	38.0	28.0	8.0	3.50	2
02-1677-4064	26d	N1W1	62-67	3a	1	Obsidian	0.6	17.0	14.0	3.0	4.67	5
02-1677-4065	26b	N1W1	62-67	3a	1	Obsidian	0.3	-	-	-	-	-
02-1677-4066	34b	N1W1	67-72	3b	1	Obsidian	0.7	13.0	15.0	3.0	5.00	5
02-1677-4067	28	N1W1	66	3a	1	CCS	2.7	17.0	30.0	6.0	5.00	4
02-1677-4068	27	N1W1	67	3a	1	Obsidian	1.0	17.0	17.0	3.5	4.86	5
02-1677-4072	34b	N1W1	67-72	3b	1	CCS	0.1	8.0	9.0	2.0	4.50	5
02-1677-4169	566	S0W2	73-78	4	2	Obsidian	0.3	17.0	9.0	2.5	3.60	5

Appendix B: Artifact Attributes - Flake Tools

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Weight (g)	Maximum Linear Dimension (cm)	Cortex	Platform Type	EU1	EU2	EU3	EU4	EU5	EU6	EU7	EU8	EU Index	Missing EUs
02-1677-0063	133	S0W2	66	3	2	FGV	17.3	4.4	0	F	P	P	P	A	A	M	M	M	0.600	3
02-1677-0111	222	S0W2	70	4	2	CCS	1.4	2.3	0	CO	A	P	P	M	M	A	A	A	0.330	2
02-1677-0132	235	S0W2	67-72	4	2	Obsidian	2.1	2.9	0	CO	P	P	P	M	P	P	A	A	0.710	1
02-1677-0178	395	S0W2	80	4	2	CCS	3.1	3.9	0	CO	A	A	A	A	A	P	P	A	0.250	0
02-1677-0197	414	S0W2	81	4	2	CCS	44.8	8.3	1	F	A	A	P	P	A	A	A	A	0.250	0
02-1677-0251	510	S0W2	84	4	2	FGV	58.4	12.6	0	M	M	M	M	M	P	P	A	A	0.500	4
02-1677-0287	546	S0W2	87	4	2	FGV	22.1	7.9	0	CO	A	A	A	P	P	P	A	A	0.375	0
02-1677-0294	553	S0W2	86	4	2	CCS	1.5	3.5	0	M	P	P	P	M	M	M	M	M	1.000	5
02-1677-0465	730	S0W2	93	4	2	CCS	12.3	4.9	0	M	P	A	P	P	P	P	P	P	0.875	0
02-1677-0485	749	S0W2	94	4	2	FGV	150.1	14.3	0	M	M	M	M	P	P	M	M	M	1.000	6
02-1677-0738	281	S0W2	74	4	2	Obsidian	2.6	4.1	0	CO	A	P	P	A	A	P	P	P	0.625	0
02-1677-0750	294	S0W2	73	4	2	Obsidian	5.4	4.3	1	F	P	P	A	A	A	A	A	A	0.250	0
02-1677-0922	172	S0W2	71	3	2	CCS	21.1	5.7	0	M	P	P	P	P	M	M	M	M	1.000	4
02-1677-0983	966	S0W2	108	4	3	CCS	5.8	4.9	0	M	A	A	A	A	M	P	P	P	0.430	1
02-1677-1004	984	S0W2	115	4	3	Obsidian	17.1	4.4	2	CO	P	P	P	P	M	A	A	A	0.570	1
02-1677-1132	1071	S0W2	232	6	4	CCS	77.7	9.2	1	F	A	A	P	P	A	A	A	P	0.375	0
02-1677-1395	246	S0W1	60	3	1	CCS	1.5	2.5	0	CO	P	P	P	M	M	A	A	A	0.500	2
02-1677-1490	335	S0W1	64	3	1	CCS	2.7	2.8	0	M	P	P	P	P	M	M	M	M	1.000	4
02-1677-1514	361	S0W1	65	3	1	CCS	1.0	2.4	0	CO	A	A	M	M	A	A	P	P	0.330	2
02-1677-1516	363	S0W1	64	3	1	Obsidian	1.9	3.5	0	F	P	P	P	A	P	P	P	P	0.875	0
02-1677-1542	386	S0W1	68	3	1	CCS	5.6	3.9	0	M	M	A	A	P	P	A	A	A	0.290	1
02-1677-1550	394	S0W1	68	3	2	CCS	36.9	6.1	0	F	A	A	A	P	P	A	A	A	0.250	0
02-1677-1555	399	S0W2	71	3	2	CCS	12.0	4.2	0	F	M	M	M	M	P	M	M	M	1.000	7
02-1677-1556	400	S0W1	69	3	1	CCS	5.5	4.3	0	CO	P	P	P	M	M	A	A	A	0.500	2
02-1677-1659	499	S0W1	68	4	2	FGV	6.3	3.8	2	M	P	P	A	A	M	M	M	M	0.500	4
02-1677-1767	601	S0W1	76	4	2	CCS	16.1	4.9	0	F	P	P	P	P	A	A	A	A	0.500	0
02-1677-1826	660	S0W1	78	4	2	CCS	1.8	2.7	0	M	P	P	P	A	A	A	A	P	0.500	0
02-1677-1874	704	S0W1	80	4	2	Obsidian	0.5	1.9	0	M	M	A	A	P	P	A	A	A	0.286	1
02-1677-1875	705	S0W1	80	4	2	Obsidian	1.8	3.5	1	CO	A	M	M	M	M	P	P	A	0.500	3
02-1677-2266	1052	S0W1	92	4	2	CCS	3.5	3.6	0	CO	A	A	A	A	A	P	A	A	0.125	0
02-1677-2356	1142	S0W1	95	4	2	CCS	1.1	2.1	0	M	P	P	P	M	M	P	P	P	1.000	2
02-1677-2420	1207	S0W1	98-103	4a	2	CCS	0.6	2.0	0	M	P	P	P	M	M	P	P	P	1.000	2
02-1677-2439	1218	S0W1	103	4	3	CCS	11.0	4.5	0	F	M	M	M	P	P	M	M	A	0.670	5

Note: for cortex P = present, A = absent; for platform type S = simple, C = complex, M = missing; for EU (edge unit) P = use, A = no use, M = missing edge.

Appendix B: Artifact Attributes - Flake Tools

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Weight (g)	Maximum Linear Dimension (cm)	Cortex	Platform Type	EU1	EU2	EU3	EU4	EU5	EU6	EU7	EU8	EU Index	Missing EUs
02-1677-2441	1220	S0W1	105	4	3	Obsidian	8.5	4.5	0	F	A	P	P	P	M	P	P	A	0.710	1
02-1677-2451	1229	S0W1	111	4	3	CCS	3.4	2.8	0	CO	P	P	P	M	M	M	P	P	1.000	3
02-1677-2460	1235	S0W1	113	4	3	Obsidian	4.7	3.8	0	M	P	P	P	P	P	A	A	A	0.625	0
02-1677-2510	1265	S0W1	152	4	3	FGV	7.4	4.2	0	M	P	P	M	M	M	M	M	P	1.000	5
02-1677-2529	1278	S0W1	174	5	4	FGV	319.0	14.0	2	F	M	M	M	M	P	P	M	M	1.000	6
02-1677-2535	1281	S0W1	187	6	4	Obsidian	9.8	3.5	2	F	P	P	P	A	A	A	A	A	0.375	0
02-1677-2568	151	S0W1	59	3	1	Obsidian	3.7	3.2	1	M	A	P	P	P	A	A	A	A	0.375	0
02-1677-2585	9	N2W1	12	1	1	FGV	21.0	6.4	0	M	P	P	P	P	A	A	M	M	0.670	2
02-1677-2646	60	N2W1	55	3	1	CCS	8.9	3.7	0	F	A	A	P	P	P	M	M	A	0.500	2
02-1677-2652	65	N1W1	102-107	3	3	FGV	3.9	3.2	0	M	P	P	P	P	P	P	P	P	1.000	0
02-1677-2668	81	N2W1	58	3	1	CCS	1.1	2.1	0	M	P	P	A	M	M	A	P	P	0.670	2
02-1677-2811	221	N2W1	58	3	1	CCS	0.7	2.3	0	M	P	P	P	M	M	A	A	A	0.500	2
02-1677-2839	246	N2W1	60	3a	1	Obsidian	1.8	2.2	0	CO	A	A	P	P	P	P	A	P	0.625	0
02-1677-2859	265	N2W1	63	3a	1	CCS	2.4	2.2	0	F	A	P	P	P	P	P	P	A	0.750	0
02-1677-2865	271	N2W1	63	3a	1	CCS	4.1	3.3	0	M	A	P	P	P	P	A	A	P	0.625	0
02-1677-2918	323	N2W1	79	3/3a	2	Obsidian	0.6	2.2	0	M	M	P	P	P	P	A	A	A	0.570	1
02-1677-2921	326	N2W1	82	3a/4	2	Obsidian	3.9	3.9	1	M	M	A	A	P	A	A	A	M	0.167	2
02-1677-2945	347	N2W1	68	3a	2	FGV	9.3	4.7	0	M	A	A	A	M	M	P	A	A	0.167	2
02-1677-2953	355	N2W1	65	3a	1	Obsidian	20.4	6.6	1	F	A	P	P	P	P	A	A	A	0.500	0
02-1677-2961	363	N2W1	66	3a	1	Obsidian	0.8	2.4	0	M	P	M	M	M	M	p	P	P	1.000	4
02-1677-3073	475	N2W1	80	4	2	CCS	6.7	3.5	0	F	A	A	A	M	M	P	P	A	0.330	2
02-1677-3093	497	N2W1	79	4	2	FGV	22.3	6.7	0	M	M	M	M	P	P	P	P	P	1.000	3
02-1677-3154	548e	N2W1	88-93	4	2	Obsidian	7.2	3.9	2	M	P	P	M	M	M	A	P	P	0.800	3
02-1677-3155	548f	N2W1	88-93	4	2	CCS	3.2	4.4	0	M	A	A	M	M	M	P	P	P	0.600	3
02-1677-3156	548g	N2W1	88-93	4	2	FGV	2.4	3.1	0	CO	P	P	A	M	M	P	P	A	0.670	2
02-1677-3199	573f	N2W1	103-108	4	3	Obsidian	5.6	4.3	0	M	P	P	P	P	P	P	P	P	1.000	0
02-1677-3201	573h	N2W1	103-108	4	3	Obsidian	2.6	3.2	0	M	P	P	A	A	A	A	A	A	0.250	0
02-1677-3227	591b	N2W1	113-118	4	3	Obsidian	4.5	5.6	0	CO	A	A	P	P	P	P	A	A	0.500	0
02-1677-3236	599b	N2W1	118-123	4	3	CCS	7.7	4.3	0	CO	P	P	M	M	M	P	A	A	0.600	3
02-1677-3237	599c	N2W1	118-123	4	3	CCS	2.6	4.4	0	CO	A	A	A	P	A	A	P	P	0.375	0
02-1677-3242	602	N2W1	123	4	3	CCS	11.0	4.6	0	M	P	P	P	M	M	A	A	A	0.500	2
02-1677-3243	603	N2W1	123	4	3	Obsidian	6.2	4.4	1	M	A	P	P	M	M	P	P	P	0.830	2
02-1677-3245	605	N2W1	121	4	3	Obsidian	5.2	4.4	1	CO	P	P	A	A	M	P	P	P	0.710	1

Note: for cortex P = present, A = absent; for platform type S = simple, C = complex, M = missing; for EU (edge unit) P = use, A = no use, M = missing edge.

Appendix B: Artifact Attributes - Flake Tools

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Weight (g)	Maximum Linear Dimension (cm)	Cortex	Platform Type	EU1	EU2	EU3	EU4	EU5	EU6	EU7	EU8	EU Index	Missing EUs
02-1677-3247	606a	N2W1	123-128	4	3	Obsidian	4.3	3.4	0	CO	A	P	P	M	M	P	P	A	0.670	2
02-1677-3257	608	N2W1	123-128	4	3	CCS	2.5	3.2	0	M	M	P	P	P	P	P	P	M	1.000	2
02-1677-3260	612	N2W1	131	4	3	Obsidian	6.6	4.5	0	CO	A	A	A	M	A	P	P	P	0.430	1
02-1677-3265	614c	N2W1	128-133	4	3	Obsidian	0.8	2.3	0	M	M	M	M	M	P	P	P	P	1.000	4
02-1677-3270	618	N2W1	128-133	4	3	CCS	8.6	4.6	1	F	A	P	P	P	P	P	P	P	0.875	0
02-1677-3274	621a	N2W1	133-138	4	3	Obsidian	2.4	3.5	0	M	M	A	A	A	A	A	A	P	0.143	1
02-1677-3293	636c	N2W1	0-138	-	-	CCS	0.1	0.9	0	M	M	M	M	M	M	M	P	P	1.000	6
02-1677-3321	661a	N2W1	138-143	4	3	FGV	10.1	4.0	0	M	M	P	P	P	P	P	P	M	1.000	2
02-1677-3358	686b	N2W1	158-163	4/4a	4	CCS	19.9	5.0	0	M	P	A	P	A	A	M	P	P	0.570	1
02-1677-3371	697a	N2W1	168-173	4/4a	4	CCS	10.4	4.9	0	F	A	P	P	P	M	M	M	A	0.600	3
02-1677-3375	701	N2W1	172	4/4a	4	Obsidian	11.1	4.6	1	F	A	P	P	P	P	M	M	A	0.670	2
02-1677-3378	704	N2W1	168-173	4/4a	4	CCS	8.6	4.2	2	F	P	P	M	M	M	M	P	P	1.000	4
02-1677-3385	708	N2W1	175	4/4a	4	CCS	8.4	4.8	1	M	M	M	M	P	P	M	M	M	1.000	6
02-1677-3389	710	N2W1	183	4/4a	4	Obsidian	1.8	2.7	0	M	M	A	A	M	M	P	P	M	0.500	4
02-1677-3390	711	N2W1	178-183	4/4a	4	Obsidian	2.6	3.3	2	M	M	M	M	M	P	P	P	P	1.000	4
02-1677-3392	713	N2W1	178-183	4/4a	4	CCS	5.4	2.9	0	M	M	M	M	M	P	P	P	A	0.750	4
02-1677-3487	486	N1W1	62-67	4	1	Obsidian	0.6	2.3	0	M	P	P	M	M	M	A	A	A	0.400	3
02-1677-3513	98	S0W2	66	3	1	CCS	6.0	3.9	0	M	P	P	P	P	P	P	P	P	1.000	0
02-1677-3518	656	N2W1	0-138	-	-	Obsidian	0.6	2.0	0	M	P	P	P	M	M	P	P	P	1.000	2
02-1677-3520	165	N2W1	57	3	1	CCS	4.3	3.0	3	M	M	M	M	P	P	M	M	M	1.000	6
02-1677-3521	106	N2W1	60	3	1	Obsidian	2.1	3.9	1	M	M	M	M	M	P	P	P	P	1.000	4
02-1677-3546	61h	N2W1	77-82	4	2	Obsidian	3.9	3.4	2	CO	M	M	M	A	P	P	P	P	0.800	3
02-1677-3547	61i	N1W1	77-82	4	2	CCS	6.3	3.0	0	M	M	P	P	P	A	P	P	M	0.830	2
02-1677-3549	61k	N1W1	77-82	4	2	Obsidian	2.6	3.0	0	M	M	P	P	M	P	P	P	M	1.000	3
02-1677-3551	61m	N1W1	77-82	4	2	CCS	2.1	2.7	0	M	M	P	A	P	P	M	A	M	0.600	3
02-1677-3556	65	N1W1	77-82	4	2	Obsidian	3.6	4.4	0	F	P	A	A	P	P	P	A	P	0.625	0
02-1677-3565	71c	N1W1	82-87	4	2	Obsidian	1.2	2.0	0	CO	P	P	P	P	P	P	P	P	1.000	0
02-1677-3567	71e	N1W1	82-87	4	2	CCS	3.8	3.0	0	M	M	P	P	P	P	P	P	M	1.000	2
02-1677-3572	71j	N1W1	82-87	4	2	Obsidian	5.1	3.8	0	CO	P	P	P	P	P	A	A	P	0.750	0
02-1677-3573	71k	N1W1	82-87	4	2	CCS	3.4	3.3	0	M	P	P	P	M	M	P	P	M	1.000	3
02-1677-3576	73	-	77-82	4	2	FGV	1.4	3.0	0	M	M	M	M	M	P	P	P	P	1.000	4
02-1677-3582	90b	N1W1	-	-	-	CCS	9.5	3.7	2	F	M	M	M	A	P	P	A	A	0.400	3
02-1677-3587	92b	N1W1	67-87	4	2	CCS	3.2	2.6	0	M	M	P	P	P	M	M	M	M	1.000	5

Note: for cortex P = present, A = absent; for platform type S = simple, C = complex, M = missing; for EU (edge unit) P = use, A = no use, M = missing edge.

Appendix B: Artifact Attributes - Flake Tools

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Weight (g)	Maximum Linear Dimension (cm)	Cortex	Platform Type	EU1	EU2	EU3	EU4	EU5	EU6	EU7	EU8	EU Index	Missing EUs
02-1677-3597	94c	N1W1	67-87	4	2	CCS	11.7	4.5	0	M	M	M	P	P	P	A	A	M	0.600	3
02-1677-3605	96g	N1W1	87-92	4	2	Obsidian	1.6	2.7	0	CO	A	P	P	M	A	P	P	P	0.710	1
02-1677-3607	96h	N1W1	87-92	4	2	Obsidian	1.9	2.6	0	CO	P	P	P	P	P	A	P	P	0.875	0
02-1677-3608	96i	N1W1	87-92	4	2	Obsidian	3.3	3.3	0	CO	P	P	P	P	P	P	P	P	1.000	0
02-1677-3609	96j	N1W1	87-92	4	2	Obsidian	4.5	3.7	0	F	A	P	A	P	P	P	P	A	0.625	0
02-1677-3611	96l	N1W1	87-92	4	2	Obsidian	3.4	3.4	2	F	A	M	P	P	P	A	A	M	0.500	2
02-1677-3612	96m	N1W1	87-92	4	2	Obsidian	5.5	3.3	0	M	P	P	M	M	M	P	P	P	1.000	3
02-1677-3616	96q	N1W1	87-92	4	2	Obsidian	3.4	3.5	1	CO	P	A	A	A	A	P	P	P	0.500	0
02-1677-3617	96r	N1W1	87-92	4	2	Obsidian	3.8	3.4	1	CT	A	A	A	A	P	P	P	P	0.500	0
02-1677-3618	96s	N1W1	87-92	4	2	Obsidian	4.4	2.9	1	F	A	A	P	P	P	A	A	A	0.375	0
02-1677-3619	96t	N1W1	87-92	4	2	CCS	9.5	5.4	0	F	P	P	P	P	M	P	P	P	1.000	1
02-1677-3620	96u	N1W1	87-92	4	2	CCS	4.7	3.6	0	M	M	P	P	P	A	P	P	M	0.830	2
02-1677-3622	96w	N1W1	87-92	4	2	Obsidian	3.0	2.8	0	M	M	P	P	P	P	M	M	M	1.000	4
02-1677-3623	96x	N1W1	87-92	4	2	Obsidian	1.2	2.3	0	M	P	P	P	M	P	P	P	P	1.000	1
02-1677-3624	96y	N1W1	-	4	-	Obsidian	1.4	2.4	0	CT	A	P	P	P	P	P	P	P	0.875	0
02-1677-3625	96z	N1W1	87-92	4	2	Obsidian	2.1	2.5	0	CO	A	P	P	M	M	P	P	P	0.830	2
02-1677-3640	113d	N1W1	97-102	4	2	Obsidian	5.0	3.2	0	CO/ABR	A	P	P	M	M	P	P	A	0.670	2
02-1677-3651	127a	N1W1	102-107	4	3	CCS	2.7	2.9	2	M	M	P	P	P	M	M	M	M	1.000	5
02-1677-3653	127c	N1W1	102-107	4	3	CCS	32.9	5.2	1	M	A	P	P	P	P	P	P	A	0.750	0
02-1677-3654	127d	N1W1	102-107	4	3	CCS	19.9	4.8	1	CO	A	A	A	P	P	A	A	A	0.250	0
02-1677-3655	127e	N1W1	102-107	4	3	CCS	4.4	3.3	0	CT	A	P	A	P	A	P	P	A	0.500	0
02-1677-3656	127f	N1W1	102-107	4	3	Obsidian	4.3	4.5	0	CO	P	P	P	P	P	A	P	P	0.875	0
02-1677-3680	102g	N1W1	92-97	4	2	Obsidian	1.4	2.5	0	M	P	P	P	M	P	P	P	M	1.000	2
02-1677-3684	102k	N1W1	92-97	4	2	CCS	4.2	3.2	0	CO	A	A	A	M	M	P	P	A	0.330	2
02-1677-3686	111	N1W1	92-97	4	2	Obsidian	1.6	2.5	0	M	P	P	P	M	M	P	P	P	1.000	2
02-1677-3700	139d	N1W1	107-112	4	3	CCS	17.6	5.4	0	CT	A	P	A	P	P	P	P	A	0.625	0
02-1677-3701	139e	N1W1	107-112	4	3	Obsidian	2.3	2.7	0	CO	A	A	P	A	P	P	P	P	0.625	0
02-1677-3704	139h	N1W1	107-112	4	3	CCS	2.7	3.0	0	F	A	A	P	P	A	A	A	A	0.250	0
02-1677-3711	149b	N1W1	112-117	4	3	Obsidian	2.6	2.6	1	CO	P	P	P	P	A	A	A	P	0.625	0
02-1677-3736	168	N1W1	97-117	4	-	Obsidian	3.3	4.3	0	M	P	P	P	M	A	P	P	P	0.860	1
02-1677-3745	169h	N1W1	117-122	4	3	Obsidian	5.2	3.7	1	M	P	P	P	A	A	A	A	A	0.375	0
02-1677-3746	169i	N1W1	117-122	4	3	CCS	1.6	2.1	0	M	A	A	A	M	M	P	P	P	0.500	2
02-1677-3763	181f	N1W1	122-127	4	3	Obsidian	4.1	3.4	1	M	A	P	P	A	M	M	A	A	0.330	2

Note: for cortex P = present, A = absent; for platform type S = simple, C = complex, M = missing; for EU (edge unit) P = use, A = no use, M = missing edge.

Appendix B: Artifact Attributes - Flake Tools

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Weight (g)	Maximum Linear Dimension (cm)	Cortex	Platform Type	EU1	EU2	EU3	EU4	EU5	EU6	EU7	EU8	EU Index	Missing EUs
02-1677-3764	181g	N1W1	122-127	4	3	CCS	1.3	2.6	0	M	P	P	P	M	M	M	M	M	1.000	5
02-1677-3777	187e	N1W1	127-132	4	3	CCS	1.0	2.6	0	M	M	P	P	P	P	P	P	M	1.000	2
02-1677-3785	192c	N1W1	132-137	4	3	Obsidian	2.8	4.4	1	CO	P	P	P	P	A	A	A	A	0.500	0
02-1677-3791	195b	N1W1	137-142	4	3	FGV	42.9	7.0	1	M	P	A	P	P	P	A	P	P	0.750	0
02-1677-3803	204	N1W1	142-147	4	3	Obsidian	5.1	4.3	2	CO	P	P	P	A	A	A	A	A	0.375	0
02-1677-3822	217c	N1W1	157-162	4/6	4	Obsidian	29.7	4.8	2	M	A	A	P	P	A	A	A	A	0.250	0
02-1677-3832	226	N1W1	167-172	4/6	4	Obsidian	5.0	3.6	1	CO	A	P	P	M	M	P	P	A	0.670	2
02-1677-3833	227	N1W1	172	4/6	4	CCS	11.1	4.1	1	CO	A	P	P	P	P	P	P	A	0.750	0
02-1677-3989	71b	N1W1	82-87	4	2	CCS	6.4	3.2	0	M	P	P	A	A	P	A	A	P	0.500	0
02-1677-4077	2b	N1W1	17-22	1	1	CCS	1.4	2.7	0	M	M	P	P	P	P	M	M	M	1.000	4
02-1677-4078	21	N1W1	62	3a	1	CCS	2.1	2.7	0	CO	P	P	P	A	P	P	P	P	0.875	0
02-1677-4079	23b	N1W1	57-62	3a	1	CCS	4.4	3.6	0	M	P	M	M	A	A	A	A	A	0.167	2
02-1677-4115	23c	N1W1	57-62	3a	1	Obsidian	1.1	2.6	0	M	P	P	P	A	M	M	P	P	0.830	2
02-1677-4117	47	N1W1	67-72	4	2	Obsidian	1.1	2.4	0	CO	P	P	P	M	M	P	P	P	1.000	2
02-1677-4118	42e	N1W1	67-72	4	2	CCS	1.2	2.4	0	CO	P	P	P	M	M	P	P	P	1.000	2
02-1677-4119	42g	N1W1	67-72	4	2	Obsidian	2.7	3.2	1	CO	A	A	A	A	A	P	P	P	0.375	0
02-1677-4120	42c	N1W1	67-72	4	2	FGV	14.6	5.0	0	F	A	P	P	A	A	A	A	A	0.250	0
02-1677-4121	39d	N1W1	62-67	4	1	CCS	3.4	3.0	0	M	A	P	A	M	M	A	A	A	0.167	2
02-1677-4122	39b	N1W1	62-67	4	1	Obsidian	10.2	4.4	1	M	P	P	P	P	A	A	A	A	0.500	0
02-1677-4123	38e	N1W1	67-72	3a	2	FGV	1.6	3.7	0	M	M	M	M	M	P	P	P	P	1.000	4
02-1677-4125	36b	N1W1	67-72	3c	2	CCS	4.3	3.5	0	M	P	P	P	P	M	P	P	A	0.860	1
02-1677-4126	30	N1W1	63	3a	1	FGV	70.6	8.0	2	M	P	P	P	M	M	M	A	A	0.600	3
02-1677-4127	681x	N2W1	153-158	4	4	CCS	7.3	4.7	0	M	A	P	P	A	M	M	P	P	0.670	2
02-1677-4128	633y	N2W1	0-138	-	-	CCS	0.8	2.6	0	M	M	P	P	P	P	M	M	M	1.000	4
02-1677-4129	606x	N2W1	123-128	4	3	CCS	2.8	4.4	1	M	P	P	M	M	M	M	M	M	1.000	6
02-1677-4130	1036x	S0W2	157-162	5	4	Obsidian	6.7	3.9	2	CT	A	A	A	A	A	P	P	P	0.375	0
02-1677-4131	113y	N1W1	97-102	4	2	Obsidian	2.7	4.0	0	CO	A	A	P	P	P	A	A	P	0.500	0
02-1677-4132	-	S0W2	97-102	4	2	CCS	1.9	2.2	0	M	M	A	A	P	P	A	A	M	0.330	2
02-1677-4133	113x	N1W1	97-102	4	2	Obsidian	8.2	4.2	1	CO	A	P	P	M	A	A	A	A	0.290	1
02-1677-4134	-	S0W2	107-112	4	3	CCS	19.4	5.8	0	CT	A	A	M	M	M	P	A	A	0.200	3
02-1677-4135	102x	N1W1	92-97	4	2	CCS	22.9	5.2	1	M	A	A	P	P	P	P	P	P	0.750	0
02-1677-4136	17x	N1W1	62-67	3	1	Obsidian	4.5	2.7	2	M	M	M	M	A	A	A	P	P	0.400	3
02-1677-4137	-	S0W2	97-102	4	2	CCS	0.3	2.3	0	M	P	P	P	P	P	M	M	M	1.000	3

Note: for cortex P = present, A = absent; for platform type S = simple, C = complex, M = missing; for EU (edge unit) P = use, A = no use, M = missing edge.

Appendix B: Artifact Attributes - Flake Tools

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Weight (g)	Maximum Linear Dimension (cm)	Cortex	Platform Type	EU1	EU2	EU3	EU4	EU5	EU6	EU7	EU8	EU Index	Missing EUs
02-1677-4138	827x	S0W1	83-88	4	2	FGV	10.7	3.7	1	M	P	A	A	M	M	P	P	P	0.670	2
02-1677-4139	-	N1W1	62-67	4	1	Obsidian	3.1	2.9	0	CO	A	A	A	P	P	A	A	A	0.250	0
02-1677-4140	-	S0W2	122-127	4	2	CCS	2.8	2.7	0	M	P	P	P	M	M	P	P	P	1.000	2
02-1677-4141	827y	S0W1	83-88	4	2	CCS	0.3	1.1	0	M	P	P	P	P	P	M	M	M	1.000	3
02-1677-4142	-	S0W2	107-112	4	3	CCS	11.0	3.9	0	M	M	M	P	P	P	P	P	M	1.000	3
02-1677-4171	573x	N2W1	103-108	4	3	Obsidian	0.6	2.0	0	M	M	P	A	A	A	A	P	M	0.330	2
02-1677-4172	485x	N2W1	77-82	4	2	Obsidian	1.5	2.4	0	M	M	P	P	P	P	P	P	M	1.000	2
02-1677-4173	485y	N2W1	77-82	4	2	Obsidian	1.1	3.0	0	M	P	P	P	A	M	M	M	M	0.750	4
02-1677-4174	485z	N2W1	77-82	4	2	Obsidian	0.6	1.4	0	M	A	A	P	P	M	M	M	M	0.500	4

Note: for cortex P = present, A = absent; for platform type S = simple, C = complex, M = missing; for EU (edge unit) P = use, A = no use, M = missing edge.

Appendix B: Artifact Attributes - Groundstone

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Length (cm)	Width (cm)	Thickness (cm)	Pecked	Shaped	Use-wear	Groundstone Type
02-1677-0250	S0W2	509	85	4	2	FGV	11.5	10.0	4.5	no	no	moderate	mano
02-1677-1133	S0W2	1069	160	4	4	FGV	25.0	17.0	9.5	yes	no	moderate	metate
02-1677-1217	S0W2	214	72	4	2	FGV	5.0	7.5	5.0	no	no	heavy	mano fragment
02-1677-1613	S0W1	455	68	4	2	FGV	7.5	4.0	4.5	no	no	heavy	mano
02-1677-1663	S0W1	503	67	4	2	FGV	5.0	5.0	1.0	no	no	moderate	metate fragment
02-1677-1700	S0W1	540	72	4	2	FGV	6.5	6.0	2.0	no	no	light	metate fragment
02-1677-2046	S0W1	872	85	4	2	FGV	6.0	5.0	1.5	yes	no	moderate	metate fragment
02-1677-2321	S0W1	1107	94	4	2	FGV	7.0	3.5	1.0	no	no	moderate	metate fragment
02-1677-2425	S0W1	1205	100	4	2	FGV	4.0	5.0	3.5	no	no	light	miscellaneous fragment
02-1677-2461	S0W1	1236	114	4	3	FGV	6.5	3.0	3.5	no	yes	light	metate fragment
02-1677-2469	S0W1	1231	112	4	3	FGV	48.5	32.5	8.5	no	no	moderate	metate
02-1677-2482	S0W1	1249	127	4	3	FGV	6.5	5.0	4.0	no	no	moderate	metate fragment
02-1677-2494	S0W1	1256	136	4	3	FGV	11.0	8.5	2.0	no	no	heavy	metate fragment
02-1677-2501	S0W1	1260	139	4	3	FGV	7.0	7.0	2.5	no	no	moderate	metate fragment
02-1677-2572	S0W1	406	68	3	1	FGV	8.5	6.0	2.0	no	no	heavy	mano
02-1677-2581	N2W1	5	16	1	1	FGV	7.5	5.5	3.5	no	no	light	metate fragment
02-1677-2606	N2W1	1	9	1	1	FGV	9.0	8.0	1.0	no	no	heavy	metate fragment
02-1677-3002	N2W1	410	65	4	2	FGV	12.0	12.0	5.5	no	no	moderate	mano
02-1677-3022	N2W1	463	64	3a/4	1	FGV	13.0	9.0	7.5	no	no	light	metate fragment
02-1677-3057	N2W1	456	67	4	2	FGV	8.0	7.0	4.5	no	no	light	metate fragment
02-1677-3185	N2W1	564	99	4	2	FGV	5.0	3.0	4.0	no	no	light	miscellaneous fragment
02-1677-3188	N2W1	567	99	4	2	FGV	4.0	3.0	2.5	no	no	heavy	miscellaneous fragment
02-1677-3191	N2W1	571	99-104	4	2	FGV	11.5	9.0	5.0	no	no	light	mano
02-1677-3259	N2W1	611	88	4	2	FGV	8.0	4.5	1.5	no	no	moderate	metate fragment
02-1677-3280	N2W1	626	137	4	3	FGV	6.0	6.0	1.5	no	no	moderate	metate fragment
02-1677-3318	N2W1	633	61	4	2	FGV	11.0	9.0	5.0	no	no	moderate	metate fragment
02-1677-3354	N2W1	684	153-158	4	4	FGV	6.5	5.5	1.5	no	no	light	metate fragment
02-1677-3362	N2W1	690	163	4/4a	4	FGV	5.0	4.0	1.5	no	no	moderate	mano
02-1677-3366	N2W1	693	158-165	4/4a	4	FGV	13.0	9.0	7.0	yes	yes	heavy	metate fragment

Appendix B: Artifact Attributes - Groundstone

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Length (cm)	Width (cm)	Thickness (cm)	Pecked	Shaped	Use-wear	Groundstone Type
02-1677-3367	N2W1	694	167	4	4	FGV	13.0	7.0	2.0	no	no	heavy	metate fragment
02-1677-3453	N1W1	-	62	3	1	FGV	8.0	5.5	3.0	yes	no	moderate	mano fragment
02-1677-3458	N1W1	-	52	3	1	FGV	10.0	8.5	2.0	no	yes	moderate	metate fragment
02-1677-3634	N1W1	-	97	4	2	FGV	9.0	7.0	1.5	no	yes	heavy	metate fragment
02-1677-3648	N1W1	-	98	4	2	FGV	8.0	5.0	1.5	no	no	heavy	metate fragment
02-1677-3658	N1W1	-	100	4	2	FGV	5.0	6.0	4.5	no	no	light	metate fragment
02-1677-3664	N1W1	-	102-107	4	3	FGV	8.0	5.0	1.5	yes	no	heavy	metate fragment
02-1677-3687	N1W1	-	94	4	2	FGV	17.0	5.0	5.0	no	yes	heavy	metate fragment
02-1677-3695	N1W1	-	87-143	4	-	FGV	22.0	16.0	4.5	no	no	heavy	metate fragment
02-1677-3702	N1W1	-	107-112	4	3	FGV	9.0	4.5	3.0	no	no	moderate	metate fragment
02-1677-3749	N1W1	-	118	4	3	FGV	10.0	5.5	1.0	no	no	heavy	metate fragment
02-1677-3751	N1W1	-	123	4	3	FGV	8.0	6.0	3.5	no	no	light	metate fragment
02-1677-3752	N1W1	-	124	4	3	FGV	9.5	6.0	2.5	no	no	moderate	mano
02-1677-3796	N1W1	-	137-142	4	3	FGV	12.0	4.0	3.0	no	no	light	metate fragment
02-1677-3817	N1W1	-	152-157	4/6	4	FGV	5.5	2.0	1.0	no	no	moderate	metate fragment
02-1677-3839	N1W1	-	175	4/6	4	FGV	8.0	6.0	8.0	no	no	heavy	metate fragment
02-1677-3881	N1W1	-	78	4	2	FGV	6.5	6.5	4.5	no	no	moderate	mano fragment
02-1677-3946	N1W1	195x	137-142	4	3	FGV	3.0	2.0	1.0	no	no	moderate	miscellaneous fragment

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	complete	simple
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	complete	simple
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	complete	simple
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	complete	simple
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	complete	simple
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	complete	simple
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	proximal	simple
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	complete	complex
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	complete	complex
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	complete	complex
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	complete	complex
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	complete	complex
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	complete	complex
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	complete	complex
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	complete	complex
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	complete	complex
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	complete	complex
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	complete	complex
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	complete	complex
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	complete	complex
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	complete	complex
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	complete	complex
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	complete	complex
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	complete	complex
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	complete	complex
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	complete	complex
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	complete	complex
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	proximal	complex
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	proximal	complex
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	proximal	complex
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	proximal	complex
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	proximal	complex
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	proximal	complex
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	proximal	complex
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	proximal	complex
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	proximal	complex
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	proximal	complex
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	proximal	indeterminate
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	indeterminate
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	indeterminate
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	indeterminate
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	indeterminate
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	indeterminate
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	indeterminate
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	indeterminate
02-1677-2873	279	N2W1	63-68	3a	1	CCS	present	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	complete	complex
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	complete	complex
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	complete	complex
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	proximal	complex
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	proximal	complex
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	present	complete	complex
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	proximal	simple
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	complete	complex
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	present	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	complete	complex
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	present	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	complete	simple
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	complete	simple
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	present	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	present	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	present	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	CCS	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	FGV	absent	complete	indeterminate
02-1677-2873	279	N2W1	63-68	3a	1	FGV	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	FGV	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	FGV	present	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	FGV	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	FGV	present	proximal	simple
02-1677-2873	279	N2W1	63-68	3a	1	FGV	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	FGV	absent	proximal	simple
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	complete	simple
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	complete	simple
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	complete	simple
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	complete	complex
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	complete	complex
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	complete	complex
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	complete	complex
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	complete	complex
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	complete	complex
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	complete	complex
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	complete	complex
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	complete	complex

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	complete	complex
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	complete	complex
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	complete	complex
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	proximal	complex
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	proximal	complex
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	proximal	complex
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	proximal	complex
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	proximal	complex
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	proximal	complex
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	proximal	complex
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	proximal	complex
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	proximal	complex
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	proximal	complex
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	proximal	complex
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	complete	indeterminate
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	complete	indeterminate
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	complete	indeterminate
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	complete	indeterminate
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	complete	indeterminate
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	present	complete	complex
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	present	complete	complex
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	present	complete	complex
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	present	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	present	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	present	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	proximal	complex
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	shatter	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	proximal	complex
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	present	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	complete	complex
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	present	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	proximal	complex
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	present	proximal	complex
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	absent	medial/distal	missing
02-1677-2873	279	N2W1	63-68	3a	1	Obsidian	present	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	simple
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	simple
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	simple
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	simple
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	simple
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	simple
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	simple
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	simple
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	proximal	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	proximal	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	proximal	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	proximal	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	proximal	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	proximal	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	proximal	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	proximal	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	proximal	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	proximal	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	proximal	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	proximal	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	indeterminate
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	indeterminate
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	indeterminate
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	indeterminate
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	indeterminate
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	indeterminate
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	indeterminate
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	indeterminate
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	proximal	indeterminate
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	present	complete	simple
02-1677-3120	485b	N2W1	77-82	4	2	CCS	present	proximal	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	present	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	present	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	present	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	present	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	present	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	simple
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	simple
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	proximal	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	proximal	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	proximal	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	proximal	indeterminate
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	present	complete	simple
02-1677-3120	485b	N2W1	77-82	4	2	CCS	present	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	present	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	present	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	simple
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	proximal	simple
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	proximal	simple
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	proximal	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	present	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	simple
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	proximal	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	indeterminate
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	present	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	present	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	proximal	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	present	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	present	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	proximal	simple

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	proximal	simple
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	present	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	proximal	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	present	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	simple
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	present	proximal	simple
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	proximal	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	present	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	complete	indeterminate
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	present	complete	indeterminate
02-1677-3120	485b	N2W1	77-82	4	2	CCS	present	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	present	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	present	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	CCS	present	complete	simple
02-1677-3120	485b	N2W1	77-82	4	2	FGV	absent	complete	simple
02-1677-3120	485b	N2W1	77-82	4	2	FGV	absent	complete	simple
02-1677-3120	485b	N2W1	77-82	4	2	FGV	absent	proximal	simple
02-1677-3120	485b	N2W1	77-82	4	2	FGV	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	FGV	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	FGV	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	FGV	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	FGV	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	FGV	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	FGV	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	FGV	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	FGV	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	FGV	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	FGV	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	FGV	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	FGV	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	FGV	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	FGV	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	FGV	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	FGV	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	FGV	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	FGV	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	FGV	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	FGV	absent	proximal	complex
02-1677-3120	485b	N2W1	77-82	4	2	FGV	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	FGV	present	complete	simple
02-1677-3120	485b	N2W1	77-82	4	2	FGV	absent	shatter	missing

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-3120	485b	N2W1	77-82	4	2	FGV	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	FGV	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	simple
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	simple
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	proximal	simple
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	proximal	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	proximal	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	proximal	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	proximal	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	proximal	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	proximal	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	proximal	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	proximal	complex

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	proximal	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	proximal	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	proximal	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	proximal	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	proximal	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	proximal	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	proximal	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	indeterminate
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	indeterminate
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	indeterminate
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	indeterminate
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	indeterminate
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	indeterminate
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	indeterminate
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	indeterminate
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	indeterminate
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	indeterminate
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	proximal	indeterminate
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	proximal	indeterminate
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	proximal	indeterminate
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	proximal	indeterminate
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	proximal	indeterminate
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	proximal	indeterminate
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	present	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	present	complete	indeterminate
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	present	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	present	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	present	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	present	complete	simple
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	present	shatter	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	proximal	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	proximal	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	proximal	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	present	proximal	complex
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	present	medial/distal	missing
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	absent	complete	simple
02-1677-3120	485b	N2W1	77-82	4	2	Obsidian	present	complete	simple
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	simple
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	simple
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	simple
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	simple
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	simple
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	simple
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	simple
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	simple
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	simple
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	simple
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	simple
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	proximal	simple
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	proximal	simple
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	proximal	simple

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	proximal	complex
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	proximal	complex
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	proximal	complex
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	present	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	present	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	simple
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	simple
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	simple
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	proximal	simple
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	proximal	simple
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	proximal	complex
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	proximal	complex
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	proximal	complex
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	proximal	complex
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	proximal	complex
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	proximal	complex
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	proximal	complex
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	proximal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	simple
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	proximal	simple
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	proximal	complex
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	proximal	complex
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	simple
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	proximal	complex
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	present	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	simple
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	shatter	missing

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	simple
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	proximal	complex
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	proximal	complex
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	proximal	simple
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	proximal	complex
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	simple
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	simple
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	proximal	complex
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	proximal	simple
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	simple
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	simple
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	simple
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	CCS	present	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	present	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	proximal	complex
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	CCS	present	medial/distal	simple
02-1677-3202	573i	N2W1	103-108	4	3	FGV	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	FGV	absent	complete	simple
02-1677-3202	573i	N2W1	103-108	4	3	FGV	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	FGV	present	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	FGV	absent	proximal	simple
02-1677-3202	573i	N2W1	103-108	4	3	FGV	absent	proximal	simple
02-1677-3202	573i	N2W1	103-108	4	3	FGV	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	FGV	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	FGV	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	FGV	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	FGV	absent	complete	simple
02-1677-3202	573i	N2W1	103-108	4	3	FGV	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	FGV	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	FGV	absent	proximal	simple
02-1677-3202	573i	N2W1	103-108	4	3	FGV	present	proximal	simple

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-3202	573i	N2W1	103-108	4	3	FGV	absent	complete	simple
02-1677-3202	573i	N2W1	103-108	4	3	FGV	present	complete	simple
02-1677-3202	573i	N2W1	103-108	4	3	FGV	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	FGV	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	complete	simple
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	complete	simple
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	proximal	simple
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	proximal	simple
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	proximal	simple
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	proximal	simple
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	proximal	simple
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	proximal	simple
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	proximal	simple
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	proximal	complex
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	proximal	complex
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	proximal	complex
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	proximal	complex
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	proximal	complex
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	proximal	complex
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	proximal	complex
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	proximal	complex
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	proximal	complex
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	proximal	complex
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	proximal	complex
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	proximal	complex
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	proximal	complex
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	proximal	complex
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	proximal	complex
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	complete	indeterminate
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	complete	indeterminate
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	proximal	indeterminate
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	indeterminate
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	present	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	present	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	proximal	complex
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	proximal	complex
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	proximal	complex
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	proximal	complex
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	complete	indeterminate
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	present	proximal	complex
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	present	shatter	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	complete	simple
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	complete	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	complete	simple
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	proximal	complex
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	proximal	complex
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	present	complete	simple
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	present	medial/distal	indeterminate
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	complete	simple
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	complete	simple
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	present	medial/distal	missing
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	present	complete	simple

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	complete	complex
02-1677-3202	573i	N2W1	103-108	4	3	Obsidian	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	complete	simple
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	proximal	complex
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	proximal	complex
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	proximal	complex
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	proximal	complex
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	proximal	complex
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	proximal	complex
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	proximal	complex
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	proximal	complex
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	proximal	complex
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	proximal	simple
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	proximal	complex
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	proximal	complex
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	proximal	complex
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	proximal	complex
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	proximal	complex
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	shatter	indeterminate
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	proximal	complex
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	shatter	indeterminate
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	proximal	complex
02-1677-3267	614e	N2W1	128-133	4	3	CCS	present	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	shatter	indeterminate
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	proximal	complex
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	proximal	simple
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	shatter	indeterminate
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	proximal	complex
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	complete	simple
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	shatter	indeterminate
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	CCS	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	FGV	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	FGV	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	FGV	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	FGV	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	FGV	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	FGV	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	FGV	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	FGV	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	FGV	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	FGV	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	FGV	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	FGV	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	FGV	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	FGV	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	FGV	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	FGV	present	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	FGV	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	FGV	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	FGV	present	complete	simple
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	complete	simple
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	complete	simple
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	complete	simple
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	complete	complex

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	proximal	complex
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	proximal	complex
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	proximal	complex
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	proximal	complex
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	proximal	complex
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	proximal	complex
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	proximal	complex
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	present	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	present	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	proximal	complex
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	proximal	complex
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	proximal	complex
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	proximal	complex
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	proximal	complex
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	proximal	complex
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	proximal	complex
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	present	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	medial/distal	missing
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	present	complete	simple
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	present	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	present	complete	complex
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	present	complete	simple
02-1677-3267	614e	N2W1	128-133	4	3	Obsidian	absent	complete	simple
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	complete	simple

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	complete	simple
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	complete	simple
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	complete	simple
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	complete	complex
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	complete	complex
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	complete	complex
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	complete	complex
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	complete	complex
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	complete	indeterminate
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	complete	indeterminate
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	proximal	indeterminate
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	present	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	complete	simple
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	complete	simple
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	proximal	simple
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	complete	simple
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	complete	simple
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	complete	simple
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	complete	complex
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	proximal	indeterminate
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	complete	simple
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	complete	simple
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	complete	simple
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	proximal	simple
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	complete	complex
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	complete	complex
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	present	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	complete	complex
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	complete	indeterminate
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	present	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	complete	complex
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	complete	simple
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	complete	complex
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	proximal	simple

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	complete	simple
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	proximal	simple
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	CCS	absent	complete	simple
02-1677-3343	676c	N2W1	148-153	4	3	CCS	present	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	FGV	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	FGV	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	complete	simple
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	complete	simple
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	complete	simple
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	complete	simple
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	simple
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	complete	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	complete	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	complete	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	complete	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	complete	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	complete	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	complete	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	complete	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	complete	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	complete	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	complete	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	complete	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	complete	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	complete	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	complete	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	complete	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	complete	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	complete	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	complete	indeterminate
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	complete	indeterminate

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	complete	indeterminate
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	complete	indeterminate
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	complete	indeterminate
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	complete	indeterminate
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	indeterminate
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	indeterminate
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	indeterminate
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	complete	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	present	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	present	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	present	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	present	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	present	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	present	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	complete	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	complete	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	complete	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	indeterminate
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	indeterminate
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	indeterminate
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	present	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	present	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	complete	simple
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	complete	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	complete	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	indeterminate
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	indeterminate
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	indeterminate
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	present	complete	simple
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	present	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	present	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	present	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	complete	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	complete	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	complete	indeterminate
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	complete	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	present	proximal	simple
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	simple
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	complete	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	present	complete	simple
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	present	shatter	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	complete	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	complete	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	proximal	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	complete	simple
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	complete	complex
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	present	complete	simple
02-1677-3343	676c	N2W1	148-153	4	3	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	complete	complex

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	proximal	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	proximal	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	proximal	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	proximal	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	proximal	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	proximal	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	proximal	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	proximal	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	proximal	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	proximal	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	proximal	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	shatter	missing

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	present	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	complete	indeterminate
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	proximal	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	proximal	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	proximal	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	proximal	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	complete	indeterminate
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	proximal	simple
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	proximal	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	proximal	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	proximal	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	present	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	proximal	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	CCS	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	FGV	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	FGV	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	FGV	absent	complete	indeterminate
02-1677-3364	691a	N2W1	163-168	4/4a	4	FGV	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	FGV	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	FGV	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	FGV	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	FGV	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	FGV	present	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	FGV	absent	complete	simple
02-1677-3364	691a	N2W1	163-168	4/4a	4	FGV	absent	complete	indeterminate
02-1677-3364	691a	N2W1	163-168	4/4a	4	FGV	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	FGV	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	FGV	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	FGV	absent	shatter	missing

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-3364	691a	N2W1	163-168	4/4a	4	FGV	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	FGV	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	FGV	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	FGV	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	FGV	absent	proximal	simple
02-1677-3364	691a	N2W1	163-168	4/4a	4	FGV	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	FGV	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	FGV	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	FGV	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	FGV	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	FGV	absent	proximal	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	FGV	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	FGV	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	FGV	present	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	FGV	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	simple
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	simple
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	simple
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	simple
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	simple
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	simple
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	simple
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	simple
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	simple
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	proximal	simple
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	proximal	simple
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	proximal	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	proximal	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	proximal	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	proximal	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	proximal	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	proximal	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	proximal	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	proximal	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	proximal	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	proximal	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	proximal	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	proximal	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	proximal	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	proximal	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	indeterminate
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	indeterminate
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	indeterminate
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	proximal	indeterminate
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	present	complete	simple
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	present	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	present	medial/distal	missing

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	present	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	present	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	present	shatter	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	simple
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	proximal	complex
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	present	medial/distal	missing
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	absent	complete	simple
02-1677-3364	691a	N2W1	163-168	4/4a	4	Obsidian	present	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	complete	simple
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	proximal	simple
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	proximal	simple
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	complete	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	complete	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	complete	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	complete	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	complete	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	complete	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	complete	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	complete	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	proximal	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	proximal	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	medial/distal	missing

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	shatter	indeterminate
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	shatter	indeterminate
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	shatter	indeterminate
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	shatter	indeterminate
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	shatter	indeterminate
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	complete	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	shatter	indeterminate
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	proximal	simple
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	complete	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	present	shatter	indeterminate
02-1677-3395	715b	N2W1	183-188	4/4a	4	CCS	absent	shatter	indeterminate
02-1677-3395	715b	N2W1	183-188	4/4a	4	FGV	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	FGV	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	FGV	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	FGV	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	FGV	absent	complete	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	complete	simple
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	complete	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	complete	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	complete	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	complete	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	complete	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	complete	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	complete	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	complete	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	complete	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	complete	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	complete	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	complete	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	complete	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	complete	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	complete	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	complete	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	complete	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	complete	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	complete	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	complete	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	complete	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	complete	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	complete	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	complete	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	complete	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	complete	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	complete	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	proximal	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	proximal	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	proximal	complex

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	proximal	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	proximal	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	proximal	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	proximal	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	proximal	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	proximal	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	proximal	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	proximal	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	proximal	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	proximal	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	proximal	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	proximal	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	proximal	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	proximal	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	proximal	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	proximal	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	proximal	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	proximal	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	proximal	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	proximal	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	proximal	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	proximal	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	proximal	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	present	shatter	indeterminate
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	proximal	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	proximal	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	complete	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	medial/distal	missing
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	absent	complete	complex
02-1677-3395	715b	N2W1	183-188	4/4a	4	Obsidian	present	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	CCS	absent	complete	simple
02-1677-3401	718	N2W1	198-203	6	4	CCS	absent	complete	complex
02-1677-3401	718	N2W1	198-203	6	4	CCS	absent	complete	complex
02-1677-3401	718	N2W1	198-203	6	4	CCS	absent	complete	complex
02-1677-3401	718	N2W1	198-203	6	4	CCS	absent	complete	complex
02-1677-3401	718	N2W1	198-203	6	4	CCS	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	CCS	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	CCS	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	CCS	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	CCS	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	CCS	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	CCS	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	CCS	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	CCS	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	CCS	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	CCS	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	CCS	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	CCS	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	CCS	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	CCS	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	CCS	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	CCS	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	CCS	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	CCS	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	CCS	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	CCS	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	CCS	absent	medial/distal	missing

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-3401	718	N2W1	198-203	6	4	CCS	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	CCS	absent	shatter	indeterminate
02-1677-3401	718	N2W1	198-203	6	4	CCS	absent	shatter	indeterminate
02-1677-3401	718	N2W1	198-203	6	4	FGV	absent	complete	complex
02-1677-3401	718	N2W1	198-203	6	4	FGV	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	FGV	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	FGV	absent	complete	simple
02-1677-3401	718	N2W1	198-203	6	4	FGV	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	Obsidian	absent	complete	complex
02-1677-3401	718	N2W1	198-203	6	4	Obsidian	absent	complete	complex
02-1677-3401	718	N2W1	198-203	6	4	Obsidian	absent	complete	complex
02-1677-3401	718	N2W1	198-203	6	4	Obsidian	absent	complete	complex
02-1677-3401	718	N2W1	198-203	6	4	Obsidian	absent	proximal	complex
02-1677-3401	718	N2W1	198-203	6	4	Obsidian	absent	proximal	complex
02-1677-3401	718	N2W1	198-203	6	4	Obsidian	absent	proximal	complex
02-1677-3401	718	N2W1	198-203	6	4	Obsidian	absent	proximal	complex
02-1677-3401	718	N2W1	198-203	6	4	Obsidian	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	Obsidian	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	Obsidian	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	Obsidian	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	Obsidian	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	Obsidian	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	Obsidian	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	Obsidian	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	Obsidian	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	Obsidian	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	Obsidian	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	Obsidian	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	Obsidian	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	Obsidian	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	Obsidian	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	Obsidian	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	Obsidian	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	Obsidian	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	Obsidian	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	Obsidian	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	Obsidian	absent	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	Obsidian	absent	shatter	indeterminate
02-1677-3401	718	N2W1	198-203	6	4	Obsidian	present	medial/distal	missing
02-1677-3401	718	N2W1	198-203	6	4	Obsidian	absent	proximal	simple
02-1677-3401	718	N2W1	198-203	6	4	Obsidian	absent	proximal	complex
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	complete	simple
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	complete	simple
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	complete	simple
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	proximal	simple
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	proximal	simple
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	proximal	simple
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	proximal	complex
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	proximal	complex

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	proximal	complex
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	proximal	complex
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	proximal	complex
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	proximal	complex
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	proximal	complex
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	proximal	complex
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	proximal	complex
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	proximal	complex
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	proximal	complex
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	proximal	complex
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	shatter	indeterminate
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	shatter	indeterminate
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	shatter	indeterminate
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	shatter	indeterminate
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	complete	simple
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	proximal	complex
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	proximal	complex
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	proximal	complex
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	proximal	complex
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	proximal	complex
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	proximal	complex
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	shatter	indeterminate
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	shatter	indeterminate
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	shatter	indeterminate
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	shatter	indeterminate
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	proximal	simple
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	proximal	complex
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	proximal	complex
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	proximal	complex
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	proximal	complex
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	shatter	indeterminate
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	shatter	indeterminate
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	proximal	complex
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	shatter	indeterminate
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	proximal	complex
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	shatter	indeterminate
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	proximal	complex
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	shatter	indeterminate
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	complete	simple
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	proximal	complex
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	shatter	indeterminate
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	CCS	present	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	complete	simple
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	shatter	indeterminate
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	CCS	absent	complete	simple
02-1677-4147	548x	N2W1	88-93	4	2	FGV	absent	complete	simple
02-1677-4147	548x	N2W1	88-93	4	2	FGV	absent	complete	simple
02-1677-4147	548x	N2W1	88-93	4	2	FGV	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	FGV	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	FGV	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	FGV	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	FGV	absent	shatter	missing
02-1677-4147	548x	N2W1	88-93	4	2	FGV	absent	complete	simple
02-1677-4147	548x	N2W1	88-93	4	2	FGV	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	FGV	absent	complete	simple
02-1677-4147	548x	N2W1	88-93	4	2	FGV	absent	complete	indeterminate
02-1677-4147	548x	N2W1	88-93	4	2	FGV	absent	complete	simple
02-1677-4147	548x	N2W1	88-93	4	2	FGV	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	FGV	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	FGV	present	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	FGV	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	FGV	absent	complete	simple
02-1677-4147	548x	N2W1	88-93	4	2	FGV	absent	proximal	simple
02-1677-4147	548x	N2W1	88-93	4	2	FGV	absent	complete	simple
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	complete	simple
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	complete	simple
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	complete	simple
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	proximal	simple
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	complete	complex

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	proximal	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	proximal	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	proximal	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	proximal	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	proximal	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	proximal	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	proximal	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	proximal	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	proximal	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing

Appendix B: Artifact Attributes - Debitage

Accession Number	FS Number	Unit	CM Below Datum	Stratum	Component	Material	Cortex	Flake Portion	Platform Type
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	shatter	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	shatter	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	present	shatter	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	present	shatter	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	present	shatter	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	proximal	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	proximal	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	present	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	proximal	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	proximal	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	present	proximal	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	present	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	shatter	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	proximal	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	present	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	proximal	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	proximal	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	complete	complex
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	present	proximal	simple
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	absent	medial/distal	missing
02-1677-4147	548x	N2W1	88-93	4	2	Obsidian	present	complete	simple

Appendix C: X-Ray Fluorescence Data

Site	Artifact Number	Lab Number	Artifact Type	Source	Zn	Pb	Rb	Sr	Y	Zr	Nb	Ti	Mn	Ba	Fe^2O^3	Fe:Mn	Fe:Ti
26HU147	96	BO-11-104-6	Flake	ML/GV	111	38	233	8	91	580	27	1454	874	NM	1.52	14.6	34.2
26HU147	99	BO-11-104-34	Flake	ML/GV	135	24	219	6	86	560	37	1106	628	NM	1.55	20.6	45.6
26HU147	110	BO-11-104-31	Flake	ML/GV	130	23	210	9	78	532	29	1101	908	NM	1.53	14.2	45.2
26HU147	123	BO-11-104-30	Flake	BS/PP/FM	138	38	163	19	56	355	19	537	249	NM	1.47	48.2	86.8
26HU147	123	BO-11-104-33	Flake	WH/DH-BS/PP/FM	147	42	193	7	70	440	25	761	415	NM	1.29	26.2	55.3
26HU147	123	BO-11-104-32	Flake	ML/GV	123	35	235	6	91	598	36	1564	1014	NM	1.99	16.3	41.0
26HU147	123	BO-11-104-29	Flake	ML/GV	129	29	227	10	85	564	28	1582	894	NM	1.80	16.8	37.0
26HU147	123	BO-11-104-25	Flake	ML/GV *	158	23	243	7	89	590	29	NM	NM	NM	NM	20.3	29.9
26HU147	123	BO-11-104-26	Flake	ML/GV *	165	38	227	6	90	585	32	NM	NM	NM	NM	21.5	47.6
26HU147	123	BO-11-104-27	Flake	ML/GV	123	34	233	7	83	565	29	1597	661	NM	1.59	20.0	32.5
26HU147	123	BO-11-104-28	Flake	ML/GV	159	28	257	6	95	609	31	1486	776	NM	1.97	20.9	42.6
26HU147	123	BO-11-104-91	Flake	ML/GV *	94	36	233	ND	91	591	32	NM	NM	NM	NM	20.8	42.1
26HU147	123	BO-11-104-92	Flake	ML/GV *	145	28	251	9	85	558	30	NM	NM	NM	NM	20.4	48.2
26HU147	123	BO-11-104-93	Flake	ML/GV *	160	39	257	6	94	611	29	NM	NM	NM	NM	20.7	47.0
26HU147	123	BO-11-104-94	Flake	ML/GV *	137	29	224	9	89	577	30	NM	NM	NM	NM	20.6	46.1
26HU147	123	BO-11-104-95	Flake	Craine Creek	30	30	161	146	20	159	13	899	563	1196	1.15	17.5	42.4
26HU147	123	BO-11-104-87	Flake	ML/GV *	99	28	210	6	85	548	31	NM	NM	NM	NM	20.8	31.4
26HU147	123	BO-11-104-88	Flake	ML/GV *	125	30	227	7	89	587	29	NM	NM	NM	NM	20.7	44.7
26HU147	123	BO-11-104-89	Flake	ML/GV *	150	34	266	7	94	616	36	NM	NM	NM	NM	20.5	45.3
26HU147	123	BO-11-104-90	Flake	WH/DH-BS/PP/FM *	148	35	194	9	73	448	23	NM	NM	NM	NM	62.1	95.0
26HU147	123	BO-11-104-24	Flake	ML/GV *	169	32	231	7	94	579	28	NM	NM	NM	NM	20.9	50.0
26HU147	123	BO-11-104-23	Flake	ML/GV *	149	30	237	5	88	576	33	NM	NM	NM	NM	21.1	45.8
26HU147	123	BO-11-104-72	Flake	ML/GV	142	35	246	6	99	606	35	1295	655	NM	1.61	20.5	40.4
26HU147	123	BO-11-104-22	Flake	ML/GV *	145	27	248	10	90	611	32	NM	NM	NM	NM	20.3	44.0
26HU147	123	BO-11-104-71	Flake	Craine Creek *	58	25	168	153	22	157	15	NM	NM	NM	NM	28.4	60.4
26HU147	123	BO-11-104-20	Flake	ML/GV *	147	41	246	7	94	603	33	NM	NM	NM	NM	20.5	44.9
26HU147	123	BO-11-104-21	Flake	ML/GV *	138	31	228	5	85	574	30	NM	NM	NM	NM	20.5	46.0
26HU147	123	BO-11-104-67	Flake	ML/GV *	128	33	228	ND	89	582	29	NM	NM	NM	NM	20.8	46.3
26HU147	123	BO-11-104-68	Flake	ML/GV *	126	32	254	8	94	598	36	NM	NM	NM	NM	19.8	47.5
26HU147	123	BO-11-104-70	Flake	ML/GV	150	37	249	6	92	615	33	1482	696	NM	1.71	20.4	37.4
26HU147	123	BO-11-104-96	Flake	Craine Creek	56	24	168	146	20	155	15	661	344	1134	1.23	30.1	60.8

Note: All trace element values reported in parts per million; NM = not measured; ND = not detected; * small sample; ML/GV = Massacre Lake/Guano Valley; WH/DH = Whitehorse/Double H; BS/PP/FM = Bordwell Spring/Pinto Peak/Fox Mountain

Appendix C: X-Ray Fluorescence Data

Site	Artifact Number	Lab Number	Artifact Type	Source	Zn	Pb	Rb	Sr	Y	Zr	Nb	Ti	Mn	Ba	Fe^2O^3	Fe:Mn	Fe:Ti
26HU147	248a-b	BO-11-104-97	Flake	ML/GV*	133	25	238	6	90	594	32	NM	NM	NM	NM	20.0	45.3
26HU147	372	BO-11-104-19	Flake	ML/GV	145	25	227	9	90	576	33	1293	846	NM	1.45	14.4	36.7
26HU147	374	BO-11-104-18	Flake	ML/GV	122	35	208	8	84	548	30	1191	648	NM	1.59	20.5	43.4
26HU147	391	BO-11-104-17	Flake	ML/GV	108	39	236	5	86	574	30	1400	787	NM	1.95	20.5	44.9
26HU147	421	BO-11-104-16	Flake	ML/GV	142	32	231	5	84	576	30	1409	702	NM	1.62	19.2	37.4
26HU147	484	BO-11-104-15	Flake	ML/GV	139	37	239	6	95	606	32	1544	787	NM	1.93	20.3	40.3
26HU147	488	BO-11-104-14	Flake	ML/GV	130	31	217	17	86	577	33	1276	697	NM	1.53	18.4	39.1
26HU147	501	BO-11-104-13	Flake	ML/GV*	129	25	216	6	81	555	30	NM	NM	NM	NM	20.1	44.3
26HU147	527	BO-11-104-12	Flake	ML/GV	164	38	238	7	92	574	34	1432	1000	NM	1.98	16.4	44.6
26HU147	534	BO-11-104-11	Flake	ML/GV	142	35	245	7	91	595	30	1277	682	NM	1.63	19.9	41.4
26HU147	563	BO-11-104-10	Flake	ML/GV	150	26	239	7	92	597	32	1529	869	NM	2.06	19.6	43.3
26HU147	583	BO-11-104-9	Flake	ML/GV	107	25	210	8	83	550	28	1110	595	NM	1.45	20.5	42.8
26HU147	591e-a	BO-11-104-46	Flake	ML/GV*	122	30	251	6	92	603	32	NM	NM	NM	NM	19.4	40.2
26HU147	591e-b	BO-11-104-47	Flake	ML/GV*	119	33	241	6	97	610	39	NM	NM	NM	NM	19.6	42.4
26HU147	591e-c	BO-11-104-48	Flake	WH/DH-BS/PP/FM	156	42	195	12	75	457	21	630	399	NM	1.32	27.7	67.5
26HU147	591e-d	BO-11-104-49	Flake	ML/GV	167	38	232	7	91	585	32	1260	657	NM	1.57	20.0	40.6
26HU147	591e-e	BO-11-104-50	Flake	ML/GV	120	31	221	7	88	556	33	1293	865	NM	1.77	17.0	44.2
26HU147	599a-a	BO-11-104-44	Flake	ML/GV	148	26	225	6	88	587	33	1299	745	NM	1.89	21.0	46.8
26HU147	599a-b	BO-11-104-45	Flake	ML/GV	136	34	227	8	92	587	32	1509	770	NM	1.80	19.4	38.7
26HU147	606i-a	BO-11-104-42	Flake	ML/GV	171	30	254	5	97	617	35	1097	653	NM	1.66	21.2	48.9
26HU147	606i-b	BO-11-104-43	Flake	ML/GV	147	31	213	13	87	569	30	1312	965	NM	1.84	15.9	45.3
26HU147	613	BO-11-104-8	Flake	ML/GV	132	33	231	8	86	587	34	1303	782	NM	1.53	16.4	38.4
26HU147	614e-a	BO-11-104-40	Flake	ML/GV	141	29	233	5	89	588	34	1396	803	NM	2.01	20.6	46.2
26HU147	614e-b	BO-11-104-41	Flake	ML/GV	142	32	221	6	97	590	33	1291	753	NM	1.82	20.1	45.5
26HU147	621c-a	BO-11-104-36	Flake	ML/GV*	161	36	249	6	94	610	36	NM	NM	NM	NM	20.1	47.7
26HU147	621c-b	BO-11-104-37	Flake	ML/GV*	120	32	228	5	88	567	32	NM	NM	NM	NM	19.9	34.8
26HU147	621c-c	BO-11-104-38	Flake	ML/GV	126	31	220	7	87	573	31	1366	996	NM	1.78	14.9	42.1
26HU147	621c-d	BO-11-104-39	Flake	ML/GV	158	32	246	6	95	607	36	1128	653	NM	1.61	20.5	46.2
26HU147	627	BO-11-104-7	Flake	ML/GV	145	40	255	6	96	612	32	1236	704	NM	1.70	20.1	44.6
26HU147	772	BO-11-104-35	Flake	ML/GV	139	39	239	ND	97	614	37	1581	802	NM	1.94	20.0	39.7
26HU147	981	BO-11-104-65	Flake	ML/GV	121	31	229	7	88	584	35	1535	964	NM	2.17	18.5	45.2

Note: All trace element values reported in parts per million; NM = not measured; ND = not detected; * small sample; ML/GV = Massacre Lake/Guano Valley; WH/DH = Whitehorse/Double H; BS/PP/FM = Bordwell Spring/Pinto Peak/Fox Mountain

Appendix C: X-Ray Fluorescence Data

Site	Artifact Number	Lab Number	Artifact Type	Source	Zn	Pb	Rb	Sr	Y	Zr	Nb	Ti	Mn	Ba	Fe^2O^3	Fe:Mn	Fe:Ti
26HU147	994	BO-11-104-64	Flake	ML/GV	130	35	235	7	91	581	31	1435	598	NM	1.40	19.8	32.2
26HU147	1013	BO-11-104-66	Flake	ML/GV	130	29	230	8	95	595	36	1443	749	NM	1.72	19.1	38.6
26HU147	1023	BO-11-104-63	Flake	Craine Creek	40	24	158	144	22	160	15	920	521	1105	1.24	20.1	44.2
26HU147	1026a	BO-11-104-53	Flake	ML/GV *	125	34	228	7	85	576	29	NM	NM	NM	NM	20.3	43.1
26HU147	1026b	BO-11-104-54	Flake	ML/GV *	150	44	242	7	94	602	30	NM	NM	NM	NM	20.3	45.3
26HU147	1036	BO-11-104-86	Flake	ML/GV	139	36	234	6	99	616	40	1684	994	NM	2.20	18.2	41.9
26HU147	1040	BO-11-104-85	Flake	ML/GV *	138	32	239	7	93	600	37	NM	NM	NM	NM	20.5	44.7
26HU147	1048	BO-11-104-84	Flake	BS/PP/FM	121	42	167	5	59	394	23	665	345	NM	1.96	46.1	92.8
26HU147	1061a	BO-11-104-82	Flake	ML/GV	145	29	226	5	95	588	30	1565	611	NM	1.46	20.1	30.7
26HU147	1061b	BO-11-104-83	Flake	ML/GV *	135	18	205	6	86	542	33	NM	NM	NM	NM	20.4	49.7
26HU147	1228a	BO-11-104-59	Flake	ML/GV *	140	38	238	8	93	590	29	NM	NM	NM	NM	20.6	44.9
26HU147	1228b	BO-11-104-60	Flake	ML/GV	118	29	219	6	84	558	27	1418	891	NM	1.72	16.1	39.3
26HU147	1228c	BO-11-104-61	Flake	ML/GV	131	39	251	ND	89	602	36	1395	890	NM	1.66	15.6	38.6
26HU147	1228d	BO-11-104-62	Flake	ML/GV *	160	39	241	5	95	596	34	NM	NM	NM	NM	19.6	43.8
26HU147	1233a	BO-11-104-55	Flake	ML/GV	136	32	209	15	87	561	33	1280	671	NM	1.52	19.0	38.8
26HU147	1233b	BO-11-104-56	Flake	Badger Creek	38	19	146	87	17	162	12	1061	289	918	0.86	25.9	27.9
26HU147	1233c	BO-11-104-57	Flake	ML/GV	153	30	232	9	88	585	28	1502	847	NM	2.04	19.9	43.7
26HU147	1233d	BO-11-104-58	Flake	ML/GV *	136	31	220	12	86	567	30	NM	NM	NM	NM	19.6	44.5
26HU147	1262a	BO-11-104-51	Flake	ML/GV *	135	23	223	7	90	583	32	NM	NM	NM	NM	20.8	44.0
26HU147	1262b	BO-11-104-52	Flake	ML/GV *	129	37	231	6	88	583	33	NM	NM	NM	NM	21.0	43.7
26HU147	1272a	BO-11-104-81	Flake	ML/GV	122	33	219	ND	97	594	34	1353	751	NM	1.88	20.7	44.7
26HU147	1273b	BO-11-104-80	Flake	ML/GV *	160	31	234	6	98	613	36	NM	NM	NM	NM	21.6	49.4
26HU147	1277a	BO-11-104-79	Flake	ML/GV *	173	30	241	6	92	582	30	NM	NM	NM	NM	20.1	45.5
26HU147	1279	BO-11-104-78	Flake	ML/GV	152	40	250	ND	95	608	33	1405	902	NM	2.01	18.4	45.9
26HU147	1280b	BO-11-104-77	Flake	ML/GV	138	28	230	8	95	599	34	1308	788	NM	2.05	21.4	50.2
26HU147	1282	BO-11-104-76	Flake	ML/GV	129	37	238	7	90	601	35	1292	881	NM	1.67	15.9	42.0
26HU147	1289a	BO-11-104-75	Flake	ML/GV *	146	33	245	6	91	600	32	NM	NM	NM	NM	20.7	47.4
26HU147	1291a	BO-11-104-74	Flake	Craine Creek *	48	24	161	146	24	159	11	NM	NM	NM	NM	30.5	61.8
26HU147	1296a	BO-11-104-73	Flake	ML/GV	111	34	215	7	87	566	28	1237	864	NM	1.73	16.7	45.1
26HU147	2298	BO-11-104-69	Flake	Craine Creek *	59	23	166	144	23	158	13	NM	NM	NM	NM	29.7	70.7
26HU147	1224	BO-12-32-8	Core	Craine Creek	58	18	140	131	19	140	16	NM	NM	1270	NM	NM	NM

Note: All trace element values reported in parts per million; NM = not measured; ND = not detected; * small sample; ML/GV = Massacre Lake/Guano Valley; WH/DH = Whitehorse/Double H; BS/PP/FM = Bordwell Spring/Pinto Peak/Fox Mountain

Appendix C: X-Ray Fluorescence Data

Site	Artifact Number	Lab Number	Artifact Type	Source	Zn	Pb	Rb	Sr	Y	Zr	Nb	Ti	Mn	Ba	Fe^2O^3	Fe:Mn	Fe:Ti
26HU147	1888	BO-12-32-6	Core	ML/GV	127	38	215	6	87	561	30	1582	833	NM	1.82	18.1	37.2
26HU147	2498	BO-12-32-7	Core	ML/GV	125	29	221	9	86	555	29	1604	855	NM	1.90	18.4	38.2
26HU147	2868	BO-12-32-5	Core	WH/DH	101	32	194	6	77	506	28	NM	NM	NM	NM	NM	NM
26HU147	3180	BO-12-32-4	Core	ML/GV	133	37	227	ND	91	571	33	NM	NM	NM	NM	NM	NM
26HU147	3601	BO-12-32-3	Core	WH/DH	114	28	195	5	79	505	31	NM	NM	NM	NM	NM	NM
26HU147	3621	BO-12-32-2	Core	ML/GV	134	28	227	7	86	565	30	1454	844	NM	1.71	16.9	38.1
26HU147	3708	BO-12-32-1	Core	Craine Creek	61	22	159	141	20	159	15	NM	NM	1211	NM	NM	NM
26HU147	1605	BO-12-32-100	Stage 2 Biface	ML/GV	138	30	214	12	86	547	34	1441	665	NM	1.46	18.5	33.4
26HU147	2279	BO-12-32-99	Stage 2 Biface	ML/GV	132	28	217	7	90	557	30	1487	746	NM	1.70	19.0	37.1
26HU147	3314	BO-12-32-96	Stage 2 Biface	Craine Creek	48	20	140	134	21	145	12	NM	NM	1245	NM	NM	NM
26HU147	3614	BO-12-32-98	Stage 2 Biface	ML/GV	131	39	215	6	82	549	30	1549	871	NM	2.13	20.1	44.1
26HU147	3992	BO-12-32-97	Stage 2 Biface	Craine Creek	68	17	151	143	22	157	14	NM	NM	1227	NM	NM	NM
26HU147	129	BO-12-32-86	Stage 3 Biface	Buffalo Hills *	57	29	169	81	24	116	11	NM	NM	NM	NM	NM	NM
26HU147	175	BO-12-32-94	Stage 3 Biface	ML/GV	129	30	206	9	82	538	33	1595	672	NM	1.72	21.3	35.1
26HU147	1106	BO-12-32-78	Stage 3 Biface	WH/DH	154	42	189	5	85	469	27	NM	NM	NM	NM	NM	NM
26HU147	1114	BO-12-32-77	Stage 3 Biface	ML/GV	103	33	221	6	83	554	30	1571	802	NM	1.67	17.4	34.6
26HU147	1963	BO-12-32-92	Stage 3 Biface	ML/GV	133	28	228	7	90	549	34	1656	862	NM	1.76	17.0	34.5
26HU147	2130	BO-12-32-91	Stage 3 Biface	ML/GV	127	36	221	13	90	561	33	1333	761	NM	1.40	15.6	34.6
26HU147	2435	BO-12-32-80	Stage 3 Biface	Craine Creek	66	19	147	139	23	151	13	NM	NM	1230	NM	NM	NM
26HU147	2446	BO-12-32-71	Stage 3 Biface	ML/GV	124	35	225	ND	85	565	35	1323	861	NM	1.97	18.9	47.8
26HU147	2486	BO-12-32-76	Stage 3 Biface	ML/GV*	117	25	220	ND	87	564	29	NM	NM	NM	NM	19.5	30.7
26HU147	2970	BO-12-32-81	Stage 3 Biface	ML/GV	123	35	223	9	91	572	33	NM	NM	NM	NM	NM	NM
26HU147	3128	BO-12-32-93	Stage 3 Biface	ML/GV	130	25	204	7	84	533	30	1595	835	NM	1.80	17.9	36.6
26HU147	3168	BO-12-32-89	Stage 3 Biface	ML/GV	139	41	229	5	89	572	32	NM	NM	NM	NM	NM	NM
26HU147	3285	BO-12-32-75	Stage 3 Biface	ML/GV	117	25	216	7	81	551	31	1609	922	NM	1.81	16.3	36.5
26HU147	3326	BO-12-32-74	Stage 3 Biface	Craine Creek *	53	17	139	130	19	150	11	NM	NM	NM	NM	NM	NM
26HU147	3523	BO-12-32-85	Stage 3 Biface	ML/GV	112	34	220	7	87	556	30	1474	629	NM	1.51	20.1	33.6
26HU147	3527	BO-12-32-84	Stage 3 Biface	ML/GV*	115	31	201	7	88	545	29	NM	NM	NM	NM	17.3	28.6
26HU147	3615	BO-12-32-83	Stage 3 Biface	BS/PP/FM	132	39	159	7	61	378	21	NM	NM	NM	NM	NM	NM
26HU147	3630	BO-12-32-90	Stage 3 Biface	ML/GV	136	31	230	6	92	579	33	NM	NM	NM	NM	NM	NM
26HU147	3676	BO-12-32-82	Stage 3 Biface	ML/GV*	99	31	214	5	84	555	33	NM	NM	NM	NM	17.8	31.6

Note: All trace element values reported in parts per million; NM = not measured; ND = not detected; * small sample; ML/GV = Massacre Lake/Guano Valley; WH/DH = Whitehorse/Double H; BS/PP/FM = Bordwell Spring/Pinto Peak/Fox Mountain

Appendix C: X-Ray Fluorescence Data

Site	Artifact Number	Lab Number	Artifact Type	Source	Zn	Pb	Rb	Sr	Y	Zr	Nb	Ti	Mn	Ba	Fe^2O^3	Fe:Mn	Fe:Ti
26HU147	3799	BO-12-32-73	Stage 3 Biface	ML/GV	134	31	219	8	86	577	33	NM	NM	NM	NM	NM	NM
26HU147	3812	BO-12-32-72	Stage 3 Biface	ML/GV	120	23	208	6	86	541	32	NM	NM	NM	NM	NM	NM
26HU147	3883	BO-12-32-79	Stage 3 Biface	ML/GV	108	30	207	5	81	546	30	1328	733	NM	1.77	20.0	43.1
26HU147	4062	BO-12-32-95	Stage 3 Biface	ML/GV	131	28	210	7	84	543	31	1377	701	NM	1.47	17.6	35.0
26HU147	242	BO-12-32-43	Stage 4 Biface	ML/GV	117	21	207	7	79	559	31	1245	508	NM	0.73	12.9	20.6
26HU147	256	BO-12-32-65	Stage 4 Biface	ML/GV	126	26	218	ND	85	556	32	1547	870	NM	1.67	16.0	35.1
26HU147	288	BO-12-32-66	Stage 4 Biface	ML/GV *	135	28	227	14	87	572	31	NM	NM	NM	NM	NM	NM
26HU147	1070	BO-12-32-44	Stage 4 Biface	ML/GV *	123	24	222	5	83	557	28	NM	NM	NM	NM	20.1	45.1
26HU147	1575	BO-12-32-69	Stage 4 Biface	ML/GV *	115	30	207	ND	81	538	29	NM	NM	NM	NM	20.3	47.0
26HU147	1784	BO-12-32-68	Stage 4 Biface	Buffalo Hills *	46	30	161	84	23	122	12	NM	NM	NM	NM	NM	NM
26HU147	1845	BO-12-32-67	Stage 4 Biface	ML/GV	156	30	209	7	92	575	33	NM	NM	NM	NM	NM	NM
26HU147	2267	BO-12-32-64	Stage 4 Biface	ML/GV	127	23	217	15	83	551	32	1395	566	NM	1.36	20.2	32.1
26HU147	2455	BO-12-32-42	Stage 4 Biface	BS/PP/FM *	92	26	147	7	52	337	20	NM	NM	NM	NM	NM	NM
26HU147	3071	BO-12-32-58	Stage 4 Biface	ML/GV	122	27	217	9	85	564	33	1535	634	NM	1.49	19.7	31.8
26HU147	3170	BO-12-32-53	Stage 4 Biface	WH/DH	141	44	196	7	71	452	26	NM	NM	NM	NM	NM	NM
26HU147	3209	BO-12-32-51	Stage 4 Biface	ML/GV	129	29	210	ND	87	570	33	NM	NM	NM	NM	NM	NM
26HU147	3282	BO-12-32-45	Stage 4 Biface	BS/PP/FM *	161	33	167	10	60	403	24	NM	NM	NM	NM	NM	NM
26HU147	3315	BO-12-32-47	Stage 4 Biface	BS/PP/FM	133	36	174	5	65	404	18	NM	NM	NM	NM	NM	NM
26HU147	3412	BO-12-32-41	Stage 4 Biface	ML/GV *	128	35	215	7	85	547	32	NM	NM	NM	NM	15.9	22.6
26HU147	3550	BO-12-32-56	Stage 4 Biface	ML/GV *	119	35	213	5	89	561	35	NM	NM	NM	NM	16.1	30.8
26HU147	3566	BO-12-32-55	Stage 4 Biface	ML/GV	103	37	214	14	88	555	28	1497	739	NM	1.68	18.9	36.4
26HU147	3636	BO-12-32-62	Stage 4 Biface	ML/GV	119	28	211	5	86	553	34	1818	943	NM	2.02	17.7	35.9
26HU147	3638	BO-12-32-52	Stage 4 Biface	Craine Creek	59	10	160	146	20	155	15	NM	NM	1246	NM	NM	NM
26HU147	3669	BO-12-32-50	Stage 4 Biface	ML/GV *	132	34	201	9	87	566	32	NM	NM	NM	NM	16.7	28.2
26HU147	3716	BO-12-32-48	Stage 4 Biface	ML/GV	123	31	230	5	89	579	35	NM	NM	NM	NM	NM	NM
26HU147	3728	BO-12-32-49	Stage 4 Biface	ML/GV	135	30	215	5	90	557	27	1600	779	NM	1.90	20.2	38.3
26HU147	3963	BO-12-32-54	Stage 4 Biface	Craine Creek *	35	14	143	130	20	153	15	NM	NM	NM	NM	NM	NM
26HU147	3971	BO-12-32-57	Stage 4 Biface	ML/GV *	128	34	225	6	92	574	33	NM	NM	NM	NM	NM	NM
26HU147	3979	BO-12-32-46	Stage 4 Biface	ML/GV *	136	36	209	10	88	549	30	NM	NM	NM	NM	19.1	45.1
26HU147	4045	BO-12-32-60	Stage 4 Biface	ML/GV	124	32	216	10	85	556	35	1305	775	NM	1.84	19.7	45.5
26HU147	4052	BO-12-32-70	Stage 4 Biface	ML/GV *	121	39	221	8	89	573	34	NM	NM	NM	NM	NM	NM

Note: All trace element values reported in parts per million; NM = not measured; ND = not detected; * small sample; ML/GV = Massacre Lake/Guano Valley; WH/DH = Whitehorse/Double H; BS/PP/FM = Bordwell Spring/Pinto Peak/Fox Mountain

Appendix C: X-Ray Fluorescence Data

Site	Artifact Number	Lab Number	Artifact Type	Source	Zn	Pb	Rb	Sr	Y	Zr	Nb	Ti	Mn	Ba	Fe^2O^3	Fe:Mn	Fe:Ti
26HU147	4055	BO-12-32-61	Stage 4 Biface	Craine Creek	53	21	156	136	20	154	13	NM	NM	1256	NM	NM	NM
26HU147	4059	BO-12-32-59	Stage 4 Biface	BS/PP/FM *	129	28	159	5	59	363	19	NM	NM	NM	NM	NM	NM
26HU147	1039	BO-12-32-37	Stage 5 Biface	ML/GV *	137	39	234	7	87	576	34	NM	NM	NM	NM	NM	NM
26HU147	1731	BO-12-32-39	Stage 5 Biface	ML/GV *	150	33	238	9	91	577	34	NM	NM	NM	NM	20.3	47.0
26HU147	2103	BO-12-32-40	Stage 5 Biface	ML/GV	120	22	203	6	87	552	30	1457	677	NM	1.73	21.3	38.6
26HU147	2431	BO-12-32-33	Stage 5 Biface	ML/GV	117	31	205	6	84	533	29	1570	676	NM	1.69	20.8	35.0
26HU147	2475	BO-12-32-38	Stage 5 Biface	ML/GV *	134	35	233	5	90	576	33	NM	NM	NM	NM	19.8	29.1
26HU147	2488	BO-12-32-25	Stage 5 Biface	ML/GV	82	33	208	5	81	551	33	1688	810	NM	1.62	16.7	31.4
26HU147	2573	BO-12-32-34	Stage 5 Biface	BS/PP/FM	134	30	161	8	57	338	17	NM	NM	NM	NM	NM	NM
26HU147	2788	BO-12-32-36	Stage 5 Biface	ML/GV	141	37	210	10	80	542	32	1372	674	NM	1.38	17.2	33.0
26HU147	2829	BO-12-32-35	Stage 5 Biface	Coyote Spring FGV	27	19	185	82	27	173	16	NM	NM	557	NM	NM	NM
26HU147	3160	BO-12-32-28	Stage 5 Biface	ML/GV	111	29	210	7	83	547	27	1711	808	NM	1.98	20.3	37.4
26HU147	3241	BO-12-32-22	Stage 5 Biface	ML/GV *	108	29	217	8	86	553	30	NM	NM	NM	NM	20.0	32.9
26HU147	3268	BO-12-32-24	Stage 5 Biface	Buffalo Hills	52	28	156	100	27	129	14	NM	NM	954	NM	NM	NM
26HU147	3524	BO-12-32-31	Stage 5 Biface	WH/DH	124	36	202	6	72	442	23	NM	NM	NM	NM	NM	NM
26HU147	3553	BO-12-32-30	Stage 5 Biface	ML/GV *	141	26	214	9	89	562	30	NM	NM	NM	NM	17.9	34.8
26HU147	3555	BO-12-32-29	Stage 5 Biface	WH/DH	162	33	199	10	85	493	22	NM	NM	NM	NM	NM	NM
26HU147	3593	BO-12-32-32	Stage 5 Biface	WH/DH	174	28	212	8	90	497	27	NM	NM	NM	NM	NM	NM
26HU147	3671	BO-12-32-27	Stage 5 Biface	ML/GV	127	33	202	5	90	567	31	1703	1032	NM	2.35	18.7	44.0
26HU147	3750	BO-12-32-26	Stage 5 Biface	ML/GV	121	26	213	6	85	555	29	1612	775	NM	1.84	19.7	37.0
26HU147	3780	BO-12-32-21	Stage 5 Biface	BS/PP/FM	118	33	157	7	56	336	21	NM	NM	NM	NM	NM	NM
26HU147	3804	BO-12-32-23	Stage 5 Biface	ML/GV *	119	33	224	6	86	562	32	NM	NM	NM	NM	19.8	38.2
26HU147	269	BO-06-120-11	Rosegate	ML/GV *	109	31	223	11	89	561	29	NM	NM	NM	NM	18.0	43.6
26HU147	331	BO-06-120-17	Elko Corner-notched	ML/GV	134	36	218	8	92	577	34	1609	895	NM	1.76	16.4	36.8
26HU147	619	BO-12-32-9	Rosegate	ML/GV *	144	35	220	10	84	548	33	NM	NM	NM	NM	20.1	23.0
26HU147	985	BO-12-32-10	Rosegate	WH/DH *	181	36	217	12	91	515	27	NM	NM	NM	NM	40.3	51.4
26HU147	1073	BO-11-104-1	Humboldt Concave Base	ML/GV	136	30	231	7	91	579	31	1405	1013	NM	1.92	15.7	44.1
26HU147	1115	BO-11-104-2	Gatecliff Split Stem	ML/GV	122	40	217	ND	82	548	33	1402	998	NM	1.87	15.5	42.9
26HU147	2877	BO-12-32-18	Desert Side-notched	WH/DH *	136	40	207	11	75	463	24	NM	NM	NM	NM	NM	NM
26HU147	3446	BO-11-104-3	Elko Eared	ML/GV	127	18	217	7	86	567	29	1428	1019	NM	1.98	16.1	44.7
26HU147	3449	BO-06-120-33	Humboldt Concave Base	ML/GV *	138	35	207	8	86	544	29	NM	NM	NM	NM	14.1	35.6

Note: All trace element values reported in parts per million; NM = not measured; ND = not detected; * small sample; ML/GV = Massacre Lake/Guano Valley; WH/DH = Whitehorse/Double H; BS/PP/FM = Bordwell Spring/Pinto Peak/Fox Mountain

Appendix C: X-Ray Fluorescence Data

Site	Artifact Number	Lab Number	Artifact Type	Source	Zn	Pb	Rb	Sr	Y	Zr	Nb	Ti	Mn	Ba	Fe^2O^3	Fe:Mn	Fe:Ti
26HU147	3450	BO-06-120-35	Humboldt Concave Base	ML/GV	134	16	239	13	86	555	28	1344	1002	NM	1.66	13.8	41.4
26HU147	3451	BO-06-120-3	Cottonwood	Craine Creek *	44	18	155	141	20	154	11	NM	NM	NM	NM	28.9	53.8
26HU147	3452	BO-06-120-27	Gatecliff Split Stem	ML/GV	107	28	217	10	85	544	29	1539	796	NM	1.95	20.4	42.4
26HU147	3453	BO-12-32-101	Gatecliff Contracting Stem	Coyote Spring FGV	-	-	-	-	-	-	-	-	-	-	-	-	-
26HU147	3454	BO-06-120-1	Cottonwood	Craine Creek *	51	26	153	146	18	151	12	NM	NM	NM	NM	28.7	61.8
26HU147	3457	BO-06-120-9	Rosegate	ML/GV *	145	27	223	11	89	571	29	NM	NM	NM	NM	21.2	42.6
26HU147	3458	BO-06-120-12	Rosegate	ML/GV *	130	29	211	9	89	560	30	NM	NM	NM	NM	21.0	44.2
26HU147	3463	BO-06-120-30	Elko Eared	Burns	40	22	114	37	44	253	28	1207	369	578	1.20	27.9	33.9
26HU147	3464	BO-06-120-23	Elko Eared	ML/GV	138	30	214	13	90	566	31	1507	825	NM	1.97	19.9	43.8
26HU147	3465	BO-06-120-25	Elko Eared	ML/GV	139	31	219	9	90	569	31	1701	821	NM	1.81	18.5	35.9
26HU147	3466	BO-06-120-34	Humboldt Concave Base	ML/GV *	140	28	204	8	88	561	28	NM	NM	NM	NM	21.8	50.0
26HU147	3467	BO-06-120-31	Gatecliff Contracting Stem	Craine Creek	61	18	152	142	18	148	11	866	637	1226	1.28	17.1	49.6
26HU147	3468	BO-06-120-26	Gatecliff Split Stem	Craine Creek	62	16	161	141	17	152	13	737	374	1253	1.32	30.2	59.7
26HU147	3469	BO-06-120-36	Gatecliff Split Stem	ML/GV	123	29	231	10	92	584	29	1557	868	NM	1.70	16.4	36.8
26HU147	3472	BO-06-120-15	Rosegate	ML/GV *	135	25	224	8	87	576	32	NM	NM	NM	NM	21.0	42.7
26HU147	3474	BO-06-120-16	Rosegate	ML/GV *	138	31	225	8	92	577	30	NM	NM	NM	NM	18.6	36.4
26HU147	3475	BO-06-120-13	Rosegate	ML/GV *	155	34	203	11	86	552	30	NM	NM	NM	NM	18.0	34.3
26HU147	3479	BO-12-32-15	Elko Eared	ML/GV *	124	43	226	7	85	565	31	NM	NM	NM	NM	20.0	46.2
26HU147	3480	BO-06-120-22	Elko Eared	ML/GV	135	35	193	18	90	550	32	1516	630	NM	1.53	20.5	34.1
26HU147	3481	BO-06-120-24	Elko Eared	ML/GV *	114	31	212	9	83	557	30	NM	NM	NM	NM	18.7	32.2
26HU147	3482	BO-06-120-28	Elko Eared	ML/GV *	130	28	210	8	89	560	28	NM	NM	NM	NM	21.5	43.6
26HU147	3483	BO-06-120-21	Elko Corner-notched	WH/DH-BS/PP/FM *	151	42	191	9	70	449	19	NM	NM	NM	NM	62.7	83.8
26HU147	3484	BO-06-120-18	Elko Corner-notched	ML/GV	118	33	221	11	90	572	33	1460	863	NM	2.01	19.4	46.0
26HU147	3490	BO-12-32-19	Desert Side-notched	ML/GV *	149	30	226	10	87	549	33	NM	NM	NM	NM	19.2	44.1
26HU147	3492	BO-06-120-4	Desert Side-notched	Paradise Valley *	NM	NM	422	13	77	89	14	NM	NM	NM	NM	45.5	48.2
26HU147	3494	BO-06-120-6	Desert Side-notched	Dog Hill	146	47	125	12	87	645	46	NM	NM	NM	NM	34.1	44.7
26HU147	3496	BO-06-120-5	Desert Side-notched	WH/DH-BS/PP/FM *	NM	NM	182	10	70	425	20	NM	NM	NM	NM	59.5	65.5
26HU147	3497	BO-12-32-20	Desert Side-notched	ML/GV *	125	33	224	7	88	547	27	NM	NM	NM	NM	19.5	23.7
26HU147	3499	BO-12-32-11	Rosegate	ML/GV *	99	25	212	6	84	556	32	NM	NM	NM	NM	20.1	42.4
26HU147	3500	BO-06-120-32	Gatecliff Split Stem	ML/GV	113	29	210	11	87	550	27	1579	812	NM	1.96	20.1	41.6
26HU147	3502	BO-12-32-12	Rosegate	WH/DH *	188	39	199	9	94	501	31	NM	NM	NM	NM	NM	NM

Note: All trace element values reported in parts per million; NM = not measured; ND = not detected; * small sample; ML/GV = Massacre Lake/Guano Valley; WH/DH = Whitehorse/Double H; BS/PP/FM = Bordwell Spring/Pinto Peak/Fox Mountain

Appendix C: X-Ray Fluorescence Data

Site	Artifact Number	Lab Number	Artifact Type	Source	Zn	Pb	Rb	Sr	Y	Zr	Nb	Ti	Mn	Ba	Fe^2O^3	Fe:Mn	Fe:Ti
26HU147	3503	BO-06-120-10	Rosegate	ML/GV	122	35	210	ND	91	565	27	1514	780	NM	1.97	21.0	43.5
26HU147	3506	BO-06-120-14	Rosegate	Craine Creek *	58	19	145	137	22	142	14	NM	NM	1210	NM	23.8	56.8
26HU147	3507	BO-12-32-16	Elko Eared	ML/GV *	131	32	189	10	87	545	31	NM	NM	NM	NM	19.4	31.1
26HU147	3508	BO-11-104-4	Elko Eared	ML/GV	126	33	248	5	92	601	32	1395	720	NM	1.71	19.8	39.8
26HU147	3510	BO-06-120-29	Elko Eared	ML/GV *	155	29	210	11	92	580	32	NM	NM	NM	NM	21.9	48.8
26HU147	3511	BO-06-120-19	Elko Corner-notched	ML/GV *	119	33	223	9	90	569	31	NM	NM	NM	NM	21.1	35.2
26HU147	3960	BO-12-32-17	Elko Corner-notched	ML/GV *	122	31	209	ND	86	560	30	NM	NM	NM	NM	20.2	45.8
26HU147	3994	BO-11-104-5	Cottonwood	ML/GV *	118	32	216	7	90	570	28	NM	NM	NM	NM	19.3	34.9
26HU147	3995	BO-06-120-7	Desert Side-notched	ML/GV *	94	26	219	8	87	571	34	NM	NM	NM	NM	21.0	44.0
26HU147	4071	BO-06-120-2	Cottonwood	ML/GV *	117	42	218	9	87	566	30	NM	NM	NM	NM	21.1	45.3
26HU147	4073	BO-06-120-8	Desert Side-notched	Paradise Valley *	56	37	374	9	79	80	16	NM	NM	NM	NM	60.2	103.5
26HU147	4074	BO-12-32-14	Rosegate	WH/DH *	150	40	195	9	82	458	28	NM	NM	NM	NM	NM	NM
26HU147	4075	BO-06-120-20	Elko Eared	ML/GV *	126	31	218	9	91	569	30	NM	NM	NM	NM	20.9	36.6
26WA1502	6	-	Cottonwood	ML/GV	NM	NM	226	2	102	609	35	NM	NM	NM	NM	24.0	NM
26WA1502	10	-	Desert Side-notched	Fox Mountain	NM	NM	175	4	67	388	20	NM	NM	NM	NM	52.0	NM
26WA1502	15	-	Desert Side-notched	ML/GV	NM	NM	199	91	32	171	15	NM	NM	589	1.39	27.0	NM
26WA1502	17	-	Rosegate	ML/GV	NM	NM	230	0	102	600	36	NM	NM	NM	2.20	23.0	NM
26WA1502	22	-	Elko Eared	ML/GV	NM	NM	202	0	97	580	33	NM	NM	NM	2.14	21.0	NM
26WA1502	34	-	Elko Eared	Fox Mountain	NM	NM	168	0	67	397	19	NM	NM	NM	2.51	48.0	NM
26WA1502	35	-	Rosegate	Beatys Butte	NM	NM	134	181	15	155	10	NM	NM	975	1.36	26.0	NM
26WA1502	84	-	Desert Side-notched	ML/GV	NM	NM	218	0	100	606	34	NM	NM	NM	NM	23.0	NM
26WA1502	99	-	Rosegate	ML/GV	NM	NM	233	0	103	636	34	NM	NM	0	NM	20.0	NM
26WA1502	100	-	Rosegate	Beatys Butte	NM	NM	135	185	15	164	10	NM	NM	1011	1.55	26.0	NM
26WA1502	148	-	Cottonwood	ML/GV	NM	NM	188	82	34	167	16	NM	NM	576	1.32	22.0	NM
26WA1502	151	-	Cottonwood	ML/GV	NM	NM	189	90	34	175	19	NM	NM	619	1.45	25.0	NM
26WA1502	168	-	Cottonwood	ML/GV	NM	NM	200	95	33	184	18	NM	NM	624	1.38	28.0	NM
26WA1502	169	-	Desert Side-notched	ML/GV	NM	NM	227	3	105	627	33	NM	NM	0	NM	22.0	NM
26WA1502	217	-	Undifferential Elko	WH/DH	NM	NM	191	3	99	497	28	NM	NM	7	3.48	68.0	NM
26WA1502	218	-	Elko Eared	Unknown A	NM	NM	154	5	70	469	50	NM	NM	NM	2.14	32.0	NM
26WA1502	222	-	Elko Eared	ML/GV	NM	NM	195	3	94	586	31	NM	NM	NM	2.03	22.0	NM
26WA1502	226	-	Rosegate	ML/GV	NM	NM	225	0	105	625	33	NM	NM	NM	NM	22.0	NM

Note: All trace element values reported in parts per million; NM = not measured; ND = not detected; * small sample; ML/GV = Massacre Lake/Guano Valley; WH/DH = Whitehorse/Double H; BS/PP/FM = Bordwell Spring/Pinto Peak/Fox Mountain

Appendix C: X-Ray Fluorescence Data

Site	Artifact Number	Lab Number	Artifact Type	Source	Zn	Pb	Rb	Sr	Y	Zr	Nb	Ti	Mn	Ba	Fe^2O^3	Fe:Mn	Fe:Ti
26WA1502	244	-	Desert Side-notched	ML/GV	NM	NM	213	3	99	598	33	NM	NM	NM	NM	24.0	NM
26WA1502	245	-	Desert Side-notched	ML/GV	NM	NM	228	0	105	625	35	NM	NM	NM	NM	22.0	NM
26WA1502	386	-	Elko Corner-notched	ML/GV	NM	NM	206	0	100	579	35	NM	NM	NM	NM	23.0	NM
26WA1502	388	-	Desert Side-notched	ML/GV	NM	NM	225	3	103	621	36	NM	NM	NM	NM	24.0	NM
26WA1502	429	-	Elko Eared	ML/GV	NM	NM	192	0	100	583	32	NM	NM	9	NM	22.0	NM
26WA1502	530	-	Elko Eared	Buck Mountain	NM	NM	110	69	20	87	14	NM	NM	642	0.85	19.0	NM
26WA1502	547	-	Elko Eared	ML/GV	NM	NM	195	0	95	585	32	NM	NM	NM	2.13	23.0	NM
26WA1502	570	-	Undiagnostic Dart	Hawk's Valley	NM	NM	235	25	49	142	31	NM	NM	79	1.11	21.0	NM
26WA1502	577	-	Rosegate	ML/GV	NM	NM	223	9	101	592	33	NM	NM	NM	NM	24.0	NM
26WA1502	607	-	Cottonwood	ML/GV	NM	NM	222	0	105	612	32	NM	NM	NM	NM	24.0	NM
26WA1502	608	-	Desert Side-notched	ML/GV	NM	NM	217	0	103	593	35	NM	NM	NM	NM	22.0	NM
26WA1502	613	-	Cottonwood	ML/GV	NM	NM	202	93	34	189	19	NM	NM	631	NM	27.0	NM
26WA1502	632	-	Elko Eared	Buck Mountain	NM	NM	116	72	18	94	12	NM	NM	632	0.92	18.0	NM
26WA1502	714	-	Undiagnostic Dart	Long Valley	NM	NM	194	0	102	684	80	NM	NM	NM	2.62	55.0	NM
26WA1502	716	-	Undifferential Elko	Craine Creek	NM	NM	144	148	22	140	15	NM	NM	1350	1.45	32.0	NM
26WA1502	742	-	Undifferential Elko	ML/GV	NM	NM	232	0	108	623	38	NM	NM	NM	NM	23.0	NM
26WA1502	765	-	Elko Corner-notched	Craine Creek	NM	NM	151	148	20	148	15	NM	NM	1405	1.49	29.0	NM
26WA1502	767	-	Elko Corner-notched	ML/GV	NM	NM	215	4	100	605	32	NM	NM	NM	2.32	22.0	NM
26WA1502	792	-	Elko Eared	ML/GV	NM	NM	215	0	104	596	30	NM	NM	NM	NM	23.0	NM
26WA1502	793	-	Elko Eared	ML/GV	NM	NM	203	2	102	581	35	NM	NM	NM	NM	22.0	NM
26WA1502	820	-	Rosegate	ML/GV	NM	NM	206	0	98	588	33	NM	NM	NM	2.26	22.0	NM
26WA1502	831	-	Undifferential Gatecliff	Sugar Hill	NM	NM	132	55	25	111	11	NM	NM	640	0.96	25.0	NM
26WA1502	848	-	Cottonwood	Buffalo Hills	NM	NM	161	87	27	104	13	NM	NM	1032	0.88	11.0	NM
26WA1502	854	-	Desert Side-notched	ML/GV	NM	NM	199	92	36	170	17	NM	NM	618	1.43	27.0	NM
26WA1502	863	-	Undifferential Elko	Craine Creek	NM	NM	154	157	21	148	13	NM	NM	1375	1.57	31.0	NM
26WA1502	874	-	Gatecliff Split Stem	Unknown E	NM	NM	172	9	71	240	18	NM	NM	54	2.03	47.0	NM
26WA1502	876	-	Gatecliff Split Stem	ML/GV	NM	NM	195	0	97	588	34	NM	NM	NM	2.18	22.0	NM
26WA1502	884	-	Undifferential Elko	Badger Creek	NM	NM	139	83	18	144	10	NM	NM	1028	0.97	28.0	NM
26WA1502	894	-	Elko Corner-notched	ML/GV	NM	NM	217	0	107	606	33	NM	NM	NM	NM	21.0	NM
26WA1502	926	-	Elko Eared	Unknown E	NM	NM	179	16	74	243	21	NM	NM	79	2.29	49.0	NM
26WA1502	933	-	Undifferential Elko	ML/GV	NM	NM	193	81	33	167	18	NM	NM	562	NM	27.0	NM

Note: All trace element values reported in parts per million; NM = not measured; ND = not detected; * small sample; ML/GV = Massacre Lake/Guano Valley; WH/DH = Whitehorse/Double H; BS/PP/FM = Bordwell Spring/Pinto Peak/Fox Mountain

Appendix C: X-Ray Fluorescence Data

Site	Artifact Number	Lab Number	Artifact Type	Source	Zn	Pb	Rb	Sr	Y	Zr	Nb	Ti	Mn	Ba	Fe^2O^3	Fe:Mn	Fe:Ti
26WA1502	965	-	Elko Corner-notched	ML/GV	NM	NM	221	4	98	602	31	NM	NM	NM	NM	22.0	NM
26WA1502	981	-	Undifferential Elko	Badger Creek	NM	NM	138	83	20	142	11	NM	NM	1079	0.94	27.0	NM
26WA1502	994	-	Undiagnostic Dart	Fox Mountain	NM	NM	155	15	64	388	23	NM	NM	NM	2.24	45.0	NM
26WA1502	997	-	Gatecliff Split Stem	Fox Mountain	NM	NM	162	0	66	392	21	NM	NM	NM	2.41	48.0	NM
26WA1502	1012	-	Undifferential Elko	ML/GV	NM	NM	210	8	99	598	32	NM	NM	NM	2.42	20.0	NM
26WA1502	1088	-	Rosegate	Buck Mountain	NM	NM	110	75	31	95	11	NM	NM	640	0.93	18.0	NM
26WA1502	1157	-	Rosegate	ML/GV	NM	NM	235	0	105	630	40	NM	NM	0	NM	21.0	NM
26WA1502	1175	-	Rosegate	ML/GV	NM	NM	207	0	106	610	34	NM	NM	NM	NM	22.0	NM
26WA1502	1178	-	Cottonwood	Unknown # 1	NM	NM	233	4	99	485	34	NM	NM	1	1.68	20.0	NM
26WA1502	1215	-	Gatecliff Split Stem	ML/GV	NM	NM	225	0	98	589	33	NM	NM	NM	2.13	21.0	NM
26WA1502	1226	-	Elko Eared	Badger Creek	NM	NM	140	92	18	156	13	NM	NM	1098	NM	26.0	NM
26WA1502	1235	-	Undiagnostic Dart	ML/GV	NM	NM	192	3	94	588	34	NM	NM	NM	2.14	21.0	NM
26WA1502	1329	-	Undifferential Elko	ML/GV	NM	NM	211	3	102	593	34	NM	NM	NM	NM	22.0	NM
26WA1502	1330	-	Elko Eared	ML/GV	NM	NM	210	3	101	587	33	NM	NM	NM	2.17	22.0	NM
26WA1502	1334	-	Cottonwood	ML/GV	NM	NM	219	3	96	612	35	NM	NM	NM	NM	21.0	NM
26WA1502	1336	-	Desert Side-notched	ML/GV	NM	NM	214	0	103	592	33	NM	NM	NM	NM	23.0	NM
26WA1502	1341	-	Desert Side-notched	ML/GV	NM	NM	231	0	102	633	36	NM	NM	NM	NM	21.0	NM
26WA1502	1348	-	Desert Side-notched	ML/GV	NM	NM	221	0	102	599	32	NM	NM	NM	NM	24.0	NM
26WA1502	1386	-	Gatecliff Split Stem	ML/GV	NM	NM	209	3	98	579	34	NM	NM	NM	2.13	21.0	NM
26WA1502	1474	-	Cottonwood	Unknown # 1	NM	NM	237	4	100	487	31	NM	NM	NM	NM	20.0	NM
26WA1502	1533	-	Elko Corner-notched	Bordwell Spring	NM	NM	163	2	70	402	25	NM	NM	NM	2.30	57.0	NM
26WA1502	1536	-	Elko Corner-notched	ML/GV	NM	NM	209	8	99	579	31	NM	NM	NM	2.30	22.0	NM
26WA1502	1569	-	Elko Corner-notched	Craine Creek	NM	NM	139	158	21	159	11	NM	NM	1336	1.57	32.0	NM
26WA1502	1595	-	Desert Side-notched	ML/GV	NM	NM	214	91	34	178	19	NM	NM	544	1.40	28.0	NM
26WA1502	1604	-	Cottonwood	ML/GV	NM	NM	229	0	100	615	34	NM	NM	NM	NM	21.0	NM
26WA1502	2027	-	Rosegate	ML/GV	NM	NM	180	83	31	171	19	NM	NM	611	NM	28.0	NM
26WA1502	2028	-	Rosegate	Craine Creek	NM	NM	145	145	19	143	13	NM	NM	1346	1.37	31.0	NM
26WA1502	2029	-	Elko Eared	ML/GV	NM	NM	220	11	102	597	34	NM	NM	NM	NM	20.0	NM
26WA1502	2050	-	Elko Eared	ML/GV	NM	NM	200	3	98	584	32	NM	NM	NM	NM	21.0	NM
26WA1502	2071	-	Desert Side-notched	ML/GV	NM	NM	192	93	32	173	17	NM	NM	606	1.36	24.0	NM
26WA1502	2158	-	Desert Side-notched	ML/GV	NM	NM	216	7	96	595	36	NM	NM	NM	2.19	22.0	NM

Note: All trace element values reported in parts per million; NM = not measured; ND = not detected; * small sample; ML/GV = Massacre Lake/Guano Valley; WH/DH = Whitehorse/Double H; BS/PP/FM = Bordwell Spring/Pinto Peak/Fox Mountain

Appendix C: X-Ray Fluorescence Data

Site	Artifact Number	Lab Number	Artifact Type	Source	Zn	Pb	Rb	Sr	Y	Zr	Nb	Ti	Mn	Ba	Fe^2O^3	Fe:Mn	Fe:Ti
26WA1502	2178	-	Rosegate	ML/GV	NM	NM	220	3	100	605	33	NM	NM	NM	NM	21.0	NM
26WA1502	2182	-	Desert Side-notched	Buck Mountain	NM	NM	109	70	19	96	11	NM	NM	656	0.84	20.0	NM
26WA1502	2224	-	Elko Eared	ML/GV	NM	NM	207	0	96	585	31	NM	NM	NM	NM	21.0	NM
26WA1502	2225	-	Elko Eared	Long Valley	NM	NM	197	3	102	698	78	NM	NM	4	2.50	53.0	NM
26WA1502	2263	-	Cottonwood	ML/GV	NM	NM	183	88	34	170	20	NM	NM	542	1.38	25.0	NM
26WA1502	2264	-	Desert Side-notched	ML/GV	NM	NM	187	85	36	165	18	NM	NM	602	NM	26.0	NM
26WA1502	2267	-	Elko Eared	Fox Mountain	NM	NM	165	8	65	381	20	NM	NM	NM	2.27	47.0	NM
26WA1502	2272	-	Cottonwood	ML/GV	NM	NM	199	94	34	188	20	NM	NM	617	1.29	28.0	NM
26WA1502	2273	-	Elko Eared	ML/GV	NM	NM	192	3	99	585	34	NM	NM	NM	NM	22.0	NM
26WA1502	2274	-	Gatecliff Split Stem	ML/GV	NM	NM	213	0	96	583	35	NM	NM	NM	NM	24.0	NM
26WA1502	2277	-	Desert Side-notched	WH/DH	NM	NM	195	0	99	501	29	NM	NM	19	3.82	63.0	NM
26WA1502	2278	-	Desert Side-notched	ML/GV	NM	NM	184	84	33	164	18	NM	NM	600	1.38	27.0	NM
26WA1502	2285	-	Rosegate	ML/GV	NM	NM	195	8	94	593	31	NM	NM	NM	2.06	22.0	NM
26WA1502	2325	-	Elko Eared	Pinto Peak	NM	NM	190	2	78	469	21	NM	NM	NM	2.03	73.0	NM
26WA1502	2356	-	Rosegate	Buck Mountain	NM	NM	116	71	18	97	11	NM	NM	652	0.92	18.0	NM
26WA1502	2357	-	Undiagnostic Dart	ML/GV	NM	NM	221	0	98	608	35	NM	NM	NM	NM	22.0	NM
26WA1502	2390	-	Elko Eared	Beatys Butte	NM	NM	117	168	17	148	10	NM	NM	968	NM	28.0	NM
26WA1502	2392	-	Rosegate	Craine Creek	NM	NM	149	145	20	142	14	NM	NM	1411	1.38	31.0	NM
26WA1502	2402	-	Undifferential Elko	ML/GV	NM	NM	229	3	103	621	33	NM	NM	4	NM	21.0	NM
26WA1502	2403	-	Elko Eared	ML/GV	NM	NM	218	0	102	599	34	NM	NM	NM	NM	21.0	NM
26WA1502	2404	-	Cottonwood	ML/GV	NM	NM	210	84	37	176	20	NM	NM	578	1.30	28.0	NM
26WA1502	2405	-	Gatecliff Split Stem	ML/GV	NM	NM	216	0	102	588	33	NM	NM	NM	NM	23.0	NM
26WA1502	2439	-	Cottonwood	ML/GV	NM	NM	225	0	99	603	35	NM	NM	NM	NM	22.0	NM
26WA1502	2461	-	Cottonwood	ML/GV	NM	NM	230	3	105	630	34	NM	NM	NM	NM	20.0	NM
26WA1502	2474	-	Desert Side-notched	Unknown	NM	NM	105	178	27	92	12	NM	NM	967	1.51	19.0	NM
26WA1502	2491	-	Undifferential Elko	Badger Creek	NM	NM	152	93	20	152	11	NM	NM	1031	NM	28.0	NM
26WA1502	2521	-	Cottonwood	ML/GV	NM	NM	178	87	31	169	18	NM	NM	645	NM	27.0	NM
26WA1502	2525	-	Desert Side-notched	ML/GV	NM	NM	224	0	104	609	35	NM	NM	NM	NM	23.0	NM
26WA1502	2526	-	Elko Corner-notched	Pinto Peak	NM	NM	184	0	80	456	18	NM	NM	NM	1.94	69.0	NM
26WA1502	2539	-	Elko Corner-notched	ML/GV	NM	NM	210	0	102	591	30	NM	NM	NM	NM	22.0	NM
26WA1502	2567	-	Desert Side-notched	ML/GV	NM	NM	219	3	103	597	32	NM	NM	NM	NM	22.0	NM

Note: All trace element values reported in parts per million; NM = not measured; ND = not detected; * small sample; ML/GV = Massacre Lake/Guano Valley; WH/DH = Whitehorse/Double H; BS/PP/FM = Bordwell Spring/Pinto Peak/Fox Mountain

Appendix C: X-Ray Fluorescence Data

Site	Artifact Number	Lab Number	Artifact Type	Source	Zn	Pb	Rb	Sr	Y	Zr	Nb	Ti	Mn	Ba	Fe^2O^3	Fe:Mn	Fe:Ti
26WA1502	2706	-	Cottonwood	ML/GV	NM	NM	188	88	33	170	19	NM	NM	572	NM	29.0	NM
26WA1502	2757	-	Desert Side-notched	Surveyor Spring	NM	NM	174	37	28	137	11	NM	NM	273	1.23	36.0	NM
26WA1502	2769	-	Desert Side-notched	ML/GV	NM	NM	191	90	36	176	18	NM	NM	633	1.36	25.0	NM
26WA1502	2770	-	Desert Side-notched	ML/GV	NM	NM	185	91	33	181	20	NM	NM	643	1.33	23.0	NM
26WA1502	2771	-	Desert Side-notched	Unknown # 1	NM	NM	227	8	97	477	32	NM	NM	NM	1.56	18.0	NM
26WA1502	2773	-	Desert Side-notched	ML/GV	NM	NM	231	8	102	599	34	NM	NM	NM	2.10	20.0	NM
26WA1502	2781	-	Cottonwood	ML/GV	NM	NM	230	0	104	626	33	NM	NM	NM	NM	21.0	NM
26WA1502	2792	-	Elko Eared	ML/GV	NM	NM	230	6	102	583	35	NM	NM	10	2.08	20.0	NM
26WA1502	2824	-	Gatecliff Split Stem	Jess Valley	NM	NM	115	20	44	248	13	NM	NM	396	1.54	20.0	NM
26WA1502	2861	-	Elko Eared	ML/GV	NM	NM	230	9	100	624	36	NM	NM	NM	NM	22.0	NM
26WA1502	2883	-	Cottonwood	ML/GV	NM	NM	184	85	31	167	16	NM	NM	606	NM	28.0	NM
26WA1502	2884	-	Rosegate	ML/GV	NM	NM	208	0	98	589	36	NM	NM	NM	2.22	22.0	NM
26WA1502	2931	-	Elko Eared	ML/GV	NM	NM	201	0	102	593	35	NM	NM	NM	2.27	22.0	NM
26WA1502	3025	-	Northern Side-notched	ML/GV	NM	NM	207	3	97	587	32	NM	NM	NM	NM	21.0	NM
26WA1502	3034	-	Elko Eared	ML/GV	NM	NM	216	4	103	585	33	NM	NM	NM	NM	22.0	NM
26WA1502	3045	-	Elko Eared	ML/GV	NM	NM	198	4	98	591	34	NM	NM	NM	2.16	22.0	NM
26WA1502	3059	-	Elko Corner-notched	ML/GV	NM	NM	198	3	105	591	32	NM	NM	NM	NM	22.0	NM
26WA1502	3063	-	Rosegate	ML/GV	NM	NM	227	0	106	623	32	NM	NM	NM	NM	22.0	NM
26WA1502	3092	-	Elko Corner-notched	Fox Mountain	NM	NM	151	3	63	359	18	NM	NM	NM	2.36	50.0	NM
26WA1502	3128	-	Elko Corner-notched	Cowhead Lake	NM	NM	108	5	33	67	17	NM	NM	24	0.73	8.0	NM
26WA1502	3136	-	Elko Eared	Badger Creek	NM	NM	131	84	17	152	10	NM	NM	1112	NM	27.0	NM
26WA1502	3164	-	Cottonwood	ML/GV	NM	NM	188	90	35	173	20	NM	NM	587	1.48	29.0	NM
26WA1502	3165	-	Desert Side-notched	Buck Mountain	NM	NM	114	72	20	97	11	NM	NM	616	0.87	18.0	NM
26WA1502	3181	-	Cottonwood	Badger Creek	NM	NM	151	91	19	157	11	NM	NM	1044	1.05	28.0	NM
26WA1502	3244	-	Rosegate	Badger Creek	NM	NM	151	92	22	152	10	NM	NM	1068	NM	27.0	NM
26WA1502	3502	-	Elko Corner-notched	ML/GV	NM	NM	206	0	99	593	34	NM	NM	NM	2.26	21.0	NM
26WA1502	3521	-	Cottonwood	ML/GV	NM	NM	216	0	103	591	34	NM	NM	NM	NM	22.0	NM
26WA1502	3524	-	Desert Side-notched	ML/GV	NM	NM	206	0	96	593	33	NM	NM	NM	2.23	23.0	NM
26WA1502	3531	-	Cottonwood	ML/GV	NM	NM	184	86	34	166	19	NM	NM	596	NM	27.0	NM
26WA1502	3571	-	Rosegate	ML/GV	NM	NM	210	0	99	592	35	NM	NM	NM	2.33	23.0	NM
26WA1502	3584	-	Cottonwood	ML/GV	NM	NM	187	88	33	174	18	NM	NM	629	1.51	27.0	NM

Note: All trace element values reported in parts per million; NM = not measured; ND = not detected; * small sample; ML/GV = Massacre Lake/Guano Valley; WH/DH = Whitehorse/Double H; BS/PP/FM = Bordwell Spring/Pinto Peak/Fox Mountain

Appendix C: X-Ray Fluorescence Data

Site	Artifact Number	Lab Number	Artifact Type	Source	Zn	Pb	Rb	Sr	Y	Zr	Nb	Ti	Mn	Ba	Fe^2O^3	Fe:Mn	Fe:Ti
26WA1502	3602	-	Cottonwood	ML/GV	NM	NM	222	4	98	582	33	NM	NM	4	NM	20.0	NM
26WA1502	3650	-	Elko Corner-notched	ML/GV	NM	NM	207	0	97	584	35	NM	NM	NM	NM	22.0	NM
26WA1502	3654	-	Elko Eared	ML/GV	NM	NM	225	4	96	616	36	NM	NM	NM	NM	22.0	NM
26WA1502	3655	-	Northern Side-notched	Buffalo Hills	NM	NM	152	104	24	119	15	NM	NM	1112	1.05	12.0	NM
26HU201	4	-	Gatecliff Split Stem	Pinto Peak	NM	NM	198	0	73	426	22	NM	NM	NM	NM	72.0	NM
26HU201	6	-	Gatecliff Split Stem	Bordwell Spring	NM	NM	160	3	64	375	20	NM	NM	NM	2.33	61.0	NM
26HU201	10	-	Gatecliff Split Stem	Pinto Peak	NM	NM	181	2	79	448	26	NM	NM	NM	2.01	71.0	NM
26HU201	16	-	Elko Corner-notched	ML/GV	NM	NM	192	1	102	588	34	NM	NM	NM	NM	22.0	NM
26HU201	18	-	Elko Corner-notched	ML/GV	NM	NM	200	1	95	575	30	NM	NM	NM	2.06	22.0	NM
26HU201	27	-	Gatecliff Split Stem	Pinto Peak	NM	NM	197	0	79	467	27	NM	NM	NM	2.19	71.0	NM
26HU201	29	-	Gatecliff Split Stem	Mount Majuba	NM	NM	169	130	23	169	13	NM	NM	1053	1.53	34.0	NM
26HU201	66	-	Elko Corner-notched	Pinto Peak	NM	NM	186	2	75	454	22	NM	NM	NM	NM	70.0	NM
26HU201	81	-	Elko Corner-notched	Pinto Peak	NM	NM	176	3	80	474	24	NM	NM	NM	2.30	74.0	NM
26HU201	82	-	Gatecliff Split Stem	South Warners	NM	NM	181	74	21	94	14	NM	NM	369	1.01	20.0	NM
26HU201	96	-	Elko Corner-notched	Pinto Peak	NM	NM	194	2	81	478	26	NM	NM	NM	2.30	77.0	NM
26HU201	102	-	Elko Corner-notched	Buffalo Hills	NM	NM	166	83	24	108	15	NM	NM	1038	0.90	11.0	NM
26HU201	110	-	Gatecliff Split Stem	Bordwell Spring	NM	NM	158	3	68	357	21	NM	NM	NM	NM	66.0	NM
26HU201	111	-	Gatecliff Split Stem	ML/GV	NM	NM	211	2	97	590	32	NM	NM	NM	2.31	24.0	NM
26HU201	112	-	Gatecliff Split Stem	Bordwell Spring	NM	NM	164	2	67	375	19	NM	NM	NM	NM	60.0	NM
26HU201	119	-	Gatecliff Split Stem	Fox Mountain	NM	NM	159	0	63	388	19	NM	NM	NM	2.03	51.0	NM
26HU201	120	-	Gatecliff Split Stem	Pinto Peak	NM	NM	189	2	79	455	20	NM	NM	NM	2.02	75.0	NM
26HU201	132	-	Gatecliff Split Stem	Pinto Peak	NM	NM	185	0	79	459	23	NM	NM	NM	2.03	71.0	NM
26HU201	141	-	Gatecliff Split Stem	Pinto Peak	NM	NM	177	2	79	438	24	NM	NM	NM	NM	73.0	NM
26HU201	148	-	Gatecliff Split Stem	Fox Mountain	NM	NM	156	2	65	354	21	NM	NM	NM	2.13	53.0	NM
26HU201	149	-	Gatecliff Split Stem	Fox Mountain	NM	NM	147	0	65	373	21	NM	NM	NM	2.10	51.0	NM
26HU201	162	-	Elko Corner-notched	Fox Mountain	NM	NM	159	0	64	388	20	NM	NM	NM	2.31	48.0	NM
26HU201	163	-	Elko Corner-notched	Pinto Peak	NM	NM	181	1	75	455	22	NM	NM	NM	2.02	69.0	NM
26HU201	167	-	Gatecliff Split Stem	Pinto Peak	NM	NM	193	1	75	436	23	NM	NM	NM	NM	74.0	NM
26HU201	168	-	Gatecliff Split Stem	ML/GV	NM	NM	220	1	101	600	38	NM	NM	NM	NM	21.0	NM
26HU201	175	-	Undifferential Elko	ML/GV	NM	NM	215	1	102	603	33	NM	NM	NM	NM	23.0	NM
26HU201	176	-	Gatecliff Split Stem	Pinto Peak	NM	NM	178	2	74	453	22	NM	NM	0	NM	72.0	NM

Note: All trace element values reported in parts per million; NM = not measured; ND = not detected; * small sample; ML/GV = Massacre Lake/Guano Valley; WH/DH = Whitehorse/Double H; BS/PP/FM = Bordwell Spring/Pinto Peak/Fox Mountain

Appendix C: X-Ray Fluorescence Data

Site	Artifact Number	Lab Number	Artifact Type	Source	Zn	Pb	Rb	Sr	Y	Zr	Nb	Ti	Mn	Ba	Fe^2O^3	Fe:Mn	Fe:Ti
26HU201	194	-	Rosegate	Fox Mountain	NM	NM	157	2	66	398	22	NM	NM	0	NM	52.0	NM
26HU201	204	-	Rosegate	Buffalo Hills	NM	NM	148	109	24	114	14	NM	NM	1068	NM	13.0	NM
26HU201	208	-	Undifferential Elko	Pinto Peak	NM	NM	183	1	76	454	23	NM	NM	0	2.05	72.0	NM
26HU201	209	-	Rosegate	Pinto Peak	NM	NM	191	0	78	459	22	NM	NM	0	2.00	72.0	NM
26HU201	216	-	Gatecliff Split Stem	Pinto Peak	NM	NM	192	1	81	466	23	NM	NM	0	2.09	75.0	NM
26HU201	217	-	Gatecliff Split Stem	Pinto Peak	NM	NM	200	0	83	480	23	NM	NM	NM	2.28	69.0	NM
26HU201	218	-	Gatecliff Split Stem	ML/GV	NM	NM	222	3	100	585	35	NM	NM	NM	2.10	20.0	NM
26HU201	219	-	Gatecliff Split Stem	Craine Creek	NM	NM	143	142	20	142	12	NM	NM	1304	1.42	29.0	NM
26HU201	220	-	Elko Eared	Bordwell Spring	NM	NM	167	0	69	381	20	NM	NM	NM	2.37	61.0	NM
26HU201	224	-	Gatecliff Split Stem	Pinto Peak	NM	NM	179	1	79	462	23	NM	NM	NM	1.94	73.0	NM
26HU201	231	-	Gatecliff Split Stem	Pinto Peak	NM	NM	187	0	83	459	22	NM	NM	NM	2.04	69.0	NM
26HU201	237	-	Gatecliff Split Stem	Bordwell Spring	NM	NM	174	0	69	380	21	NM	NM	NM	NM	58.0	NM
26HU201	257	-	Rosegate	Fox Mountain	NM	NM	170	2	66	397	23	NM	NM	NM	NM	52.0	NM
26HU201	264	-	Elko Eared	Pinto Peak	NM	NM	182	2	76	438	25	NM	NM	NM	NM	71.0	NM
26HU201	274	-	Gatecliff Split Stem	Bordwell Spring	NM	NM	150	2	61	355	20	NM	NM	NM	2.13	61.0	NM
26HU201	302	-	Gatecliff Split Stem	Pinto Peak	NM	NM	192	3	74	459	22	NM	NM	0	2.10	71.0	NM
26HU201	303	-	Rosegate	Craine Creek	NM	NM	155	152	19	151	14	NM	NM	1390	NM	37.0	NM
26HU201	328	-	Elko Corner-notched	Pinto Peak	NM	NM	190	2	79	461	25	NM	NM	0	2.01	73.0	NM
26HU201	336	-	Northern Side-notched	Buffalo Hills	NM	NM	150	78	24	98	15	NM	NM	1025	0.83	12.0	NM
26HU201	343	-	Gatecliff Split Stem	Pinto Peak	NM	NM	181	0	80	451	22	NM	NM	0	2.05	70.0	NM
26HU46	1	-	Elko Eared	Fox Mountain	NM	NM	160	0	68	396	19	NM	NM	NM	2.26	51.0	NM
26HU46	2	-	Undifferential Elko	Hawk's Valley	NM	NM	209	23	46	131	28	NM	NM	77	NM	22.0	NM
26HU46	3	-	Rosegate	Bordwell Spring	NM	NM	158	2	65	370	18	NM	NM	NM	2.32	62.0	NM
26HU46	4	-	Elko Eared	ML/GV	NM	NM	210	2	97	591	31	NM	NM	NM	NM	21.0	NM
26HU46	5	-	Elko Eared	ML/GV	NM	NM	186	2	91	582	29	NM	NM	NM	2.07	22.0	NM
26HU46	6	-	Elko Eared	Pinto Peak	NM	NM	187	2	78	460	23	NM	NM	NM	2.23	71.0	NM
26HU46	1003	-	Elko Eared	Pinto Peak	NM	NM	192	3	77	473	22	NM	NM	NM	2.18	70.0	NM
26HU46	1019	-	Rosegate	ML/GV	NM	NM	196	2	99	586	33	NM	NM	NM	NM	23.0	NM
26HU46	1020	-	Elko Corner-notched	ML/GV	NM	NM	211	1	103	591	33	NM	NM	NM	NM	23.0	NM
26HU46	1025	-	Elko Corner-notched	Pinto Peak	NM	NM	189	1	81	456	24	NM	NM	NM	2.03	69.0	NM
26HU46	1029	-	Elko Eared	Fox Mountain	NM	NM	157	3	63	354	20	NM	NM	NM	2.41	51.0	NM

Note: All trace element values reported in parts per million; NM = not measured; ND = not detected; * small sample; ML/GV = Massacre Lake/Guano Valley; WH/DH = Whitehorse/Double H; BS/PP/FM = Bordwell Spring/Pinto Peak/Fox Mountain

Appendix C: X-Ray Fluorescence Data

Site	Artifact Number	Lab Number	Artifact Type	Source	Zn	Pb	Rb	Sr	Y	Zr	Nb	Ti	Mn	Ba	Fe^2O^3	Fe:Mn	Fe:Ti
26HU46	1036	-	Elko Eared	Buffalo Hills	NM	NM	174	105	28	117	11	NM	NM	999	1.20	13.0	NM
26HU46	1040	-	Elko Eared	ML/GV	NM	NM	210	3	107	616	36	NM	NM	NM	NM	23.0	NM
26HU46	1047	-	Rosegate	Mount Majuba	NM	NM	201	58	28	108	15	NM	NM	402	1.16	30.0	NM
26HU46	1050	-	Elko Eared	Pinto Peak	NM	NM	172	0	71	442	22	NM	NM	NM	NM	70.0	NM
26HU46	1051	-	Rosegate	Craine Creek	NM	NM	154	156	24	151	15	NM	NM	1349	1.55	33.0	NM
26HU46	1056	-	Undifferential Elko	Pinto Peak	NM	NM	193	2	81	466	23	NM	NM	NM	2.09	72.0	NM
26HU46	1077	-	Undifferential Elko	Mount Majuba	NM	NM	156	124	23	165	11	NM	NM	1066	1.31	31.0	NM
26HU46	1083	-	Elko Eared	Fox Mountain	NM	NM	169	0	61	394	23	NM	NM	NM	NM	47.0	NM
26HU46	1085	-	Undifferential Elko	Fox Mountain	NM	NM	164	4	65	368	19	NM	NM	NM	NM	52.0	NM
26HU46	1092	-	Rosegate	Fox Mountain	NM	NM	172	2	68	372	21	NM	NM	NM	NM	52.0	NM
26HU46	1105	-	Elko Corner-notched	Pinto Peak	NM	NM	184	2	76	457	23	NM	NM	NM	NM	68.0	NM
26HU46	1107	-	Rosegate	Fox Mountain	NM	NM	188	1	67	392	19	NM	NM	NM	NM	52.0	NM

Note: All trace element values reported in parts per million; NM = not measured; ND = not detected; * small sample; ML/GV = Massacre Lake/Guano Valley; WH/DH = Whitehorse/Double H; BS/PP/FM = Bordwell Spring/Pinto Peak/Fox Mountain