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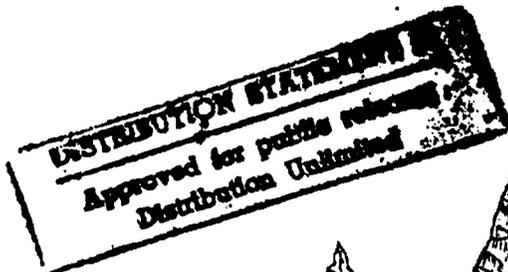
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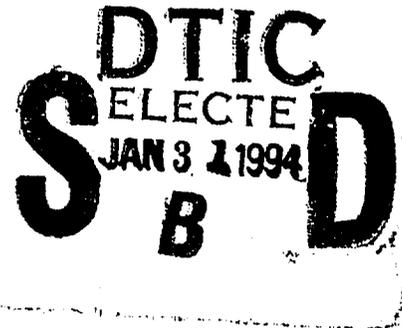
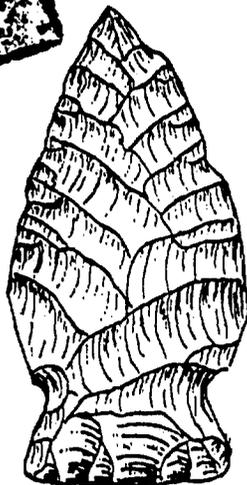
Timothy C. Klinger  
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Steven M. Imhoff  
James E. Price

# STOCKTON LAKE WIMMER COLLECTIONS

Analysis of prehistoric artifacts collected by Howard R. Wimmer  
from archeological sites  
in the Stockton Lake Project, Cedar and Dade Counties, Missouri  
Contract No. DACW41-92-C-0072



1993



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Timothy C. Klinger, Principal Investigator

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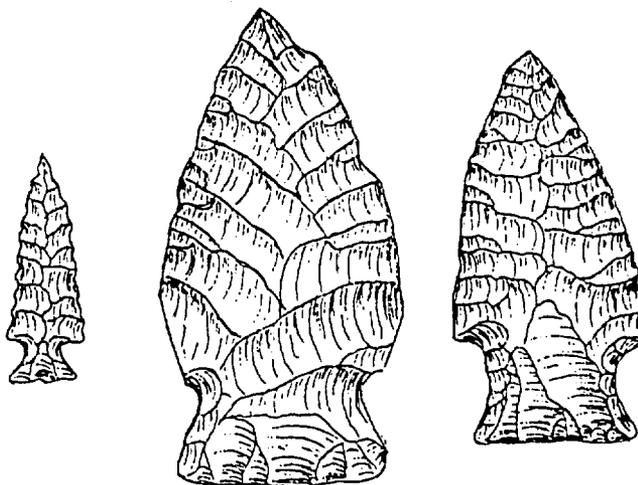
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HISTORIC PRESERVATION ASSOCIATES REPORTS 93-13

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USGS Quadrangle - Bona, Mo. 7.5' 1981  
Crisp, Mo. 7.5' 1981  
Stockton, Mo. 7.5' 1981  
HPP Drainage Basin - Sac  
HPP Study Unit - Osage Prairie  
Timothy C. Klinger, Principal Investigator

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## ABSTRACT

Artifacts collected at Stockton Lake sites in Cedar, Dade and Polk counties by Mr. Howard R. Wimmer of St. Louis were analyzed for evidence of use-wear and classified according to typologies commonly accepted for the Stockton area. Those artifacts that were classifiable or that exhibited use-wear are described and many of them are illustrated.

This work complements concurrent investigations at Stockton Lake including assessments of prehistoric archeological sites 23DA407 and 23DA408. An intensive survey of 1,372.4 acres on Government lands around Stockton Lake also resulted in the investigation of 90 sites and 24 isolated prehistoric artifacts. Current issues for the Osage Prairie Study Unit are addressed using the combined HPA and Wimmer collections.

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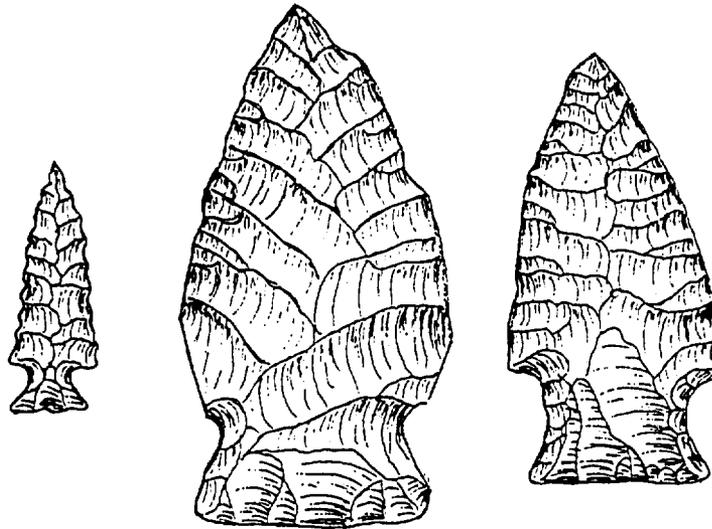
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### DISCLAIMER

The study performed herein by the Contractor for the Corps of Engineers is authorized by the National Historic Preservation Act of 1966, as amended. Accomplishment of this work provides documentation evidencing compliance with Executive Order 11593 (Protection and Enhancement of the Cultural Environment, dated 13 May 1971) and Section 110 of the National Historic Preservation Act.

Funds for this investigation and report were provided by the U. S. Army Corps of Engineers. The Corps contracted with Historic Preservation Associates for this Downstream Stockton Study and may not necessarily agree with the contents of this report in its entirety. The report reflects the professional views of the Contractor who is responsible for collection of the data, analysis, conclusions and recommendations.

The Contractor designated a study team to make the investigation and the study team has drawn conclusions regarding the effects of power generation on the Sac River downstream of Stockton Dam. Since the U. S. Army Corps of Engineers does not wish to interfere with the professional independence of the study team, those conclusions remain in the study. However, it should be noted that the U. S. Army Corps of Engineers does not necessarily agree with the conclusions of the study team regarding the effects of power generation.



## **STOCKTON LAKE WIMMER COLLECTIONS**

Analysis of prehistoric artifacts collected by Howard R. Wimmer  
from archeological sites  
in the Stockton Lake Project, Cedar and Dade Counties, Missouri  
Contract No. DACW41-92-C-0072

submitted to the Kansas City District, Corps of Engineers  
by Timothy C. Klinger, Don R. Dickson, Steven M. Imhoff and James E. Price  
Historic Preservation Associates Reports 93-13

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### **INTRODUCTION**

To fulfill its obligations under the National Historic Preservation Act of 1966 (PL89-665), the National Environmental Policy Act of 1969 (PL91-190), Executive Order 11593, the Archeological and Historic Preservation Act of 1974 (PL93-291), the Archaeological Resources Protection Act of 1979 (PL96-95) and the Procedures for the Protection of Historic and Cultural Properties (36CFR800), the Kansas City District of the U. S. Army Corps of Engineers (COE) requested an analysis and documentation of artifacts collected from prehistoric sites by Howard R. Wimmer, an amateur archeologist living in St. Louis. Contract DACW41-92-C-0072 was awarded to Historic Preservation Associates (HPA) for analysis of the Wimmer collections along with other survey and assessment work. Results of that effort are included in a separate report (Klinger et al. 1993).

This and a companion report (Klinger et al. 1993) follow the guidelines and standards of fieldwork and reports contained in the *Guidelines for Reporting Phase II Testing of Archaeological Site Significance and Evaluation of National Register Eligibility* (Weichman 1987), *Guidelines for Contract Cultural Resource Survey Reports & Professional Qualifications* (Weichman 1987), the *Master Plan for Archaeological Resource Protection in Missouri* (Weston and Weichman 1987), McGimsey and Davis (1977:64-77) and Bense et al. (1986:52-62).

The project sponsor was the Kansas City District of the U. S. Army Corps of Engineers. The Project Manager was Ms. Camille Lechliter who was assisted by Mr. Berkely Bailey of the Kansas City office. Mr. Ken Lucius of the Stockton Lake office served as liaison between HPA and the Kansas City District. Mr. Timothy C. Klinger, Director of HPA, was the Principal Investigator. Mr. Don R. Dickson, Mr. Steven M. Imhoff and Dr. James E. Price conducted the analysis of all artifacts collected from various sites by Mr. Howard R. Wimmer.

## ENVIRONMENTAL SETTING

Because archeologists study the physical remains of past cultures, it is often easy for us to focus on artifacts as an end in themselves. This is particularly true when they are unusually beautiful or well preserved, and is a natural outgrowth of the fact that artifacts comprise our basic data and must be dealt with before we can proceed with other studies. The real issues before us are not the cultural remains per se but the behaviors that produced them. These behaviors comprise the means by which people adapt to the physical and cultural environments in which they find themselves (Rappaport 1969:185). While other animals adapt to their surrounding environment through genetic mechanisms, people do so through genetic adaptation and by developing technological and behavioral strategies. These strategies and their accompanying technologies are closely related enough that, through the study of the physical remains, we can gain at least a partial understanding of past behavioral systems. Our discussion focuses on the local environment as it exists today. While there are certainly pitfalls inherent in this approach, the Holocene environment has largely remained as we know it with some notable exceptions.

The Sac River lies roughly at the boundary between the Ozark Highlands and the Osage Plains (Figure 3). The Ozarks are an elongated dome that encompass most of the southern half of Missouri. Major physiographic regions of the southwestern Ozarks include the Salem Plateau and the Springfield Plateau. The Salem Plateau is a maturely dissected upland surface composed of Cambrian and Ordovician rocks that has been substantially destroyed by streams that have cut valleys hundreds of feet deep (Vineyard 1967:13). The Springfield Plateau is underlain by Mississippian age rocks and rises slightly above the Salem Plateau. It slopes downward to the northwest and is an area of low relief where little of the old surface remains (Vineyard 1967:14). The Osage Plains

are underlain by Pennsylvanian age sedimentary rocks and are characterized by low rolling relief (Vineyard 1967:14; Allgood and Persinger 1979; Anderson 1979; Haynes 1976).

Local geology is highly complex. Formations in and around the project area include the Ordovician age, Canadian Series Jefferson City Dolomite, the Mississippian age Osagean, Kinderhookian and Meramecian series and the Pennsylvanian age Atokan series. The Osagean Series includes the Burlington limestone and the Elsey, Reeds Spring and Pierson formations. The Kinderhookian Series includes the Northview, Compton and Bachelor formations. The Meramecian Series includes the St. Louis limestone and the Salem and Warsaw formations.

Floodplains in the area are now submerged beneath Stockton Lake but pre-inundation topographic maps show them to be broad, level and well circumscribed by steep walls of dissected uplands that are 15 m to 50 m higher than the floodplain. Although generally level, the valley is characterized by gently rolling floodplain topography.

The Sac River originates in Greene County just west of Springfield, Missouri. It flows generally northward until reaching the Osage River. Named tributaries in the project area include, from south to north, Sons Creek, Mutton Creek, Hawker Branch, the Little Sac River, Cothwell Branch, and Edge Branch. Named tributaries of the Little Sac include Big Branch and Maze Creek.

Both upland and lowland soils are included in the project area. The upland soils are shallow, rapidly drained and usually stony. The lowland soils are less well drained silty and clayey alluvium that contain little stone. Neither Cedar nor Dade counties have been mapped according to current soil classification schemes, although mapping is in progress in Dade County and preliminary mapping was available for a few of the survey areas (Harwood 1992). The most recent published soil mapping for Cedar County (Watson and Williams 1911) is outdated and not useful for our purposes.

The Sac River lies roughly at the boundary between the Eastern deciduous forest and the western prairie. Shelford (1963:306) notes that:

In dry regions there is commonly a gradual transition at these contacts, with mixing of grass and woody plants. In moist regions, however, an abrupt change occurs from grassland to forest, and the assemblage of plants and animals is largely different from that of either grassland or forest. These forest-edge communities are in a state of constant fluctuation back and forth with changes in climate.

Topography east of the Sac is more dissected than to the west and the dominant vegetation is Oak-hickory forest. Major plants include white oak (*Quercus alba*), black oak (*Q. velutina*), post oak (*Q. stellata*), black jack oak (*Q. marilandica*), scarlet oak (*Q. coccinea*) and mockernut hickory (*Carya tomentosa*) with a lowbush blueberry (*Vaccinium vacillans*) understory predominating on acid soils and sugar maple (*Acer saccharum*), blue ash (*Fraxinus quadrangulata*), chinquapin oak (*Quercus prinoides* var.

*acuminata*), walnut (*Juglans nigra*), papaw (*Asimina triloba*), linden (*Tilia americana*), deciduous holly (*Ilex decidua*), southern buckthorn (*Bumelia lyciodes*) and other species on soils derived from limestone. Pignut (*Carya cordiformis*) and shellbark (*C. lacinosu*) hickories are intermixed with the oaks on deep soils (Sauer 1920:52-60; Shelford 1963:59; Steyermark 1963:xix-xx). Major animal species include turkey (*Meleagris gallopavo*), whitetail deer (*Odocoileus virginianus*), wolf, bobcat (*Lynx rufus*), bear (*Euarctos americanus?*), gray squirrel (*Sciurus carolinensis*), fox squirrel (*S. niger*), raccoon (*Procyon lotor*), opossum (*Didelphis marsupialis*), gray fox (*Urocyon cinereo argenteus*) and ruffed grouse (*Bonasa umbellus*). Snakes include the copperhead (*Agkistrodon contortrix*), the rough green snake (*Opheodrys aestivus*), the rat snake (*Elaphe flavirufa*), the coachwhip (*Masticophis flagellum*), the speckled kingsnake (*Lampropeltis getulus*), the cottonmouth moccasin (*Agkistrodon piscivorus*), coral snakes (*Micrurus fulvius*) and timber rattlesnakes (*Crotalus horridus*) (Shelford 1963:59-60).

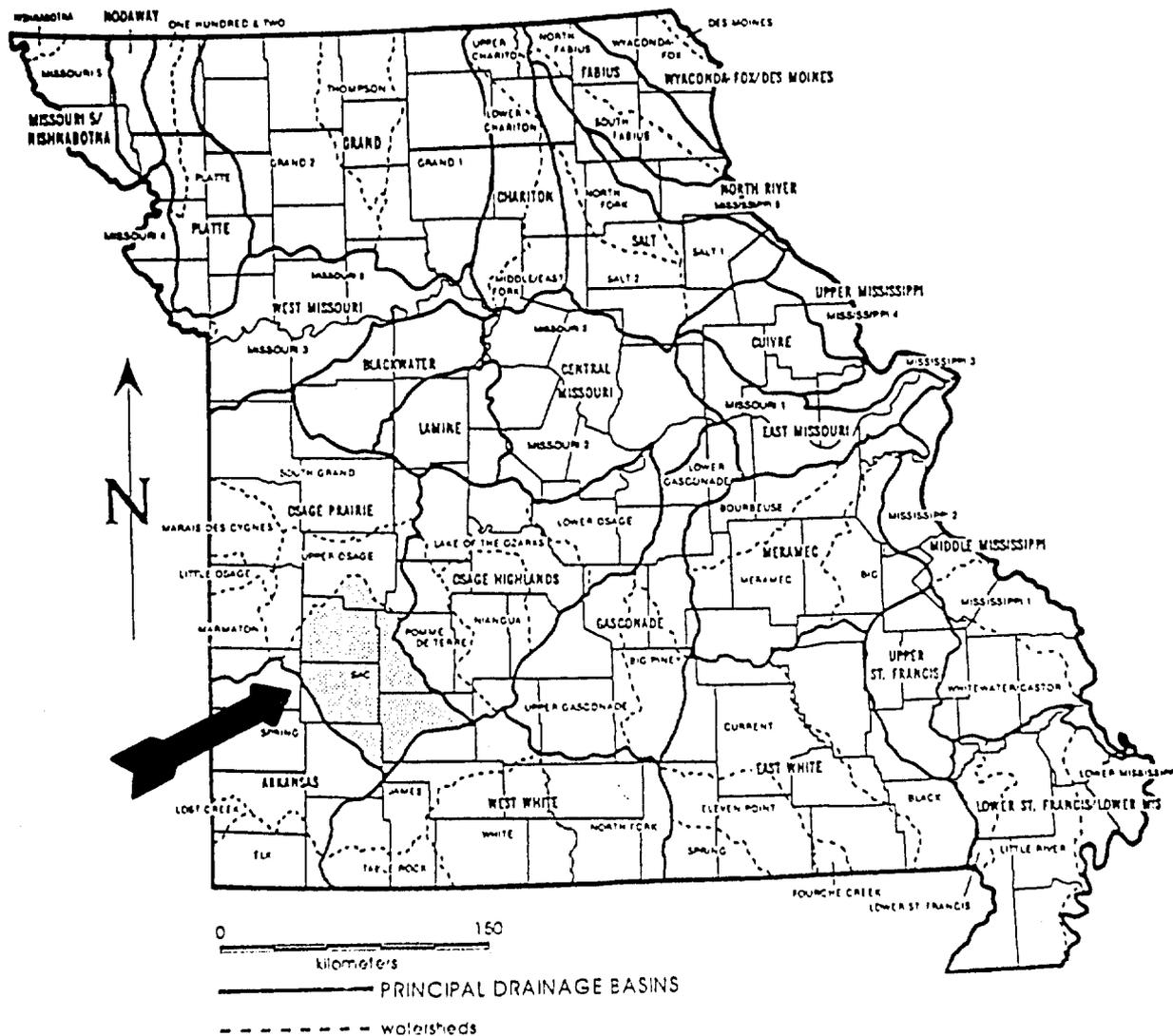


Figure 1. Missouri watersheds and general project location.

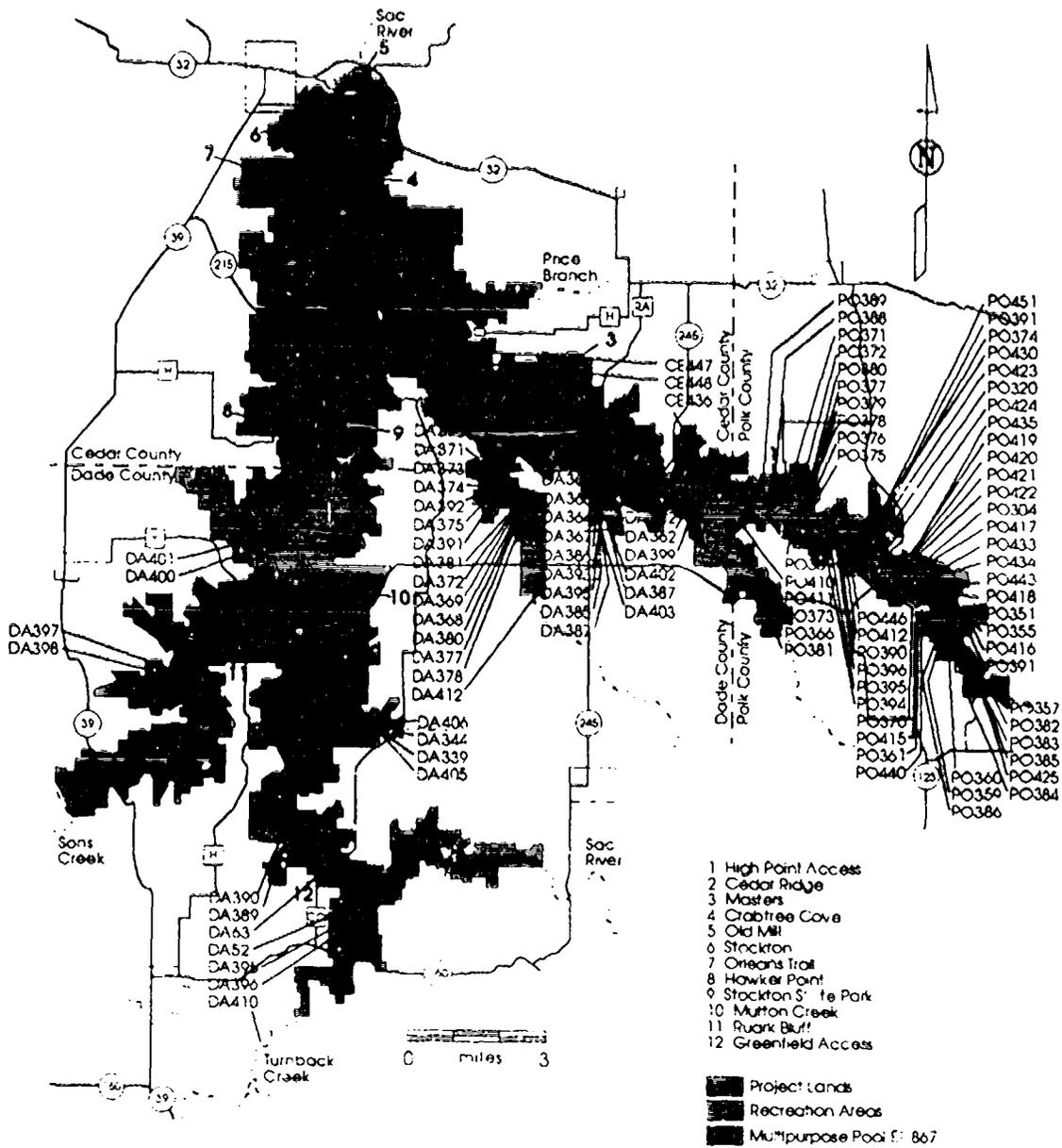


Figure 2 General location of the Wimmer sites.

Dominant vegetation west of the Sac is tall grass prairie on the level areas with stream-skirting forest in the drainages (Shelford 1963:330; Steyermark 1963:rviii-xxiv; Watson and Williams 1911:6-7). Dominant species include June grass (*Koeleria cristata*), blue grama (*Bouteloua gracilis*), side-oats grama (*B. curtipendula*), hairy grama (*B. hirsuta*), needle-and-thread (*Stipa comata*), green needlegrass (*S. viridula*), sheep fescue (*Festuca ovina brachyphilla*), little bluestem (*Andropogon scoparius*), buffalo grass (*Buchloe dactyloides*) and the animals bison (*Bison bison*), pronghorn (*Antilocapra americana*), badger (*Taxidea taxus*), jack rabbit (*Lepus* sp.). The cottontail (*Sylvilagus* sp.), wapiti (*Cervus canadensis*) and whitetail deer are secondary influents in areas having substantial stream-skirting forests.

Climate of Cedar and Dade counties is midcontinental with a yearly range in temperature extremes of 100°+ F (37° C) in the summer to -25° F (-4° C) in the winter (Howard 1987:78; Watson and Williams 1911:9). The average annual temperature is about 56° F (13° C) with 38 to 40 inches of precipitation, including 14 to 18 inches of snow. Rainfall is abundant, particularly during the spring and summer months. January is, on average, the coldest and driest month of the year but also receives about one third of the annual snowfall. June is wettest with an average of nearly five inches of rain, while July is the hottest month. The last spring frost usually occurs in mid to late April but may occur as late as early May. The first Fall frost normally occurs in mid to late October.

## CULTURAL ENVIRONMENT

The prehistory of Missouri has been divided into the Early Man, Paleo-Indian, Archaic, Woodland and Mississippi periods (Table 1) (Chapman 1975, 1980; Wright 1987) and generally follows long established cultural divisions for the eastern United States. The Archaic, Woodland and Mississippi periods have been divided into early, middle and late periods as well. This discussion is not intended to be exhaustive but only to provide a framework for the results of this work.

*Early Man Period (pre-12,000 BC).* Early Man is a speculative period that refers to stone age people having technology similar to Old World Paleolithic cultures. Percussion flaked crude bifaces, cobble tools and slightly modified flake tools were allegedly used by pre-Clovis peoples in the Americas (Chapman 1975:31-59; Wright 1987:C-1-1 - C-1-3). The well-made projectile points associated with Clovis and later cultures supposedly were not made by these peoples. The alleged Lively Complex of Alabama (Josselyn 1965) and Byran's (1965) pre-projectile point periods are examples of Early man manifestations. There is little agreement regarding the age or even existence of Early Man sites in North America (Meltzer 1989: 471:490). Those who accept that people were present in North America have estimated their arrival at anywhere between 100,000 and 12,500 years ago. Most estimates are in the 25,000 to 40,000 year range based on the timing of glaciation episodes and the exposure of a land bridge across the

Bering Strait. Population densities would have been very low and the archeological record concomitantly scanty. No Early Man sites have been proposed for the Osage Prairie Study Unit.

Table 1. Prehistoric sequence for the Western Prairie Region of Missouri.  
(after Chapman 1975:230, 1980:264)

Cultural Period	Date Range	Comments
Late Mississippi	AD 1450 - AD 1700	Upper Osage
Middle Mississippi	AD 1200 - AD 1450	area used only by intermittent hunting and trading expeditions
Early Mississippi	AD 900 - AD 1200	Stockton complex; Steed-Kisker phase hunting parties (Dryocopus and Flycatcher sites, Forager Tradition?)
Late Woodland	AD 400 - AD 900	Boliver aggregate; Fristoe Burial aggregate; temporary campsites and burial mounds; Pomona Phase? Lindley Phase? Maramec Spring Phase?
Middle Woodland	500 BC - AD 400	temporary campsites of Hopewellian Interaction Sphere; Cooper complex; Forager Tradition may continue
Early Woodland	1000 BC - 500 BC	Forager Tradition continues in Stockton area
Late Archaic	3000 BC - 1000 BC	possible Forager component in Harrison shelter based on Table Rock Stemmed and Afton Corner Notched points and in Cat Hollow shelter based on Smith Basal Notched and Table Rock Stemmed; Munkers Creek phase and John Redmond Reservoir manifestation Kansas
Middle Archaic	5000 BC - 3000 BC	surface collections and tools probably from the Middle Archaic in proper sequence in Brounlee and Woody shelters
Early Archaic	7500 BC - 5000 BC	substantial Early Archaic component found at the Montgomery site (23CE261).
Dalton	8500 BC - 7000 BC	possible use of shelter at 23BE108; deeply buried Dalton component found at Montgomery
Paleo-Indian	12,000 - 8000 BC	only a few Clovis Fluted and Folsom Fluted
Early Man	Pre-12,000 BC	no data

*Paleo-Indian Period (12,000 - 8000 BC).* Cultures of this period are generally characterized as nomadic hunting and gathering bands that subsisted primarily by exploiting Late Pleistocene megafauna (Chapman 1975:60-94; Wright 1987:C-2-1 - C-2-3). These Big Game Hunters, as they are known, undoubtedly exploited a wide range of other floral and faunal resources with a broader technology than is commonly preserved at sites of this age. We would expect then to have employed a range of bone and wooden tools along with the stone tools that are normally the only surviving evidence. The hallmark of Paleo-Indian culture is the fluted projectile point, many of which have been recovered but few in good context. Fluted points have been found in the Osage Prairie Study Unit but no Paleo-Indian sites have been recorded. Although the Paleo-Indian Period is the first well-documented human occupation of North America, we know little of these peoples beyond their lithic technology.

*Dalton Period (8500 - 7500 BC).* The Dalton Period (Chapman 1975: 95-126; Wright 1987:C-3-1 - C-3-4) is the first wide-spread cultural manifestation and sites yielding Dalton Period artifacts are far more common than the preceding Paleo-Indian. It is generally regarded as transitional between the Paleo-Indian and Archaic periods, although some consider it to be terminal Paleo-Indian. Chapman notes that the Dalton Period marks the transition from free-wandering big game hunting to hunting and foraging, probably as a result of changing climatic conditions that brought about the extinction of the Pleistocene megafauna and an end to the lifeway that depended upon them. The hallmark of the Dalton Period is the Dalton projectile point or knife. Other tools appeared along with artifacts useful in hunting. Tools for working wood - adzes, spokeshaves and steep-edged scraping and cutting tools - suggest the manufacture of

wooden implements possibly useful in procuring small game or other non-game resources. Faunal remains recovered from the Dalton levels at Graham Cave (23MT2) indicate a dependence on cottontail rabbit, raccoon, squirrels and whitetail deer (Logan 1952:63). The addition of milling and pulverizing tools indicates that vegetal resources such as nuts and seeds were becoming more important. In addition, bone awls and needles have been recovered from dry caves, giving some insight into the non-lithic technology employed by these peoples. Dalton activities at a depth of 3.3 m below surface have been documented at the Montgomery site (23CE261) located on the Sac River a short distance from Stockton Dam. It was recorded by Roper (1977) in 1976, later tested by Collins et al. (1983) and is now listed in the National Register of Historic Places.

*Early Archaic Period (7500 - 5000 BC).* The Early Archaic Period (Chapman 1975:127-157; Wright 1987:C-4-1 - C-4-5) marked an increased shift toward foraging and the exploitation of aquatic resources with weirs, traps, nets and spears. The chipped stone tool technology no longer included fluting and new forms emerged. These included lanceolate points with concave bases and heavily ground edges (Dalton Serrated and Rice Lobed) and large points with straight or contracting stems (Eden, Scottsbluff, Hidden Valley). Other chipped tools included snubbed-end flake scrapers, round scrapers and scrapers made of broken projectile points. Projectile points were also reworked into drills. Milling and pulverizing tools, useful for processing plant resources continued to be used. Chapman (1975:130) notes that Early Archaic sites are virtually unknown in the area and none are associated with extinct megafauna. The Montgomery site (23CE261; Collins et al. 1983) yielded numerous Early Archaic point types including Graham Cave, Cache River, Scottsbluff, Holland, Plainview, Agate Basin, Angostura, Hardin, Hardaway Side-Notched, Rice Lobed, Big Sandy, Golondrina, Wheeler, and a variety of other points that exhibited similar forms but could not be classified with confidence. Other materials included flake tools, cores, hammerstones, drilled stones, drills and miscellaneous lithic debris. A radiocarbon date of 7850 BC was obtained from a small tree trunk or branch embedded in the cutbank, but not in direct association with any cultural remains.

*Middle Archaic Period (5000 - 3000 BC).* During the Middle Archaic Period (Chapman 1975:158-183; Wright 1987:C-5-1 - C-5-4), the climate of North America was markedly drier. Human adaptation to these conditions, which fostered the expansion of prairie environments, included increased reliance on a variety of small game animals and collecting vegetal foods but apparently did not result in fundamental shifts in settlement and subsistence activities. Side-notched projectile points (Black Sand, Big Sandy, White River Archaic) became common and new tools were introduced, including the full-grooved ground stone axe, the celt (an ungrooved ground stone axe), a variety of twined fabrics and cordage, bone and shell ornaments and bone and antler tools. Other artifacts include corner-notched and contracting-stemmed points, scrapers, pitted cobbles and choppers. Chapman characterizes the period as one of diversity rather than specialization.

*Late Archaic Period (3000 - 1000 BC).* Climate during the Late Archaic Period (Chapman 1975:184-224; Wright 1987:C-6-1 - C-6-6) continued to be dry through about 2000 BC. Reliance continued to be placed on plant gathering over hunting. It was also during this time when some of the earliest cultivation of tropical plants occurred at Phillips Spring (Chomko and Crawford 1978; Kay et al. 1980). New tools included the Clear Fork Gouge and the Sedalia Digger. The first may have been used for pulverizing roots or the cambium layers of trees, while the second exhibits gloss from digging. Grinding and pulverizing implements, such as manos, pestles and hammerstones were common, as were large flaked knives, such as Etley Stemmed, Sedalia Lanceolate and Stone Square-Stemmed. Typical points include Nebo Hill, Smith Basal Notched, Table Rock Stemmed, Godar, Afton and contracting-stemmed types. Items associated with hunting such as flake scrapers, flake knives and dart points are less common than in previous periods.

*Early Woodland Period (1000 - 500 BC).* The appearance of Woodland cultures is usually marked by mound construction and the addition of pottery to the technology, however, that does not seem to have been the case in this part of Missouri (Chapman 1980:9-20; Wright 1987:C-7-1 - C-7-3). Whether this is due to the abandonment of the area during this period, tardiness in the adoption of new lifeways and technologies, or use of the area in ways that did not require pottery (such as at specialized activity sites) is not well understood. The problem that this creates, of course, is that, if defining Early Woodland sites depends on the presence of pottery in a place where the inhabitants did not use pottery, recognizing sites dating to this period becomes extremely difficult. Projectile point types are marginally useful since none are exclusively affiliated with the Early Woodland. The problem can be readily seen in the Schmits (1988:32-36) inventory of Sac River sites and the Nichols (Nichols et al. 1980:3-2 - 3-9, A-2 - A-3) inventory of Stockton Lake sites where 45 Woodland components are listed for Cedar County, none of which is Early Woodland. The consensus appears to be that peoples living in the area during this period still followed an Archaic lifeway.

*Middle Woodland Period (500 BC - AD 400).* The Middle Woodland Period (Chapman 1980:21-77; Wright 1987:C-8-1 - C-8-7) has been defined on the basis of traits associated with the Hopewell. These include permanent village settlements, the introduction of pottery, mound construction, the beginning of maize cultivation, trade in exotic items from distant places. Projectile points are ovate corner-notched (Mankers and Snyders) and subtriangular corner-notched (Ansell and Steuben). Ceramics are sand or grit-tempered with decorative techniques that include punch and boss, roulette, dentate stamp and cross-hatching.

Other diagnostic artifacts include clay figurines, stone platform pipes, celts, stone hoes, adzes, oval and circular scrapers and flake blades. Exotic items include copper, silver, obsidian, marine shell, shark's teeth, sheet mica, meteoric iron and bear teeth. In Missouri, there are 3 clusters of Hopewell activity: The Kansas City Center, the Big Bend Center in central Missouri, the Cooper Center in southwest Missouri. Other Middle Woodland phases include the Central Valley and Monroe phases in northeast Missouri, and the Burkett, Barnes Ridge and Ten Mile Pond phases in southeast Missouri. No

Middle Woodland phases have been defined for the Sac River Valley. Sites in the project vicinity that have yielded Middle Woodland materials include an unidentified cave in St. Clair County, Rockhouse Cave, Tarhole Cave, Griffin Shelter, 23CE411 and 23CE417.

*Late Woodland Period (AD 400 - AD 900).* The Late Woodland Period (Chapman 1980:78-137; Wright 1988:C-9-1 - C-9-10) witnessed the decline of Hopewell culture and the provincialization of Woodland society. The far flung trade networks no longer functioned and ceremonialism declined. Settlements were more dispersed and areas not previously inhabited were now occupied on at least a semi-permanent basis. Subsistence systems had less emphasis on gardening and specialized resource procurement in favor of more generalized foraging. The artifact inventory was largely the same as the Middle Woodland except for the inclusion of arrow points and plain and cord marked ceramics with simple decorations such as scalloping, notching, punctating or impressing applied to the lip. Tempering agents included principally clay, grit and limestone. Sites in the project area assigned to the Late Woodland Period include Dryocopus (23CE120), Flycatcher (23CE153), Shady Grove, 23CE123, 23CE241, 23CE406 and 23CE412.

Work conducted in the Stockton Reservoir during the 1960s resulted in the establishment of the Bolivar Burial Complex (Wood and Brock 1984). Excavations were conducted at nine mounds including Umber Point (23CE148), Sorter's Bluff (23CE150), Bowling Stone (23CE152), Sycamore Bridge (23CE154), Tunnel Bluff (23DA222), Bunker Hill (23DA225), Divine (23DA226), Paradise Tree (23DA246) and Slick Rock (23PO306). These mounds ranged in size from 5 m to 7 m in diameter, 15 cm to 91 cm in height and contained the remains of 3 to 18 individuals. Two also contained dog burials. Artifacts included limestone, grog and shell-tempered ceramics; Scallorn, Young, Fresno, Harrel and Reed arrow points; Rice Side-Notched and Cupp dart points; drills, scrapers, various flake tools, celts, milling implements, bone and antler tools; *Anculosa*, *Marginella*, *Oliva* and periwinkle beads; mussel shell disk beads; conch shell disk beads, pendants, rings and gorgets. Vegetal remains include maize, squash, sunflower, Marshelder, Chenopodium, hickory nuts, hazelnuts, acorns, walnuts, mulberry and dogwood.

Radiocarbon dates were AD 390  $\pm$ 140 (Bowling Stone), AD 1000  $\pm$ 120 (Umber Point), AD 1090  $\pm$ 100 (Sorter's Bluff), AD 1110  $\pm$ 75 (Divine) and AD 1465  $\pm$ 90 (Divine). Thermoluminescence dates were AD 953  $\pm$ 49 (Bunker Hill), AD 1085  $\pm$ 49 (Bunker Hill), AD 1307  $\pm$ 30 (Slick) and AD 1580  $\pm$ 30 (Slick).

Wood and Brock (1984) placed the complex in the Late Woodland Period because the majority of the ceramics were limestone tempered. Chapman (1980:150-152) places the complex in the Early Mississippi Period on the basis of the radiocarbon dates. Open campsites dating to the period have been investigated at Dryocopus Village (23CE120), Flycatcher (23CE153) (Calabrese et al. 1968, 1969; Pangborn et al. 1971; also see Pangborn 1965, 1966) and Shady Grove (Ward 1968). These sites contained circular and oval post-in-ground structures and yielded lithic assemblages that Chapman (1980:86) feels place them in the Late Woodland or Early Mississippi periods (ca AD 1000). No ceramics were recovered. Radiocarbon dates of AD 1485  $\pm$ 100 at Dryocopus Village and

AD 715 ±95 and AD 1390 ±100 at Flycatcher, however argue for a Middle Mississippi Period affiliation. It is possible that sites like Flycatcher and Dryocopus, which are roughly contemporaneous with the various burial mounds in the area, may have been occupied by peoples returning to their ancestral homeland to bury the dead.

*Early Mississippi Period (AD 900 - AD 1200).* The Early Mississippi Period (Chapman 1980:138-227; Wright 1988:C-10-1 - C-10-8) marked the advent of organized village life. Classic Mississippi Period cultures in the major river valleys were characterized by fortified planned civic ceremonial centers having mounds arranged around a plaza. These centers were surrounded by outlying villages, farmsteads and specialized activity loci where specific resources were exploited. Subsistence centered around the cultivation of tropical plants such as corn, beans and squash with organized exploitation of a wide variety of natural resources. Diagnostic artifacts include shell-tempered ceramics and a variety of arrow points, particularly triangular forms. The Early Mississippi Period occupation in the project area does not fit the classic mold, however. The Stockton Burial complex, which has been identified at a number of sites in the area, including Madrigal Mound, Petit Cote Cairn, King's Curtain Mound, Amity Mound, Albert Mound, Matthews Mound, Cordwood Cairn, Eureka Mound and shelters at 23DA241, 23DA300, 23DA301, 23DA302, 23DA303, the Vance site, Tater Hole Cave, Toler Cave, Buck's Cave, Gray Shelter, Harrison Shelter, Elmer Long Shelter and Gannaway Cave (Wood 1965:130; Chapman 1980:150). The mounds and cairns of the complex are located on hilltops overlooking the major stream valleys. The mounds are 6 m - 8 m in diameter, less than 1 m high and constructed with earth and rock fill. A variety of burial types were present, including cremations, extended, flexed, bundle burials and scattered bones, both burned and unburned. Associated artifacts included plain and cord marked shell-tempered ceramics, Huffaker Notched and Cahokia Notched arrow points, chert knives, conch shell beads, effigy elbow pipes, bone fishhooks, pulley type ear spools, and strip and antler bracelets. Other artifacts, also associated with other complexes, included Mississippi Triangular, Scallorn Corner Notched, Reed Side Notched and Crisp Ovale arrow points; *Anculosa* and *Marginella* shell beads, conch shell disk beads; bone awls; Rice Side Notched; Cupp Corner Notched; and large triangular or oval cutting implements. Chapman feels that the primary contributors to the complex were peoples of the Gibson Aspect and the Steed-Kisker phase, based on of pottery types found in the caves and shelters.

*Middle Mississippi Period (AD 1200 - AD 1450).* The Middle Mississippi Period (Chapman 1980:228-261; Wright 1988:C-10-1 - C-10-8) was largely an elaboration of trends begun in the Early Mississippi Period and represents the florescence of Mississippi culture. Population expanded, as did the territory under the control of the various civic-ceremonial centers. No sites ascribable to the Middle Mississippi Period are known in the area. This is due to an artifact assemblage that is largely identical the Early Mississippi Period and that the area appears to have been used primarily for hunting forays.

*Late Mississippi and Protohistoric Period (AD 1450 - AD 1700).* Chapman does not discuss the Late Mississippi Period, noting that it includes protohistoric and historic groups that were to be discussed in a future publication (Chapman 1980:138). We know from the accounts of the De Soto expedition of 1541 that Late Mississippi cultures in the Mississippi Valley were highly organized agrarian-based societies capable of fielding formidable fighting forces. When French explorers arrived, 130 years later, the area had apparently been largely depopulated and the large towns abandoned, possibly the result of introduced epidemic diseases to which the native peoples had no immunity (Morse and Morse 1983:305-315).

*Historic Period (AD 1541 - present).* Immigrants from Kentucky, Tennessee, Virginia, Illinois, Indiana and Ohio were among the first to settle the Missouri Highlands during the 1820s - 1840s (Goodspeed 1889; Rafferty 1982). By the late 19th century these frontier settlers began a transformation from subsistence farming to more diversified crop and fruit production (Abbott and Hoff 1971). The economy of the area continued to improve from the turn of the century through World War II. Buildings and roads were built throughout the area to support the boom in the farming, mining, oil and tourist industries (Abbott and Hoff 1971:96). Dairy farming was soon transformed to feeder cattle production and forests of the region were cut for timber and cleared for pastures (Girard and Freeman 1992:33).

## PREVIOUS INVESTIGATIONS IN THE PROJECT VICINITY

The earliest known professional investigations in the immediate vicinity occurred in the early 1960s before the construction of Stockton Dam. An initial survey was conducted by the University of Missouri (UMAAD) and resulted in the recording of 40 sites (Chapman et al. 1962, 1963). Excavations were conducted at three mound sites and three shelters. Subsequent excavations continued until 1967 (Calabrese et al. 1969; Wood 1965, 1966) that clarified the local cultural sequence and defined the Bolivar Burial Complex (Wood and Brock 1984). Work at three floodplain sites - Dryocopus Village, Flycatcher (Calabrese et al. 1968, 1969; Pangborn et al. 1971) and Shady Grove (Ward 1968) - in the area produced information on the nature of non-mound sites spanning the transition from Woodland to Mississippian culture.

After a hiatus in archeological work of about ten years, the Kansas City District awarded a contract to the University of Missouri for the survey of COE-controlled lands along the Sac River downstream from the Stockton Dam (Roper 1977; also see Roper et al. 1977; Wood et al. 1965, 1977; Wood and Pangborn 1968a, 1968b, 1968c). This survey encompassed 9 km<sup>2</sup>, equal to about 45% of the Sac River Valley, between the Stockton Dam and Caplinger Mills. Forty of the 44 sites visited were newly recorded. Cultural components identified included Dalton (1), Middle Archaic (6), Late Archaic (8), Early (?) Woodland (7) and Middle/Late Woodland (9). It is worth pointing out that since none of the sites yielded pottery, some of the Woodland sites that yielded arrow points could be either Woodland or Mississippian in affiliation. Roper (1977:97-99) concluded that

the Sac River Valley has been more or less continuously occupied since Dalton times but has been used differently by different cultures. Middle Archaic peoples established base settlements on the floodplain with small specialized activity sites located next to the river. Late Archaic peoples established two kinds of limited activity sites including those near the river and those at the base of the valley wall. Woodland peoples early on established both base camps and limited activity sites but later did not establish permanent occupations. Limited test excavations were also conducted at Montgomery (23CE261) which exhibited a deeply buried Dalton occupation.

Test excavations at 23CE235, 23CE252 and 23CE324 were conducted by the Center for Archaeological Research (CAR), Southwest Missouri State University in 1981 (Perttula and Purrington 1983). CAR had planned to conduct excavations at 23CE240, 23CE241 and 23CE242 as well but landowner permission could not be secured for work at these sites. 23CE252 proved to be a single component Woodland Period site that exhibited good integrity but was limited to the upper 15 cm - 20 cm. 23CE235 was found to be a Woodland Period limited activity site restricted to the plowzone and exhibited substantial evidence of damage from erosion. 23CE324 was found to be a probable hunting camp occupied during the Woodland Period that exhibited shallow deposits.

Work at Montgomery (23CE261) was undertaken in 1976 (Collins et al. 1983). Previous limited testing had indicated that deeply buried in situ deposits were present at the site but, since no culturally diagnostic artifacts were recovered, possible cultural components present could only be guessed at, based on the site's vertical location. Abundant evidence of Dalton and Early Archaic activities at the site was recovered, as well as a single Middle Archaic Big Sandy point that was recovered from the river but thought to be from the site. The major occupation occurred at a depth of 2.4 m and exhibited discrete horizontal clustering that indicated that activity areas have been preserved at the site.

In late 1984 and early 1985, American Resources Group (ARG) conducted a survey of COE slough easements downstream from the Stockton Dam (Moffat and Houston 1986). Approximately 400 acres were surveyed and 27 sites and 4 isolated artifacts were located. Test excavations were conducted at 12 of these sites as well as 3 previously recorded sites added by the Kansas City District. Sites tested included 23CE14, 23CE255, 23CE256, 23CE401, 23CE403, 23CE405, 23CE406, 23CE408, 23CE410, 23CE412, 23CE417, 23CE418, 23CE419, 23CE420 and 23CE421. Cultural components identified included Early or Middle Archaic (1), Late Archaic (8), Middle Woodland (2), Late Woodland (5), indeterminate Woodland (14), indeterminate Mississippi (1), indeterminate prehistoric (5) and a historic mill (1). Nine sites were found to be eligible for inclusion in the National Register including 23CE14, 23CE255, 23CE401, 23CE406, 23CE408, 23CE410, 23CE417, 23CE419 and 23CE420.

In 1986 the Kansas City District issued a contract to Environmental Systems Analysis (ESA) for the survey of an additional 148 acres of slough easements and assessment of 18 prehistoric sites, 14 of which were previously recorded (23CE52, 23CE226, 23CE227, 23CE229, 23CE230, 23CE238, 23CE239, 23CE242, 23CE245, 23CE253, 23CE258, 23CE262, 23CE263 and 23CE409) and 4 newly recorded sites (23CE423, 23CE425, 23CE426 and 23CE427). Cultural components identified included Dalton (1), Middle Archaic (6), Late Archaic (9), Late Woodland (11), indeterminate Woodland (2), indeterminate prehistoric (2) and historic (1). A historic bridge (23CE424) was not assessed. Six sites (23CE226, 23CE229, 23CE238, 23CE409, 23CE426 and 23CE427) were determined to be eligible for inclusion in the National Register and an additional 6 (23CE52, 23CE227, 23CE230, 23CE253, 23CE258 and 23CE425) were found to be potentially eligible.

In 1987 the ESA contract was modified to provide for the survey of 22 additional Corps easements beginning at Caplinger Mills and continuing downstream nearly to the confluence of the Sac and Osage rivers. This work was conducted in 1988. Previously recorded sites that were revisited included 23CE46C and 23SR291. Newly recorded sites included 23CE437, 23CE438, 23CE439, 23CE440, 23CE441, 23CE442, 23CE443, 23CE446, 23SR1059, 23SR1060, 23SR1067 and an unidentified newly recorded site found in Tract 2603E. One previously recorded site (23SR1049) was thought to be located in Tract 2604E and could not be relocated. Little is known of these sites since no report was required.

Most recently, in 1990 and 1991 Historic Preservation Associates (Klinger et al. 1992) conducted test excavations at 23CE46C, 23CE439, 23CE440, 23CE444, 23CE446, 23SR291 and 23SR1067 in Cedar and St. Clair counties. These sites were all located along the Sac River downstream from the Stockton Dam and were subject to bank slumping. 23CE46C yielded evidence of Late Archaic, Late Woodland and Early Mississippi occupations focusing on seasonal exploitation of river resources. 23CE439 yielded evidence of Middle and Late Woodland occupations probably as a seasonal hunting and fishing camp. 23CE442 was occupied during the Middle or Late Woodland period and may represent a single component site. It also produced the only ceramics found during the project. 23CE444 yielded evidence of a Late Woodland occupation. A single Dalton point, recovered from the River, suggested an early occupation as well but no evidence of a Dalton component was recovered. 23CE446 yielded scant evidence of an Early Archaic and possibly Dalton occupations in the form of a Dalton Serrated point (again, recovered from the Sac River) and a Beaver Lake-like point but failed to produce sufficient evidence to assign definite cultural affiliations. 23SR291 produced evidence of badly mixed and probably redeposited prehistoric and historic materials possibly associated with Rockhouse Cave (23SR21), which is located immediately to the north. 23SR1067 yielded evidence of Late Archaic and Early Woodland occupations. It also produced evidence of a well-defined buried component. Three of the sites (23CE46C, 23CE442 and 23SR1067) were determined to contain sufficient data potential to make them eligible for inclusion in the National Register of Historic Places.

Additional HPA investigations (Klinger et al. 1993) were conducted in a complementary effort to the Wimmer analysis. This work included assessments of prehistoric archeological sites 23DA407 and 23DA408. An intensive survey of 1,372.4 acres on Government lands around Stockton Lake resulted in the investigation of 90 cultural properties and 24 isolated prehistoric artifacts. These include 64 prehistoric, 20 Historic and 6 sites that exhibited both prehistoric and historic occupations. Thirty-eight of these sites yielded evidence that they may be eligible for inclusion in the National Register of Historic Places and Phase II testing and assessment has been recommended for them. Seven additional sites are located outside our designated survey areas. Five of these are prehistoric, one is historic and one is both prehistoric and historic. All but one were previously recorded. Archaeological Survey of Missouri site forms were prepared for these but they are not discussed in detail in this report.

Thirty-one sites and eight isolated artifacts are located in Cedar County. Twenty of the sites are prehistoric (seven previously recorded), nine are historic (four previously recorded) and two are both prehistoric and historic (none previously recorded). Fifty-nine sites and 16 isolated artifacts are located in Dade County. Forty-four are prehistoric (17 previously recorded), 11 are historic (three previously recorded) and four are both prehistoric and historic (2 previously recorded). (see Klinger et al. 1993 for a complete discussion of this work effort).

## LABORATORY METHODS

HPA work in connection with the Wimmer collections was limited exclusively to the analysis of the collections. With the exception of other field work in the general area in 1992, HPA has conducted no field work at the Wimmer sites. Ceramics were sorted according to their morphological characteristics and identified according to established types for the Western Prairie Region (Chapman 1980). Tempering agents were identified as were surface treatments and other attributes.

As anticipated, most of the prehistoric artifacts were lithic specimens. Bifacial tools and other diagnostic artifacts were individually described and assigned, if possible, to established types depicted by Bell (1958; 1960), Bell and Hall (1953), Dickson (1968), Marshall (1958), Skully (1951), Schm and Krieger (1954), Wheeler (1954) and Perino (1968; 1971). Probable cultural affiliation was determined by comparing the diagnostic Wimmer artifacts to specimens recovered from deeply stratified regional sites with clear stratigraphy. All the remaining lithic artifacts were analyzed in light of a lithic reduction sequence including flakes of primary and secondary decortication, retouch and thinning flakes and various waste categories (see Sullivan and Rozen 1985; Amick and Mauldin 1989; Rozen and Sullivan 1989a, 1989b; Ensor and Roemer 1989).

An attempt was made to identify raw material types represented in the collections including possible exotics. Assessments of post-procurement heat treating were also made by comparing the color and texture with experimentally heat treated specimens. Heat treatment made many chert types easier to knap (Gregg and Grybush 1976:189).

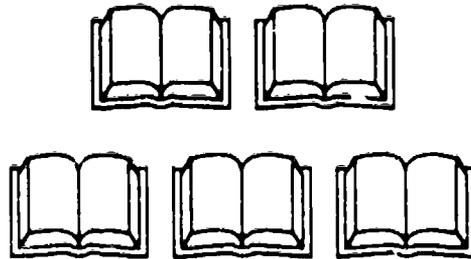
Microscopic study performed for the Wimmer study was done with an AO stereo microscope with a range of amplification from 7X to 40X. The instrument was on a universal mount with light provided by a Reichert variable microscopic light placed at a 40° angle about 3 in (7.6 cm) from each tool being studied. Freshly made stone tools were used to perform a series of activities such as skinning an animal, cutting flesh (with and without bone contact), scraping both fresh skins and dry hide, and cutting, perforating and graving bone and wood. Other tools were used to cut soft stone, grass, and fired pottery. These experimental tools were labeled and used to compare with the artifacts collected by Wimmer. Experimental studies of Ahler (1971:81-87) and his photomicrographs of tool wear (Ahler 1971:plates 13-20) were considered along with *Experimentation in the Formation of Edge Damage: A New Approach to Lithic Analysis* (Tringham et al. 1974:174-196). The Odell and Odell-Vereedken paper *Verifying the Reliability of Lithic Use Wear Assessments by Blind Tests: The Low Power Approach* (Odell and Odell-Vereedken 1980:87-120) was also consulted.

Activity	Material being worked	
butchering	flesh	animals
cutting	wood	woody plants, grass
scraping	dry hide	pottery
sawing	bone or antler	shell
perforating	dry or fresh skin	
graving	soft stone	bone, wood

In order to assess the accuracy of this type of analysis, the analyst arranged to take an evaluation in which a series of labeled tools (labels were covered) were given him one at a time and, without using a comparative collection, evaluations were made regarding the hardness of the material that was worked, the type of activity (such as cutting, scraping or sawing), and, if possible, the type of substance that was worked. Over 90% of the evaluations regarding hardness (soft, medium, hard) and type of activity (cutting, scraping, sawing) were correct, while 66% of the evaluations of substance being worked were right. The average accuracy of 83.6% could have been improved by using comparative materials. Based on these experiments and studies it was possible to assess the tools recovered by Wimmer for indications of the hardness of the materials that were worked, the type of activities (such as cutting, scraping or sawing), and, in many instances, the types of substances that the tools were used on.

Bifacial and unifacial tools from the Wimmer collections were appraised at 20X for evidence of distinctive micro breakage, use rounding or polish. A study by Flenniken (1979:208-213) indicated that trampling often produced edge damage similar to that found on tools used by prehistoric people and that polish was absent on trampled specimens. Another study by Dickson (1991:38) also indicated that polish is not found on

trampled specimens. Therefore the presence of polish was an important criteria in deciding if a flaked tool had been used. Specimens that apparently featured use alteration were then carefully studied at 30X to 40X to evaluate the nature of the micro breakage, use rounding and use polish. Probable function was determined for each specimen based on a comparison with the experimental specimens.



additional documentation of Stockton Lake survey and assessment efforts  
can be found in Klinger et al. 1993

## ANALYSIS OF THE WIMMER LITHIC COLLECTIONS

Part of the requirements of this contract entailed a detailed analysis of artifacts collected from the surface of sites at the lake by Mr. Howard R. Wimmer. These collections were turned over to the government by Wimmer and include 2,000+ items weighing over 60 kg from 100+ sites. In addition to basic information such as provenience, counts, weights, etc., we collected data on biface morphology and examined potential tools under magnification for evidence of use-wear. Bifacial tools were also assigned to established types and/or cultural periods, where possible. The artifact descriptions here, and elsewhere in this report, are a result of this analysis. Those that follow include the Wimmer artifacts that exhibit use wear and those that are assignable to a cultural period. See Appendices A and B for detailed data relating to the analysis of the Wimmer collections. Representative examples from the sites are also illustrated.

### CEDAR COUNTY SITES

#### 23CE436

23CE436 is a prehistoric habitation exhibiting evidence of a Woodland period occupation. It was recorded by Howard Wimmer in 1986 when he collected 2 artifacts weighing 19.9 g. These included 1 bifacial knife fragment (9.2 g) and 1 projectile point/knife (10.7 g).

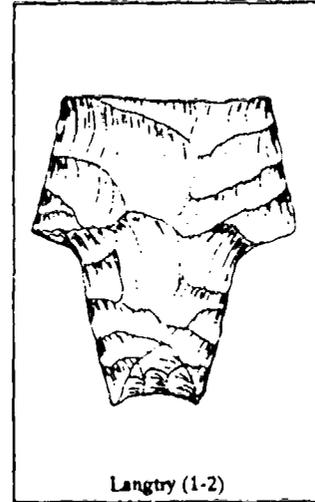
Artifact 1-1 is a projectile point/knife. It is a contracting stem corner removed specimen with a missing tip, a damaged blade, sloping shoulders and a damaged base. The tip has been carried away by an impact fracture. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 5.3 cm x 3.5 cm x 0.6 cm and it weighs 10.7 g.



The stem measures 1.8 cm x 2.5 cm and comprises about 34% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Standlee type, which is associated with the Woodland Period.

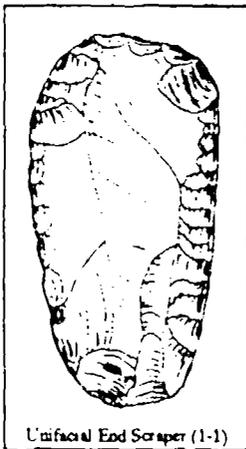
Artifact 1-2 is a bifacial knife. It is a contracting stem corner removed specimen with a missing tip, a damaged blade, sloping shoulders and a concave base. The

cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 4.0 cm x 3.3 cm x 0.6 cm and it weighs 9.2 g. The stem measures 2.0 cm x 2.0 cm and comprises 50% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen most closely resembles the Langtry type, which is associated with the Late Archaic through Woodland periods.



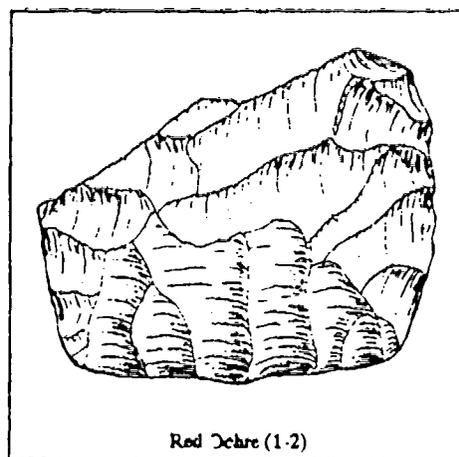
### 23CE447

23CE447 is a prehistoric habitation exhibiting evidence of Late Archaic and Mississippi Period occupations. It was recorded by Howard Wimmer in 1988 when he collected 2 artifacts weighing 43.4 g. These included 1 bifacial knife fragment (32.3 g) and 1 unifacial scraper end (11.1 g).



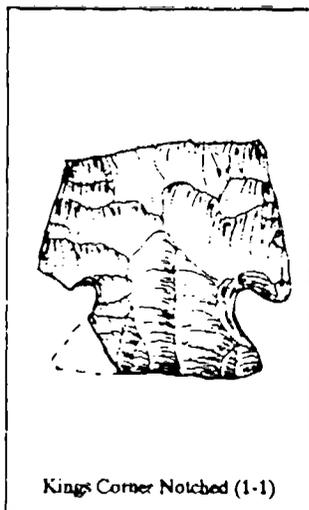
Artifact 1-1 is a unifacial end scraper. It is an unstemmed specimen with a rounded tip, an excruciate blade, no notches, no shoulders and a convex base. The cross section is plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 4.8 cm x 2.5 cm x 0.7 cm and it weighs 11.1 g. The raw material is Reeds Spring chert, which is found in southwest Missouri and northwest Arkansas into northeast Oklahoma and extreme southeast Kansas. Microscopic examination revealed wear resulting from scraping wet hide. This specimen is resharpened and is an unclassified type, which is often associated with the Mississippi Period.

Artifact 1-2 is the base of a lanceolate bifacial knife. It is an unstemmed specimen with a missing tip, a damaged blade, no notches, no shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.4 cm x 5.3 cm x 1.2 cm and it weighs 32.3 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Red Ochre type, which is associated with the Late Archaic Period.



### 23CE448

23CE448 is a prehistoric habitation exhibiting evidence of Late Archaic and Woodland Period occupations. It was visited by Howard Wimmer in 1988 when he collected 10 artifacts weighing 146.6 g. These included 3 bifacial knife fragments (18.1 g), 3 bifacial knives (25.5 g), 2 preform fragments (54.8 g), 1 aborted preform fragment (13.7 g) and 1 aborted preform (34.5 g).



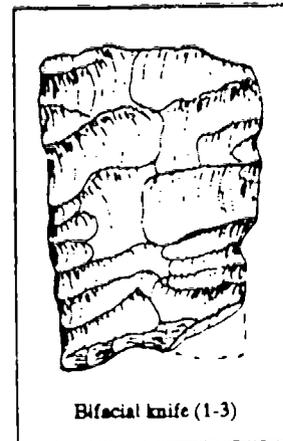
Artifact 1-1 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.3 cm x 3.4 cm x 0.5 cm and it weighs 6.2 g. The stem measures 1.0 cm long and comprises about 30% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is a variant of the Kings Corner Notched type, which is associated with the Late Archaic Period, although the stem is shorter than is usual. It is also similar to some Ensor points.

Artifact 1-2 is a bifacial knife. It is an expanding stem specimen with a pointed tip, an asymmetrical blade, corner notches, barbed shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.9 cm x 2.3 cm x 0.7 cm and it weighs 6.6 g. The stem measures 1.1 cm long and comprises about 22% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat



with bone contact. This specimen is resharpened and most closely resembles the Ellis type, which is associated with the Late Archaic or Woodland periods.

Artifact 1-3 is a lanceolate bifacial knife. It is an unstemmed specimen with a missing tip, a lanceolate blade, no notches, no shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. It expands in width toward the center where it is broken. One ear is missing also. Maximum dimensions are 4.1 cm x 2.9 cm x 0.9 cm and it weighs 12.7 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type, which probably is associated with the Late Archaic Period. It may be a preform for a Sedalia or similar biface.



Artifact 1-7 is a preform distal. It is an unstemmed specimen with a rounded tip, an excurvate blade, no notches, no shoulders and a missing base. The cross section is biconvex with edge abrading on the blade but no beveling. Maximum dimensions are 4.5 cm x 5.6 cm x 0.9 cm and it weighs 23.1 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type, not associated with a cultural period.

Artifacts cataloged as 1-8 include three biface midsection fragments. The stems and tips of these specimens are missing and the blades are damaged. None appear to have been notched and no edge abrading or beveling is evident. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. These specimens are unclassified not associated with a cultural period.

## DADE COUNTY SITES

### 23DA52

23DA52 is a prehistoric habitation exhibiting evidence of Late to Terminal Archaic Late Woodland and Mississippian Period occupations. It was recorded some time in the 1950s by Leonard Gum and visited by Howard Wimmer in 1988 when he collected 4



artifacts weighing 13.5 g. These included 1 arrow point (0.5 g), 1 biface fragment (1.6 g), 1 dart point (4.9 g) and 1 bifacial side scraper fragment (6.5 g).

Artifact 1-1 is a dart point. It is an expanding stem specimen with a missing tip, a straight blade, corner notches, square shoulders and a straight base. The cross section is biconvex with edge abrading on the base and no beveling. Maximum dimensions are 3.0

cm x 2.0 cm x 0.7 cm and it weighs 4.9 g. The stem measures 0.9 cm x 1.6 cm and comprises about 30% of the total length of the specimen. The raw material is Reeds Spring chert, which is found in southwest Missouri and northwest Arkansas into northeast Oklahoma and extreme southeast Kansas. The tip has been broken away by an impact fracture. This specimen most closely resembles the Kings Corner Notched type, which is associated with the Terminal Archaic and Woodland periods.

Artifact 1-2 is a bifacial side scraper proximal. It is a parallel stem specimen with a missing tip and blade, basal notches, barbed shoulders and a convex base. The cross section is plano-convex with edge abrading on the stem and beveling on the left edge of the blade. Maximum dimensions are 2.1 cm x 4.1 cm x 0.8 cm and it weighs 6.5 g. The stem measures 1.0 cm x 1.8 cm and comprises about 48% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from scraping wet hide. This is a flake slightly modified by unifacially beveling the left side of each blade and adding basal notches. This specimen is an unclassified type, which may be associated with the Late Archaic Period. The basal notching is suggestive of the Smith type.

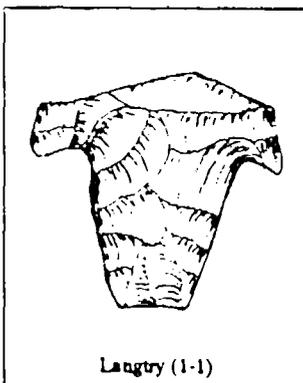
Artifact 1-3 is an arrow point. It is an expanding stem specimen with a missing tip, a straight blade, corner notches, square shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.6 cm x 0.7 cm x 0.2 cm and it weighs 0.5 g. The stem measures 0.4 cm x 0.7 cm and comprises about 25% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Scallorn type, which is associated with the Late Woodland and Mississippi periods.



Scallorn (1-3)

### 23DA63

23DA63 is a prehistoric habitation exhibiting evidence of Late Archaic and Mississippi Period occupations. It was recorded some time in the 1950s by Leonard Gum and visited by Howard Wimmer in 1988 when he collected 10 artifacts weighing 119.0 g. These included 1 stemmed biface fragment (9.7 g), 1 dart point fragment (5.5 g), 2 bifacial knife fragments (9.2 g), 1 bifacial knife (24.9 g), 4 preform fragments (64.1 g) and 1 aborted preform (5.6 g).

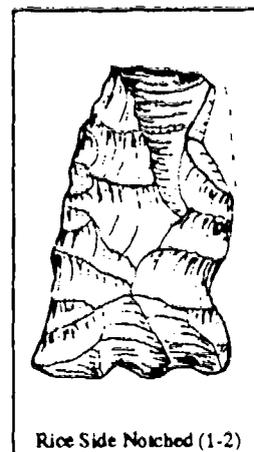


Langtry (1-1)

Artifact 1-1 is a dart point stem. It is a contracting specimen with most of the blade missing, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.0 cm x 3.3 cm x 0.6 cm and it weighs 5.5 g. The stem measures 2.1 cm x 2.0 cm and comprises about 70% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination

revealed no evidence of use-wear. This specimen most closely resembles the Langtry type, which is associated with the Late Archaic through Woodland periods.

Artifact 1-2 is a stemmed biface fragment. It is an expanding stem specimen with a missing tip, a straight blade, side notches, no shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.1 cm x 2.5 cm x 0.9 cm and it weighs 9.7 g. The stem measures 1.5 cm x 2.5 cm and comprises about 37% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen has been resharpened until all shoulders are gone and only a slight indentation indicates notching. It was not used after the last resharpening since no polish appears on the blade edges. It most closely resembles the Rice Side Notched type, which is associated with the Late Woodland Period.



Artifact 1-4 is an bifacial knife fragment. It is an unstemmed specimen with a missing tip, an excurvate blade, no notches, no shoulders and a convex base. The cross section is lenticular with no edge abrading and beveling that carries to the center of blade on the right side of each face. Maximum dimensions are 5.2 cm x 4.1 cm x 0.9 cm and it weighs 24.9 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-5 is a bifacial knife midsection. The stem and tip are missing and the excurvate blade exhibits no evidence of notches. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.4 cm x 2.7 cm x 0.7 cm and it weighs 7.8 g. The raw material is heat-treated Reeds Spring chert, which is generally found in southwest Missouri and northwest Arkansas into northeast Oklahoma and extreme southeast Kansas. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-6 is a bifacial knife distal. It has a damaged (probably once pointed) tip, a straight blade, no notches, no shoulders and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.9 cm x 1.4 cm x 0.5 cm and it weighs 1.4 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type not associated with a specific cultural period.

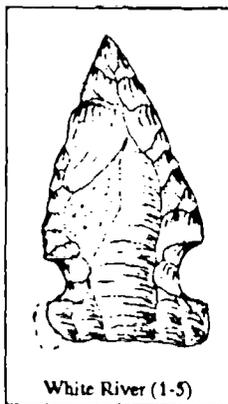
## 23DA339

23DA339 is a prehistoric habitation exhibiting evidence of a Middle Archaic Period occupation. It was recorded in 1984 by Prewitt and Associates investigators and visited by Howard Wimmer in 1990 when he collected 5 artifacts weighing 82.1 g. These included 1 dart point fragment (2.0 g), 1 dart point (5.0 g), 2 bifacial knife fragments (15.1 g) and 1 aborted preform (60.0 g).

Artifact 1-1 is a dart point stem. It is an expanding stem specimen with a missing blade, side notches, missing shoulders and a Concave base. The cross section is biconvex with edge abrading on the notches base and stem but no beveling. Maximum dimensions are 1.2 cm x 2.3 cm x 0.6 cm and it weighs 2.0 g. The stem measures 1.0 cm x 2.3 cm and comprises about 83% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type which may date to the Archaic Period.

Artifact 1-2 is a bifacial knife midsection. It has an excurvate blade, no notches and no shoulders. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.2 cm x 3.0 cm x 0.8 cm and it weighs 9.4 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-3 is a bifacial knife tip. It has a broad tip, an excurvate blade and a biconvex cross section with no edge abrading and no beveling. Maximum dimensions are 2.9 cm x 2.9 cm x 0.7 cm and it weighs 5.7 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.



Artifact 1-5 is a dart point. It is an unstemmed specimen with a pointed tip, an excurvate blade, side notches, sloping shoulders and a concave base. The cross section is biconvex with no edge abrading and bifacial beveling. Maximum dimensions are 4.0 cm x 2.2 cm x 0.7 cm and it weighs 5.0 g. The raw material is Pierson chert, which is abundant in the Branson area and may be exposed in limited areas locally. Microscopic examination revealed no evidence of use-wear. This specimen is resharpened and most closely resembles the White River type, which is associated with the Middle Archaic Period. It has been exposed to heat as evidenced by a potlid fracture on one side.

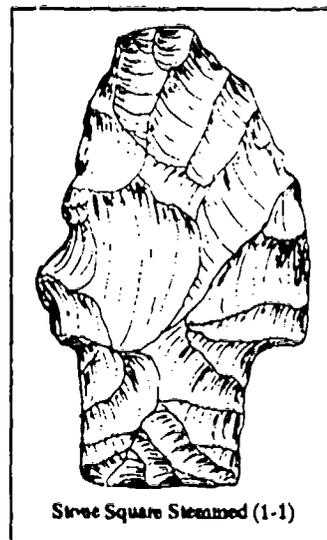
## 23DA344

23DA344 is a prehistoric lithic scatter of unknown affiliation. Wimmer collected 2 artifacts weighing 463.4 g. These included 1 flat abrader (443.4 g) and 1 preform fragment (20.0 g). Neither are associated with a specific cultural period.

## 23DA362

23DA362 is a prehistoric lithic scatter of unknown affiliation. Wimmer collected 8 artifacts weighing 61.1 g. These included 2 bifacial knife fragments (7.0 g), 1 bifacial knife (17.2 g), 4 preform fragments (32.6 g) and 1 flake scraper (4.3 g).

Artifact 1-1 is a bifacial knife. It is a corner removed parallel stem specimen with a rounded tip, an excurvate blade, sloping shoulders and a straight base. The cross section is rhomboidal with edge abrading on the stem and beveling on the right blade edge. Maximum dimensions are 6.1 cm x 3.6 cm x 0.9 cm and it weighs 17.2 g. The stem measures 2.0 cm x 2.3 cm and comprises about 33% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Stone Square Stemmed type, which is associated with the Late Archaic Period.



Artifact 1-2 is a bifacial knife. It is unstemmed with a rounded tip and a straight working edge. The cross section is plano-convex with no edge abrading and no beveling. Maximum dimensions are 2.5 cm x 2.4 cm x 0.3 cm and it weighs 1.9 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-3 is a bifacial knife midsection. It has a straight blade and a biconvex cross section with no edge abrading and no beveling. Maximum dimensions are 2.1 cm x 3.2 cm x 0.6 cm and it weighs 5.1 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-4 is a unifacially beveled flake scraper. Maximum dimensions are 3.9 cm x 3.1 cm x 0.5 cm and it weighs 4.3 g. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting

from scraping wet hide and from perforating a soft material. This specimen is not associated with a specific cultural period.

### 23DA364



Castroville (1-1)

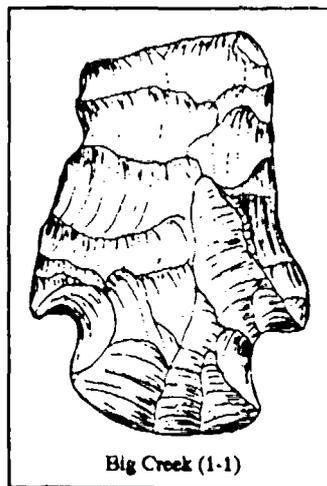
23DA364 is a prehistoric habitation exhibiting evidence of a Late Archaic Period occupation. It was recorded by Howard Wimmer in 1987 when he collected 1 bifacial knife (1-1). It is an expanding stem specimen with a broad tip, a straight blade, corner notches, barbed shoulders and a straight base. The cross section is biconvex with edge abrading on the base and stem and no beveling. Maximum dimensions are 4.8 cm x 4.6 cm x 0.9 cm and it weighs 15.7 g. The stem measures 1.3 cm x 3.1 cm and comprises about 27% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely

resembles the Castroville type, which is associated with the Late Archaic Period.

### 23DA365

23DA365 is a prehistoric habitation exhibiting evidence of a Late Archaic or Woodland Period occupation. It was recorded by Howard Wimmer in 1986 when he collected 13 artifacts weighing 156.5 g. These included 1 biface fragment (3.6 g), 1 dart point fragment (4.0 g), 3 bifacial knife fragments (32.9 g), 2 bifacial knives (19.3 g) and 6 preform fragments (96.7 g).

Artifact 1-1 is a bifacial knife. It is an expanding stem specimen with a pointed tip, a recurved blade, corner notches, barbed shoulders and a convex base. One shoulder a barb and part of one tang are missing. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 5.2 cm x 3.6 cm x 0.9 cm and it weighs 16.8 g. The stem measures 1.7 cm x 2.6 cm and comprises about 33% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Big Creek type, which is associated with the Late Archaic Period.



Big Creek (1-1)

Artifact 1-2 is a bifacial knife. It is an expanding stem specimen with a pointed tip, a recurved blade, corner notches, barbed shoulders and a straight base. The cross section is biconvex with edge abrading on the base and no beveling. One shoulder, a barb and



part of one tang are missing. Maximum dimensions are 2.8 cm x 2.0 cm x 0.5 cm and it weighs 2.5 g. The stem measures 0.5 cm x 1.1 cm and comprises about 18% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type, which resembles others associated with the Woodland Period.

Artifact 1-3 is a dart point stem. It is an expanding specimen with corner notches, missing shoulders and a concave base. The cross section is biconvex with edge abrading on the base and stem but no beveling. Most of the blade and the tip have been carried away by an impact fracture. Maximum dimensions are 2.3 cm x 2.1 cm x 0.8 cm and it weighs 4.0 g. The stem measures 1.0 cm x 2.1 cm and comprises about 43% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no use-wear. This specimen most closely resembles the Fairland type, which is associated with the Late Archaic Period.

Artifact 1-5 is a bifacial knife. It has an excurvate blade with a pointed tip, but is missing the entire proximal portion. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.8 cm x 2.2 cm x 0.8 cm and it weighs 9.1 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is resharpened and is an unclassified type not associated with a specific cultural period.

Artifact 1-6 is a bifacial knife midsection. It has a straight blade and is plano-convex in cross section with no edge abrading and no beveling. Maximum dimensions are 1.8 cm x 1.8 cm x 0.7 cm and it weighs 2.4 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is resharpened and is an unclassified type not associated with a specific cultural period.

Artifact 1-8 is a bifacial knife proximal. It is an unstemmed specimen with a missing blade and tip, no notches, no shoulders and a convex base. The cross section is plano-convex with no edge abrading and beveling on the left edge of the blade. Maximum dimensions are 4.0 cm x 4.1 cm x 0.9 cm and it weighs 21.4 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type not associated with a specific cultural period.

### 23DA366

23DA366 is a prehistoric habitation exhibiting evidence of Early to Late Archaic, Late Woodland and Mississippi Period occupations. It was recorded by Howard Wimmer

in 1987 when he collected 120 artifacts weighing 11,766.6 g. These included 1 adze (91.5 g), 4 biface fragments (27.7 g), 5 stemmed biface fragments (48.0 g), 2 unstemmed biface fragments (49.0 g), 1 dart point (3.4 g), 1 grinding basin (9,999.9 g), 1 piece of hematite (47.4 g), 15 bifacial knife fragments (115.3 g), 12 bifacial knives (183.9 g), 4 mussel shell fragments (41.0 g), 69 preform fragments (1,029.5 g), 2 preforms (23.2 g), 1 aborted preform fragment (66.4 g), 1 aborted preform (31.6 g) and 1 projectile point/knife (8.8 g).



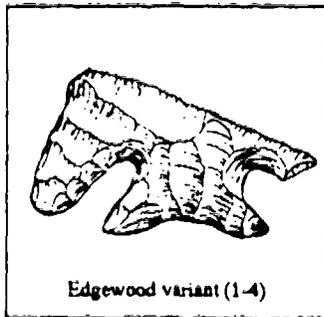
Artifact 1-1 is a bifacial knife. It is a square stemmed corner removed specimen with a pointed tip, an excruciate blade, square shoulders and a straight base. The cross section is biconvex with edge abrading on the base and stem and no beveling. Maximum dimensions are 8.7 cm x 4.1 cm x 1.1 cm and it weighs 36.2 g. The stem measures 1.6 cm x 2.5 cm and comprises about 18% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen most closely resembles the Smith type, which is associated with the Late Archaic Period.

Artifact 1-2 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, a straight blade, basal notches, barbed shoulders and a straight base. The cross section is biconvex with edge abrading on the base



but no beveling. Maximum dimensions are 3.5 cm x 4.6 cm x 0.8 cm and it weighs 14.7 g. The stem measures 1.3 cm x 2.8 cm and comprises about 37% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen most closely resembles the Marcos type, which is associated with the Late Archaic Period.

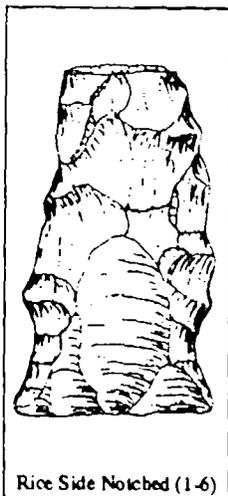
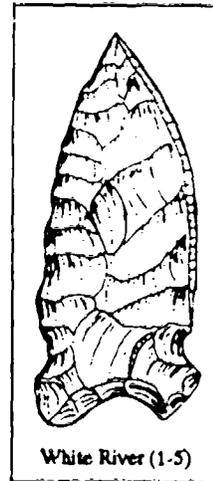
Artifact 1-3 is a bifacial knife. It is an expanding stem specimen with a rounded tip, a straight blade, corner notches, barbed shoulders (now missing) and a convex base. The cross section is biconvex with edge abrading on the base and stem and no beveling. Maximum dimensions are 6.7 cm x 3.6 cm x 0.7 cm and it weighs 22.0 g. The stem measures 1.4 cm x 3.5 cm and comprises about 21% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Marcos type, which is associated with the Late Archaic Period.



Artifact 1-4 is a bifacial knife proximal. It is an expanding stem specimen with a missing blade, basal notches, barbed shoulders and a thinned concave base. The cross section is irregular with edge abrading on the base but no beveling. Maximum dimensions are 2.0 cm x 3.5 cm x 0.6 cm and it weighs 3.8 g. The stem measures 0.9 cm x 2.2 cm and comprises about 45% of the total length of the specimen. The raw material is unidentified chert. This is a fairly rare variant of the Edgewood type found in Middle Archaic contexts

throughout Southwest Missouri and Northwest Arkansas. Basal notches angle inward and the thinned base is concave or recurved. Tangs are sharp or slightly rounded and barbs long, usually aligned with the base. Almost all of the blade is missing, but the barb margin on one side shows use wear and polish typical of cutting meat with little bone contact.

Artifact 1-5 is a projectile point/knife. It is an lobed stem specimen with a pointed tip, an excurvate blade, side notches, sloping shoulders and a concave base. The cross section is biconvex with edge abrading on the base and stem and no beveling. Maximum dimensions are 5.3 cm x 1.9 cm x 0.7 cm and it weighs 8.8 g. The stem measures 1.3 cm x 2.2 cm and comprises about 36% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. The tip has been carried away by an impact fracture. This resharpened specimen most closely resembles the White River type, which is associated with the Middle Archaic Period.



Artifact 1-6 is a bifacial knife. It is an expanding stem specimen with a missing tip, a straight blade, side notches, sloping shoulders and a straight base. The cross section is rhomboidal with edge abrading on the stem and beveling on the right blade edge. Maximum dimensions are 4.7 cm x 2.3 cm x 1.0 cm and it weighs 12.7 g. The stem measures 1.3 cm x 2.6 cm and comprises about 28% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is resharpened and most closely resembles the Rice Side Notched type, which is associated with the Woodland Period. It has been extensively resharpened, producing a slight beveling of the blade and probably could also have been classified as a Steuben.

Artifact 1-7 is a bifacial knife. It is an expanding stem specimen with a broad tip, an excurvate blade, corner notches, square shoulders and a convex base. The cross section is biconvex with edge abrading on the base and stem but no beveling. Maximum dimensions are 3.7 cm x 3.3 cm x 0.8 cm and it weighs 9.8 g. The stem measures 1.4 cm

x 3.1 cm and comprises about 38% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination at 25X revealed wear resulting from cutting meat without bone contact. This specimen is exhausted and most closely resembles the Big Creek type, which is associated with the Late Archaic Period.



Big Creek (1-7)



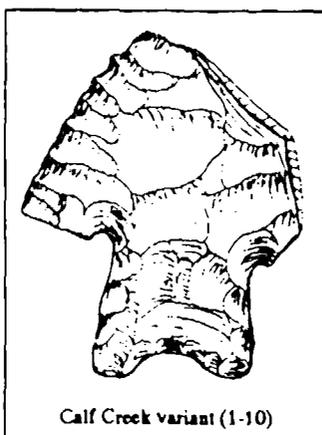
Bifacial knife (1-8)

Artifact 1-8 is a bifacial knife. It is an expanding stem specimen with a broad tip, an excurvate blade, corner notches, barbed shoulders and a concave base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.9 cm x 2.4 cm x 0.7 cm and it weighs 5.8 g. The stem measures 0.7 cm x 1.4 cm and comprises about 18% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type, which may be associated with the Woodland Period.

Artifact 1-9 is a biface fragment. It is an expanding stem specimen with a missing tip, a straight blade, corner notches, square shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.3 cm x 3.1 cm x 0.7 cm and it weighs 5.6 g. The stem measures 1.0 cm x 2.4 cm and comprises about 43% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen most closely resembles the Kings Corner Notched type, which is associated with the Late Archaic Period.



Kings Corner Notched (1-9)

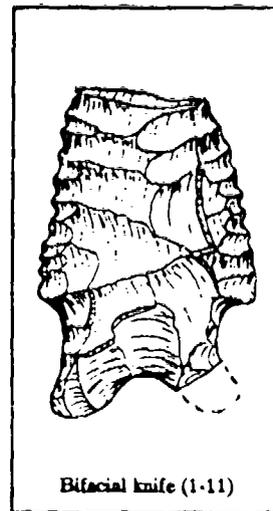


Calf Creek variant (1-10)

Artifact 1-10 is a biface fragment. It is a parallel stem specimen with a missing tip, an excurvate blade, basal notches, barbed shoulders and a concave base. The cross section is plano-convex with edge abrading on the stem and no beveling. It has been resharpened so extensively that one shoulder is missing and the blade is very short. The barbs (now missing) were very long and the blade is damaged with margin existing only on one side of the biface. It is made from a large flake. Maximum dimensions are 4.6 cm x 3.5 cm x 0.7 cm and it weighs 11.3 g. The stem measures 1.8 cm x 2.2 cm and comprises about 39% of the total length of the specimen. The raw material is Burlington chert, which is found locally.

Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is a variant of the Calf Creek type, which is associated with the Middle Archaic Period.

Artifact 1-11 is a bifacial knife. It is an expanding stem specimen with a missing tip, a serrated blade, side notches, square shoulders and a concave base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 4.3 cm x 2.8 cm x 0.7 cm and it weighs 8.2 g. The stem measures 1.5 cm x 2.0 cm and comprises about 35% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type midway in the continuum between Breckenridge and Rice Lobed. The base is deeply concave to recurved like Breckenridge but the stem edges are not alternately beveled. Serrations appear on this example, but no blade edge beveling. The tip is missing and one tang is damaged. It is probably Early Archaic in age.



Bifacial knife (1-11)

Artifact 1-12 is a bifacial knife proximal. It is a parallel stem corner removed specimen with a missing tip, a straight blade, sloping shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 5.2 cm x 3.1 cm x 0.8 cm and it weighs 15.6 g. The stem measures 1.3 cm x 2.3 cm and comprises about 25% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with much bone contact. This specimen most closely resembles the Stone square stemmed type, which is associated with the Late Archaic Period. This originally was a very long example of the type, but the tip was broken.



Dart point (1-13)

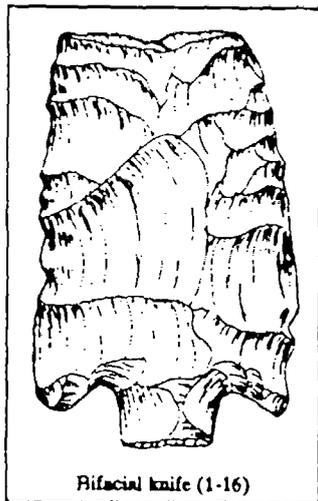
Artifact 1-13 is a small thin dart point. It is an expanding stem specimen with a missing tip, a straight blade, basal notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.2 cm x 2.3 cm x 0.4 cm and it weighs 3.4 g. The stem measures 0.6 cm x 1.4 cm and comprises about 19% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. This small and very thin biface has tip damage which could be the result of impact. Slight blade edge damage might be attributable to the same cause since no use polish seems apparent. One tang is damaged. One notch is strongly basal while the other is almost a corner notch. One barb is very long, extending below the existing base while the other is shorter. Similar points have been found in Woodland contexts.

Artifact 1-14 is a bifacial knife. It is a contracting stem specimen with a missing tip, an excurvate blade, sloping shoulders and a convex base. The cross section is plano-convex with no edge abrading and beveling on the right blade edge. Maximum dimensions are 5.9 cm x 2.9 cm x 1.1 cm and it weighs 21.8 g. The stem measures 2.2 cm x 2.2 cm and comprises about 37% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. This point has extremely damaged blade edges. Sections are snapped off and some areas show crushing. Some hinge fractures originate from the edge. No polish is apparent so its last use was probably not dismembering. It may have been used to pry something open (bivalve shells, for example). This specimen most closely resembles the Waubesa type, which is associated with the Woodland Period.



Waubesa (1-14)

Artifact 1-15 is a roughly elliptical bifacial knife. It is an unstemmed specimen with a pointed tip, an excurvate blade, no notches, no shoulders and a convex base. The cross section is rhomboidal with no edge abrading and beveling on the right blade edge. Slight indentions near the base suggest that it was hafted. Maximum dimensions are 6.2 cm x 2.3 cm x 0.9 cm and it weighs 16.3 g. The raw material is Jefferson City quartzite, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and is an unclassified type not associated with a specific cultural period.

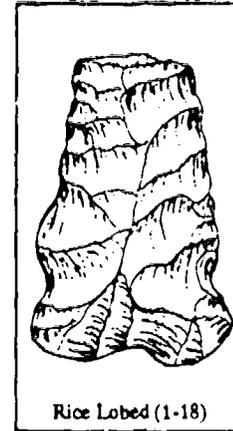


Bifacial knife (1-16)

Artifact 1-16 is a large bifacial knife. It is a parallel stem specimen with a missing tip, an excurvate blade, notching, barbed shoulders and a missing base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 5.5 cm x 3.4 cm x 0.9 cm and it weighs 20.9 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type, that may be associated with the Late Archaic Period.

Artifact 1-17 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, an excurvate blade, basal notches, barbed shoulders (now missing) and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.7 cm x 4.3 cm x 0.7 cm and it weighs 14.7 g. The stem measures 1.2 cm x 2.7 cm and comprises about 26% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear although the thinness suggests a cutting implement. It may have been broken before use. This specimen most closely resembles the Castroville type, which is associated with the Late Archaic Period.

Artifact 1-18 is a bifacial knife. It is an expanding stem specimen with a missing tip, an incurvate blade, side notches, no shoulders and a concave base. The cross section is rhomboidal with edge abrading on the base and stem and beveling on the left edge of the blade. Maximum dimensions are 3.9 cm x 2.2 cm x 0.8 cm and it weighs 9.5 g. The stem measures 1.3 cm x 2.5 cm and comprises about 33% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is resharpened so extensively that the shoulders have been removed and most closely resembles the Rice Lobed type, which is associated with the Early Archaic Period.



Rice Lobed (1-18)



Martindale (1-19)

Artifact 1-19 is a stemmed biface proximal. It is an expanding stem specimen with a missing tip, an asymmetrical blade, corner notches, barbed shoulders (one now missing) and a concave base. One edge is missing and the other is so battered that function cannot be evaluated. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.4 cm x 3.5 cm x 0.7 cm and it weighs 12.7 g. The stem measures 1.1 cm x 2.7 cm and comprises about 25% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed battering but no use-wear. This specimen most closely resembles the Martindale type, which is associated with the Late Archaic Period.

Artifact 1-20 is a bifacial knife proximal. It is an unstemmed specimen with a missing tip, a straight blade, side notches, no shoulders and a concave base. The cross section is rhomboidal with no edge abrading and beveling on the left edge of the blade. Maximum dimensions are 3.1 cm x 2.5 cm x 0.9 cm and it weighs 9.4 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-21 is thin a bifacial knife proximal. It is an expanding stem specimen with a missing blade, corner notches, missing shoulders and a straight base. One tang is missing and the other is sharp and angular. One blade edge is almost totally snapped away and the small part remaining of the other margin shows slight use rounding and some polish. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.3 cm x 2.4 cm x 0.4 cm and it weighs 3.3 g. The stem measures 0.8 cm x 1.7 cm and comprises about 35% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear

resulting from cutting meat without bone contact. This specimen most closely resembles the Ensor type, which is associated with the Late Archaic Period.

Artifact 1-24 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, an excurvate blade, corner notches, missing shoulders and a missing base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.0 cm x 3.7 cm x 0.6 cm and it weighs 8.7 g. The stem measures 0.0 cm x 0.0 cm and comprises about 0% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type resembling the Fairland or Martindale types, which are both Late Archaic types.

Artifact 1-27 is a biface stem. It is a contracting stem specimen with a missing blade, sloping shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.1 cm x 2.7 cm x 0.8 cm and it weighs 6.3 g. The stem measures 1.3 cm x 2.3 cm and comprises about 62% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from battering on the stem edges, particularly the basal edge, as if it were used as a small hammerstone, perhaps in resharpening. This specimen most closely resembles the Waubesa type, which is associated with the Woodland Period.

Artifact 1-28 is a bifacial knife distal. It has a broad tip, an excurvate blade and is missing the entire proximal portion. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.0 cm x 4.0 cm x 0.6 cm and it weighs 7.5 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type not associated with a specific cultural period.

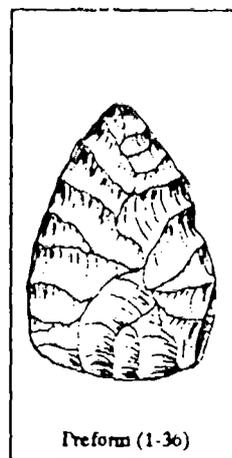
Artifact 1-29 is a bifacial knife distal. It has a pointed tip, an excurvate blade and is missing the entire proximal portion. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.6 cm x 2.0 cm x 0.6 cm and it weighs 4.4 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is resharpened and is an unclassified type not associated with a specific cultural period.

Artifact 1-30 is a bifacial knife. It has a damaged tip, a straight blade, no shoulders and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.6 cm x 2.3 cm x 0.6 cm and it weighs 8.7 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-31 is a bifacial knife midsection . It has a missing tip, an excurvate blade, unidentifiable notching, no shoulders and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.3 cm x 3.5 cm x 0.6 cm and it weighs 5.9 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-32 is a crude hafted adze. It is an unstemmed specimen with a convex tip, an excurvate blade, no shoulders and a convex base. The cross section is plano-convex with no edge abrading and no beveling. Maximum dimensions are 9.7 cm x 4.9 cm x 2.5 cm and it weighs 91.5 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from chopping. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-36 is a preform. It is an unstemmed specimen with a broad tip, an excurvate blade, no notches, no shoulders and a convex base. The cross section is biconvex with edge abrading on the blade but no beveling. Maximum dimensions are 3.6 cm x 2.3 cm x 0.5 cm and it weighs 5.3 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This is a most informative preform for either a small dart point or an arrow point. A flake has been roughly percussion flaked. Then, starting at the tip, the specimen has been carefully pressure flaked for about 2.3 cm toward the base. For an unknown reason flaking ceased here. The final product would have been quite thin. It is probably Woodland or post Woodland, but there is no way to be certain.



Artifact 1-43 is a bifacial knife stem. It is an expanding stemmed specimen with a blade, basal notches, barbed shoulders and a concave base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.7 cm x 2.6 cm x 0.5 cm and it weighs 2.8 g. The stem measures 0.5 cm x 1.8 cm and comprises about 29% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This unclassified specimen resembles other types associated with the Woodland Period. This is a fairly rare but widely distributed unnamed biface form. Basal notches are executed at an angle to form a very short expanding stem with a concave or recurved base. Massive barbs align with the base. Slight use polish can be seen on small remnant of barb/blade edge margin.

Artifact 1-44 is a bifacial knife. It is an expanding stem specimen with a pointed tip, an excurvate blade, corner notches, square shoulders and a straight base. The cross

section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.8 cm x 2.0 cm x 0.3 cm and it weighs 2.2 g. The stem measures 0.5 cm x 1.0 cm and comprises about 18% of the total length of the specimen. One corner of the stem is missing so it was once wider. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type, which may be associated with the Woodland Period.

Artifact 1-45 is a lanceolate bifacial knife. It is a parallel stem specimen with a damaged tip, an excurvate blade, shallow side notches, sloping shoulders and a convex base. The cross section is rhomboidal with no edge abrading and steep beveling on the left edge of the blade. Maximum dimensions are 6.4 cm x 3.2 cm x 0.9 cm and it weighs 18.5 g. The stem measures 1.2 cm x 2.4 cm and comprises about 19% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type not associated with a specific cultural period, although the beveling suggests an Early Archaic affiliation.

Artifact 1-47 is a bifacial knife distal. It has a pointed tip, a straight blade, no notches, missing shoulders and a missing stem and base. The cross section is biconvex with no edge abrading or beveling. Maximum dimensions are 3.7 cm x 2.2 cm x 0.7 cm and it weighs 6.0 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-48 is a broad bifacial knife distal. It has a broad tip, an excurvate blade, no notches, missing shoulders and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.5 cm x 4.1 cm x 0.8 cm and it weighs 7.6 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

### 23DA367

23DA367 is a prehistoric habitation exhibiting evidence of Late Archaic and Woodland Period occupations. It was recorded by Howard Wimmer in 1987 when he collected 8 artifacts weighing 120.0 g. These included 1 dart point fragment (8.8 g), 1 dart point (3.7 g), 1 bifacial knife fragment (12.3 g) and 5 preform fragments (95.2 g).

Artifact 1-1 is a dart point. It is an expanding stem specimen with a damaged tip, a straight blade, side notches, square shoulders and a convex base. One tang is missing. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.5 cm x 1.9 cm x 0.6 cm and it weighs 3.7 g. The stem measures 0.7 cm

x 1.3 cm and comprises about 20% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type, which is often associated with the Woodland Period.

Artifact 1-2 is a dart point stem. It is a parallel stem corner removed specimen with a missing tip, a straight blade, square shoulders (one now missing) and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.4 cm x 2.7 cm x 0.8 cm and it weighs 8.8 g. The stem measures 1.4 cm x 2.2 cm and comprises about 41% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no use-wear. The tip has been carried away by an impact fracture. This specimen most closely resembles the Stone Square Stemmed type, which is associated with the Late Archaic Period.

Artifact 1-3 is a bifacial knife distal. It has a broad tip, an excurvate blade and is missing the entire proximal portion. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.1 cm x 3.8 cm x 0.9 cm and it weighs 12.3 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

### **23DA368**

23DA368 is a prehistoric habitation exhibiting evidence of Early and Late Archaic, Woodland and Mississippi Period occupations. It was recorded by Howard Wimmer in 1987 when he collected 43 artifacts weighing 514.5 g. These included 3 stemmed biface fragments (21.3 g), 3 dart point fragments (23.5 g), 1 bifacial drill fragment (3.1 g), 1 bifacial drill (1.6 g), 12 bifacial knife fragments (105.2 g), 2 bifacial knives (30.8 g), 1 flake knife fragment (11.4 g), 3 knife/scrapper fragments (9.5 g), 1 knife/scrapper (11.5 g), 1 preform fragment (17.4 g), 13 aborted preform fragments (226.4 g), 1 projectile point/knife fragment (9.6 g) and 1 bifacial end scrapper fragment (3.2 g).

Artifact 1-1 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, an excurvate blade, corner notches, barbed shoulders and a convex base. The cross section is plano-convex with no edge abrading and no beveling. Maximum dimensions are 3.9 cm x 4.2 cm x 0.7 cm and it weighs 13.3 g. The stem measures 1.3 cm x 2.7 cm and comprises about 33% of the total length of the specimen. The raw material is Reeds Spring chert, which is generally found in southwest Missouri and northwest Arkansas into northeast Oklahoma and extreme southeast Kansas. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen most closely resembles the Lander Corner Notched type, which is associated with the Woodland Period.

Artifact 1-2 is a bifacial knife/scrapper proximal. It is an expanding stem specimen with a missing tip, a straight blade, corner notches, barbed shoulders and a straight base. It is snapped 3 cm above shoulder on one side. The opposite shoulder, barb and blade edge are missing. The cross section is biconvex with edge abrading on the base and stem but no beveling. Maximum dimensions are 4.4 cm x 3.7 cm x 0.8 cm and it weighs 18.3 g. The stem measures 1.4 cm x 2.8 cm and comprises about 32% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact and from scraping wood. This specimen most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.

Artifact 1-3 is a bifacial knife/scrapper. It is a parallel stem specimen with a missing tip, a straight blade, side notches, barbed shoulders and a straight base. The cross section is biconvex with edge abrading on the base but no beveling. Maximum dimensions are 3.4 cm x 2.8 cm x 0.8 cm and it weighs 10.0 g. The stem measures 0.7 cm x 0.8 cm and comprises about 21% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting and scraping wood. This specimen is an unclassified type, which may be associated with the Late Archaic Period. It is a rare, possibly unique, specimen with a short squared stem, one barbed and one squared shoulder and a side notch located immediately above each shoulder. It is unlike the Evans point in stem morphology.

Artifact 1-4 is a biface fragment. It is an expanding stem specimen with a missing tip, a straight blade, side notches, square shoulders (one of which is missing) and a damaged base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.9 cm x 3.2 cm x 0.7 cm and it weighs 10.0 g. The stem measures 1.2 cm x 3.0 cm and comprises about 31% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Big Creek type, which is associated with the Late Archaic Period.

Artifact 1-5 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, a straight blade, corner notches, barbed shoulders and a straight base. The cross section is biconvex with edge abrading on the base and no beveling. Maximum dimensions are 2.4 cm x 2.7 cm x 0.6 cm and it weighs 4.6 g. The stem measures 1.1 cm x 1.9 cm and comprises about 46% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Kings Corner Notched type, which is associated with the Woodland Period.

Artifact 1-6 is a dart point stem. It is an expanding stem specimen with a missing blade, corner notches, missing shoulders and a convex base. An impact fracture has removed most of the blade and blade margins and extends into the hafting area on one side. Part of base is also snapped off. The cross section is biconvex with no edge

abrading and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 3.4 cm x 2.4 cm x 0.7 cm and it weighs 8.2 g. The stem measures 1.1 cm x 2.4 cm and comprises about 32% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.

Artifact 1-7 is a dart point stem. It is an expanding stem specimen with a missing blade, corner notches, square shoulders and a straight base. The cross section is biconvex with edge abrading on the stem and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 2.7 cm x 2.8 cm x 0.9 cm and it weighs 7.5 g. The stem measures 1.6 cm x 2.8 cm and comprises about 59% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.

Artifact 1-8 is a dart point stem. It is an expanding stem specimen with a missing blade, corner notches, barbed shoulders and a convex base. One shoulder is missing due to an impact fracture. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 2.6 cm x 3.1 cm x 0.7 cm and it weighs 7.8 g. The stem measures 1.5 cm x 3.0 cm and comprises about 58% of the total length of the specimen. The raw material is yellow and gray mottled unidentified chert. Microscopic examination revealed no use-wear. This specimen most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.

Artifact 1-9 is a projectile point/knife stem. It is a parallel stem corner removed specimen with a missing tip, a straight blade, missing shoulders and a straight base. There is an impact fracture on one face. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 3.2 cm x 3.3 cm x 0.7 cm and it weighs 9.6 g. The stem measures 1.4 cm x 2.4 cm and comprises about 44% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Stone Square Stemmed type, which is associated with the Late Archaic Period.

Artifact 1-10 is a biface stem. It is a parallel stem specimen with a missing blade, square shoulders and a straight base. The cross section is unidentifiable with edge abrading on the stem but no beveling. Maximum dimensions are 1.8 cm x 2.3 cm x 0.7 cm and it weighs 3.9 g. The stem measures 1.3 cm x 1.8 cm and comprises about 72% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Stone Square Stemmed type, which is associated with the Late Archaic Period.

Artifact 1-11 is a hafted bifacial end scraper made from a broken and reworked Table Rock Stemmed point. It is an expanding stem corner removed specimen with a missing blade, square shoulders and a straight base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 2.0 cm x 2.3 cm x 0.6 cm and it weighs 3.2 g. The stem measures 1.1 cm x 1.7 cm and comprises about 55% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from scraping wet hide. This specimen most closely resembles the Table Rock Stemmed type, which is associated with the Late Archaic Period.

Artifact 1-12 is a bifacial knife/scraper midsection. It has a missing tip, an excurvate blade, square shoulders and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 5.0 cm x 3.6 cm x 0.9 cm and it weighs 21.2 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting and scraping Bone or antler. This specimen is an unclassified type that may be associated with the Late Archaic Period. This could be part of a broken Smith point, but not enough of the stem is present to be sure.

Artifact 1-13 is a bifacial knife fragment consisting of one barb and one side of the stem. It is an expanding stem specimen with a missing blade, corner notches, barbed shoulders and a convex base. The cross section is unidentifiable with edge abrading on the stem and no beveling. Maximum dimensions are 3.1 cm x 2.1 cm x 0.9 cm and it weighs 4.8 g. The stem measures 2.0 cm long and comprises about 65% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Big Creek type, which is associated with the Late Archaic Period.

Artifact 1-14 is a bifacial knife base. It is an unstemmed specimen with a missing tip, a straight blade, no notches, no shoulders and a convex base. The cross section is plano-convex with no edge abrading and no beveling. Maximum dimensions are 2.9 cm x 2.4 cm x 0.7 cm and it weighs 5.6 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. It was probably not hafted. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-15 is a bifacial drill midsection. It has a missing tip, a straight blade, no shoulders and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.9 cm x 1.2 cm x 0.6 cm and it weighs 3.1 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from perforating a soft material. This specimen is exhausted and is an unclassified type not associated with a specific cultural period.

Artifact 1-16 is a bifacial knife distal. It has a damaged tip, an excurvate blade, missing shoulders and a missing stem and base. The cross section is biconvex with no

edge abrading and no beveling. Maximum dimensions are 5.0 cm x 2.8 cm x 0.8 cm and it weighs 12.1 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-17 is a bifacial knife distal. It has a rounded tip, an excurvate blade, missing shoulders and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.1 cm x 3.9 cm x 0.7 cm and it weighs 14.6 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-18 is a bifacial knife/scrapper. It is an unstemmed specimen with a pointed tip, an excurvate blade, no notches, no shoulders and a damaged base. The cross section is biconvex with no edge abrading and beveling on the left edge of the blade. Maximum dimensions are 4.8 cm x 2.8 cm x 0.8 cm and it weighs 11.5 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact and from scraping wet hide. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-19 is a bifacial knife distal. It has a pointed tip, an excurvate blade, missing shoulders and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.6 cm x 2.7 cm x 0.7 cm and it weighs 7.4 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-20 is a bifacial knife distal. It has a pointed tip, an excurvate blade, missing shoulders and a missing stem and base. The cross section is plano-convex with no edge abrading and no beveling. Maximum dimensions are 3.2 cm x 3.2 cm x 0.7 cm and it weighs 4.9 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-21 is a bifacial knife distal. It has a pointed tip, an excurvate blade, missing shoulders and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.8 cm x 3.4 cm x 0.5 cm and it weighs 4.3 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-22 is a bifacial knife distal. It has a pointed tip, an excurvate blade, notching, no shoulders and a missing base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.5 cm x 3.0 cm x 0.7 cm and it weighs 4.5 g. The raw material is Burlington chert, which is found locally. Microscopic

examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-23 is a flake knife. Maximum dimensions are 7.0 cm x 2.0 cm x 0.7 cm and it weighs 11.4 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This is a true blade with two longitudinal arrises and much use polish and some edge crushing on margins. It resembles blades associated with the Woodland Period.

Artifact 1-25 is a bifacial knife. It is a parallel stem corner removed specimen with a missing tip, a damaged blade, barbed shoulders and a convex base. The cross section is biconvex with edge abrading on the base and stem but no beveling. Maximum dimensions are 5.4 cm x 4.2 cm x 0.9 cm and it weighs 24.3 g. The stem measures 1.5 cm x 2.3 cm and comprises about 28% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Stone Square Stemmed type, which is associated with the Late Archaic Period.

Artifact 1-26 is a bifacial knife. It is an expanding stem corner removed specimen with a missing tip, a damaged blade, square shoulders and a convex base. The cross section is biconvex with edge abrading on the base and stem but no beveling. Maximum dimensions are 3.8 cm x 2.6 cm x 0.7 cm and it weighs 6.5 g. The stem measures 1.1 cm x 1.8 cm and comprises about 29% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Kings Corner Notched type, which is associated with the Late Archaic Period.

Artifact 1-27 is a stemmed biface proximal. It is a contracting stem specimen with a missing tip, a damaged blade, no notches, missing shoulders and a damaged base. The cross section is biconvex with heavy edge abrading on the stem but no beveling. Maximum dimensions are 6.3 cm x 3.0 cm x 0.6 cm and it weighs 12.6 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type, which may be associated with the Woodland Period. Some Woodland contracting stem bifaces exhibit heavy grinding on the stem. While the Early Archaic Hidden Valley points have well-ground stems, they also have fine pressure edge treatment, often with serrations, which the Woodland bifaces do not have. The edges on this specimen are too damaged to evaluate.

Artifact 1-28 is a bifacial knife midsection. It has a missing tip, a damaged blade, no notches, missing shoulders and a missing stem and base. The cross section is diamond-shaped with no edge abrading and no beveling. Maximum dimensions are 5.0 cm x 2.3 cm x 0.7 cm and it weighs 7.6 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with

bone contact. This specimen is an unclassified type, which exhibits fine, almost parallel, pressure flaking that suggests an Early Archaic affiliation.

Artifact 1-29 is a bifacial knife distal. It has a pointed tip, an excurvate blade, no notches, no shoulders and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 5.5 cm x 33.6 cm x 0.8 cm and it weighs 16.3 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-31 is a bifacial drill. It is an unstemmed specimen with a pointed tip, a straight blade, no notches, no shoulders and a straight base. The cross section is diamond-shaped with no edge abrading and no beveling. Maximum dimensions are 3.5 cm x 1.0 cm x 0.5 cm and it weighs 1.6 g. The raw material is an unidentified chert. Microscopic examination revealed wear resulting from perforating. This specimen is an unclassified type, which is often associated with the Woodland and Mississippi periods.

### 23DA369

23DA369 is a prehistoric habitation exhibiting evidence of Late Archaic, Middle Woodland and Mississippi Period occupations. It was recorded by Howard Wimmer in 1987 when he collected 7 artifacts weighing 32.2 g. These included 1 arrow point fragment (0.8 g), 1 arrow point (0.9 g), 1 stemmed biface fragment (14.2 g), 2 dart point fragments (9.9 g), 1 aborted preform fragment (1.7 g) and 1 flake scraper fragment (4.7 g).

Artifact 1-1 is a stemmed biface proximal. It is an expanding stem specimen with a missing tip, an excurvate blade, side notches, sloping shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.2 cm x 3.0 cm x 0.9 cm and it weighs 14.2 g. The stem measures 1.4 cm x 2.7 cm and comprises about 33% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from battering. This specimen most closely resembles the Gibson type, which is associated with the Woodland Period.

Artifact 1-2 is a dart point stem. It is an expanding stem specimen with a missing tip, a straight blade, missing shoulders and a straight base. This is a thin dart point with an impact fracture and damage to both edges and barbs. The cross section is biconvex with edge abrading on the base and stem and no beveling. Maximum dimensions are 2.8 cm x 2.6 cm x 0.5 cm and it weighs 5.1 g. The stem measures 1.1 cm x 2.4 cm and comprises about 39% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is a variant of the Fairland type, which is associated with the Late Archaic Period. Most Fairland points have more concave bases.

Artifact 1-3 is a dart point stem. It is an expanding stem specimen with a missing tip, a straight blade, corner notches, square shoulders and a straight base. The tip has been carried away by an impact fracture. The cross section is biconvex with edge abrading on the base and stem but no beveling. Maximum dimensions are 2.6 cm x 2.1 cm x 0.6 cm and it weighs 4.8 g. The stem measures 1.0 cm x 2.1 cm and comprises about 38% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no use-wear. This specimen is extensively resharpened and most closely resembles the Kings Corner Notched type, which is associated with the Late Archaic Period.

Artifact 1-4 is an arrow point stem. It is an expanding stem specimen with a missing tip, a straight serrated blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.5 cm x 1.0 cm x 0.4 cm and it weighs 0.8 g. The stem measures 0.5 cm x 0.9 cm and comprises about 33% of the total length of the specimen. The raw material is a variety of Reeds Spring chert found in McDonald County, Missouri. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Sequoyah type, which is associated with the Mississippi Period.

Artifact 1-5 is a aborted preform proximal. It is an unstemmed specimen with a missing blade, no notches, no shoulders and a missing base. The cross section is rhomboidal with no edge abrading and beveling on the left edge of the blade. Maximum dimensions are 2.2 cm x 1.3 cm x 0.4 cm and it weighs 1.7 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This is the distal portion of a preform for an arrow point.

Artifact 1-6 is a flake scraper. Maximum dimensions are 2.8 cm x 2.3 cm x 0.6 cm and it weighs 4.7 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from scraping dry hide. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-7 is an arrow point. It is an expanding stem specimen with a pointed tip, an incurvate blade, side notches, square shoulders and a concave base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.6 cm x 1.1 cm x 0.3 cm and it weighs 0.9 g. The stem measures 0.5 cm x 0.9 cm and comprises about 19% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Sallisaw type, which is associated with the Mississippi Period.

### 23DA370

23DA370 is a prehistoric habitation exhibiting evidence of Late to Terminal Archaic and Late Woodland Period occupations. It was recorded by Howard Wimmer in 1987 when he collected 22 artifacts weighing 235.7 g. These included 2 biface fragments

(3.0 g), 11 bifacial knife fragments (129.2 g), 1 bifacial knife (21.0 g), 7 preform fragments (74.3 g) and 1 projectile point/knife fragment (8.2 g).

Artifact 1-1 is a bifacial knife proximal. It is a parallel stem specimen with a missing tip, a straight blade, square shoulders and a straight base. The cross section is plano-convex with edge abrading on the stem and no beveling. Maximum dimensions are 4.3 cm x 3.8 cm x 1.0 cm and it weighs 18.3 g. The stem measures 1.9 cm x 2.2 cm and comprises about 44% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Stone Square Stemmed type, which is associated with the Late Archaic Period.

Artifact 1-2 is a bifacial knife proximal. It is a corner removed parallel stem specimen with a missing tip, a straight blade, square shoulders and a straight base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 4.8 cm x 3.4 cm x 0.9 cm and it weighs 19.4 g. The stem measures 1.5 cm x 2.0 cm and comprises about 31% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Stone Square Stemmed type, which is associated with the Late Archaic Period.

Artifact 1-3 is a projectile point/knife proximal. It is a parallel stem specimen with a missing tip, an excurvate blade, sloping shoulders and a straight base. The cross section is biconvex with edge abrading on the base and stem but no beveling. The tip has been carried away by an impact fracture. One shoulder is missing, possibly due to the impact fracture or to arduous dismembering activity. Maximum dimensions are 3.2 cm x 2.9 cm x 0.8 cm and it weighs 8.2 g. The stem measures 1.1 cm x 1.7 cm and comprises about 34% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Table Rock Stemmed type, which is associated with the Late Archaic Period.

Artifact 1-4 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, an excurvate blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with edge abrading on the base and stem but no beveling. Maximum dimensions are 3.7 cm x 3.5 cm x 0.9 cm and it weighs 13.9 g. The stem measures 1.4 cm x 2.7 cm and comprises about 38% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Lander Corner Notched type, which is associated with the Woodland Period.

Artifact 1-5 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, a straight blade, shallow wide side notches, sloping shoulders and a concave

base. Both tangs are damaged. The cross section is biconvex with edge abrading on the Notches and no beveling. Maximum dimensions are 5.3 cm x 2.7 cm x 0.6 cm and it weighs 12.0 g. The stem measures 2.0 cm x 2.9 cm and comprises about 38% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen most closely resembles the Rice Side Notched type, which is associated with the Late Woodland Period.

Artifact 1-6 is a bifacial knife proximal. It is a contracting stem specimen with a missing tip, a recurved blade, sloping shoulders and a concave base. The cross section is biconvex with edge abrading on the base and stem but no beveling. Maximum dimensions are 3.8 cm x 3.7 cm x 0.9 cm and it weighs 13.4 g. The stem measures 1.8 cm x 2.9 cm and comprises about 47% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen most closely resembles the Standlee type, which begins during the Terminal Archaic, but is most common in Woodland times.

Artifact 1-7 is a bifacial knife proximal. It is a contracting stem specimen with a missing tip, a recurved blade, sloping shoulders and a straight base. The cross section is biconvex with edge abrading on the base and stem but no beveling. Maximum dimensions are 4.4 cm x 3.6 cm x 0.8 cm and it weighs 10.3 g. The stem measures 1.7 cm x 2.9 cm and comprises about 39% of the total length of the specimen. The raw material is heat-treated Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen most closely resembles the Standlee type, which is associated with the Woodland Period.

Artifact 1-8 is a bifacial knife midsection. It has a missing tip, a recurved blade, corner notches, barbed shoulders and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.9 cm x 3.1 cm x 0.7 cm and it weighs 7.9 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-9 is a bifacial knife distal. It has a pointed tip, an excurve blade. The shoulders, stem and base are missing. The cross section is plano-convex with no edge abrading and no beveling. Maximum dimensions are 4.5 cm x 3.1 cm x 0.7 cm and it weighs 8.0 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-10 is a bifacial knife midsection. It has a straight blade, but the tip, shoulders stem and base are missing. The cross section is biconvex with no edge abrading

and no beveling. Maximum dimensions are 4.9 cm x 3.0 cm x 0.7 cm and it weighs 13.9 g. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-11 is a bifacial knife midsection. It has an excurvate blade, but the tip, shoulders, stem and base are missing. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.7 cm x 2.3 cm x 0.8 cm and it weighs 7.2 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type not associated with a specific cultural period.

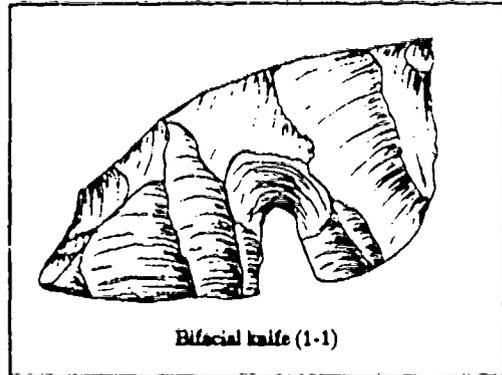
Artifact 1-12 is a bifacial knife tip. It has a broad tip, an excurvate blade, but the shoulders, stem and base are missing. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.7 cm x 3.3 cm x 0.7 cm and it weighs 4.9 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-13 is a bifacial knife. This is a small heat treated pebble that has been bifacially flaked to a sharp edge on the base part. The cross section is not identifiable and there is no edge abrading or beveling. Maximum dimensions are 3.7 cm x 4.0 cm x 1.8 cm and it weighs 21.0 g. The raw material is heat-treated oolitic Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type not associated with a specific cultural period. Cortex still appears at the opposite end where the thickness is greatest.

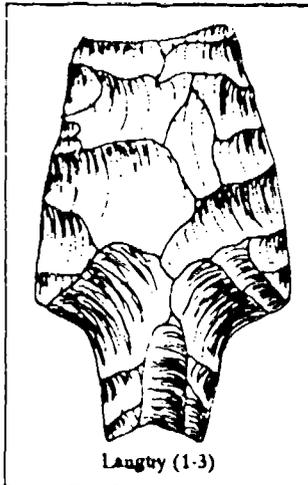
### 23DA371

23DA371 is a prehistoric habitation exhibiting evidence of Middle to Terminal Archaic, Middle to Late Woodland and Early Mississippi Period occupations. It was recorded by Howard Wimmer in 1987 when he collected 285 artifacts weighing 5,646.1 g. These included 2 flat abraders (1,175.8 g), 3 adze fragments (56.7 g), 2 adzes (163.0 g), 4 arrow points (6.4 g), 8 biface fragments (46.2 g), 18 stemmed biface fragments (73.0 g), 2 stemmed biface (17.1 g), 1 unstemmed biface fragment (24.0 g), 2 tested cobbles (195.4 g), 1 core (86.6 g), 8 dart point fragments (65.8 g), 2 dart points (19.1 g), 2 bifacial drill fragments (11.5 g), 1 bifacial drill (4.2 g), 73 bifacial knife fragments (602.2 g), 27 bifacial knives (395.6 g), 1 knife/scrapper (12.7 g), 1 knife/flake scrapper fragment (18.0 g), 105 preform fragments (2,231.4 g), 1 preform (31.4 g), 4 projectile point/knife fragments (24.0 g), 4 projectile point/knives (46.0 g), 1 bifacial end scrapper fragment (27.6 g), 3 bifacial end scrapper (56.1 g), 1 scrapper, bifacial fragment (27.7 g), 2 bifacial side scrapers fragment (44.7 g), 1 bifacial side scrapper (8.7 g), 1 core scrapper (55.9 g), 3 flake scrapers (84.8 g) and 1 flake scrapper fragment (34.5 g).

Artifact 1-1 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip and blade, basal notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.3 cm x 5.3 cm x 0.8 cm and it weighs 13.0 g. The stem measures 1.0 cm x 3.0 cm and comprises about 30% of the total length of the specimen. The raw material is heat-treated Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This is an unusual type featuring narrow basal notches, massive barbs and a very wide thin blade. The notches are too narrow and the stem too expanding to fit into the Ouachita type and the stem is too short and barbs too rounded to represent the Smith type. Its thinness and broad blade suggests a Woodland affiliation.



Artifact 1-2 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, an excurvate blade, basal notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.5 cm x 3.8 cm x 0.7 cm and it weighs 10.3 g. The stem measures 0.5 cm x 2.0 cm and comprises about 14% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is the same type as 1-1, but the notches are more shallow.



Artifact 1-3 is a bifacial knife. It is a corner removed contracting stem specimen with a missing tip, an excurvate blade, sloping shoulders and a concave base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 5.4 cm x 3.4 cm x 0.8 cm and it weighs 15.9 g. The stem measures 1.5 cm x 2.0 cm and comprises about 28% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen most closely resembles the Langtry type, which is associated with the Late Archaic through Woodland periods.

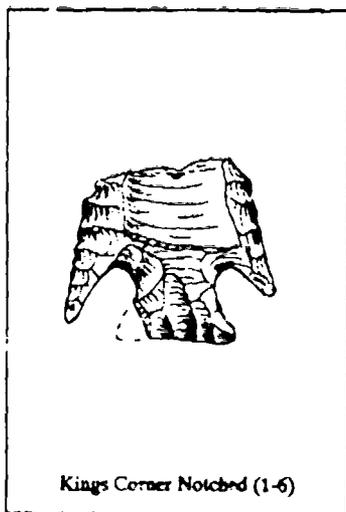
Artifact 1-4 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, an excurvate blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.7 cm x 4.9 cm x 1.0 cm and it weighs 16.6 g. The stem measures 1.5 cm x 3.3 cm and comprises about 41% of the total length of the specimen. The raw material is heat-

treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.

Artifact 1-5 is a projectile point/knife stem. It is a corner removed parallel stem specimen with a missing tip, an incurvate blade, barbed shoulders and a straight base. The tip has been carried away by an impact fracture. The cross section is biconvex with edge abrading on the base and stem and no beveling. Maximum dimensions are 3.5 cm x 3.0 cm x 0.6 cm and it weighs 6.8 g. The stem measures 1.1 cm x 2.0 cm and comprises about 31% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen most closely resembles the Stone Square Stemmed-like type, which is associated with the Late Archaic Period.



Stone Square Stemmed (1-5)



Kings Corner Notched (1-6)

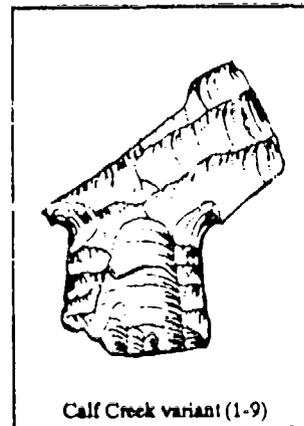
Artifact 1-6 is a projectile point/knife stem. It is an expanding stem specimen with a missing tip, a straight blade, corner notches, barbed shoulders and a straight base. The tip and part of the blade have been carried away by an impact fracture. The cross section is biconvex with edge abrading on the base and no beveling. Maximum dimensions are 2.3 cm x 3.8 cm x 0.6 cm and it weighs 3.4 g. The stem measures 0.9 cm x 1.1 cm and comprises about 39% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen most closely resembles the Kings Corner Notched type, which is associated with the Late Archaic Period.

Artifact 1-7 is a dart point stem. It is a corner removed contracting stem specimen with a missing tip, a straight blade, sloping shoulders and a concave base. The tip has been carried away by an impact fracture. The cross section is biconvex with edge abrading on the base and stem and no beveling. Maximum dimensions are 4.8 cm x 3.4 cm x 0.8 cm and it weighs 12.6 g. The stem measures 2.0 cm x 2.1 cm and comprises about 42% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no use-wear. This specimen most closely resembles the Langtry type, which is associated with the Late Archaic through Woodland periods.

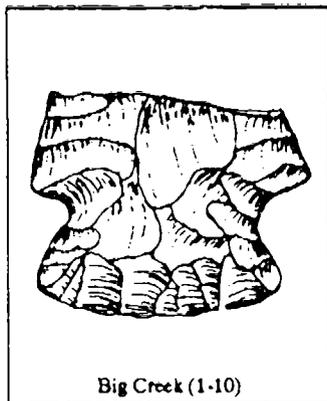
Artifact 1-8 is a dart point stem. It is a corner removed contracting stem specimen with a missing tip, a damaged blade, missing shoulders and a concave base. The tip has

been carried away by an impact fracture. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 4.1 cm x 3.0 cm x 0.7 cm and it weighs 8.5 g. The stem measures 1.8 cm x 2.0 cm and comprises about 44% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no use-wear. This specimen most closely resembles the Langtry type, which is associated with the Late Archaic through Woodland periods.

Artifact 1-9 is a bifacial knife proximal. It is a parallel stem specimen with a missing tip, a damaged blade, basal notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.0 cm x 3.2 cm x 0.9 cm and it weighs 8.8 g. The stem measures 1.8 cm x 2.0 cm and comprises about 45% of the total length of the specimen. The raw material is heat-treated Jefferson City, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is a variant of the Calf Creek variant type, which is associated with the Middle Archaic Period.



Calf Creek variant (1-9)



Big Creek (1-10)

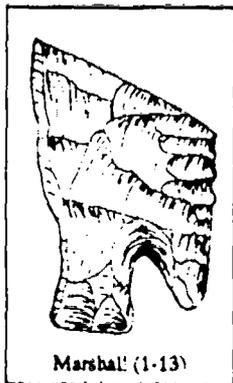
Artifact 1-10 is a stemmed biface proximal. It is an expanding stem specimen with a missing tip and blade, side notches, square shoulders and a convex base. The cross section is biconvex with edge abrading on the base but no beveling. Maximum dimensions are 3.1 cm x 3.6 cm x 0.8 cm and it weighs 11.9 g. The stem measures 1.4 cm x 3.2 cm and comprises about 45% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Big Creek type, which is associated with the Late Archaic Period.

Artifact 1-11 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a straight base. The cross section is diamond-shaped with no edge abrading and no beveling. Maximum dimensions are 4.0 cm x 2.6 cm x 1.2 cm and it weighs 13.4 g. The stem measures 1.1 cm x 1.7 cm and comprises about 28% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Kings Corner Notched type, which is associated with the Late Archaic Period. It is unusually thick and crude because the chert was difficult to work.



Kings Corner Notched (1-11)

Artifact 1-12 is a bifacial knife proximal. It is a parallel stem specimen with a missing tip, a damaged blade, barbed shoulders and a straight base. The cross section is biconvex with edge abrading on the base and stem and no beveling. Maximum dimensions are 2.6 cm x 2.7 cm x 0.7 cm and it weighs 5.5 g. The stem measures 1.2 cm x 1.9 cm and comprises about 46% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is a variant of the Stone Square Stemmed type, which is associated with the Late Archaic Period.



Artifact 1-13 is a bifacial knife proximal. It is a parallel stem specimen with a missing tip, a straight blade, basal notches, barbed shoulders and a straight base. The cross section is biconvex with edge abrading on the base and no beveling. Maximum dimensions are 3.8 cm x 2.3 cm x 0.8 cm and it weighs 7.6 g. The stem measures 1.1 cm x 0.0 cm and comprises about 29% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Marshall type, which is associated with the Late Archaic Period.

Artifact 1-14 is a bifacial end scraper. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, no shoulders and a concave base. The cross section is unidentifiable with edge abrading on the base and no beveling. Maximum dimensions are 2.8 cm x 2.8 cm x 0.8 cm and it weighs 7.3 g. The stem measures 1.0 cm x 2.7 cm and comprises about 36% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from scraping wet hide. This specimen is a broken unrecognized side notched point that has been reworked into scraper by unifacial percussion work. It is an unclassified type not associated with a specific cultural period.

Artifact 1-15 is a bifacial knife. It is an unstemmed specimen with a missing tip, a damaged blade, no notches, no shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.9 cm x 2.3 cm x 0.9 cm and it weighs 9.7 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a cultural period.

Artifact 1-16 is a biface stem. It is a corner removed contracting stem specimen with a missing tip and blade, missing shoulders and a straight base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 2.2 cm x 2.8 cm x 0.7 cm and it weighs 4.0 g. The stem measures 1.8 cm x 2.0 cm and comprises about 82% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence

of use-wear. This specimen most closely resembles the Langtry type, which is associated with the Late Archaic through Woodland periods.

Artifacts cataloged as 1-17 include five biface stems. These items have expanding stems with missing tips and blades, corner notches, barbed shoulders and missing bases. No edge abrading and no beveling are present. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. These specimens most closely resemble the Big Creek type, which is associated with the Late Archaic Period.

Artifacts cataloged as 1-18 include ten bifacial knife midsections. All have missing tips, damaged blades, no shoulders and missing stems and bases. Cross sections are biconvex with no edge abrading and no beveling. Raw materials include heat-treated Jefferson City and heat-treated Burlington cherts, both of which are found locally. Microscopic examination revealed that these tools were used to cut meat with bone contact. These specimens are of an unclassified type not associated with a specific cultural period.

Artifacts cataloged as 1-20 include three bifacial knife midsections. All have missing tips, damaged blades, no shoulders and missing stems and bases. None exhibit edge abrading or beveling. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. These specimens are of an unclassified type not associated with a specific cultural period.

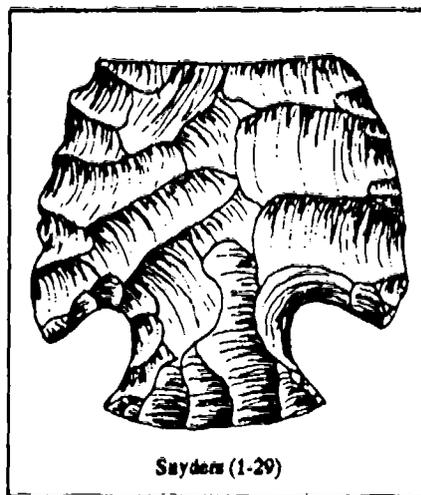
Artifact 1-25 is an adze bit. It is an unstemmed specimen with a rounded tip, an excurvate blade, no notches, no shoulders and a convex base. The cross section is plano-convex with no edge abrading and no beveling. Maximum dimensions are 2.9 cm x 3.9 cm x 1.0 cm and it weighs 11.9 g. The raw material is unidentified heat-treated yellowish chert that is similar to some Kansas types. Microscopic examination revealed wear resulting from cutting wood. This specimen is exhausted and is an unclassified type not associated with a specific cultural period.

Artifact 1-26 is an adze proximal. It is an unstemmed specimen with a missing tip, an excurvate blade, no shoulders and a convex base. The cross section is plano-convex with no edge abrading and no beveling. Maximum dimensions are 4.0 cm x 3.0 cm x 1.2 cm and it weighs 15.5 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting wood. This specimen is exhausted and is an unclassified type not associated with a specific cultural period.

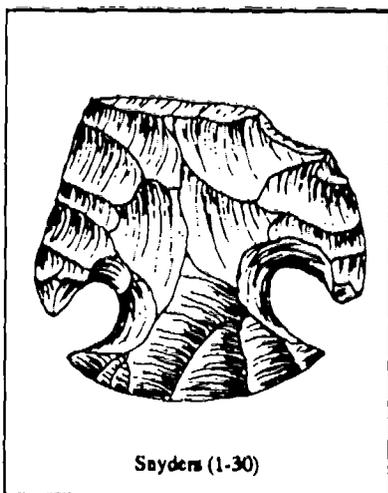
Artifact 1-27 is an adze proximal. It is an unstemmed specimen with a missing tip, an excurvate blade, no shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.1 cm x 4.1 cm x 1.5 cm and it weighs 29.3 g. The raw material is heat-treated Burlington chert, which is found

locally. Microscopic examination revealed wear resulting from cutting wood. This specimen is exhausted and is an unclassified type that resembles adzes found in the Middle Woodland deposits at the Albertson site (3BE174; Dickson 1991:118).

Artifact 1-29 is a bifacial knife. It is an expanding stem specimen with a missing tip, an excurvate blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.8 cm x 4.9 cm x 0.9 cm and it weighs 23.2 g. The stem measures 1.4 cm x 3.0 cm and comprises about 29% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Snyders type, which is associated with the Middle Woodland Period.



Snyders (1-29)



Snyders (1-30)

Artifact 1-30 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.9 cm x 4.4 cm x 0.8 cm and it weighs 13.6 g. The stem measures 1.6 cm x 3.2 cm and comprises about 41% of the total length of the specimen. The raw material is an unidentified very fossiliferous brown and tan heat-treated chert that which is not found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Snyders type, which is associated with the Middle Woodland Period.

Artifact 1-31 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with edge abrading on the base and stem and no beveling. Maximum dimensions are 3.5 cm x 4.5 cm x 1.0 cm and it weighs 16.9 g. The stem measures 1.5 cm x 3.4 cm and comprises about 43% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Snyders type, which is associated with the Middle Woodland Period.

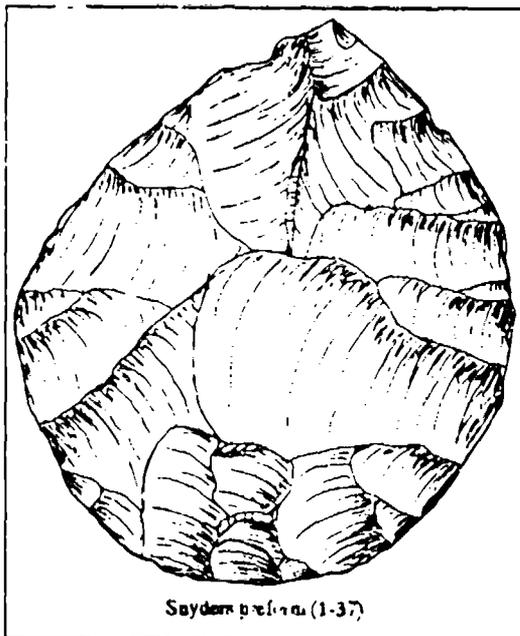
Artifact 1-32 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a convex base. The cross section is plano-convex with no edge abrading and one unifacially beveled edge that has not been completely reduced. Maximum dimensions are 4.0 cm x 5.7 cm x 1.0 cm and

it weighs 22.2 g. The stem measures 1.4 cm x 3.3 cm and comprises about 35% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Snyders type, which is associated with the Middle Woodland Period. Apparently, it was broken in manufacture.



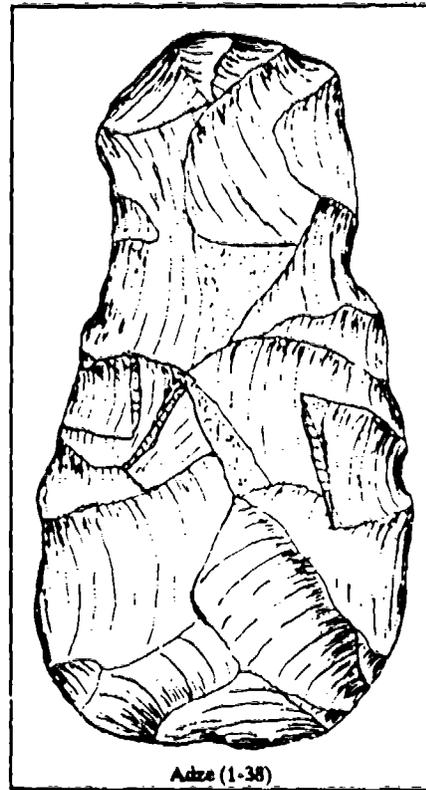
Artifact 1-33 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders (one missing) and a convex base with missing tangs. Potlid fractures are present, indicating exposure to heat after manufacture. The cross section is biconvex with edge abrading on the base but no beveling. Maximum dimensions are 3.1 cm x 4.4 cm x 0.7 cm and it weighs 9.4 g. The stem measures 1.4 cm x 2.7 cm and comprises about 45% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Snyders type, which is associated with the Middle Woodland Period.

Artifact 1-34 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.1 cm x 3.8 cm x 0.7 cm and it weighs 12.6 g. The stem measures 1.2 cm x 2.9 cm and comprises about 29% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Snyders type, which is associated with the Middle Woodland Period.



Artifact 1-37 is a bifacial knife. It is an unstemmed specimen with a pointed tip, an excurvate blade, no notches, no shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 7.3 cm x 6.0 cm x 1.6 cm and it weighs 60.3 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen may be a preform for a Woodland Period Snyders point.

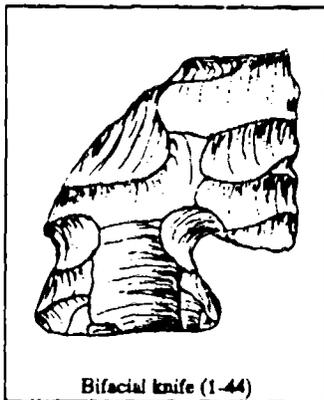
Artifact 1-38 is an adze. It is an unstemmed specimen with a rounded tip, an excurvate blade, no shoulders and a convex base. The cross section is plano-convex with no edge abrading and no beveling. Maximum dimensions are 9.3 cm x 4.8 cm x 2.2 cm and it weighs 86.8 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting wood as well as some battering. This specimen is an unclassified type not associated with a specific cultural period.



Adze (1-38)

Artifacts cataloged as 1-40 include 17 bifacial knife midsections. All have missing tips, excurvate blades, no shoulders and missing stems and bases. None exhibit edge abrading or beveling. Raw materials include heat-treated Jefferson City and Burlington chert (both heat-treated and non heat-treated) both of which are found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. These specimens are an unclassified type not associated with a specific cultural period.

Artifact 1-42 is a bifacial knife distal. It has a broad tip, an excurvate blade and is missing the entire proximal portion. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.2 cm x 5.2 cm x 1.0 cm and it weighs 22.7 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.



Bifacial knife (1-44)

Artifact 1-44 is a bifacial knife. It is an expanding stem specimen with a missing tip, a straight blade, corner notches, barbed shoulders and a recurved base. The cross section is biconvex with edge abrading on the base and stem and no beveling. Maximum dimensions are 3.7 cm x 3.5 cm x 0.9 cm and it weighs 11.7 g. The stem measures 1.3 cm x 2.5 cm and comprises about 35% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no use-wear but some battering. This specimen is an unclassified type, which resembles others associated with the Middle Archaic Period.

The lobed base suggests the Rice type, but there is no beveling or serrating. There is some similarity to the Jakie type, but the latter usually has a more concave base. Comparable specimens were found in Middle Archaic levels at the Pohly site (34MY54) in Mayes County, Oklahoma (Ray 1965:Plate 16, 9-12).

Artifact 1-45 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip and blade, corner notches, barbed shoulders and a recurved base. The cross section is biconvex with edge abrading on the base and stem and no beveling. Maximum dimensions are 2.0 cm x 3.8 cm x 0.7 cm and it weighs 7.6 g. The stem measures 1.3 cm x 2.7 cm and comprises about 65% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type, that resembles others associated with the Middle Archaic Period.

Artifact 1-46 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a recurved base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.7 cm x 3.9 cm x 0.9 cm and it weighs 12.4 g. The stem measures 1.2 cm x 2.4 cm and comprises about 32% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type, that resembles others associated with the Middle Archaic Period.

Artifact 1-47 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.9 cm x 3.3 cm x 0.7 cm and it weighs 5.1 g. The stem measures 1.2 cm x 2.3 cm and comprises about 41% of the total length of the specimen. The raw material is Reeds Spring chert, which is found in southwest Missouri and northwest Arkansas into northeast Oklahoma and extreme southeast Kansas. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Snyders type, which is associated with the Middle Woodland Period, although the tangs are more rounded and notches slightly narrower than in typical Snyders bifaces.

Artifact 1-48 is a bifacial knife. It is an expanding stem specimen with a missing tip and blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.5 cm x 3.0 cm x 0.7 cm and it weighs 6.4 g. The stem measures 1.3 cm x 2.5 cm and comprises about 52% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Snyders type, which is associated with the Middle Woodland Period.

Artifact 1-49 is a bifacial knife. It is an expanding stem specimen with a missing tip, an excurvate blade, side notches, square shoulders and a convex base. The tip has been carried away by an impact fracture. The cross section is biconvex with edge abrading on the base and stem and no beveling. Maximum dimensions are 3.8



cm x 2.6 cm x 0.8 cm and it weighs 9.1 g. The stem measures 3.3 cm x 2.2 cm and comprises about 87% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Steuben type, which is associated with the Woodland Period.



Stone Corner Notched (1-50)

Artifact 1-50 is a bifacial knife/scrapper. It is an expanding stem specimen with a missing tip, an excurvate blade, corner notches, square shoulders and a straight base. The cross section is biconvex with edge abrading on the base and stem and no beveling. Maximum dimensions are 3.7 cm x 4.0 cm x 0.8 cm and it weighs 12.7 g. The stem measures 1.2 cm x 2.6 cm and comprises about 32% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact and from scraping wet hide. This specimen most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.

Artifact 1-51 is a bifacial knife proximal. It is a contracting stem specimen with a missing tip and blade, sloping shoulders and a concave base. The cross section is biconvex with edge abrading on the base and stem but no beveling. Maximum dimensions are 5.9 cm x 2.6 cm x 0.6 cm and it weighs 10.7 g. The stem measures 2.0 cm x 2.2 cm and comprises about 34% of the total length of the specimen. The raw material is unidentified tan and light gray chert with gray inclusions. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Langtry type, which is associated with the Late Archaic through Woodland periods.

Artifact 1-52 is a bifacial knife proximal. It is a corner removed contracting stem specimen with a missing tip, a damaged blade, sloping shoulders and a concave base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.4 cm x 2.8 cm x 0.6 cm and it weighs 6.6 g. The stem measures 1.7 cm x 2.0 cm and comprises 50% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen most closely resembles the Langtry type, which is associated with the Late Archaic through Woodland periods.

Artifact 1-53 is a bifacial knife proximal. It is a contracting stem specimen with a missing tip and blade, square shoulders and a straight base. The cross section is biconvex with edge abrading on the base and stem but no beveling. Maximum dimensions are 2.9 cm x 4.0 cm x 0.7



Dickson (1-53)

cm and it weighs 6.9 g. The stem measures 2.0 cm x 2.0 cm and comprises about 69% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Dickson type, which is associated with the Middle Woodland Period.

Artifact 1-54 is a bifacial knife proximal. It is a contracting stem specimen with a missing tip, a damaged blade, sloping shoulders and a straight base. The cross section is plano-convex with edge abrading on the stem but no beveling. Maximum dimensions are 4.0 cm x 3.2 cm x 0.6 cm and it weighs 7.2 g. The stem measures 1.8 cm x 2.0 cm and comprises about 45% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen most closely resembles the Dickson type, which is associated with the Middle Woodland Period.



Artifact 1-55 is a bifacial knife. It is a contracting stem specimen with a missing tip, a damaged blade, sloping shoulders and a concave base. The cross section is diamond-shaped with edge abrading on the base and stem and beveling on the left edge of the blade. Maximum dimensions are 4.1 cm x 3.3 cm x 0.7 cm and it weighs 8.0 g. The stem measures 1.6 cm x 2.3 cm and comprises about 39% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Standlee type, which is associated with the Woodland Period.

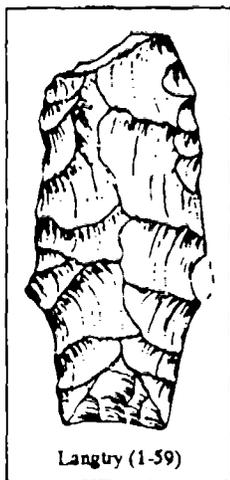
Artifact 1-56 is a bifacial knife. It is a contracting stem specimen with a missing tip, a damaged blade, sloping shoulders and a concave base. The cross section is biconvex with edge abrading on the stem but no beveling. Maximum dimensions are 4.4 cm x 3.7 cm x 0.7 cm and it weighs 12.3 g. The stem measures 1.5 cm x 2.4 cm and comprises about 34% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Standlee type, which is associated with the Woodland Period.



Artifact 1-57 is a bifacial knife proximal. It is a contracting stem specimen with a missing tip, a damaged blade, sloping shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.5 cm x 4.0 cm x 0.7 cm and it weighs 11.2 g. The stem measures 2.2 cm x 2.9 cm and comprises

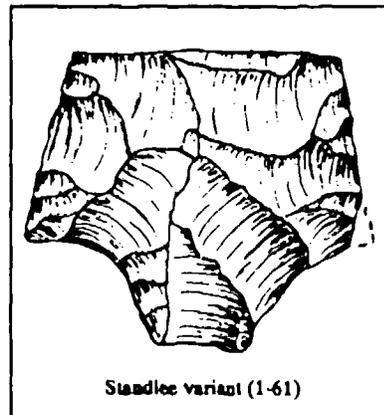
about 49% of the total length of the specimen. The raw material is an unidentified chert. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Standlee type, which is associated with the Woodland Period.

Artifact 1-58 is a projectile point/knife. It is a contracting stem specimen with a missing tip, a damaged blade, sloping shoulders and a straight base. The tip has been carried away by an impact fracture. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.2 cm x 3.0 cm x 0.7 cm and it weighs 7.3 g. The stem measures 1.3 cm x 1.7 cm and comprises about 31% of the total length of the specimen. The raw material is heat-treated Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Langtry type, which is associated with the Late Archaic through Woodland periods.



Artifact 1-59 is a bifacial knife. It is a corner removed contracting stem specimen with a missing tip, a damaged blade, sloping shoulders and a concave base. The cross section is plano-convex with edge abrading on the stem but no beveling. Maximum dimensions are 5.3 cm x 2.2 cm x 0.8 cm and it weighs 9.4 g. The stem measures 1.6 cm x 1.8 cm and comprises about 30% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Langtry type, which is associated with the Late Archaic through Woodland periods.

Artifact 1-60 is a dart point. It is a corner removed contracting stem specimen with a missing tip, a damaged blade, sloping shoulders and a concave base. The tip has been carried away by an impact fracture. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 3.7 cm x 2.5 cm x 0.9 cm and it weighs 8.3 g. The stem measures 1.4 cm x 1.9 cm and comprises about 38% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no use-wear. This specimen most closely resembles the Langtry type, which is associated with the Late Archaic through Woodland periods.



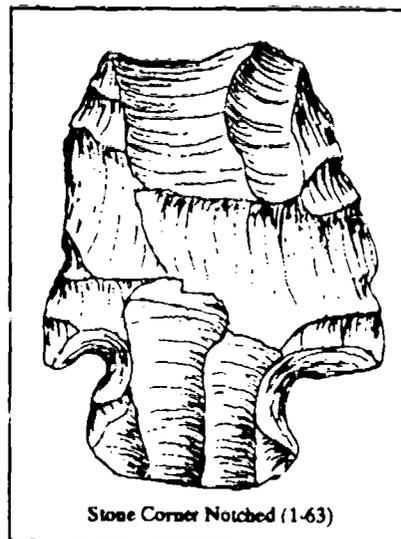
Artifact 1-61 is a bifacial knife. It is a corner removed contracting stem specimen with a missing tip, a damaged blade, sloping shoulders and a straight base. The cross section is plano-convex with edge abrading on the stem and no beveling. Maximum dimensions are 3.9

cm x 4.3 cm x 0.9 cm and it weighs 13.5 g. The stem measures 1.3 cm x 2.3 cm and comprises about 33% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Standlee type (except for the shorter stem), which is associated with the Woodland Period.



Artifact 1-62 is a bifacial knife. It is a contracting stem specimen with a pointed tip, an excurvate blade, square shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 5.1 cm x 2.8 cm x 0.7 cm and it weighs 8.5 g. The stem measures 1.4 cm x 1.8 cm and comprises about 27% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Gary type, which is associated with the Woodland Period.

Artifact 1-63 is a projectile point/knife. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a convex base. The tip has been carried away by an impact fracture. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 5.7 cm x 4.6 cm x 0.8 cm and it weighs 23.5 g. The stem measures 1.7 cm x 2.9 cm and comprises about 30% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.



Artifact 1-64 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.7 cm x 2.1 cm x 0.7 cm and it weighs 4.7 g. The stem is 1.1 cm long and comprises about 41% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.

Artifact 1-68 is a projectile point/knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a straight base.

The tip has been carried away by an impact fracture. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.3 cm x 2.8 cm x 0.6 cm and it weighs 6.6 g. The stem measures 1.0 cm x 2.2 cm and comprises about 30% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.



Artifact 1-69 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.5 cm x 4.1 cm x 0.7 cm and it weighs 12.8 g. The stem measures 1.0 cm x 2.9 cm and comprises about 29% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-71 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.5 cm x 2.6 cm x 0.7 cm and it weighs 4.7 g. The stem measures 1.0 cm x 1.9 cm and comprises about 40% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-73 is a bifacial knife midsection. It has a missing tip, a damaged blade, sloping shoulders and a missing stem and base. The cross section is rhomboidal with no edge abrading and beveling on the left edge of the blade. Maximum dimensions are 3.6 cm x 2.4 cm x 0.9 cm and it weighs 8.2 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting and scraping wood. This specimen is an unclassified type not associated with a specific cultural period.

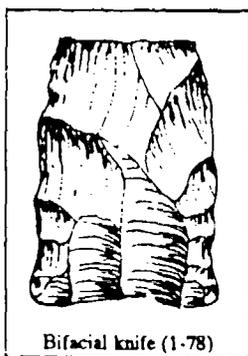
Artifact 1-74 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, missing shoulders and a convex base. The cross section is biconvex with edge abrading on the base and stem and no beveling. Maximum dimensions are 4.7 cm x 2.3 cm x 0.8 cm and it weighs 11.2 g. The stem measures 1.3 cm x 3.0 cm and comprises about 28% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting bone or antler. This specimen most closely resembles the Snyders type, which is associated with the Woodland Period.

Artifact 1-75 is a dart point. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, missing shoulders and a convex base. The tip has been carried away by an impact fracture. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.0 cm x 3.9 cm x 0.8 cm and it weighs 10.8 g. The stem measures 1.3 cm x 3.0 cm and comprises about 33% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type not associated with a cultural period.

Artifact 1-76 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, square shoulders and a straight base. The cross section is biconvex with edge abrading on the base and stem and no beveling. Maximum dimensions are 2.7 cm x 2.9 cm x 0.7 cm and it weighs 6.4 g. The stem measures 1.2 cm x 2.3 cm and comprises about 44% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Steuben type, which is associated with the Woodland Period.



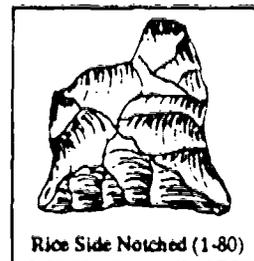
Artifact 1-77 is a projectile point/knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, missing shoulders and a straight base. The tip has been carried away by an impact fracture. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.4 cm x 2.7 cm x 0.6 cm and it weighs 7.2 g. The stem measures 1.0 cm x 2.7 cm and comprises about 23% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Steuben type, which is associated with the Woodland Period.



Artifact 1-78 is a bifacial knife. It is an unstemmed specimen with a missing tip, a damaged blade, no notches, no shoulders and a straight base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 3.5 cm x 2.5 cm x 0.8 cm and it weighs 10.0 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact and some battering. This specimen is exhausted and is an unclassified type not associated with a specific cultural period.

Artifact 1-80 is a biface proximal. It is an expanding stem specimen with a missing tip and blade, side notches, sloping shoulders and a missing base. The cross section is rhomboidal with edge abrading on the base and stem and beveling on the left edge of the

blade. Maximum dimensions are 2.4 cm x 2.6 cm x 0.7 cm and it weighs 4.3 g. The stem measures 1.2 cm x 1.6 cm and comprises 50% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is exhausted and most closely resembles the Rice Side Notched type, which is associated with the Woodland Period.



Rice Side Notched (1-80)

Artifact 1-81 is a biface stem. It is an expanding stem specimen with a missing tip and blade, missing shoulders and a straight base. The cross section is unidentifiable with edge abrading on the base and stem but no beveling. Maximum dimensions are 2.3 cm x 1.9 cm x 0.6 cm and it weighs 2.5 g. The stem measures 1.2 cm x 1.9 cm and comprises about 52% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is a variant of the Table Rock Stemmed type, which is associated with the Late Archaic Period.



Klunk Side Notched (1-83)

Artifact 1-83 is an arrow point. It is an expanding stem specimen with a pointed tip, a straight blade, side notches, square shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.4 cm x 1.0 cm x 0.4 cm and it weighs 1.0 g. The stem measures 0.6 cm x 0.8 cm and comprises about 25% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Klunk Side Notched type, which is associated with the Late Woodland Period.

Artifacts cataloged as 1-84 include two bifacial knife midsections. Both have missing tips, damaged blades, no shoulders and missing stems and bases. Neither exhibit edge abrading or beveling. Both are manufactured of heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. These specimens are of an unclassified type not associated with a specific cultural period.

Artifacts cataloged as 1-85 include two dart point midsections. Both have missing tips, damaged blades, no shoulders and missing stems and bases. Neither exhibits edge abrading or beveling. Raw materials include Jefferson City and heat-treated Burlington chert, both of which are found locally. Microscopic examination revealed no evidence of use-wear. Both are damaged by impact fractures. This specimen is an unclassified type not associated with a cultural period.

Artifact 1-86 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, missing shoulders and a straight base. It is broken lengthwise with one blade and stem edge missing. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.2 cm x 2.5 cm x 0.6

cm and it weighs 6.0 g. The stem is 1.0 cm long and comprises about 24% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-87 is a bifacial side scraper midsection. It has a missing tip, a damaged blade, barbed shoulders and a missing stem and base. It is broken lengthwise and has a concave area unilaterally worked into remaining edge. The cross section is biconvex with no edge abrading and beveling on the left edge of the blade. Maximum dimensions are 4.2 cm x 1.9 cm x 0.6 cm and it weighs 4.9 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from scraping bone or antler. This specimen is exhausted and is an unclassified type not associated with a specific cultural period.

Artifact 1-88 is a bifacial drill. It is an unstemmed specimen with a pointed tip, a straight blade, no shoulders and a convex base. The cross section is rhomboidal with no edge abrading and beveling on the left edge of the blade. Maximum dimensions are 3.8 cm x 1.8 cm x 0.5 cm and it weighs 4.2 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from perforating. This specimen is an unclassified type that resembles similar tools associated with the Late Woodland Period. It appears to be a small arrow point preform that was broken and then used as perforator.



Artifact 1-89 is a bifacial drill midsection. It has a missing tip, a straight blade, no shoulders and a missing stem and base. The cross section is diamond-shaped with no edge abrading and no beveling. Maximum dimensions are 3.2 cm x 0.9 cm x 0.5 cm and it weighs 2.1 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from perforating. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-90 is a bifacial oval drill base with one side damaged. It is an unstemmed specimen with a missing tip and blade, no shoulders and a convex base. The cross section is unidentifiable with no edge abrading and no beveling. Maximum dimensions are 3.8 cm x 2.4 cm x 1.0 cm and it weighs 9.4 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type not associated with a specific cultural period. The tip is broken off 0.3 cm above the base.



Artifact 1-91 is a dart point stem. It is an expanding stem specimen with a missing tip and blade, side notches, missing shoulders and a recurved base. The tip and part of the blade have

been carried away by an impact fracture. The cross section is unidentifiable with edge abrading on the stem but no beveling. Maximum dimensions are 3.2 cm x 2.4 cm x 0.8 cm and it weighs 7.5 g. The stem measures 1.6 cm x 2.3 cm and comprises 50% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no use-wear. This specimen is exhausted and most closely resembles the Hanna type, which is associated with the Late Archaic Period.

Artifact 1-92 is a flake knife/scrapper. Maximum dimensions are 4.6 cm x 4.3 cm x 0.9 cm and it weighs 18.0 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact and from scraping dry hide. This specimen is an unclassified type, which is similar to other tools associated with the Woodland Period.

Artifact 1-93 is a bifacial side scraper. It is an unstemmed specimen with a rounded tip, an excurvate blade, no shoulders and a convex base. The cross section is plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 4.5 cm x 2.2 cm x 0.7 cm and it weighs 8.7 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from scraping wet hide. This specimen is an unclassified type that resembles other tools associated with the Woodland Period.



Bifacial side scraper (1-93)

Artifact 1-94 is a bifacial end scraper. It is an expanding stem specimen with an irregular tip, an excurvate blade, missing shoulders and a straight base. The cross section is plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 2.5 cm x 3.1 cm x 0.7 cm and it weighs 6.8 g. The stem measures 1.3 cm x 2.6 cm and comprises about 52% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from scraping wet hide. This specimen is reworked from the proximal portion of an unclassified stemmed biface that resembles others associated with the Late Archaic Period.

Artifact 1-95 is a preform proximal. It is a contracting stem corner removed specimen with a missing tip and blade, sloping shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.2 cm x 4.2 cm x 1.1 cm and it weighs 19.3 g. The stem measures 2.3 cm x 3.4 cm and comprises about 55% of the total length of the specimen. The raw material is an unidentified heat-treated chert. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type that resembles others associated with the Woodland Period.

Artifact 1-96 is a bifacial knife proximal. It is an unstemmed specimen with a missing tip, a damaged blade, no notches, no shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 5.3 cm x 4.4 cm x 0.9 cm and it weighs 25.8 g. The raw material is heat-treated Burlington

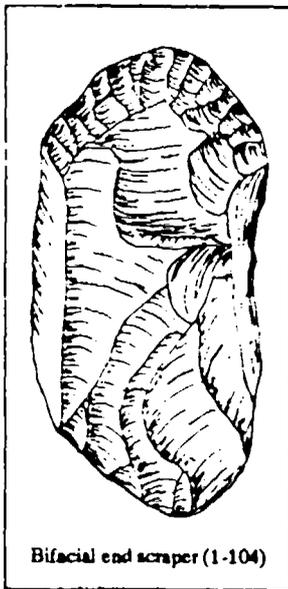
chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type not associated with a specific cultural period. It was broken during reduction due to chalky place in chert.

Artifact 1-100 is a core scraper. The cross section is plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 5.0 cm x 3.3 cm x 2.3 cm and it weighs 55.9 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from scraping wet hide. This specimen is an unclassified type that is similar to others associated with the Woodland Period.

Artifact 1-101 is a flake scraper. Maximum dimensions are 5.0 cm x 4.3 cm x 1.6 cm and it weighs 34.5 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from scraping wet hide. This specimen is an unclassified type that resembles others associated with the Woodland Period.

Artifact 1-102 is a bifacial side scraper proximal. It is an unstemmed specimen with a missing tip, an excurvate blade, no shoulders and a convex base. The cross section is plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 5.6 cm x 4.5 cm x 1.4 cm and it weighs 39.8 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from scraping wet hide. This specimen is an unclassified type that resembles others associated with the Woodland Period.

Artifact 1-103 is a bifacial scraper proximal. It is an unstemmed specimen with a missing tip and blade, no notches, no shoulders and a convex base. The cross section is biconvex with no edge abrading and unifacial beveling. Maximum dimensions are 3.8 cm x 4.9 cm x 1.5 cm and it weighs 27.7 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from scraping wet hide. This specimen is an unclassified type that resembles others associated with the Woodland Period.



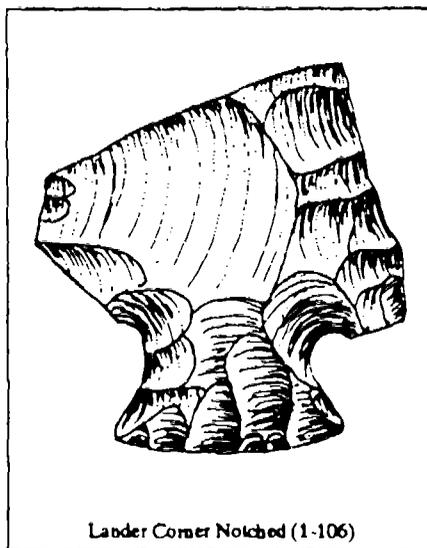
Bifacial end scraper (1-104)

Artifact 1-104 is a bifacial end scraper. It is an unstemmed specimen with a rounded tip, an excurvate blade, no notching, no shoulders and a convex base. The cross section is plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 6.3 cm x 2.9 cm x 1.2 cm and it weighs 27.6 g. The raw material is heat-treated Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from scraping dry hide. This specimen is an unclassified type, which is associated with the Woodland Period.

Artifact 1-105 is a bifacial knife. It is an expanding stem specimen with a missing tip, a straight blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 4.7 cm x 3.9 cm x 0.8 cm and it weighs 16.8 g. The stem measures 1.3 cm x 2.9 cm and comprises about 28% of the total length. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Lander Corner Notched type, which is associated with the Woodland Period.



Lander Corner Notched (1-105)



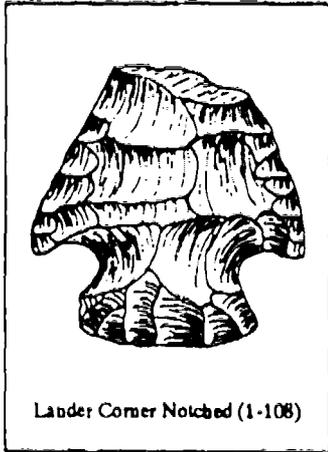
Lander Corner Notched (1-106)

Artifact 1-106 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 5.0 cm x 4.9 cm x 0.9 cm and it weighs 24.3 g. The stem measures 1.5 cm x 3.0 cm and comprises about 30% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact and some battering. This specimen is resharpened and most closely resembles the Lander Corner Notched type, which is associated with the Woodland Period.

Artifact 1-107 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.3 cm x 4.7 cm x 0.9 cm and it weighs 14.6 g. The stem measures 1.2 cm x 2.7 cm and comprises about 36% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen most closely resembles the Lander Corner Notched type, which is associated with the Woodland Period.



Lander Corner Notched (1-107)



Lauder Corner Notched (1-108)

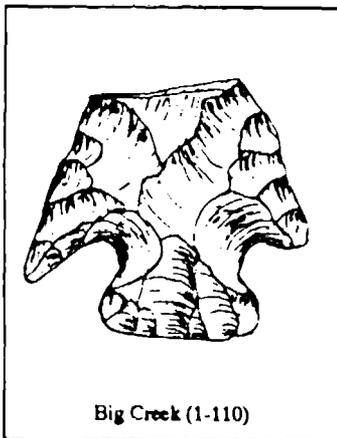
Artifact 1-108 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 3.6 cm x 3.5 cm x 0.7 cm and it weighs 10.1 g. The stem measures 1.2 cm x 2.3 cm and comprises about 33% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is exhausted and most closely resembles the Lauder Corner Notched type, which is associated with the Woodland Period.

Artifact 1-109 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and beveling on the right blade edge. Maximum dimensions are 3.7 cm x 4.0 cm x 0.9 cm and it weighs 11.1 g. The stem measures 1.2 cm x 2.8 cm and comprises about 32% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally.

Microscopic examination revealed wear resulting from cutting bone or antler. This specimen is exhausted and most closely resembles the Snyders type, which is associated with the Woodland Period. One corner of the broken tip has been beveled by percussion flaking to form a diagonal cutting edge, which has been resharpened several times by percussion. A burin-like chisel edge exhibits much use rounding and polish, suggesting cutting a hard material such as bone or antler. Whether this is reinvention of a Paleo-Indian/Early-Middle Archaic tool type to fulfill a specific need is unknown. This is a rare Late Middle Woodland tool.



Snyders (1-109)



Big Creek (1-110)

Artifact 1-110 is a biface. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with edge abrading on the base and stem but no beveling. Maximum dimensions are 3.5 cm x 3.7 cm x 0.8 cm and it weighs 10.6 g. The stem measures 1.3 cm x 2.1 cm and comprises about 37% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Big Creek type, which is associated with the Late Archaic Period.

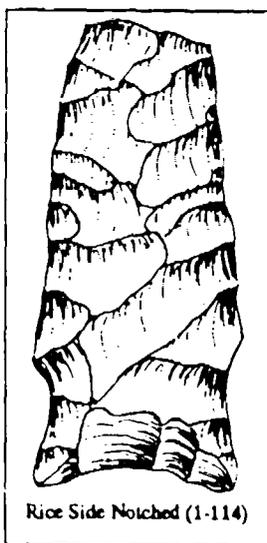
Artifact 1-111 is a bifacial knife. It is an expanding stem specimen with a missing tip and blade, corner notches, barbed shoulders and a missing base. The cross section is biconvex with edge abrading on the base but no beveling. Maximum dimensions are 1.8 cm x 3.3 cm x 0.6 cm and it weighs 4.2 g. The stem measures 1.0 cm x 2.4 cm and comprises about 56% of the total length of the specimen. The raw material is Reeds Spring chert, which is found in southwest Missouri and northwest Arkansas into northeast Oklahoma and extreme southeast Kansas. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Big Creek type, which is associated with the Late Archaic Period.



Grand (1-111)

Artifact 1-112 is a dart point stem. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, missing shoulders and a convex base. Most of the distal portion has been carried away by an impact fracture. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.3 cm x 2.9 cm x 0.7 cm and it weighs 7.9 g. The stem measures 1.4 cm x 3.0 cm and comprises about 42% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no use-wear. This specimen is exhausted and most closely resembles the Big Creek type, which is associated with the Late Archaic Period.

Artifact 1-113 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.3 cm x 2.6 cm x 0.7 cm and it weighs 6.8 g. The stem measures 0.9 cm x 2.3 cm and comprises about 27% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is exhausted and most closely resembles the Grand type, which is associated with the Woodland Period.



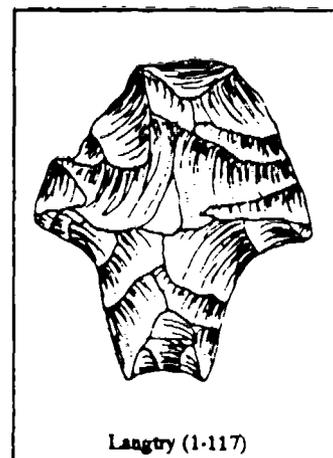
Rice Side Notched (1-114)

Artifact 1-114 is a bifacial knife. It is an expanding stem specimen with a missing tip, a straight blade, side notches, sloping shoulders and a concave base. The cross section is rhomboidal with edge abrading on the base and stem and beveling on the left edge of the blade. Maximum dimensions are 6.0 cm x 2.8 cm x 1.0 cm and it weighs 18.8 g. The stem measures 1.4 cm x 2.8 cm and comprises about 23% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Rice Side Notched type, which is associated with the Woodland Period.

Artifact 1-115 is a bifacial knife. It is an expanding stem specimen with a missing tip, a straight blade, no shoulders and a convex base. The cross section is plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 4.5 cm x 2.2 cm x 0.7 cm and it weighs 8.9 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is exhausted and most closely resembles the Rice Side Notched type, which is associated with the Woodland Period. This biface has been resharpened so extensively that no shoulders exist at all. The original shape is indeterminate and could have resembled a variety of types, such as Steuben, Snyders, Lander, etc.

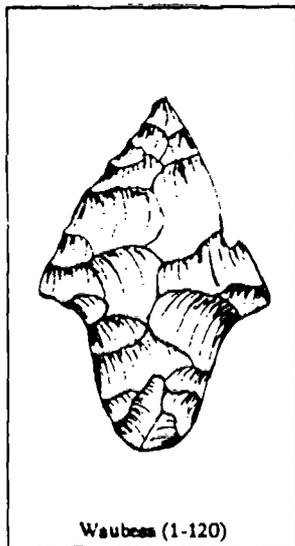
Artifact 1-116 is a bifacial knife. It is a contracting stem specimen with a missing tip, a damaged blade, sloping shoulders and a straight base. The cross section is rhomboidal with no edge abrading and beveling on the left edge of the blade. Maximum dimensions are 4.9 cm x 2.9 cm x 0.7 cm and it weighs 11.4 g. The stem measures 1.9 cm x 2.2 cm and comprises about 39% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Standlee type, which is associated with the Woodland Period.

Artifact 1-117 is a dart point stem. It is a corner removed contracting stem specimen with a missing tip, a damaged blade, notching, sloping shoulders and a concave base. The tip has been carried away by an impact fracture. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.2 cm x 3.6 cm x 0.7 cm and it weighs 8.5 g. The stem measures 1.6 cm x 1.7 cm and comprises about 38% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no use-wear. This specimen is exhausted and most closely resembles the Langtry type, which is associated with the Late Archaic through Woodland periods.



Artifact 1-118 is a bifacial knife proximal. It is a corner removed contracting stem specimen with a missing tip, a damaged blade, square shoulders and a concave base. The cross section is rhomboidal with no edge abrading and beveling on the left edge of the blade. Maximum dimensions are 3.4 cm x 2.9 cm x 0.5 cm and it weighs 6.4 g. The stem measures 1.8 cm x 2.0 cm and comprises about 53% of the total length of the specimen. The raw material is Pierson chert, which is abundant in the Branson area and may be exposed in limited areas locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Langtry type, which is associated with the Late Archaic through Woodland periods.

Artifact 1-119 is a bifacial knife. It is a corner removed contracting stem specimen with a missing tip, a damaged blade, sloping shoulders and a straight base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 3.7 cm x 3.0 cm x 0.7 cm and it weighs 7.3 g. The stem measures 1.5 cm x 2.0 cm and comprises about 41% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Langtry type, which is associated with the Late Archaic through Woodland periods.



Artifact 1-120 is a stemmed biface. It is a corner removed contracting stem specimen with a missing tip, a damaged blade, sloping shoulders and a convex base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 4.6 cm x 3.1 cm x 0.5 cm and it weighs 7.3 g. The stem measures 1.5 cm x 1.8 cm and comprises about 33% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from perforating a soft material. This specimen is resharpened and most closely resembles the Waubesa type, which is associated with the Middle Woodland Period. The blade of this biface has been resharpened and not used subsequently. The other margin has been removed via a burin spall or by an impact fracture.

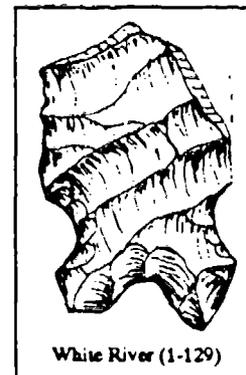
Artifact 1-121 is a bifacial knife proximal. It is a corner removed contracting stem specimen with a missing tip, a damaged blade, sloping shoulders and a missing base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.9 cm x 2.7 cm x 1.0 cm and it weighs 8.7 g. The stem measures 1.0 cm x 1.0 cm and comprises about 34% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Table Rock Pointed Stem type, which is associated with the Loftin phase of Mississippi Period (Chapman 1980:313).

Artifact 1-124 is a dart point stem. It is an expanding stem specimen with a missing tip and blade, corner notches, square shoulders and a straight base. The tip and most of the blade have been carried away by an impact fracture. The cross section is biconvex with edge abrading on the base and stem and no beveling. Maximum dimensions are 3.4 cm x 2.9 cm x 0.7 cm and it weighs 9.1 g. The stem measures 1.8 cm x 2.8 cm and comprises about 53% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no use-wear. This specimen is resharpened and most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.

Artifact 1-125 is a stemmed biface proximal. It is an expanding stem specimen with a missing tip and blade, corner notches, missing shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.9 cm x 2.8 cm x 0.9 cm and it weighs 7.4 g. The stem measures 1.4 cm x 2.4 cm and comprises about 48% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.

Artifacts cataloged as 1-127 include nine bifacial knife midsections. All have missing tips, a damaged blades, no shoulders and missing stems and bases. None exhibit edge abrading or beveling. Raw materials include Pierson chert, heat-treated Reeds Spring chert and Burlington chert (both heat-treated and non heat-treated). Microscopic examination revealed wear resulting from cutting meat with bone contact. These specimens are of an unclassified type not associated with a specific cultural period.

Artifact 1-129 is a projectile point/knife. It is an unstemmed specimen with a missing tip, a damaged blade, side notches, sloping shoulders and a concave base. The tip has been carried away by an impact fracture. The cross section is biconvex with edge abrading on the notches and no beveling. Maximum dimensions are 4.1 cm x 2.5 cm x 0.7 cm and it weighs 9.3 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the White River type, which is associated with the Middle Archaic Period.



Artifact 1-130 is an arrow point. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a straight base. The tip has been carried away by an impact fracture. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.3 cm x 2.0 cm x 0.5 cm and it weighs 2.6 g. The stem measures 0.7 cm x 1.5 cm and comprises about 30% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no use-wear. This specimen is an unclassified type, which is associated with the Early Mississippi Period. Comparable arrow points were found in Early Mississippi context by Dickson (1991:144-145) at the Albertson site (3BE174). The point also resembles the Koster type, a Late Woodland arrow point (Perino 1985:211), except that it is completely flaked while most Koster points have part of original flake surfaces showing.

Artifact 1-131 is an arrow point. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.8 cm x 1.7 cm x 0.4 cm and it weighs 1.5 g. The stem measures 0.6 cm x 1.2 cm and comprises about 33% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type that resembles others associated with the Early Mississippi Period.



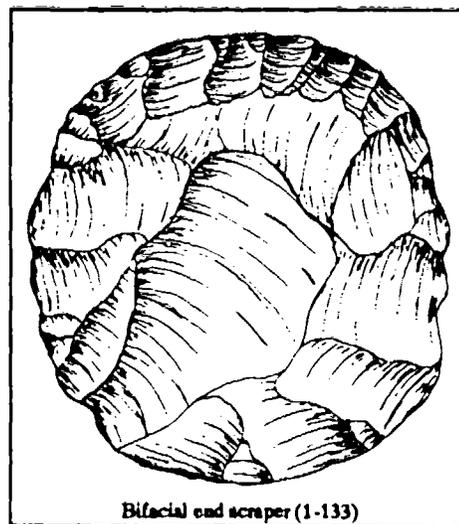
Arrow point (1-131)



Scallorn (1-132)

Artifact 1-132 is an arrow point. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a convex base. The tip has been carried away by an impact fracture. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.7 cm x 1.7 cm x 0.3 cm and it weighs 1.3 g. The stem measures 0.5 cm x 1.1 cm and comprises about 29% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no use-wear. This specimen most closely resembles the Scallorn type, which is associated with the Late Woodland Period.

Artifact 1-133 is an ovate bifacial end scraper. It is an unstemmed specimen with a rounded tip, an excurvate blade, no notches, no shoulders and a convex base. The cross section is plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 5.9 cm x 5.3 cm x 0.9 cm and it weighs 42.0 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact and from scraping wet hide. This specimen is an unclassified type that resembles others associated with the Woodland Period.



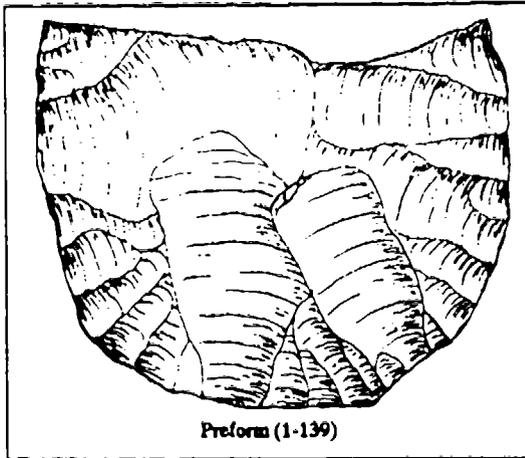
Bifacial end scraper (1-133)

Artifact 1-134 is a flake scraper. Maximum dimensions are 3.8 cm x 3.4 cm x 0.8 cm and it weighs 12.8 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from scraping wet hide. This specimen resembles others found in association with Woodland Period deposits.

Artifact 1-135 is a flake scraper. It is a thick elongated flake with one end unifacially worked into scraping edge. Maximum dimensions are 6.5 cm x 4.4 cm x 1.2 cm and it weighs 46.7 g. The raw material is Burlington chert, which is found locally.

Microscopic examination revealed wear resulting from scraping wet hide. This resharpened specimen resembles others found in association with Woodland Period deposits.

Artifact 1-136 is a flake scraper. It is a thick, elongated blade-like flake that has been unifacially worked at one end and along both edges. Maximum dimensions are 6.4 cm x 3.1 cm x 1.0 cm and it weighs 25.3 g. The raw material is Burlington chert, which is found locally. Microscopic examination at 25X revealed wear resulting from scraping wet hide. This specimen resembles others found in association with Woodland Period deposits.



Artifact 1-139 is a preform proximal. It is an unstemmed specimen with a missing tip and blade, no notches, no shoulders and a convex base. The cross section is biconvex with edge abrading on the base but no beveling. Maximum dimensions are 5.0 cm x 6.2 cm x 1.4 cm and it weighs 51.6 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type that resembles others associated with the Woodland Period.

Artifact 1-140 is a preform proximal. It is an unstemmed specimen with a missing tip and blade, no notches, no shoulders and a convex base. The cross section is biconvex with edge abrading on the base but no beveling. Maximum dimensions are 3.7 cm x 5.2 cm x 1.0 cm and it weighs 17.9 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type that resembles others associated with the Woodland Period.

Artifact 1-142 is an adze. It is an unstemmed specimen with a rounded tip, an excurvate blade, no shoulders and a convex base. The cross section is plano-convex with no edge abrading and no beveling. Maximum dimensions are 6.6 cm x 5.5 cm x 2.3 cm and it weighs 76.2 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting wood. This specimen is an unclassified type not associated with a specific cultural period. It is a large and thick (at one end) wedge-shaped flake that has been modified slightly at the thin and sharp end and used as adze.

## 23DA372

23DA372 is a prehistoric habitation of unknown cultural affiliation. It was recorded by Howard Wimmer in 1987 when he collected 3 preform fragments (80.6 g). None are associated with a specific cultural period.

## 23DA373

23DA373 is a prehistoric habitation exhibiting evidence of a Late Archaic Period occupation. It was recorded by Howard Wimmer in 1987 when he collected 7 artifacts weighing 140.9 g. These included 1 blank fragment (53.8 g), 1 dart point fragment (10.3 g), 2 bifacial knife fragments (16.2 g), 2 preform fragments (43.1 g) and 1 preform (17.5 g).

Artifact 1-1 is a dart point stem. It is an expanding stem specimen with a missing tip and blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with edge abrading on the base but no beveling. Maximum dimensions are 2.6 cm x 4.2 cm x 0.8 cm and it weighs 10.3 g. The stem measures 1.4 cm x 2.6 cm and comprises about 54% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Big Creek type, which is associated with the Late Archaic Period.



Artifacts cataloged as 1-3 include two bifacial knife midsections. Both have missing tips, a damaged blades, no shoulders and missing stems and bases. Neither exhibits edge abrading or beveling. Raw materials include heat-treated Reeds Spring and heat-treated Burlington chert, both of which are found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. These specimens are resharpened and are of an unclassified type not associated with a specific cultural period.

## 23DA374

23DA374 is a prehistoric habitation exhibiting evidence of a Woodland Period occupation. It was recorded by Howard Wimmer in 1987 when he collected 6 artifacts weighing 80.2 g. These included 1 stemmed biface fragment (5.5 g), 2 bifacial knife fragments (19.9 g), 1 preform fragment (19.3 g), 1 bifacial end scraper fragment (8.2 g) and 1 flake scraper (27.3 g).

Artifact 1-1 is a flake scraper. Maximum dimensions are 4.8 cm x 3.7 cm x 61.1 cm and it weighs 27.3 g. The raw material is Burlington chert, which is found locally.

Microscopic examination revealed wear resulting from scraping wet hide. This specimen resembles others associated with the Woodland Period.

Artifact 1-2 is a bifacial end scraper fragment. It is an unstemmed specimen with a rounded tip, an excurvate blade, no shoulders and a missing stem and base. The cross section is biconvex with no edge abrading and unifacial beveling. Maximum dimensions are 3.0 cm x 3.8 cm x 0.6 cm and it weighs 8.2 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from scraping wet hide. This specimen is an unclassified type that resembles others associated with the Woodland Period. This is probably the base of a thin preform that has been beveled and modified into a scraper. Two marginal constrictions at the opposite end may mean specimen was hafted.

Artifacts cataloged as 1-5 include two bifacial knife midsections. Both have missing tips, damaged blades, no shoulders and missing stems and bases. Neither exhibits edge abrading or beveling. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. These specimens are of an unclassified type not associated with a specific cultural period.

### 23DA375

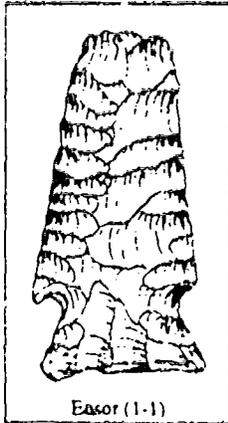
23DA375 is a prehistoric habitation exhibiting evidence of a Late Archaic Period occupation. It was recorded by Howard Wimmer in 1987 when he collected 1 bifacial knife (1-1). It is an expanding stem specimen with a missing tip, a recurved blade, corner notches, barbed shoulders and a concave base. The cross section is biconvex with edge abrading on the base and no beveling. Maximum dimensions are 3.2 cm x 2.1 cm x 0.5 cm and it weighs 4.4 g. The stem is 0.6 cm long and comprises about 19% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type, which is associated with the Late Archaic Period. Similar bifaces were found in Late Archaic context at the Albertson site (3BE174; Dickson 1991:87) where they were classed as LA-3 bifaces.



Bifacial knife (1-1)

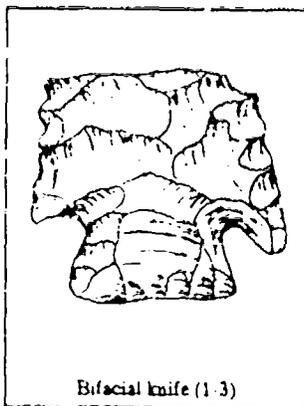
### 23DA377

23DA377 is a prehistoric habitation exhibiting evidence of Late Archaic, Woodland and Mississippi Period occupations. It was recorded by Howard Wimmer in 1987 when he collected 14 artifacts weighing 126.6 g. These included 1 stemmed biface fragment (5.3 g), 6 bifacial knife fragments (50.9 g), 3 bifacial knives (31.6 g), 2 preform fragments (28.6 g) and 2 projectile point/knives (10.2 g).



Artifact 1-1 is a bifacial knife. It is an expanding stem specimen with a missing tip, a straight blade, corner notches, barbed shoulders and a straight base. The cross section is diamond-shaped with edge abrading on the stem and no beveling. Maximum dimensions are 4.5 cm x 2.2 cm x 0.7 cm and it weighs 7.8 g. The stem measures 1.0 cm x 2.2 cm and comprises about 22% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Ensor type, which is associated with the Late Archaic Period.

Artifact 1-2 is a projectile point knife. It is an expanding stem specimen with a missing tip, an excurvate blade, side notches, sloping shoulders and a concave base. The tip has been carried away by an impact fracture. The cross section is plano-convex with edge abrading on the base and no beveling. Maximum dimensions are 4.1 cm x 2.1 cm x 0.8 cm and it weighs 7.3 g. The stem measures 1.3 cm x 1.8 cm and comprises about 32% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Hanna type, which is associated with the Late Archaic Period.



Artifact 1-3 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.0 cm x 3.4 cm x 0.7 cm and it weighs 7.6 g. The stem measures 0.9 cm x 2.3 cm and comprises about 30% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type possibly associated with the Late Archaic Period.

Artifact 1-4 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a straight base. It has been split longitudinally from near the tip to one shoulder. The cross section is plano-convex with edge abrading on the stem and unifacial beveling. Maximum dimensions are 5.0 cm x 3.0 cm x 0.6 cm and it weighs 9.2 g. The stem measures 0.9 cm x 2.3 cm and comprises about 18% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting

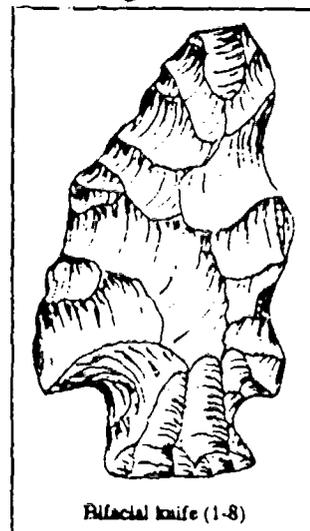
from cutting meat with bone contact. This specimen is resharpened and is an unclassified type, which is associated with the Late Archaic Period.

Artifact 1-5 is a projectile point/knife. It is an expanding stem specimen with a missing tip, a straight blade, corner notches, barbed shoulders and a straight base. The tip has been carried away by an impact fracture. The cross section is biconvex with edge abrading on the base and no beveling. Maximum dimensions are 2.7 cm x 1.9 cm x 0.6 cm and it weighs 2.9 g. The stem measures 0.7 cm x 1.7 cm and comprises about 26% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Kings Corner Notched type, which is associated with the Late Archaic Period.



Artifact 1-6 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, square shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.6 cm x 3.4 cm x 0.8 cm and it weighs 9.6 g. The stem measures 1.4 cm x 2.1 cm and comprises about 39% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Big Creek type, which is associated with the Late Archaic Period.

Artifact 1-7 is a stemmed biface proximal. It is an expanding stem specimen with a missing tip and blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with edge abrading on the base and stem and no beveling. Maximum dimensions are 2.0 cm x 3.4 cm x 0.7 cm and it weighs 5.3 g. The stem measures 1.3 cm x 2.8 cm and comprises about 65% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Big Creek type, which is associated with the Late Archaic Period.



Artifact 1-8 is a bifacial knife. It is an expanding stem specimen with a rounded tip, an asymmetrical blade, corner notches, square shoulders and a straight base. One blade margin is erratically excurvate, the other erratically straight. The cross section is biconvex with no edge abrading and no beveling. It is made by percussion flaking with no pressure retouch.

Maximum dimensions are 6.0 cm x 3.3 cm x 0.7 cm and it weighs 14.2 g. The stem measures 1.0 cm x 2.0 cm and comprises about 17% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period but may be Early Mississippian.

Artifact 1-9 is a bifacial knife proximal. It is an unstemmed and unnotched specimen with a missing tip, a damaged blade, missing shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.9 cm x 5.0 cm x 0.8 cm and it weighs 20.5 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type, which may be associated with the Woodland Period.

Artifacts cataloged as 1-10 include three bifacial knife midsections. All have missing tips, damaged blades, no shoulders and missing stems and bases. None exhibit edge abrading or beveling. The raw material is Burlington chert (both unheated and heat-treated), which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. These specimens are of an unclassified type not associated with a specific cultural period.

#### 23DA378

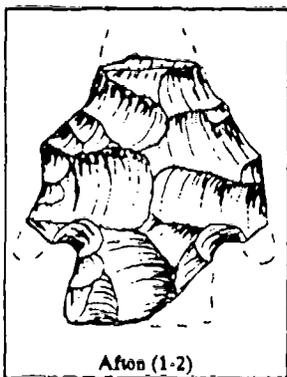
23DA378 is a prehistoric habitation exhibiting evidence of a Late Archaic Period occupation. It was recorded by Howard Wimmer in 1987 when he collected an ovate bifacial knife. It is an expanding stem specimen with a damaged tip, an excurvate blade, corner notching, downturned shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.5 cm x 3.5 cm x 0.8 cm and it weighs 7.8 g. The stem measures 1.1 cm x 2.2 cm and comprises about 24% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen most closely resembles the Big Creek type, which is associated with the Archaic, Late Period. It may have been broken late in the manufacturing process.

#### 23DA379

23DA379 is a prehistoric habitation exhibiting evidence of a Late Archaic Period occupation. It was recorded by Howard Wimmer in 1987 when he collected 2 artifacts weighing 16.1 g. These included 1 bifacial knife fragment (10.0 g), 1 bifacial knife (6.1 g).

Artifact 1-1 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, missing shoulders and a convex base. The cross section is biconvex with edge abrading on the base and stem and no beveling.

Maximum dimensions are 3.7 cm x 3.1 cm x 0.8 cm and it weighs 10.0 g. The stem measures 1.0 cm x 2.4 cm and comprises about 27% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type, which may be associated with the Late Archaic Period. It broke due to a brizoan fossil which weakened the specimen.



Artifact 1-2 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a straight base. The cross section is plano-convex with no edge abrading and no beveling. Maximum dimensions are 3.4 cm x 3.1 cm x 0.6 cm and it weighs 6.1 g. The stem is 1.0 cm long and comprises about 29% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting wood. This specimen is a variant of the Afton type, which is associated with the Late Archaic Period.

### 23DA380

23DA380 is a prehistoric habitation exhibiting evidence of Late Archaic and Woodland Period occupations. It was recorded by Howard Wimmer in 1987 when he collected 4 artifacts weighing 132.0 g. These included 1 blank (97.1 g), 1 bifacial knife fragment (5.7 g), 1 bifacial knife (2.7 g) and 1 preform fragment (26.5 g).

Artifact 1-1 is a bifacial knife. It has a pointed tip, an asymmetrical blade, corner notches, barbed shoulders and a missing stem and base. The cross section is rhomboidal with edge abrading on the stem and beveling on the left edge of the blade. Maximum dimensions are 4.0 cm x 2.5 cm x 0.6 cm and it weighs 2.7 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. Although the base is missing, the biface has all the characteristics of the Kings Corner Notched type. Because these points became smaller in post Archaic times, this specimen is probably Woodland.



Artifact 1-2 is a bifacial knife midsection. It has a missing tip, a damaged blade, no shoulders and a missing stem and base. The cross section is rhomboidal with no edge abrading and beveling on the left edge of the blade. Maximum dimensions are 4.0 cm x 2.0 cm x 0.6 cm and it weighs 5.7 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

## 23DA381

23DA381 is a prehistoric habitation exhibiting evidence of Late Archaic and Woodland Period occupations. It was recorded by Howard Wimmer in 1987 when he collected 3 artifacts weighing 32.2 g. These included 1 stemmed biface fragment (1.7 g) and 2 preform fragments (30.5 g).

Artifact 1-1 is a biface stem. It is an expanding specimen with a missing tip and blade, missing shoulders and a concave base. The cross section is not discernible with edge abrading on the base and stem and no beveling. Maximum dimensions are 1.2 cm x 2.0 cm x 0.6 cm and it weighs 1.7 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type that may be associated with the Late Archaic or Woodland periods. It may be from a Kings Corner Notched.

## 23DA382

23DA382 is a prehistoric habitation exhibiting evidence of Late Archaic, Late Woodland and Mississippi Period occupations. It was recorded by Howard Wimmer in 1987 when he collected 7 artifacts weighing 41.3 g. These included 1 arrow point (1.8 g), 2 biface fragments (20.5 g), 1 dart point fragment (3.1 g), 2 bifacial knife fragments (12.5 g) and 1 preform (3.4 g).



Scallorn (1-1)

Artifact 1-1 is an arrow point. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.4 cm x 1.6 cm x 0.4 cm and it weighs 1.8 g. The stem measures 0.6 cm x 0.4 cm and comprises about 25% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Scallorn type, which is associated with the Late Woodland Period.

Artifact 1-2 is a dart point stem. It is an expanding stem corner removed specimen with a missing tip and blade, sloping shoulders and a straight base. The tip has been carried away by an impact fracture. The cross section is biconvex with edge abrading on the base and stem and no beveling. Maximum dimensions are 2.0 cm x 2.0 cm x 0.6 cm and it weighs 3.1 g. The stem measures 1.0 cm x 1.5 cm and comprises 50% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear revealed no use-wear. This

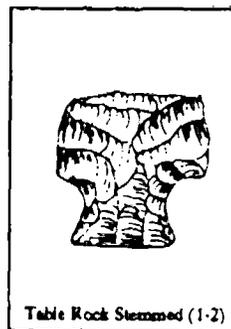


Table Rock Stemmed (1-2)

specimen most closely resembles the Table Rock Stemmed type, which is associated with the Late Archaic Period.

Artifact 1-3 is a preform. It is an unstemmed specimen with a rounded tip, an excurvate blade, no notches, no shoulders and a convex base. The cross section is plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 3.9 cm x 1.5 cm x 0.5 cm and it weighs 3.4 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type possibly associated with the Mississippi Period.

Artifacts cataloged as 1-4 include two bifacial knife midsections. Both have missing tips, damaged blades, no shoulders and missing stems and bases. Neither exhibits edge abrading or beveling. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. These specimens are not associated with a specific cultural period.

### 23DA383

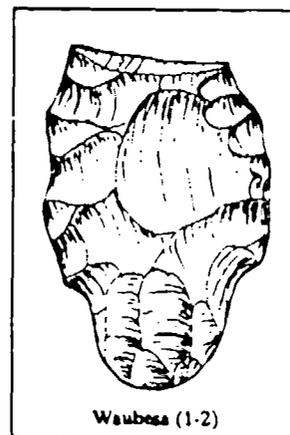
23DA383 is a prehistoric habitation exhibiting evidence of Late Archaic and Woodland Period occupations. It was recorded by Howard Wimmer in 1987 when he collected 11 artifacts weighing 142.9 g. These included 1 stemmed biface fragment (11.1 g), 1 bifacial knife fragment (19.9 g), 2 bifacial knives (25.0 g) and 7 preform fragments (86.9 g).



type, which is associated with the Late Archaic Period.

Artifact 1-2 is a bifacial knife. It is a contracting stem specimen with a missing tip, a damaged blade, sloping shoulders and a convex base. The cross section is plano-convex with edge abrading on the stem and no beveling. Maximum dimensions are 4.3 cm x 3.0 cm x 0.8 cm and it weighs 12.4 g. The stem measures 1.3 cm x 2.0 cm and comprises about 30% of the total length of the specimen. The raw material is heat-treated

Artifact 1-1 is a bifacial knife. It is an expanding stem specimen with a missing tip and blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with edge abrading on the base but no beveling. Maximum dimensions are 4.3 cm x 3.9 cm x 0.7 cm and it weighs 12.6 g. The stem measures 1.3 cm x 2.5 cm and comprises about 30% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Big Creek



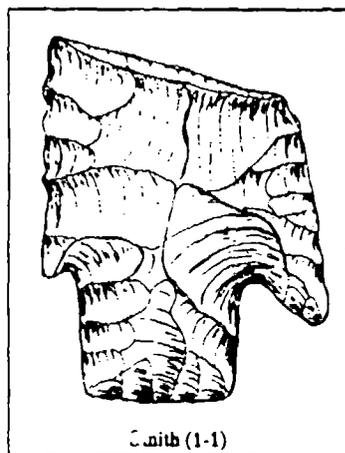
Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen most closely resembles the Waubesa type, which is associated with the Woodland Period.

Artifact 1-3 is a bifacial knife midsection. It has a missing tip, a damaged blade, missing shoulders and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.3 cm x 4.1 cm x 1.0 cm and it weighs 19.9 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-4 is a stemmed biface proximal. It is an expanding stem specimen with a missing tip and blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.0 cm x 4.1 cm x 0.9 cm and it weighs 11.1 g. The stem is 1.2 cm long and comprises about 40% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Big Creek type, which is associated with the Late Archaic Period.

#### 23DA385

23DA385 is a prehistoric habitation exhibiting evidence of Late Archaic and Middle to Late Woodland Period occupations. It was recorded by Howard Wimmer in 1988 when he collected 42 artifacts weighing 571.0 g. These included 3 dart point fragments (23.3 g), 1 bifacial drill fragment (2.5 g), 6 bifacial knife fragments (72.3 g), 8 bifacial knife (98.8 g), 1 knife/scrapper fragment (18.8 g), 21 preform fragments (333.8 g), 1 bifacial end scraper (6.4 g) and 1 bifacial side scraper fragment (15.1 g).



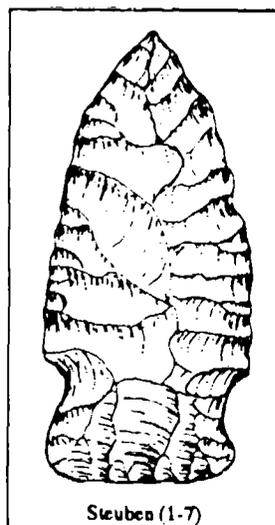
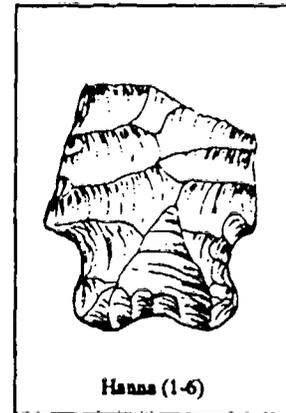
Artifact 1-1 is a bifacial knife. It is a parallel stem specimen with a missing tip, a damaged blade, barbed shoulders and a straight base. The cross section is plano-convex with edge abrading on the stem and unifacial beveling. Maximum dimensions are 4.7 cm x 3.8 cm x 1.0 cm and it weighs 17.1 g. The stem measures 1.6 cm x 2.1 cm and comprises about 34% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Smith type, which is associated with the Late Archaic Period.

Artifacts cataloged as 1-3 include four bifacial knife midsections. All have missing tips, damaged blades, no shoulders and missing stems and bases. None exhibit edge abrading or beveling. Raw materials include Burlington (both untreated and heat-treated)

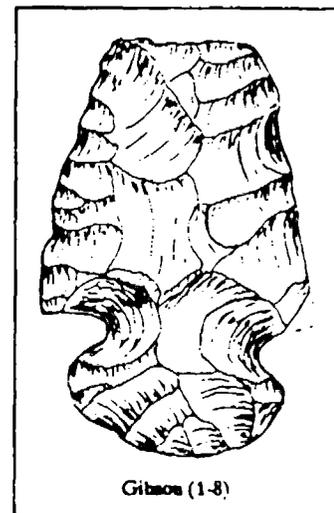
and an unidentified chert. Microscopic examination revealed wear resulting from cutting meat with bone contact. These specimens are of an unclassified type not associated with a specific cultural period.

Artifact 1-4 is a bifacial knife/scrapper base. It is an unstemmed specimen with a missing tip and blade, no notches, no shoulders and a convex base. The cross section is plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 3.5 cm x 5.7 cm x 0.9 cm and it weighs 18.8 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact and from scraping wet hide. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-6 is a dart point stem. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, sloping shoulders and a concave base. The cross section is biconvex with edge abrading on the base and stem and no beveling. Maximum dimensions are 3.2 cm x 2.9 cm x 0.8 cm and it weighs 7.4 g. The stem measures 1.1 cm x 2.2 cm and comprises about 34% of the total length of the specimen. The raw material is Keokuk chert, which is abundant further south but may be available locally in highly restricted areas. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Hanna type, which is associated with the Late Archaic Period and usually serves as a dart point.



Artifact 1-7 is a bifacial knife. It is an expanding stem specimen with a broad tip, an excurvate blade, side notches, sloping shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 5.9 cm x 2.9 cm x 0.8 cm and it weighs 15.2 g. The stem measures 1.4 cm x 2.5 cm and comprises about 24% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is a variant of the Steuben type, which is associated with the Woodland Period.



Artifact 1-8 is a bifacial knife. It is an expanding stem specimen with a missing tip, an excurvate blade, side notches, square shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 5.5 cm x 3.5 cm x 0.9 cm and it weighs 7.4 g.

The stem measures 1.8 cm x 2.9 cm and comprises about 33% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen closely resembles the Gibson type, which is associated with the Middle Woodland Period.



Artifact 1-9 is a bifacial knife. It is an expanding stem specimen with a broad tip, a recurved blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.2 cm x 3.6 cm x 0.6 cm and it weighs 10.0 g. The stem measures 1.3 cm x 2.8 cm and comprises about 31% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Big Creek type, which is associated with the Late Archaic Period.

Artifact 1-10 is a dart point stem. It is an expanding stem specimen with a missing tip and blade, side notches, missing shoulders and a concave base. The cross section is biconvex with edge abrading on the stem but no beveling. Maximum dimensions are 1.8 cm x 2.1 cm x 0.6 cm and it weighs 3.0 g. The stem measures 1.7 cm x 2.1 cm and comprises about 94% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Duncan type, which is associated with the Late Archaic Period.

Artifact 1-11 is a bifacial end scraper. It is an expanding stem specimen with a reworked tip, a damaged blade, side notches, missing shoulders and a concave base. The cross section is biconvex with no edge abrading and unifacial beveling. Maximum dimensions are 2.6 cm x 2.5 cm x 0.7 cm and it weighs 6.4 g. The stem measures 1.2 cm x 2.5 cm and comprises about 46% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from scraping wet hide and battering. This specimen most closely resembles a basal fragment of a Hanna point, broken and unifacially reworked just above the side notches to form hafted scraper, which is associated with the Late Archaic Period. It could be Late Archaic or a reworked find modified into a scraper at a later time. It has been battered somewhat after use on hides.

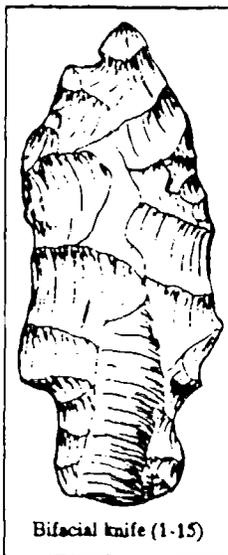


Artifact 1-12 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a convex base. The cross section is plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 4.0 cm x 3.0 cm x 0.8 cm and it weighs 10.3 g. The stem measures 1.3 cm

x 2.5 cm and comprises about 33% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Big Creek type, which is associated with the Late Archaic Period.

Artifact 1-13 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, missing shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.6 cm x 2.7 cm x 0.8 cm and it weighs 12.2 g. The stem measures 1.1 cm x 2.8 cm and comprises about 24% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Gibson type, which is associated with the Woodland Period.

Artifact 1-14 is a dart point midsection. It has a missing tip, a damaged blade, notching, missing shoulders and a missing stem and base. The tip has been carried away by an impact fracture. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.3 cm x 3.4 cm x 1.0 cm and it weighs 12.9 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type that may be associated with the Late Archaic or Woodland periods. Only a tiny portion of the stem remains and could have been square or contracting. If square, point is Late Archaic, if contracting probably is Woodland.



Artifact 1-15 is a bifacial knife. It is a corner removed parallel stem specimen with a damaged tip, an asymmetrical blade, sloping shoulders and a straight base. The cross section is rhomboidal with no edge abrading and beveling on the right blade edge. Maximum dimensions are 6.3 cm x 2.3 cm x 1.0 cm and it weighs 16.9 g. The stem measures 1.5 cm x 1.7 cm and comprises about 24% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-16 is a bifacial knife. It is a contracting stem specimen with a missing tip, an asymmetrical blade, sloping shoulders and a straight base. The cross section is rhomboidal with no edge abrading and beveling on the right blade edge. Maximum dimensions are 4.6 cm x 2.4 cm x 0.8 cm and it weighs 9.7 g. The stem measures 1.5 cm x 1.6 cm and comprises about 33% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is exhausted and most

closely resembles the Langtry type, which is associated with the Late Archaic through Woodland periods.

Artifact 1-17 is a bifacial knife midsection. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and missing the base and most of the stem. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.5 cm x 2.2 cm x 0.5 cm and it weighs 3.3 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

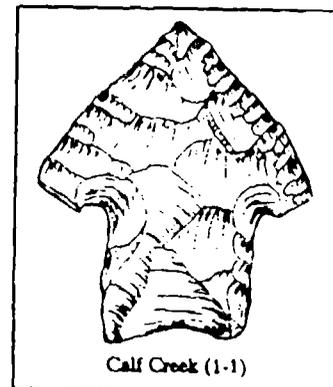
Artifact 1-18 is a bifacial drill midsection. It has a missing tip, a damaged blade, no shoulders and a missing stem and base. The cross section is diamond-shaped with edge abrading on the blade and beveling on the left edge of the blade. Maximum dimensions are 3.0 cm x 0.9 cm x 0.6 cm and it weighs 2.5 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from perforating. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-19 is a bifacial knife proximal. It is an unstemmed specimen with a missing tip, a damaged blade, no shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 6.6 cm x 5.0 cm x 0.8 cm and it weighs 22.2 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

### 23DA386

23DA386 is a prehistoric habitation exhibiting evidence of Middle to Late Archaic and Middle to Late Woodland Period occupations. It was recorded by Howard Wimmer in 1988 when he collected 92 artifacts weighing 1,456.9 g. These included 5 stemmed biface fragments (39.9 g), 1 unstemmed biface fragment (5.4 g), 1 blank (217.3 g), 2 dart point fragments (14.9 g), 3 dart points (16.8 g), 2 bifacial drill fragments (15.6 g), 17 bifacial knife fragments (132.8 g), 7 bifacial knives (56.8 g), 47 preform fragments (884.9 g), 1 preform (18.3 g), 3 projectile point/knife fragments (31.5 g) and 3 projectile point/knives (22.7 g).

Artifact 1-1 is a bifacial knife proximal. It is a parallel stem specimen with a broad tip, an excurvate blade, basal notches, barbed shoulders (both now missing) and a concave base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.1 cm x 3.5 cm x 0.7 cm and it weighs 8.8 g. The stem measures 1.7 cm x 1.9 cm



and comprises about 41% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and as a variant of the Calf Creek type, which is associated with the Middle Archaic Period. The concave base and lack of stem grinding are not typical of Calf Creek and this is probably a late variant of the type.



Artifact 1-2 is a bifacial knife. It is an expanding stem specimen with a broad tip, an excurvate blade, basal notches, barbed shoulders and a convex base. The cross section is rhomboidal with no edge abrading and beveling on the right blade edge. Maximum dimensions are 3.3 cm x 4.0 cm x 0.8 cm and it weighs 9.3 g. The stem measures 1.2 cm x 2.3 cm and comprises about 36% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and is an unclassified type that may be associated with the Middle

Archaic Period. It may be related to the Calf Creek type, but is probably younger. Similarly shaped specimens were recovered in Calf Creek Cave in a disturbed context (Dickson 1970:63).

Artifacts cataloged as 1-4 include four bifacial knife midsections. All have missing tips, damaged blades, no shoulders and missing stems and bases. None exhibit edge abrading or beveling. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. These are of an unclassified type not associated with a specific cultural period.

Artifacts cataloged as 1-5 include nine bifacial knife midsections. All have missing tips, damaged blades, no shoulders and missing stems and bases. None exhibit edge abrading or beveling. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. These are of an unclassified type not associated with a specific cultural period.

Artifact 1-7 is a projectile point/knife. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, square shoulders and a convex base. The tip has been carried away by an impact fracture. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.7 cm x 2.8 cm x 0.7 cm and it weighs 7.9 g. The stem measures 1.0 cm x 2.0 cm and comprises about 27% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from



cutting meat without bone contact. This specimen is resharpened and most closely resembles the Big Creek type, which is associated with the Late Archaic Period.



Table Rock Stemmed (1-8)

Artifact 1-8 is a bifacial knife. It is an expanding stem specimen with a damaged tip, an excurvate blade, square shoulders and a concave base. The cross section is biconvex with edge abrading on the base and stem and no beveling. Maximum dimensions are 3.4 cm x 2.5 cm x 0.8 cm and it weighs 6.2 g. The stem measures 1.4 cm x 1.8 cm and comprises about 41% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and is a variant of the Table Rock Stemmed type, which is associated with the Late Archaic Period.

Artifact 1-9 is a bifacial knife. It is an expanding stem specimen with a missing tip, an excurvate blade, side notches, sloping shoulders and a concave base. The cross section is rhomboidal with edge abrading on the base and beveling on the left edge of the blade. Maximum dimensions are 3.6 cm x 2.3 cm x 0.7 cm and it weighs 6.8 g. The stem measures 1.2 cm x 2.0 cm and comprises about 33% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Hanna type, which is associated with the Late Archaic Period.



Hanna (1-9)

Artifact 1-11 is a dart point stem. It is an expanding stem specimen with a missing tip and blade, side notches, missing shoulders and a concave base. The tip has been carried away by an impact fracture. The cross section is irregular with edge abrading on the stem and no beveling. Maximum dimensions are 2.6 cm x 1.8 cm x 0.6 cm and it weighs 4.0 g. The stem measures 1.3 cm x 1.8 cm and comprises 50% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is exhausted and most closely resembles the Hanna type, which is associated with the Late Archaic Period.



Hanna (1-12)

Artifact 1-12 is a dart point. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, sloping shoulders and a concave base. The tip has been carried away by an impact fracture. The cross section is biconvex with edge abrading on and immediately above, the sloping shoulders but no beveling. Maximum dimensions are 3.8 cm x 2.3 cm x 0.8 cm and it weighs 7.3 g. The stem measures 1.3 cm x 2.0 cm and comprises about 34% of the total length of the specimen. The raw material is heat-treated Burlington

chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is resharpened and most closely resembles the Hanna type, which is associated with the Late Archaic Period.

Artifact 1-13 is a dart point. It is an expanding stem specimen with a pointed tip, a straight blade, side notches, sloping shoulders and a concave base. The cross section is biconvex with edge abrading on the base and stem and no beveling. Maximum dimensions are 2.2 cm x 2.2 cm x 0.7 cm and it weighs 4.0 g. The stem measures 1.2 cm x 2.2 cm and comprises about 55% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is exhausted and most closely resembles the Hanna type, which is associated with the Late Archaic Period. This specimen has been resharpened to a pointed stub, probably on a foreshaft. The steeply beveled edges would not be effective as a cutting tool. It was probably resharpened in the field and discarded when new a biface was made.

Artifact 1-14 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip and blade, barbed shoulders and a straight base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 2.5 cm x 2.7 cm x 0.6 cm and it weighs 5.6 g. The stem measures 1.1 cm x 1.9 cm and comprises about 44% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is a variant of the Table Rock Stemmed type, which is associated with the Late Archaic Period.



Artifact 1-15 is a bifacial knife midsection. It has a missing tip, an excurvate blade, side notches, square shoulders and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.3 cm x 3.3 cm x 0.6 cm and it weighs 10.0 g. The raw material is heat-treated Elsey chert, which is generally found further south. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Gibson type, which is associated with the Woodland Period.

Artifact 1-16 is a dart point. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, sloping shoulders and a concave base. The tip has been carried away by an impact fracture. The cross section is biconvex with edge abrading on the notches and no beveling. Maximum dimensions are 2.6 cm x 2.0 cm x 0.8 cm and it weighs 5.5 g. The stem measures 1.4 cm x 2.0 cm and comprises about 54% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is exhausted and most closely resembles the Hanna type, which is associated with the Late Archaic Period.

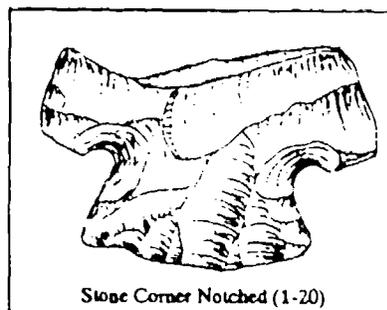
Artifact 1-17 is a dart point stem. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, missing shoulders and a convex base. The tip has been carried away by an impact fracture. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.8 cm x 3.1 cm x 0.8 cm and it weighs 10.9 g. The stem measures 1.2 cm x 2.7 cm and comprises about 32% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is exhausted and most closely resembles the Big Creek type, which is associated with the Late Archaic Period.

Artifact 1-18 is a bifacial knife. It is an expanding stem specimen with a missing tip (which was probably pointed), a straight blade, side notches, sloping shoulders and a straight base. The cross section is diamond-shaped with no edge abrading and no beveling. Maximum dimensions are 5.0 cm x 2.0 cm x 0.9 cm and it weighs 10.0 g. The stem measures 1.2 cm x 2.0 cm and comprises about 24% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is exhausted and is an unclassified type, which may be associated with the Woodland Period. Probably it was a Steuben or Rice Side Notched, but it has been too extensively resharpened to be certain.



Artifact 1-19 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.0 cm x 3.5 cm x 0.9 cm and it weighs 10.2 g. The stem measures 1.5 cm x 2.7 cm and comprises about 38% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.

Artifact 1-20 is a stemmed biface proximal. It is an expanding stem specimen with a missing tip and blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with edge abrading on the base and no beveling. Maximum dimensions are 2.9 cm x 4.4 cm x 0.7 cm and it weighs 9.3 g. The stem measures 1.4 cm x 3.0 cm and comprises about 48% of the total length of the specimen. The raw material is heat-treated



Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.

Artifact 1-21 is a projectile point/knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a convex base. The tip has been carried away by an impact fracture. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.2 cm x 3.3 cm x 0.9 cm and it weighs 12.6 g. The stem measures 1.3 cm x 2.7 cm and comprises about 31% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period. Some damage has resulted from heat, as evidence by a potlid fracture on one face.

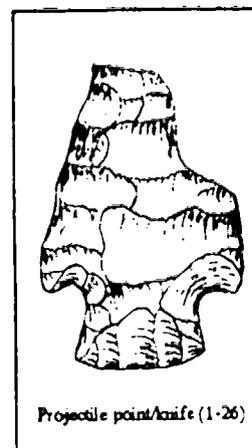
Artifact 1-22 is a stemmed biface proximal. It is an expanding stem specimen with a missing tip and blade, corner notches, square shoulders and a convex base. The cross section is biconvex with edge abrading on the base and no beveling. Maximum dimensions are 3.1 cm x 2.9 cm x 0.8 cm and it weighs 8.9 g. The stem measures 1.4 cm x 2.9 cm and comprises about 45% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is exhausted and most closely resembles the Kings Corner Notched type, which is associated with the Late Archaic Period.

Artifact 1-24 is a biface fragment. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, barbed shoulders and a convex base. The cross section is biconvex with edge abrading on the base and no beveling. Maximum dimensions are 3.1 cm x 2.8 cm x 0.8 cm and it weighs 8.0 g. The stem measures 1.3 cm x 2.5 cm and comprises about 42% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Big Creek type, which is associated with the Late Archaic Period.



Artifact 1-25 is a projectile point/knife. It is an expanding stem specimen with a missing tip by an impact fracture, a damaged blade, side notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.1 cm x 2.9 cm x 0.7 cm and it weighs 8.0 g. The stem measures 1.6 cm x 2.3 cm and comprises about 39% of the total length of the specimen. The raw material is Keokuk chert, which is abundant further south but may be available locally in highly restricted areas. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen most closely resembles the Late Archaic Period Texas Palmillas type not generally found as far north as Missouri.

Artifact 1-26 is a projectile point/knife. It is an expanding stem specimen with a missing tip, a damaged blade, corner notching, barbed shoulders and a convex base. The tip has been carried away by an impact fracture. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.9 cm x 2.6 cm x 0.6 cm and it weighs 6.8 g. The stem measures 1.0 cm x 1.8 cm and comprises about 26% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type, which may be associated with the Late Woodland Period. Similarly shaped bifaces were found in Late Woodland context at the Albertson Site (3BE174; Dickson 1991:131).



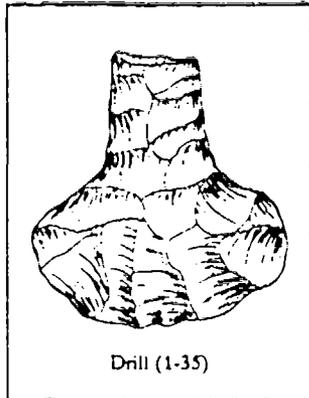
Artifact 1-27 is a bifacial knife. It is an expanding stem corner removed specimen with a missing tip, a damaged blade, sloping shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.9 cm x 2.3 cm x 0.5 cm and it weighs 5.5 g. The stem measures 1.2 cm x 1.8 cm and comprises about 31% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and is an unclassified type that may be associated with the Late Woodland Period.

Artifact 1-28 is a bifacial knife proximal. It is a parallel stem specimen with a missing tip, a damaged blade, basal notches, barbed shoulders and a missing base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.3 cm x 3.7 cm x 0.9 cm and it weighs 13.6 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Smith type, which is associated with the Late Archaic Period.

Artifact 1-33 is a projectile point/knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, sloping shoulders and a convex base. The tip has been carried away by an impact fracture. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.2 cm x 2.5 cm x 0.9 cm and it weighs 10.2 g. The stem measures 1.2 cm x 2.5 cm and comprises about 29% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Rice Side Notched type, which is associated with the Woodland Period.

Artifact 1-34 is a projectile point/knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, missing shoulders and a concave base. The tip has been carried away by an impact fracture. The cross section is biconvex with

no edge abrading and no beveling. Maximum dimensions are 4.5 cm x 2.3 cm x 0.7 cm and it weighs 8.7 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Rice Side Notched type, which is associated with the Woodland Period.



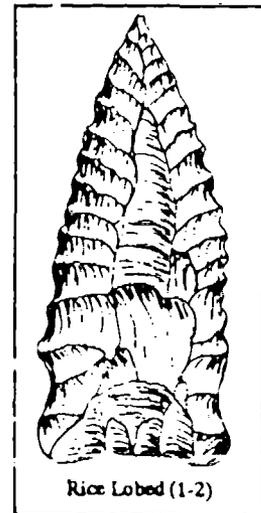
Artifact 1-35 is a bifacial drill proximal. It is an expanding stem specimen with a missing tip and blade, no shoulders and a convex base. The cross section is diamond-shaped with no edge abrading and no beveling. Maximum dimensions are 3.4 cm x 3.2 cm x 0.9 cm and it weighs 9.6 g. The stem measures 2.0 cm x 3.3 cm and comprises about 59% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from perforating. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-36 is a bifacial drill midsection. It is an missing stem specimen with a missing tip, a damaged blade, no shoulders and a missing base. The cross section is diamond-shaped with no edge abrading and no beveling. Maximum dimensions are 3.2 cm x 1.8 cm x 0.8 cm and it weighs 6.0 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from perforating. This specimen is an unclassified type not associated with a specific cultural period.

### 23DA387

23DA387 is a prehistoric habitation exhibiting evidence of Early to Late Archaic and Middle to Late Woodland Period occupations. It was recorded by Howard Wimmer in 1988 when he collected 88 artifacts weighing 1,221.7 g. These included 5 biface fragments (23.6 g), 9 stemmed biface fragments (65.7 g), 1 dart point (12.7 g), 2 bifacial drill fragments (13.2 g), 12 bifacial knife fragments (167.4 g), 13 bifacial knives (157.1 g), 1 flake knife (12.3 g), 1 knife/scrapper fragment (14.8 g), 1 knife/scrapper (13.3 g), 36 preform fragments (604.5 g), 3 preforms (90.5 g), 1 projectile point/knife fragment (11.3 g), 2 projectile point/knives (22.1 g) and 1 bifacial side scraper fragment (13.2 g).

Artifact 1-2 is a bifacial knife. It is an expanding stem specimen with a pointed tip, an excurvate blade, side notches, sloping shoulders and a concave base. The cross section is irregular with edge abrading on the base and stem and beveling on the left edge of the blade. Maximum dimensions are 5.7 cm x 2.5 cm x 0.8 cm and it weighs 12.5 g. The stem measures 1.4 cm x 2.5 cm and comprises about 25% of the total length of the specimen. The raw



material is Keokuk chert, which is abundant further south but may be available locally in highly restricted areas. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and is a variant of the Rice Lobed type, which is associated with the Early Archaic Period.

Artifacts cataloged as 1-3 include four bifacial knife midsections. All have missing tips, damaged blades, no shoulders and missing stems and bases. None exhibit edge abrading or beveling. The raw material is Burlington chert (both heat-treated and untreated), which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-4 is a bifacial knife. It is an expanding stem specimen with a pointed tip, an asymmetrical blade, side notches, sloping shoulders and a convex base. The cross section is rhomboidal with edge abrading on the stem and beveling on the right blade edge. Maximum dimensions are 5.8 cm x 3.8 cm x 0.9 cm and it weighs 18.6 g. The stem measures 1.6 cm x 3.3 cm and comprises about 28% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Big Creek variant type, which is associated with the Late Archaic Period.

Artifact 1-5 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, square shoulders and a convex base. The cross section is biconvex with edge abrading on the stem but no beveling. Maximum dimensions are 4.2 cm x 3.8 cm x 0.9 cm and it weighs 17.7 g. The stem measures 1.3 cm x 2.7 cm and comprises about 31% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Big Creek type, which is associated with the Late Archaic Period.

Artifact 1-6 is a bifacial knife. It is an expanding stem specimen with a broad tip, a straight blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.6 cm x 3.5



cm x 0.8 cm and it weighs 10.0 g. The stem measures 1.4 cm x 3.2 cm and comprises about 39% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is exhausted and most closely resembles the Big Creek type, which is associated with the Late Archaic Period.

Artifact 1-7 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, square shoulders and a straight base. The cross section is

biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 4.1 cm x 3.6 cm x 0.8 cm and it weighs 12.0 g. The stem measures 1.4 cm x 2.5 cm and comprises about 34% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.

Artifact 1-8 is a bifacial knife. It is an expanding stem specimen with a rounded tip, an excurvate blade, side notches, square shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.7 cm x 2.8 cm x 0.6 cm and it weighs 5.3 g. The stem measures 1.2 cm x 2.7 cm and comprises about 44% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is exhausted and most closely resembles the Big Creek type, which is associated with the Late Archaic Period.

Artifact 1-10 is a projectile point/knife. It is an expanding stem specimen with a missing tip, an excurvate blade, corner notches, barbed shoulders and a straight base. The tip has been carried away by an impact fracture. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 4.6 cm x 4.0 cm x 0.9 cm and it weighs 14.5 g. The stem measures 1.5 cm x 2.8 cm and comprises about 33% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.

Artifact 1-11 is a bifacial knife/scrapper. It is an expanding stem specimen with a resharpened tip, an excurvate blade, square shoulders and a straight base. The cross section is biconvex with edge abrading on the stem but no beveling. Maximum dimensions are 3.9 cm x 3.8 cm x 0.8 cm and it weighs 13.3 g. The stem measures 1.3 cm x 2.3 cm and comprises about 33% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from scraping dry hide. This specimen is an unclassified type, which may be associated with the Late Archaic Period.



Bifacial knife/scrapper (1-11)

Artifact 1-12 is a bifacial side scraper midsection. It has a missing tip, a straight blade, corner notches, barbed shoulders and a missing stem and base. The cross section is biconvex with edge abrading on the blade and no beveling. Maximum dimensions are 4.6 cm x 3.0 cm x 0.6 cm and it weighs 13.2 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from

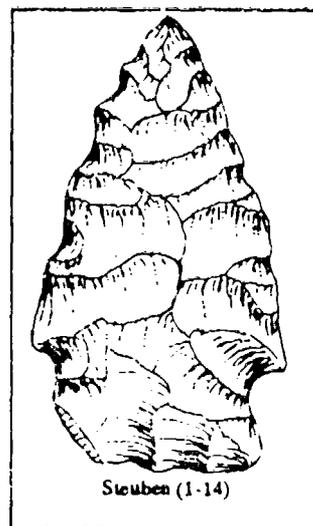
scraping an abrasive substance, probably dried pottery. This specimen is an unclassified type not associated with a specific cultural period.



Stone Square Stemmed (1-13)

Artifact 1-13 is a bifacial knife. It is a parallel stem specimen with a missing tip, a damaged blade, square shoulders and a straight base. The cross section is rhomboidal with edge abrading on the stem and beveling on the right blade edge. Maximum dimensions are 4.6 cm x 4.5 cm x 0.9 cm and it weighs 19.0 g. The stem measures 2.6 cm x 2.7 cm and comprises about 57% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Stone Square Stemmed type, which is associated with the Late Archaic Period.

Artifact 1-14 is a bifacial knife. It is an expanding stem specimen with a pointed tip, an excurvate blade, side notches, square shoulders and a straight base. The cross section is biconvex with edge abrading on the notches and no beveling. Maximum dimensions are 5.9 cm x 3.2 cm x 0.9 cm and it weighs 8.8 g. The stem is 1.5 cm long and comprises about 25% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Steuben type, which is associated with the Woodland Period.



Steuben (1-14)

Artifacts cataloged as 1-15 include four stemmed biface proximals. All have expanding stems, missing tips and blades, corner notches, square shoulders and a straight bases. None exhibit edge abrading or beveling. Raw materials include heat-treated Reeds Spring and heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. These specimens are of an unclassified type, which may be associated with the Late Archaic Period.

Artifacts cataloged as 1-16 include five bifacial knife midsections. All have missing tips, damaged blades, no shoulders and missing stems and bases. None exhibit edge abrading or beveling. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. These specimens are of an unclassified type not associated with a specific cultural period.



Artifact 1-17 is a projectile point/knife. It is a parallel stem specimen with a missing tip, a damaged blade, sloping shoulders and a straight base. The tip has been carried away by an impact fracture. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 3.8 cm x 2.2 cm x 0.8 cm and it weighs 7.6 g. The stem measures 1.1 cm x 1.5 cm and comprises about 29% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and is a variant of the Table Rock Stemmed type, which is associated with the Late Archaic Period.

Artifact 1-18 is a bifacial drill proximal. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, sloping shoulders and a convex base. The cross section is biconvex with edge abrading on the notches but no beveling. Maximum dimensions are 3.1 cm x 2.8 cm x 0.7 cm and it weighs 6.1 g. The stem measures 1.3 cm x 2.8 cm and comprises about 42% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from perforating. This specimen is an unclassified type, which may be associated with the Late Archaic Period.



Artifact 1-19 is a bifacial drill midsection. It has a missing tip and blade, no shoulders and a missing stem and base. The cross section is diamond-shaped with no edge abrading and no beveling. Maximum dimensions are 3.3 cm x 2.5 cm x 0.7 cm and it weighs 7.1 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from perforating. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-20 is a bifacial knife. It is an unstemmed specimen with a missing tip, a damaged blade, no notches, no shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.3 cm x 2.8 cm x 0.7 cm and it weighs 6.2 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

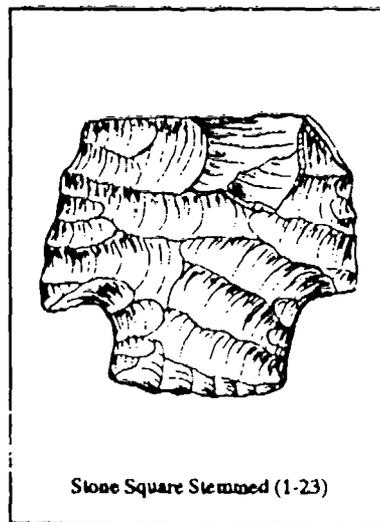
Artifact 1-21 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, missing shoulders and a convex base. The cross section is biconvex with edge abrading in the notches and no beveling. Maximum dimensions are 5.3 cm x 2.2 cm x 0.8 cm and it weighs 11.2 g. The stem measures 1.3 cm x 2.1 cm and comprises about 25% of the total length of the specimen. The raw material

is heat-treated Burlington chert, which is found locally. Microscopic examination revealed battering and wear resulting from cutting bone or antler. This specimen is exhausted and most closely resembles the Rice Side Notched type, which is associated with the Woodland Period.



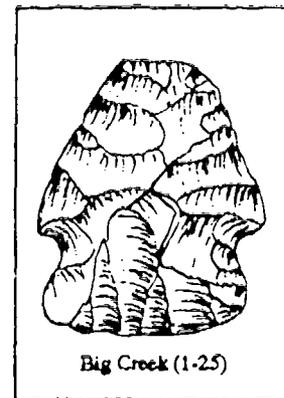
Artifact 1-22 is a stemmed biface proximal. It is an expanding stem specimen with a missing tip and blade, side notches, missing shoulders and a concave base. The cross section is biconvex with edge abrading in the notches but no beveling. Maximum dimensions are 2.5 cm x 2.8 cm x 0.8 cm and it weighs 7.4 g. The stem measures 1.5 cm x 2.8 cm and comprises 60% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is a variant of the White River type, which is associated with the Middle Archaic Period. This is a fairly rare variant of White River type. Instead of being parallel below the notches, this area contracts sharply to a basal notch.

Artifact 1-23 is a projectile point/knife stem. It is a parallel stem corner removed specimen with a missing tip, a damaged blade, barbed shoulders and a concave base. The tip has been carried away by an impact fracture. The cross section is biconvex with edge abrading on the stem but no beveling. Maximum dimensions are 3.5 cm x 4.2 cm x 0.8 cm and it weighs 12.9 g. The stem measures 1.2 cm x 2.3 cm and comprises about 34% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Stone Square Stemmed type, which is associated with the Late Archaic Period.



Artifact 1-24 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a straight base. It is split lengthwise through blade and stem. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.8 cm x 2.4 cm x 1.1 cm and it weighs 18.1 g. The stem is 1.3 cm long and comprises about 27% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Afton type, which is associated with the Late Archaic Period.

Artifact 1-25 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, square shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.6 cm x 2.9 cm x 0.8 cm and it weighs 9.4 g. The stem measures 1.2 cm x 2.7 cm and comprises about 33% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is exhausted and most closely resembles the Big Creek type, which is associated with the Late Archaic Period.



Artifact 1-26 is a dart point. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, missing shoulders and a convex base. The tip has been carried away by an impact fracture. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.1 cm x 3.3 cm x 0.8 cm and it weighs 12.7 g. The stem measures 1.4 cm x 3.2 cm and comprises about 34% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is exhausted and most closely resembles the Big Creek type, which is associated with the Late Archaic Period.

Artifact 1-27 is a stemmed biface midsection. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, missing shoulders and a missing base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.9 cm x 3.7 cm x 0.9 cm and it weighs 13.7 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from battering, however, the stem is mostly missing and the blade margins are so battered that evaluation of function is impossible. This specimen is resharpened and most closely resembles the Big Creek type, which is associated with the Late Archaic Period.

Artifact 1-28 is a bifacial knife proximal. It is a parallel stem specimen with a missing tip, a damaged blade, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.8 cm x 3.2 cm x 0.8 cm and it weighs 12.6 g. The stem is 1.1 cm long and comprises about 23% of the total length of the specimen. The raw material is Elsey chert, which is generally found further south. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Stone Square Stemmed type, which is associated with the Late Archaic Period.

Artifact 1-29 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.3 cm x 2.8 cm x 0.6 cm and it weighs 8.0 g. The stem measures 1.1 cm x 2.5 cm and comprises about 26% of the total length of the specimen. The raw material is heat-treated

Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Steuben type, which is associated with the Woodland Period.

Artifact 1-30 is a stemmed biface proximal. It is an expanding stem specimen with a missing tip and blade, corner notches, barbed shoulders and a straight base. The cross section is biconvex with edge abrading on the stem but no beveling. Maximum dimensions are 2.5 cm x 3.3 cm x 0.8 cm and it weighs 7.9 g. The stem measures 1.4 cm x 3.3 cm and comprises about 56% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.

Artifact 1-31 is a stemmed biface proximal. It is an expanding stem specimen with a missing tip and blade, side notches, sloping shoulders and a straight base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 2.4 cm x 2.8 cm x 1.0 cm and it weighs 8.7 g. The stem measures 1.7 cm x 2.8 cm and comprises about 71% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is a variant of the Stone Corner Notched type, which is associated with the Late Archaic Period.

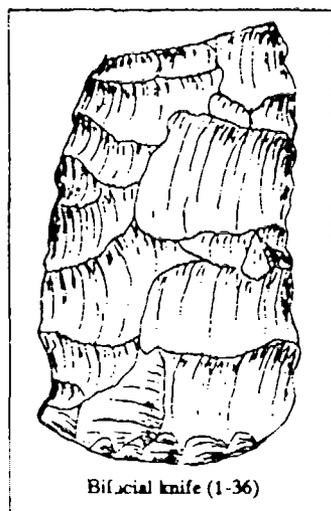
Artifact 1-32 is a stemmed biface proximal. It is an expanding stem specimen with a missing tip and blade, corner notches, square shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.8 cm x 3.5 cm x 0.7 cm and it weighs 5.1 g. The stem measures 1.2 cm x 2.8 cm and comprises about 67% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.

Artifact 1-33 is a projectile point/knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a convex base. The tip has been carried away by an impact fracture. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 3.9 cm x 2.9 cm x 0.9 cm and it weighs 11.3 g. The stem measures 1.3 cm x 2.9 cm and comprises about 33% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Big Creek type, which is associated with the Late Archaic Period.

Artifact 1-34 is a bifacial knife/scrapper proximal. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a straight base. The cross section is plano-convex with edge abrading on the stem and unifacial beveling. Maximum dimensions are 4.5 cm x 3.4 cm x 0.7 cm and it weighs 14.8 g. The stem

measures 1.5 cm x 3.0 cm and comprises about 33% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact and from scraping wet hide. This specimen is exhausted and is an unclassified type not associated with a specific cultural period.

Artifact 1-35 is a stemmed biface proximal. It is an expanding stem specimen with a missing tip, a damaged blade, basal notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.0 cm x 3.5 cm x 0.9 cm and it weighs 3.9 g. The stem measures 1.0 cm x 0.0 cm and comprises 25% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from battering. This specimen is a variant of the Kings Corner Notched type, which is associated with the Late Archaic Period.



Artifact 1-36 is a bifacial knife. It is an unstemmed specimen with a missing tip, an asymmetrical blade, no notches, no shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 5.7 cm x 3.5 cm x 0.7 cm and it weighs 18.4 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and is an unclassified type not associated with a specific cultural period. This may be a preform for a type like the Kings Corner Notched, but there is no hafting provision.

Artifact 1-37 is a flake knife. Maximum dimensions are 5.0 cm x 2.8 cm x 0.9 cm and it weighs 12.3 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is not associated with a cultural period.

### 23DA388

23DA388 is a prehistoric habitation exhibiting evidence of Late Archaic and Woodland Period occupations. It was recorded by Howard Wimmer in 1988 when he collected 3 artifacts weighing 31.6 g. These included 1 stemmed biface (8.2 g), 1 bifacial knife fragment (13.8 g) and 1 bifacial knife (9.6 g).

Artifact 1-1 is a bifacial knife. It is a contracting stem corner removed specimen with a missing tip, a damaged blade, sloping shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.3 cm x 3.0 cm x 0.8 cm and it weighs 9.6 g. The stem measures 1.5 cm x 1.9 cm and comprises about 35% of the total length of the specimen. The raw material is heat-treated

Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Langtry type, which is associated with the Late Archaic through Woodland periods.

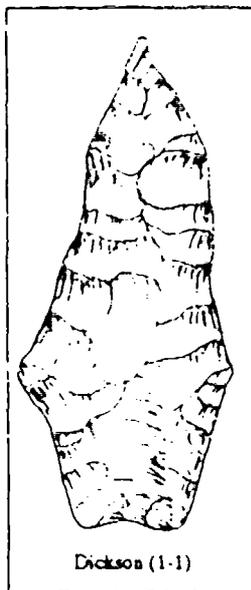


Artifact 1-2 is a bifacial knife midsection. It has a missing tip, a damaged blade, no notches, missing shoulders and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.8 cm x 3.8 cm x 0.7 cm and it weighs 13.8 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-3 is a stemmed biface. It is an expanding stem specimen with a missing tip, an asymmetrical blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.3 cm x 3.4 cm x 0.7 cm and it weighs 8.2 g. The stem measures 1.2 cm x 2.1 cm and comprises about 28% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Lander Corner Notched type, which is associated with the Woodland Period.

### 23DA389

23DA389 is a prehistoric habitation exhibiting evidence of Early Archaic and Middle Woodland Period occupations. It was recorded by Howard Wimmer in 1988 when he collected 6 artifacts weighing 94.2 g. These included 1 bifacial knife fragment (6.9 g), 3 bifacial knives (29.3 g) and 2 preform fragments (58.0 g).

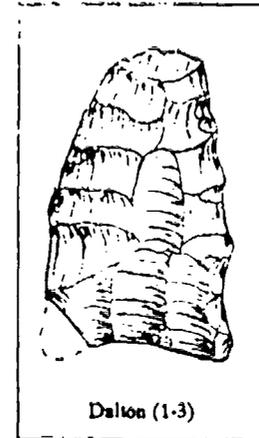


Artifact 1-1 is a bifacial knife. It is a contracting stem corner removed specimen with a pointed tip, an asymmetrical blade, sloping shoulders and a straight base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 6.5 cm x 2.6 cm x 0.8 cm and it weighs 11.3 g. The stem measures 1.7 cm x 2.1 cm and comprises about 26% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Dickson type, which is associated with the Woodland Period.

Artifact 1-2 is a bifacial knife. It is a contracting stem corner removed specimen with a missing tip, an incurvate blade, sloping

shoulders and a damaged base. The cross section is rhomboidal with no edge abrading and beveling on the left edge of the blade. Maximum dimensions are 3.9 cm x 3.0 cm x 0.7 cm and it weighs 7.8 g. The stem measures 1.7 cm x 2.1 cm and comprises about 44% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is exhausted and most closely resembles the Dickson type, which is associated with the Woodland Period.

Artifact 1-3 is a bifacial knife. It is a parallel stem specimen with a missing tip, a damaged blade, no notches, no shoulders and a damaged base. The cross section is rhomboidal with edge abrading on the base and stem and beveling on the left edge of the blade. Maximum dimensions are 4.0 cm x 2.4 cm x 1.0 cm and it weighs 10.2 g. The stem is 1.5 cm long and comprises about 38% of the total length of the specimen. The raw material is a poor grade Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is exhausted and most closely resembles the Dalton type, which is associated with the Early Archaic Period.



Artifact 1-4 is a bifacial knife midsection. It has a missing tip, a damaged blade, no notches, no shoulders and a missing stem and base. The cross section is rhomboidal with no edge abrading and beveling on the left edge of the blade. Maximum dimensions are 3.5 cm x 2.2 cm x 0.8 cm and it weighs 6.9 g. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

### 23DA390

23DA390 is a prehistoric habitation of unknown cultural affiliation. It was recorded by Howard Wimmer in 1988 when he collected 3 artifacts weighing 154.0 g. These included 1 blank (125.8 g) and 2 bifacial knife fragments (28.2 g).

Artifact 1-2 is a bifacial knife midsection. It has a missing tip, a straight blade, side notches, missing shoulders and a missing stem and base. The cross section is plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 4.2 cm x 2.3 cm x 0.7 cm and it weighs 6.4 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-3 is a bifacial knife midsection. It has a missing tip, a damaged blade, no notches, no shoulders and a missing stem and base. The cross section is biconvex with no

edge abrading and unifacial beveling. Maximum dimensions are 5.2 cm x 3.7 cm x 0.9 cm and it weighs 21.8 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact and from scraping wet hide. This specimen is an unclassified type not associated with a specific cultural period.

### 23DA391

23DA391 is a prehistoric habitation exhibiting evidence of Late Archaic and Woodland Period occupations. It was recorded by Howard Wimmer in 1988 when he collected 2 artifacts weighing 14.6 g. These included 1 stemmed biface fragment (3.4 g) and 1 bifacial knife fragment (11.2 g).

Artifact 1-1 is a stemmed biface proximal. It is a contracting stem corner removed specimen with a missing tip and blade, sloping shoulders and a straight base. The cross section is biconvex with edge abrading on the base and stem and no beveling. Maximum dimensions are 2.5 cm x 2.4 cm x 0.7 cm and it weighs 3.4 g. The stem measures 1.3 cm x 1.7 cm and comprises about 52% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is exhausted and most closely resembles the Langtry type, which is associated with the Late Archaic through Woodland periods.

Artifact 1-2 is a bifacial knife midsection. It is an missing stem specimen with a missing tip, a damaged blade, no notches, missing shoulders and a missing base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.4 cm x 2.7 cm x 0.7 cm and it weighs 11.2 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

### 23DA392

23DA392 is a prehistoric habitation exhibiting evidence of a Late Archaic Period occupation. It was recorded by Howard Wimmer in 1988 when he collected 4 artifacts weighing 76.1 g. These included 1 dart point (8.0 g), 1 knife/scrapper fragment (21.6 g), 1 preform fragment (38.1 g) and 1 bifacial side scrapper fragment (8.4 g).



Artifact 1-1 is a dart point. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, missing shoulders and a convex base. The tip has been carried away by an impact fracture. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.4 cm x 2.8 cm x 0.8 cm and it weighs 8.0 g. The stem measures 1.4 cm x 2.9 cm and comprises about 41% of the total length of the specimen. The raw material is Burlington chert, which is found locally.

Microscopic examination revealed no evidence of use-wear. This specimen is exhausted and most closely resembles the Big Creek type, which is associated with the Late Archaic Period.

Artifact 1-2 is a bifacial side scraper midsection. It is an unstemmed specimen with a missing tip, an excurvate blade, no notches, no shoulders and a missing base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.4 cm x 3.1 cm x 0.7 cm and it weighs 8.4 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from scraping dry hide. This specimen is an unclassified type not associated with a specific cultural period.

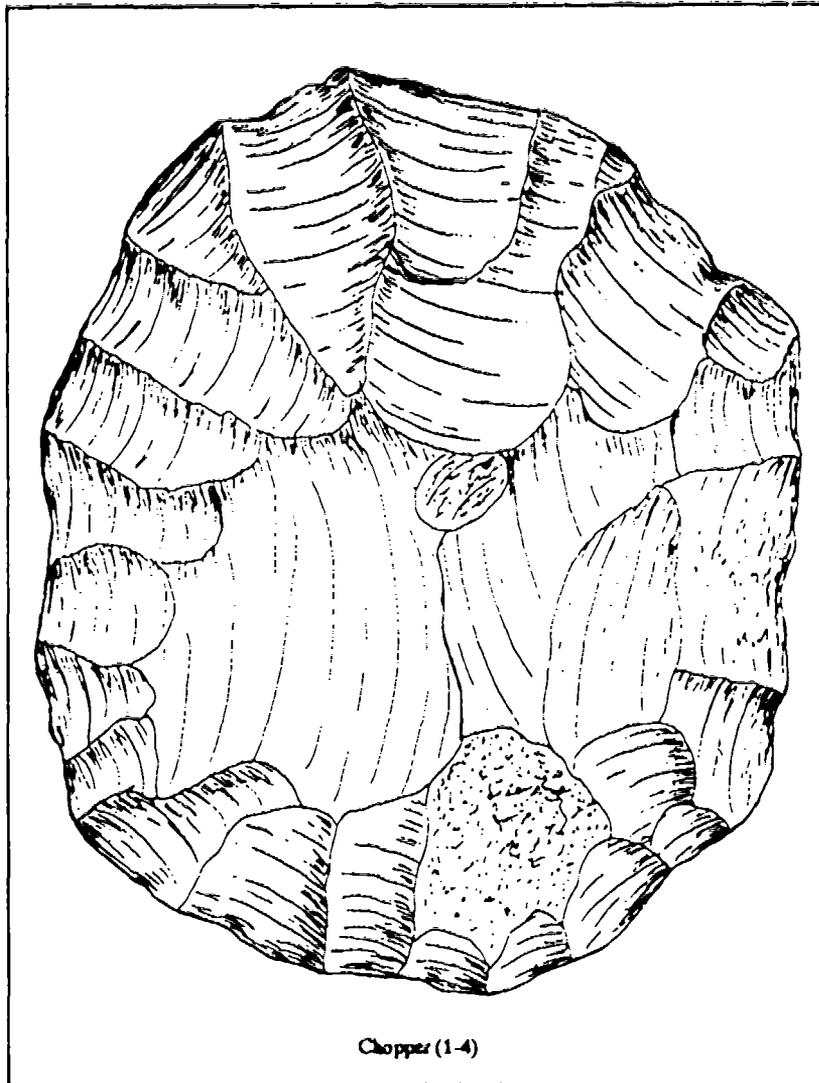
Artifact 1-3 is a bifacial end scraper distal. It is an unstemmed specimen with a rounded tip, an excurvate blade, no notches, no shoulders and a missing base. The cross section is biconvex with no edge abrading and unifacial beveling. Maximum dimensions are 5.1 cm x 3.8 cm x 1.0 cm and it weighs 21.6 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact and from scraping dry hide. This specimen is an unclassified type not associated with a specific cultural period.

### 23DA393

23DA393 is a prehistoric habitation exhibiting evidence of Early to Late Archaic and Middle to Late Woodland Period occupations. It was recorded by Howard Wimmer in 1988 when he collected 183 artifacts weighing 3,619.2 g. These included 20 stemmed biface fragments (153.8 g), 1 stemmed biface (17.5 g), 6 blanks (729.1 g), 1 chopper (348.6 g), 1 core (58.5 g), 2 dart point fragments (22.6 g), 5 dart points (38.0 g), 3 bifacial drill fragments (12.3 g), 1 notched flake (10.0 g), 1 piece of hematite (31.4 g), 33 bifacial knife fragments (278.8 g), 22 bifacial knives (208.4 g), 1 flake knife (2.7 g), 2 knife/scrapper fragments (12.5 g), 4 knife/scrapers (34.2 g), 70 preform fragments (1,514.4 g), 4 preforms (95.3 g), 1 aborted preform fragment (18.5 g), 1 projectile point/knife fragment (4.6 g), 3 projectile point/knives (15.2 g) and 1 bifacial spokeshave (12.8 g).

Artifacts cataloged as 1-2 include 20 bifacial knife midsections. All have missing tips, damaged blades, no notches, no shoulders and missing stems and bases. None exhibit no edge abrading or beveling. Raw materials include Reeds Spring and Burlington (both heat-treated and untreated) chert, both of which are found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. These are of an unclassified type not associated with a specific cultural period.

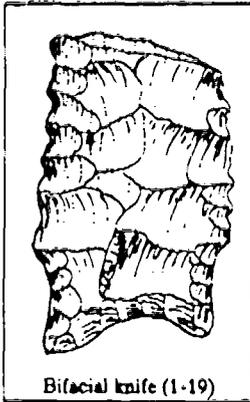
Artifact 1-4 is a chopper. It is an unstemmed specimen with a rounded tip, an excurvate blade, no notches, no shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 11.9 cm x 10.0 cm x 2.7 c and it weighs 348.6 g. The raw material is heat-treated Pierson chert, which is abundant in the Branson area and may be exposed in limited areas locally. Microscopic examination revealed battering but no evidence of use-wear. This specimen is an unclassified type not associated with a specific cultural period.



This large artifact may represent a preform for an axe or hoe, but some battering can be seen on margins, so it was used as is. A bit of stream cortex is present on one face, otherwise it is worked bifacially.

Artifacts cataloged as 1-6 include three bifacial knife midsections. All have missing tips, damaged blades, no notches, no shoulders and missing stems and bases. None exhibit edge abrading or beveling. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. These are of an unclassified type not associated with a specific cultural period.

Artifact 1-19 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, sloping shoulders and a concave base. The cross section is biconvex with edge abrading on the base and stem but no beveling. Maximum dimensions are 4.2 cm x 2.6 cm x 0.8 cm and it weighs 12.2 g. The stem measures 1.3 cm x 2.3 cm and comprises about 31% of the total length of the specimen. The raw material

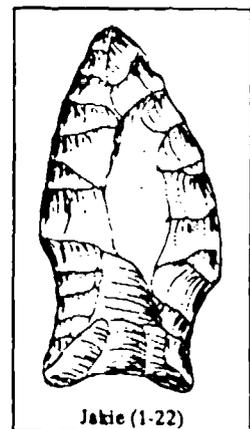


is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and is an unclassified type, which may be associated with the Early Archaic Period. This is a fairly common but unnamed type. It resembles Breckenridge except it is unbeveled. It also resembles the Rice, but the tangs are too pointed. The stem does not expand as much as does the Middle Archaic Jakie point.

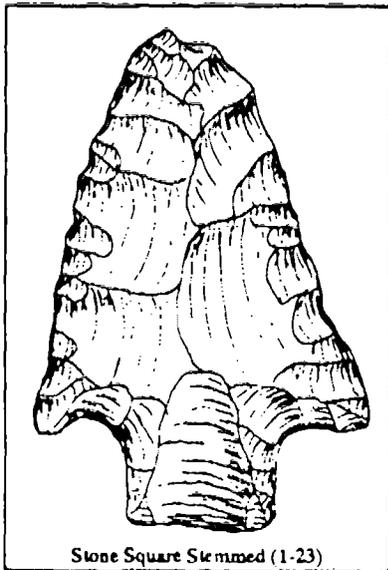
Artifact 1-20 is a stemmed biface proximal. It is a parallel stem corner removed specimen with a missing tip and blade, sloping shoulders and a concave base. The cross section is biconvex with edge abrading on the base and stem but no beveling. Maximum dimensions are 2.9 cm x 2.7 cm x 0.6 cm and it weighs 5.8 g. The stem measures 1.5 cm x 2.2 cm and comprises about 52% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type, which may be associated with the Early Archaic Period.

Artifact 1-21 is a stemmed biface proximal. It is a parallel stem corner removed specimen with a missing tip and blade, square shoulders and a concave base. The cross section is biconvex with edge abrading on the base and stem and no beveling. Maximum dimensions are 2.8 cm x 2.4 cm x 0.7 cm and it weighs 4.4 g. The stem measures 1.4 cm x 1.9 cm and comprises 50% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Jakie type, which is associated with the Middle Archaic Period.

Artifact 1-22 is a bifacial knife. It is an expanding stem corner removed specimen with a rounded tip, an asymmetrical blade, sloping shoulders and a concave base. The cross section is irregular with edge abrading on the base and stem and beveling on the left edge of the blade. Maximum dimensions are 4.5 cm x 2.4 cm x 0.7 cm and it weighs 9.3 g. The stem measures 1.5 cm x 2.0 cm and comprises about 33% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Jakie type, which is associated with the Middle Archaic Period.



Artifact 1-23 is a bifacial knife. It is a parallel stem corner removed specimen with a pointed tip, a straight blade, barbed shoulders and a straight base. The cross section is biconvex with edge abrading on the base and no beveling. Maximum dimensions are 6.5 cm x 4.4 cm x 1.0 cm and it weighs 23.5 g. The stem measures 1.4 cm x 2.0 cm and comprises about 22% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed



wear resulting from cutting meat with bone contact. This specimen most closely resembles the Stone Square Stemmed type, which is associated with the Late Archaic Period.

Artifact 1-24 is a bifacial knife proximal. It is a parallel stem corner removed specimen with a missing tip, a damaged blade, square shoulders and a straight base. The cross section is biconvex with edge abrading on the stem but no beveling. Maximum dimensions are 4.6 cm x 4.1 cm x 1.1 cm and it weighs 22.1 g. The stem measures 1.5 cm x 2.2 cm and comprises about 33% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed battering and wear resulting from cutting meat with bone contact. This specimen is

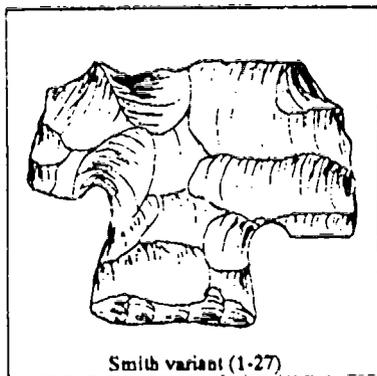
resharpened and most closely resembles the Stone Square Stemmed type, which is associated with the Late Archaic Period.

Artifact 1-25 is a bifacial knife/scrapper proximal. It is a parallel stem corner removed specimen with a missing tip, a damaged blade, square shoulders and a straight base. The cross section is biconvex with edge abrading on the base and stem and no beveling. Maximum dimensions are 3.4 cm x 3.3 cm x 1.0 cm and it weighs 12.5 g. The stem measures 1.2 cm x 2.3 cm and comprises about 35% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from scraping dry hide. This specimen is resharpened and most closely resembles the Stone Square Stemmed type, which is associated with the Late Archaic Period.



Artifact 1-26 is a bifacial knife proximal. It is a parallel stem corner removed specimen with a missing tip, a damaged blade, square shoulders and a straight base. The cross section is biconvex with edge abrading on the base and no beveling. Maximum dimensions are 3.2 cm x 3.7 cm x 0.8 cm and it weighs 12.1 g. The stem measures 1.2 cm x 2.4 cm and comprises about 38% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Stone Square Stemmed type, which is associated with the Late Archaic Period.

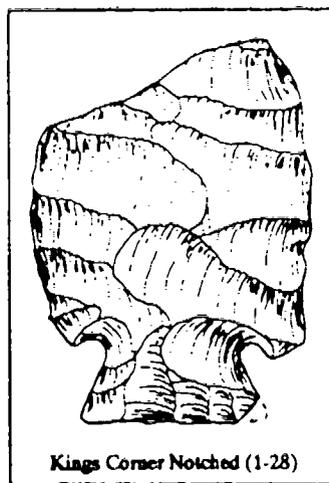
Artifact 1-27 is a stemmed biface proximal. It is a parallel stem specimen with a missing tip and blade, basal notches, barbed shoulders and a straight base. The cross section is biconvex with edge abrading on the base and stem and no beveling. Maximum



Smith variant (1-27)

dimensions are 3.5 cm x 4.2 cm x 0.9 cm and it weighs 13.6 g. The stem measures 1.3 cm x 2.3 cm and comprises about 37% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is a variant of the Smith type, which is associated with the Late Archaic Period. Unlike typical Smith bifaces, the stem expands slightly. The blade margins are too damaged to evaluate, however, the Smith type usually is a cutting tool.

Artifact 1-28 is a bifacial knife/scraper. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a straight base. The cross section is biconvex with edge abrading on the base and stem but no beveling. Maximum dimensions are 4.9 cm x 3.6 cm x 0.5 cm and it weighs 11.7 g. The stem measures 1.2 cm x 2.3 cm and comprises about 24% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact and from scraping wet hide. This specimen most closely resembles the Kings Corner Notched type, which is associated with the Late Archaic Period.



Kings Corner Notched (1-28)

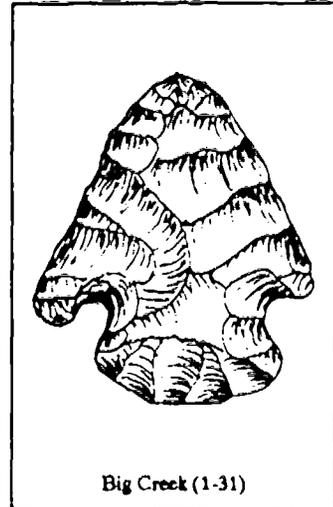
Artifact 1-29 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.3 cm x 3.7 cm x 0.6 cm and it weighs 11.8 g. The stem measures 1.2 cm x 2.5 cm and comprises about 28% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is a variant of the Kings Corner Notched type, which is associated with the Late Archaic Period.



White River (1-30)

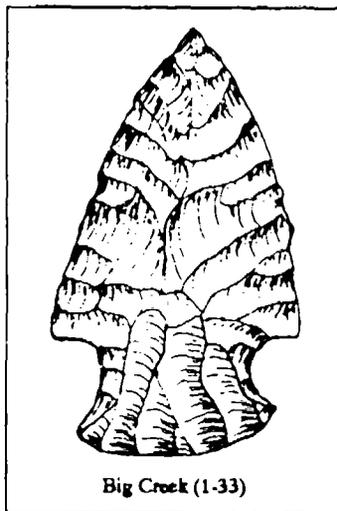
Artifact 1-30 is a bifacial knife. It is an unstemmed specimen with a pointed tip, a serrated blade, side notches, square shoulders and a concave base. The cross section is biconvex with edge abrading on the notches and no beveling. Maximum dimensions are 5.2 cm x 2.4 cm x 0.7 cm and it weighs 8.4 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is a variant of the White River type, which is associated with the Middle Archaic Period. It is a typical White River Archaic shape except for the serrations which are unusual.

Artifact 1-31 is a bifacial knife/scrapper. It is an expanding stem specimen with a rounded tip, an excurvate blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and unifacial beveling. Maximum dimensions are 4.3 cm x 3.6 cm x 0.7 cm and it weighs 10.7 g. The stem measures 1.3 cm x 2.3 cm and comprises about 30% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. The distal part has been unifacially beveled by pressure and used briefly as a scrapper. Microscopic examination revealed wear resulting from cutting meat without bone contact and from scraping wet hide. This specimen is resharpened and most closely resembles the Big Creek type, which is associated with the Late Archaic Period.



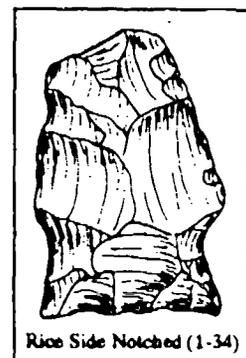
Big Creek (1-31)

Artifact 1-32 is a dart point. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with edge abrading on the base and stem and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 4.5 cm x 2.9 cm x 0.9 cm and it weighs 10.7 g. The stem measures 1.5 cm x 2.3 cm and comprises about 33% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is resharpened and most closely resembles the Big Creek type, which is associated with the Late Archaic Period.



Big Creek (1-33)

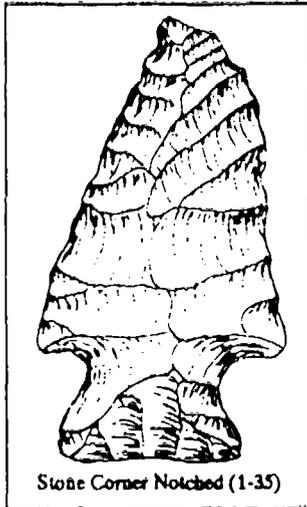
Artifact 1-33 is a bifacial knife. It is an expanding stem specimen with a pointed tip, an excurvate blade, side notches, square shoulders and a convex base. The cross section is biconvex with edge abrading on the base and stem and no beveling. Maximum dimensions are 5.5 cm x 3.2 cm x 0.9 cm and it weighs 12.8 g. The stem measures 1.4 cm x 2.7 cm and comprises about 25% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Big Creek type, which is associated with the Late Archaic Period.



Rice Side Notched (1-34)

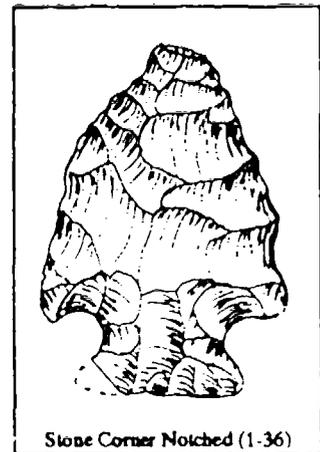
Artifact 1-34 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, sloping shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.7 cm x

2.4 cm x 0.6 cm and it weighs 6.2 g. The stem measures 1.0 cm x 2.3 cm and comprises about 27% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Rice Side Notched type, which is associated with the Woodland Period. This biface was made from a curved flake with a minimum of alteration, mostly by percussion flaking.



Artifact 1-35 is a bifacial knife. It is an expanding stem specimen with a missing tip, a straight blade, corner notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 5.7 cm x 3.3 cm x 0.8 cm and it weighs 13.5 g. The stem measures 1.3 cm x 2.4 cm and comprises about 23% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.

Artifact 1-36 is a bifacial knife. It is an expanding stem specimen with a rounded tip, an asymmetrical blade, corner notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.6 cm x 3.3 cm x 0.6 cm and it weighs 9.2 g. The stem measures 1.1 cm x 2.0 cm and comprises about 24% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.



Artifact 1-38 is a stemmed biface proximal. It is an expanding stem specimen with a missing tip and blade (although the small amount of blade remaining suggests incurving margins), corner notches, barbed shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.5 cm x 4.2 cm x 0.8 cm and it weighs 11.2 g. The stem is 1.2 cm long and comprises about 34% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is resharpened and most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.

Artifact 1-39 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, square shoulders and a straight base. The

cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 3.3 cm x 3.9 cm x 0.8 cm and it weighs 12.7 g. The stem measures 1.3 cm x 2.5 cm and comprises about 39% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.

Artifact 1-40 is a bifacial knife/scrapper proximal. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, missing shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.2 cm x 3.3 cm x 0.9 cm and it weighs 10.1 g. The stem measures 1.4 cm x 2.8 cm and comprises about 44% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from scraping dried pottery of a soft gritty stone. This specimen is a variant of the Steuben variant type, which is associated with the Woodland Period.



Artifact 1-41 is a bifacial knife. It is an expanding stem specimen with a rounded tip, an incurvate blade, side notches, square shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.7 cm x 3.1 cm x 0.9 cm and it weighs 9.8 g. The stem measures 1.4 cm x 3.0 cm and comprises about 38% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting bone or antler and from cutting soft stone. This specimen is exhausted and most closely resembles the Steuben type, which is associated with the Woodland Period.

Artifact 1-42 is a projectile point/knife. It is an expanding stem specimen with a missing tip, an incurvate blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 3.8 cm x 3.3 cm x 0.7 cm and it weighs 8.0 g. The stem measures 1.3 cm x 2.3 cm and comprises about 34% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is resharpened and most closely resembles the Big Creek type, which is associated with the Late Archaic Period.

Artifact 1-43 is a stemmed biface proximal. It is an expanding stem specimen with a missing tip and blade, corner notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.0 cm x 3.5 cm x 0.8 cm and it weighs 10.0 g. The stem measures 1.5 cm x 2.6 cm and comprises 50% of the total length of the specimen. The raw material is heat-treated

Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.



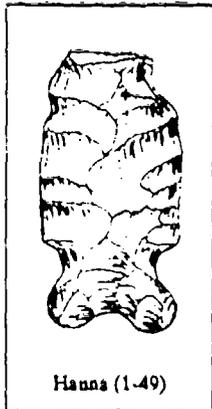
Artifact 1-44 is a stemmed biface proximal. It is an expanding stem specimen with a missing tip and blade, corner notches, missing shoulders and a straight base. The cross section is biconvex with edge abrading on the base and stem and no beveling. Maximum dimensions are 2.7 cm x 3.0 cm x 0.7 cm and it weighs 8.7 g. The stem measures 1.4 cm x 2.8 cm and comprises about 52% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.

Artifact 1-45 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.9 cm x 3.4 cm x 0.6 cm and it weighs 5.9 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.

Artifact 1-46 is an aborted preform proximal. It is a parallel stem specimen with a missing tip and blade, basal notches, barbed shoulders and a straight base. The cross section is plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 3.3 cm x 4.7 cm x 1.0 cm and it weighs 18.5 g. The stem measures 1.2 cm x 2.2 cm and comprises about 36% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen appears to be a preform for a Smith point, which is associated with the Late Archaic Period. The notches were started but not finished. The blade was roughly flaked and beveled to aid reduction.

Artifact 1-47 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, sloping shoulders and a damaged base. The cross section is biconvex with edge abrading on the stem but no beveling. Maximum dimensions are 4.2 cm x 2.4 cm x 0.8 cm and it weighs 9.7 g. The stem measures 1.3 cm x 2.2 cm and comprises about 31% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Hanna type, which is associated with the Late Archaic Period.

Artifact 1-48 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, sloping shoulders and a concave base. The cross section is biconvex with edge abrading on the base and no beveling. Maximum dimensions are 2.6 cm x 2.2 cm x 0.9 cm and it weighs 5.6 g. The stem measures 1.2 cm x 2.1 cm and comprises about 46% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is exhausted and most closely resembles the Hanna type, which is associated with the Late Archaic Period.

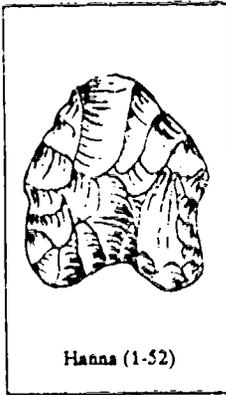


Artifact 1-49 is a dart point. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, damaged shoulders and a concave base. The tip has been carried away by an impact fracture. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.7 cm x 1.9 cm x 0.7 cm and it weighs 6.4 g. The stem measures 1.1 cm x 1.7 cm and comprises about 30% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is resharpened and most closely resembles the Hanna type, which is associated with the Late Archaic Period.

Artifact 1-50 is a dart point. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, sloping shoulders and a concave base. The tip has been carried away by an impact fracture. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.0 cm x 2.5 cm x 0.8 cm and it weighs 6.9 g. The stem measures 1.5 cm x 2.4 cm and comprises 50% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is resharpened and most closely resembles the Hanna type, which is associated with the Late Archaic Period.

Artifact 1-51 is a bifacial knife. It is an expanding stem specimen with a missing tip, a straight blade, side notches, sloping shoulders and a concave base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.7 cm x 2.4 cm x 0.8 cm and it weighs 9.1 g. The stem measures 1.2 cm x 2.4 cm and comprises about 26% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. It has been exposed to heat, as evidenced by a large potlid fracture on one side. The tip probably has been broken by heat as well. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Hanna type, which is associated with the Late Archaic Period.



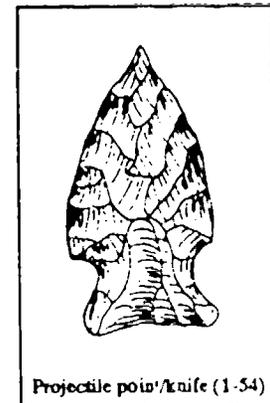


Hanna (1-52)

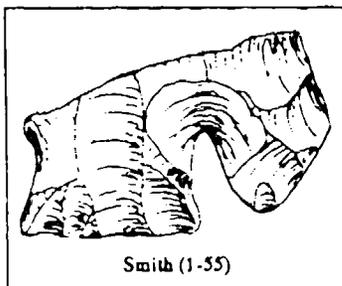
Artifact 1-52 is a dart point. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, sloping shoulders and a concave base. The tip has been carried away by an impact fracture. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.8 cm x 2.3 cm x 0.8 cm and it weighs 5.1 g. The stem measures 1.3 cm x 2.3 cm and comprises about 46% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is exhausted and most closely resembles the Hanna type, which is associated with the Late Archaic Period.

Artifact 1-53 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, sloping shoulders and a concave base. The cross section is plano-convex with no edge abrading and no beveling. Maximum dimensions are 2.8 cm x 2.8 cm x 0.7 cm and it weighs 7.1 g. The stem measures 1.2 cm x 2.6 cm and comprises about 43% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Hanna type, which is associated with the Late Archaic Period.

Artifact 1-54 is a projectile point/knife. It is an expanding stem specimen with a pointed tip, an excurvate blade, side notches, square shoulders and a concave base. The tip has been carried away by an impact fracture. The cross section is biconvex with edge abrading on the base and stem and no beveling. Maximum dimensions are 3.6 cm x 1.9 cm x 0.8 cm and it weighs 5.4 g. The stem measures 1.0 cm x 1.8 cm and comprises about 28% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This resharpened specimen is an unclassified type that may be associated with the Middle Woodland Period. It resembles a fairly rare type found by Dickson (1991:95) in Middle Woodland levels at the Albertson site, where it was used as dart point. The 23DA393 specimen has evidence of an impact fracture but it has been resharpened obliterating most of it.



Projectile point/knife (1-54)



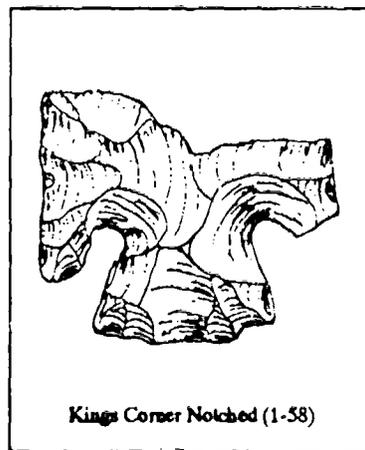
Smith (1-55)

Artifact 1-55 is a bifacial knife proximal. It is a parallel stem specimen with a missing tip and blade, basal notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.3 cm x 3.8 cm x 0.8 cm and it weighs 7.3 g. The stem measures 1.1 cm x 2.4 cm and comprises about 48% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is

found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Smith type, which is associated with the Late Archaic Period.

Artifact 1-56 is a bifacial knife proximal. It is a parallel stem corner removed specimen with a missing tip, a damaged blade, sloping shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.6 cm x 2.9 cm x 0.6 cm and it weighs 6.0 g. The stem measures 1.2 cm x 2.3 cm and comprises about 46% of the total length of the specimen. The raw material is Pierson chert, which is abundant in the Branson area and may be exposed in limited areas locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-58 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.1 cm x 4.0 cm x 0.8 cm and it weighs 9.2 g. The stem measures 1.5 cm x 2.3 cm and comprises about 48% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Kings Corner Notched type, which is associated with the Late Archaic Period.



Kings Corner Notched (1-58)

Artifact 1-59 is a bifacial knife. It is an expanding stem corner removed specimen with a missing tip, a damaged blade, damaged shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.7 cm x 2.8 cm x 0.7 cm and it weighs 7.8 g. The stem measures 1.2 cm x 0.0 cm and comprises about 32% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Late Archaic Kings Corner Notched type.



Table Rock  
Stemmed (1-60)

Artifact 1-60 is a projectile point/knife stem. It is a parallel stem corner removed specimen with a missing tip and blade, missing shoulders and a straight base. The tip has been carried away by an impact fracture. The cross section is biconvex with edge abrading on the base and stem and no beveling. Maximum dimensions are 3.1 cm x 1.5 cm x 0.7 cm and it weighs 4.6 g. The stem measures 1.1 cm x 1.5 cm and comprises about 35% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is resharpened and most closely resembles the Table Rock Stemmed type, which is associated with the Late Archaic Period.

Artifact 1-61 is a bifacial knife. It is an expanding stem specimen with a pointed tip, a straight blade, basal notches, barbed shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.0 cm x 2.4 cm x 0.4 cm and it weighs 2.9 g. The stem measures 0.8 cm x 1.2 cm and comprises about 27% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type, which may be associated with the Woodland Period. The stem is small enough for an arrow point, however the blade is wide and very thin and features some use polish.



Bifacial knife (1-61)



Bifacial knife (1-62)

Artifact 1-62 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, square shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.6 cm x 2.0 cm x 0.4 cm and it weighs 2.4 g. The stem measures 0.6 cm x 1.5 cm and comprises about 23% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type that may be associated with the Woodland Period. Similar bifaces were found at the Albertson site (3BE174; Dickson 1991:95) and classified as MW-2 bifaces. These very thin examples seem to have served as cutting tools, while the thicker examples served as dart points.

Artifact 1-63 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a straight base. The cross section is plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 2.4 cm x 2.0 cm x 0.7 cm and it weighs 3.7 g. The stem measures 0.9 cm x 1.6 cm and comprises about 38% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type, which may be associated with the Woodland Period. The shape similar to Kings Corner Notched, but it is not a good example of this type.

Artifact 1-64 is a projectile point/knife. It is an expanding stem specimen with a pointed tip, an incurvate blade, side notches, square shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.5 cm x 1.7 cm x 0.5 cm and it weighs 1.8 g. The stem measures 0.8 cm x 1.5 cm and comprises about 32% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is resharpened and is an

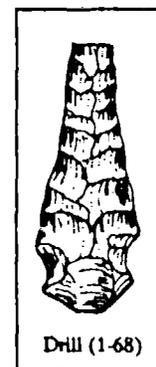
unclassified type, that may be associated with the Woodland Period. It is small enough to have functioned as an arrow point, but use polish on the margins indicate use as a cutting tool as well. It may be an early example of an arrow point, or a nearly exhausted small cutting tool.

Artifact 1-65 is a bifacial knife/scrapper. It is an expanding stem specimen with a rounded tip, a damaged blade, corner notches, barbed shoulders and a damaged base. The tip was broken and subsequently reworked to a round-pointed stub. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.3 cm x 2.7 cm x 0.6 cm and it weighs 3.5 g. The stem is 1.0 cm long and comprises about 43% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact and from scraping wet hide. This specimen is exhausted and most closely resembles the Kings Corner Notched type, which is associated with the Late Archaic Period.

Artifact 1-66 is a bifacial knife proximal. It is a parallel stem specimen with a missing tip, a damaged blade, basal notches, barbed shoulders and a straight base. It is heat damaged and part of the stem and one edge are gone. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.6 cm x 3.2 cm x 0.9 cm and it weighs 10.3 g. The stem is 1.1 cm long and comprises about 24% of the total length of the specimen. The raw material is heat-treated Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-67 is a projectile point/knife. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a straight base. The tip has been carried away by an impact fracture. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.4 cm x 3.0 cm x 0.5 cm and it weighs 5.9 g. The stem measures 1.0 cm x 2.4 cm and comprises about 29% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-68 is a bifacial drill proximal. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, sloping shoulders and a convex base. The cross section is diamond-shaped with no edge abrading and no beveling. Maximum dimensions are 3.5 cm x 1.3 cm x 0.5 cm and it weighs 2.6 g. The stem measures 0.8 cm x 1.2 cm and comprises about 23% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from perforating. This specimen is an unclassified type not associated with a specific cultural period.





Artifact 1-69 is a bifacial drill proximal. It is an unstemmed specimen with a missing tip, a damaged blade, no notches, no shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.8 cm x 2.8 cm x 0.6 cm and it weighs 4.4 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from perforating. This specimen is an unclassified type not associated with a specific cultural period.

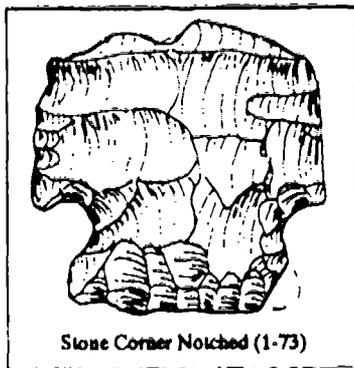
Artifact 1-70 is a bifacial drill midsection. It has a missing tip, a damaged blade, no shoulders and a missing stem and base. The cross section is biconvex with edge abrading on the blade but no beveling. Maximum dimensions are 3.6 cm x 2.2 cm x 0.6 cm and it weighs 5.3 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from perforating. The edges are well-ground and a narrow point is flaked on the tip (most of which is now missing). This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-71 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.2 cm x 3.2 cm x 0.6 cm and it weighs 6.9 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Kings Corner Notched type, which is associated with the Late Archaic Period.

Artifact 1-72 is a dart point. It is an expanding stem corner removed specimen with a missing tip, a damaged blade, sloping shoulders and a straight base. The tip has been carried away by an impact fracture. The cross section is biconvex with edge abrading on the base and stem but no beveling. Maximum dimensions are 4.1 cm x 3.0 cm x 0.6 cm and it weighs 8.9 g. The stem measures 1.0 cm x 2.5 cm and comprises about 24% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is a variant of the Stone Corner Notched type, which is associated with the Late Archaic Period.



Artifact 1-73 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a damaged base. The cross section is biconvex with edge abrading on the base and no beveling. Maximum dimensions are 3.5 cm x 3.9 cm x 1.0 cm and it weighs 16.0 g. The stem measures 1.3 cm x 2.8 cm and comprises about 37% of the total length of the specimen. The raw material



Stone Corner Notched (1-73)

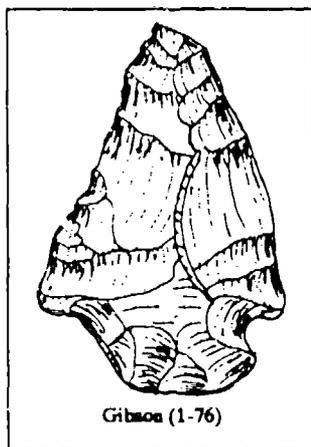
is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.

Artifact 1-74 is a bifacial knife. It is an expanding stem specimen with a rounded tip, an excurve blade, side notches, damaged shoulders and a damaged base. The cross section is plano-convex with no edge abrading and no beveling. Maximum dimensions are 5.0 cm x 3.0 cm x 0.7 cm and it weighs 10.8 g. The stem is 1.3 cm long and comprises about 26% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Steuben type, which is associated with the Woodland Period.



Steuben (1-74)

Artifact 1-75 is a bifacial spokeshave proximal. It is an unstemmed specimen with a missing tip, a damaged blade, no notches, no shoulders and a convex base. The cross section is biconvex with no edge abrading and unifacial beveling. Maximum dimensions are 3.3 cm x 4.3 cm x 0.8 cm and it weighs 12.8 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from scraping wood. This specimen is an unclassified type not associated with a specific cultural period.



Gibson (1-76)

Artifact 1-76 is a bifacial knife. It is an expanding stem specimen with a pointed tip, an asymmetrical blade, side notches, square shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.8 cm x 3.3 cm x 0.7 cm and it weighs 8.8 g. The stem measures 1.0 cm long and comprises about 21% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is a variant of the Gibson type, which is associated with the Woodland Period.

Artifact 1-78 is a bifacial knife. It is an expanding stem specimen with a rounded tip, an excurve blade, corner notches, barbed shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.6 cm x 3.4 cm x 0.7 cm and it weighs 11.1 g. The stem measures 1.5 cm x 0.0 cm and comprises about 33% of the total length of the specimen. The raw material is Burlington

chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is a variant of the Jakie type, which is associated with the Middle Archaic Period.



Artifact 1-79 is a bifacial knife. It is an unstemmed specimen with a missing tip, a damaged blade, no notches, no shoulders and a straight base. The cross section is plano-convex with no edge abrading and no beveling. Maximum dimensions are 4.1 cm x 2.9 cm x 0.9 cm and it weighs 13.2 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting and scraping a gritty substance such as soft stone or pottery. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-80 is a dart point stem. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a damaged base. The tip has been carried away by an impact fracture. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.8 cm x 2.6 cm x 1.0 cm and it weighs 16.2 g. The stem measures 1.2 cm x 0.0 cm and comprises 25% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.

Artifact 1-81 is a flake knife. Maximum dimensions are 5.9 cm x 2.1 cm x 0.7 cm and it weighs 2.7 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from battering. This specimen is not associated with a cultural period.

Artifact 1-83 is a bifacial knife. It is an unstemmed specimen with a rounded tip, an excurvate blade, no notches, no shoulders and a missing base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.0 cm x 2.5 cm x 0.4 cm and it weighs 3.5 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-84 is a dart point stem. It is a parallel stem corner removed specimen with a missing tip and blade, missing shoulders and a missing base. The tip has been carried away by an impact fracture. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.5 cm x 2.5 cm x 0.6 cm and it weighs 6.4 g. The stem measures 1.4 cm x 2.4 cm and comprises about 40% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally.

Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type not associated with a cultural period.

Artifact 1-85 is a bifacial knife/scrapper. It is an expanding stem corner removed specimen with a rounded tip, an excurvate blade, damaged shoulders and a convex base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 3.2 cm x 3.1 cm x 0.8 cm and it weighs 8.3 g. The stem measures 1.3 cm x 3.1 cm and comprises about 41% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact and from scraping wet hide. This specimen is exhausted and most closely resembles the Big Creek type, which is associated with the Late Archaic Period.

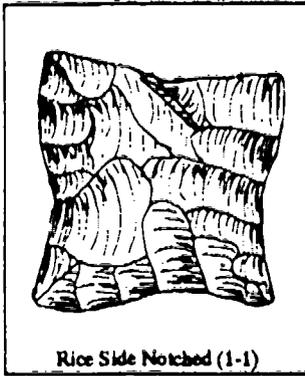
Artifact 1-86 is a biface stem. It is a parallel stem corner removed specimen with a missing tip and blade, missing shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.9 cm x 2.4 cm x 0.6 cm and it weighs 5.2 g. The stem measures 1.1 cm x 2.2 cm and comprises about 58% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Big Creek type, which is associated with the Late Archaic Period.

Artifact 1-88 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, sloping shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.8 cm x 2.8 cm x 0.8 cm and it weighs 9.3 g. The stem is 1.2 cm long and comprises about 43% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen most closely resembles the Steuben type, which is associated with the Woodland Period.

### **23DA395**

23DA395 is a prehistoric habitation exhibiting evidence of Late Archaic and Late Woodland Period occupations. It was recorded by Howard Wimmer in 1988 when he collected 9 artifacts weighing 174.4 g. These included 2 stemmed biface fragments (17.9 g), 1 grog-tempered plain body sherd (62.8 g), 1 bifacial knife (7.3 g), 4 preform fragments (79.1 g) and 1 projectile point/knife (7.3 g).

Artifact 1-1 is a stemmed biface proximal. It is an expanding stem specimen with a missing tip and blade, side notches, sloping shoulders and a concave base. The cross section is biconvex with edge abrading on the base and stem but no beveling. Maximum dimensions are 3.3 cm x 3.3 cm x 0.7 cm and it weighs 9.2 g. The stem measures 1.8 cm x 3.2 cm and comprises about 55% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence

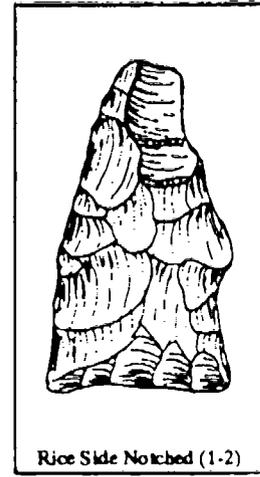


Rice Side Notched (1-1)

of use-wear. This specimen most closely resembles the Rice Side Notched type, which is associated with the Woodland Period.

Artifact 1-2 is a projectile point/knife. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, sloping shoulders and a concave base. The tip has been carried away by an impact fracture. The cross

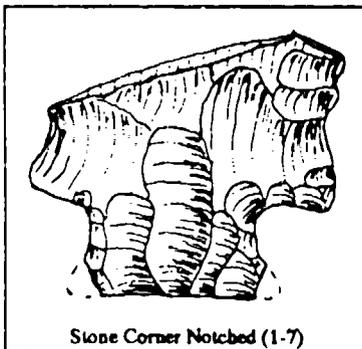
section is biconvex with edge abrading on the base and stem but no beveling. Maximum dimensions are 4.3 cm x 2.5 cm x 0.7 cm and it weighs 7.3 g. The stem measures 1.7 cm x 2.4 cm and comprises about 40% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is exhausted and most closely resembles the Rice Side Notched type, which is associated with the Woodland Period. It was probably used as cutting tool until resharpening reduced the size and then it was used as dart point.



Rice Side Notched (1-2)

Artifact 1-4 is a preform base. It is an unstemmed specimen with a missing tip and blade, no notches, no shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.0 cm x 3.8 cm x 1.1 cm and it weighs 11.2 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen may be a preform for the Rice Side Notched type, which is associated with the Woodland Period.

Artifact 1-5 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, missing shoulders and a damaged base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 3.3 cm x 2.5 cm x 0.7 cm and it weighs 7.3 g. The stem is 1.5 cm long and comprises about 45% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is exhausted and most closely resembles the Rice Side Notched type, which is associated with the Woodland Period.



Stone Corner Notched (1-7)

Artifact 1-7 is a stemmed biface proximal. It is an expanding stem specimen with a missing tip and blade, corner notches, square shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.6 cm x 4.0 cm x 0.6 cm and it weighs 8.7 g. The stem is 1.2 cm long and comprises 33% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no

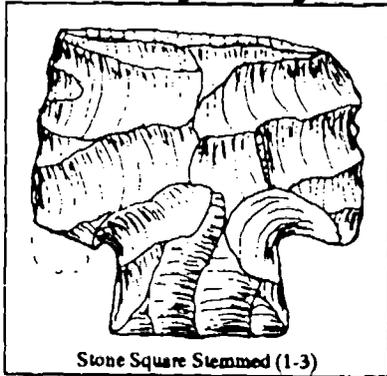
evidence of use-wear. This specimen most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.

### 23DA396

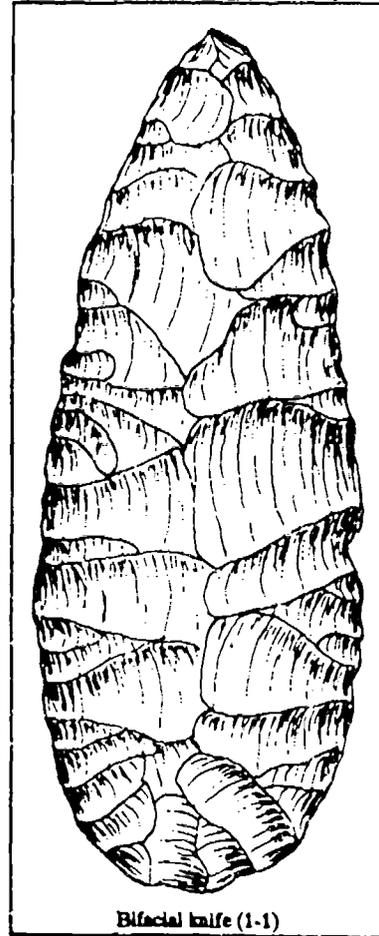
23DA396 is a prehistoric habitation exhibiting evidence of Late Archaic and Woodland Period occupations. It was recorded by Howard Wimmer in 1988 when he collected 12 artifacts weighing 171.3 g. These included 1 stemmed biface fragment (3.3 g), 2 bifacial knife fragments (13.9 g), 2 bifacial knives (69.6 g), 6 preform fragments (10.0 g) and 1 bifacial side scraper (74.5 g).

Artifact 1-1 is a bifacial knife. It is an unstemmed specimen with a rounded tip, an excurvate blade, no notches, no shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 11.3 cm x 4.2 cm x 1.1 cm and it weighs 55.0 g. The raw material is Keokuk chert, which is abundant further south but may be available locally in highly restricted areas. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-3 is a bifacial knife. It is a parallel stem corner removed specimen with a missing tip, a damaged blade, barbed shoulders and a straight base. The cross section is biconvex with edge abrading on the stem but no beveling. Maximum dimensions are 3.9 cm x 4.4 cm x 0.7 cm and it weighs 14.6 g. The stem measures 1.3 cm x 2.4 cm and comprises 33% of the total length of the specimen. The raw material is an unidentified chert. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Stone Square Stemmed type, which is associated with the Late Archaic Period.



Stone Square Stemmed (1-3)



Bifacial knife (1-1)

Artifact 1-4 is a bifacial side scraper. It is an unstemmed specimen with a rounded tip, an excurvate blade, no notches, no shoulders and a convex base. The cross section is plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 7.3 cm x 5.5 cm x 1.8 cm and it weighs 74.5 g. The raw material is Burlington chert, which is

found locally. Microscopic examination revealed wear resulting from scraping wet hide. This specimen is an unclassified type, which may be associated with the Woodland Period.

Artifact 1-5 is a bifacial knife distal. It has a pointed tip, an excurvate blade and is missing the entire proximal portion. The cross section is plano-convex with no edge abrading and no beveling. Maximum dimensions are 4.4 cm x 3.6 cm x 0.7 cm and it weighs 9.5 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-7 is a biface fragment. It is an expanding stem corner removed specimen with a missing tip and blade, missing shoulders and a concave base. The cross section is biconvex with edge abrading on the base and stem and no beveling. Maximum dimensions are 1.4 cm x 2.5 cm x 0.8 cm and it weighs 3.3 g. The stem measures 1.4 cm x 2.5 cm and comprises 100% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Hanna type, which is associated with the Late Archaic Period.

Artifact 1-8 is a biface stem. It has a missing tip, a damaged blade, no notches, no shoulders and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.1 cm x 2.6 cm x 0.5 cm and it weighs 4.4 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

### 23DA397

23DA397 is a prehistoric habitation exhibiting evidence of Middle to Terminal Archaic and Woodland Period occupations. It was recorded by Howard Wimmer in 1988 when he collected 39 artifacts weighing 598.1 g. These included 2 stemmed bifaces fragment (8.7 g), 1 blank fragment (121.8 g), 2 dart point fragments (10.4 g), 1 dart point (13.8 g), 1 bifacial drill fragment (1.3 g), 11 bifacial knife fragments (87.6 g), 3 bifacial knives (29.3 g), 15 preform fragments (240.5 g), 1 preform (62.5 g), 1 projectile point/knife (13.8 g) and 1 bifacial end scraper fragment (8.4 g).

Artifacts cataloged as 1-3 include four bifacial knife midsections. All have missing tips, damaged blades, no notches, no shoulders and missing stems and bases. None exhibit edge abrading or beveling. Raw materials include heat-treated Pierson and heat-treated Burlington chert, both of which are probably found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

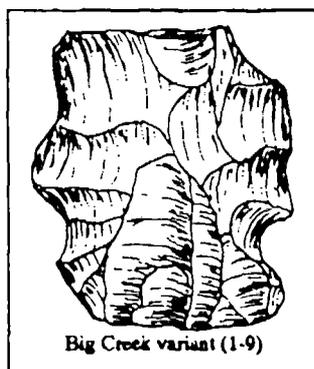
Artifacts cataloged as 1-4 include five bifacial knife midsections. All have missing tips, damaged blades, no notches, no shoulders and missing stems and bases. None exhibit

edge abrading or beveling. The raw material is Burlington chert (both heat-treated and untreated), which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. These are of an unclassified type not associated with a specific cultural period.

Artifact 1-5 is a bifacial end scraper base. It is an unstemmed specimen with a missing tip and blade, no notches, no shoulders and a convex base. The cross section is plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 2.8 cm x 3.2 cm x 0.7 cm and it weighs 8.4 g. The raw material is heat-treated Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from scraping wet hide. This specimen is an unclassified type not associated with a specific cultural period. The convex base of a thin late stage preform was unifacially beveled and used as a scraper.

Artifact 1-6 is a bifacial drill midsection. It has a missing tip, a damaged blade, no shoulders and a missing stem and base. The cross section is diamond-shaped with no edge abrading and no beveling. Maximum dimensions are 2.0 cm x 1.0 cm x 0.6 cm and it weighs 1.3 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from perforating. This specimen is an unclassified type not associated with a specific cultural period.

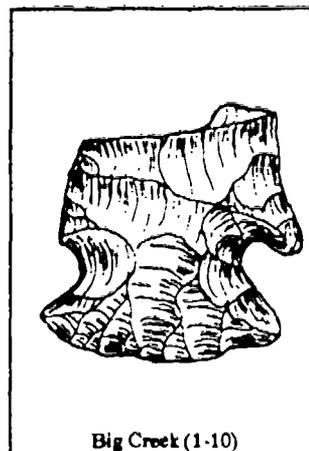
Artifact 1-8 is a projectile point/knife. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a concave base. The tip has been carried away by an impact fracture. The cross section is biconvex with edge abrading on the base and stem and no beveling. Maximum dimensions are 4.5 cm x 4.0 cm x 0.7 cm and it weighs 13.8 g. The stem measures 1.3 cm x 2.6 cm and comprises about 29% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is a variant of the Jakie type, which is associated with the Middle Archaic Period.



Artifact 1-9 is a dart point. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, square shoulders and a damaged base. The tip has been carried away by an impact fracture. The cross section is biconvex with edge abrading on the base and no beveling. Maximum dimensions are 3.8 cm x 3.4 cm x 0.9 cm and it weighs 13.8 g. The stem measures 1.2 cm x 3.1 cm and comprises about 32% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic

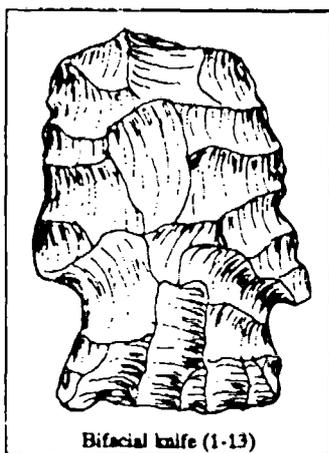
examination revealed no evidence of use-wear. This specimen is resharpened and is a variant of the Big Creek type, which is associated with the Late Archaic Period.

Artifact 1-10 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 3.2 cm x 3.2 cm x 0.9 cm and it weighs 10.0 g. The stem measures 1.4 cm x 3.2 cm and comprises about 44% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Big Creek type, which is associated with the Late Archaic Period.



Artifact 1-11 is a bifacial knife proximal. It is an expanding stem corner removed specimen with a missing tip, a damaged blade, square shoulders and a damaged base. The cross section is biconvex with edge abrading on the base but no beveling. Maximum dimensions are 3.8 cm x 3.1 cm x 0.9 cm and it weighs 11.2 g. The stem is 1.5 cm long and comprises about 39% of the total length of the specimen. The raw material is heat-treated Pierson chert, which is abundant in the Branson area and may be exposed in limited areas locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Big Creek type, which is associated with the Late Archaic Period. Probably it was broken during notching. There is bright polish on the specimen as if it was stream tumbled some.

Artifact 1-12 is a stemmed biface proximal. It is an expanding stem corner removed specimen with a missing tip and blade, square shoulders and a convex base. The cross section is biconvex with edge abrading on the base and stem and no beveling. Maximum dimensions are 2.2 cm x 3.3 cm x 0.7 cm and it weighs 7.2 g. The stem measures 1.5 cm x 3.3 cm and comprises about 68% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic



examination revealed no evidence of use-wear. This specimen most closely resembles the Big Creek type, which is associated with the Late Archaic Period.

Artifact 1-13 is a bifacial knife. It is an expanding stem corner removed specimen with a missing tip, a damaged blade, square shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.9 cm x 3.5 cm x 0.5 cm and it weighs 11.3 g. The stem measures 1.4 cm x 2.8 cm and comprises about 29% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic

examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and is an unclassified type that may be associated with the Late Archaic Period.

Artifact 1-14 is a bifacial knife. It is a contracting stem corner removed specimen with a pointed tip, an excurvate blade, sloping shoulders and a straight base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 3.8 cm x 3.1 cm x 0.8 cm and it weighs 8.0 g. The stem measures 1.5 cm x 2.1 cm and comprises about 39% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is exhausted and most closely resembles the Standlee type, which is associated with the Woodland Period.

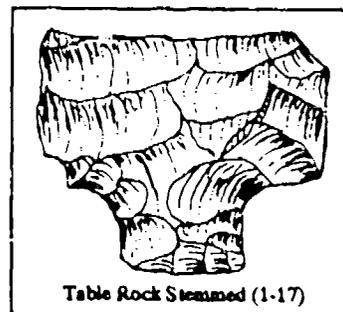


Artifact 1-15 is a dart point stem. It is an expanding stem corner removed specimen with a missing tip, a damaged blade, missing shoulders and a concave base. The tip has been carried away by an impact fracture. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.9 cm x 1.9 cm x 0.7 cm and it weighs 4.9 g. The stem measures 1.2 cm x 2.0 cm and comprises about 41% of the total length of the specimen. The raw material is an unidentified heat-treated chert. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Hanna type, which is associated with the Late Archaic Period.



Artifact 1-16 is a dart point stem. It is an expanding stem corner removed specimen with a missing tip, a damaged blade, missing shoulders and a damaged base. The tip has been carried away by an impact fracture. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.9 cm x 2.5 cm x 0.6 cm and it weighs 5.5 g. The stem is 1.2 cm long and comprises about 41% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Hanna variant type, which is associated with the Late Archaic Period.

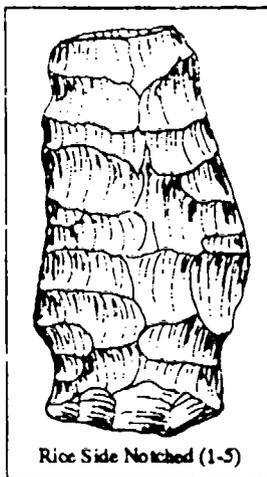
Artifact 1-17 is a bifacial knife proximal. It is a parallel stem corner removed specimen with a missing tip, a damaged blade, square shoulders and a straight base. The cross section is biconvex with edge abrading on the base and stem and no beveling. Maximum dimensions are 3.1 cm x 3.8 cm x 0.6 cm and it weighs 9.1 g. The stem measures 1.0 cm x 1.7 cm and comprises about 32% of the total length of



the specimen. The raw material is Pierson chert, which is abundant in the Branson area and may be exposed in limited areas locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is a variant of the Table Kock Stemmed type, which is associated with the Late Archaic Period. This specimen has an unusually short stem, but otherwise is typical of the type.

### 23DA398

23DA398 is a prehistoric habitation exhibiting evidence of Middle to Late Woodland and Historic Period occupations. It was recorded by Howard Wimmer in 1988 when he collected 8 artifacts weighing 139.3 g. These included 1 biface fragment (4.0 g), 1 stemmed biface fragment (9.8 g), 2 bifacial knives (21.3 g) and 4 preform fragments (104.2 g).



Artifact 1-5 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, missing shoulders and a convex base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 5.3 cm x 2.8 cm x 0.8 cm and it weighs 14.8 g. The stem measures 1.7 cm x 2.3 cm and comprises about 21% of the total length of the specimen. The raw material is Pierson chert, which is abundant in the Branson area and may be exposed in limited areas locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Rice Side Notched type, which is associated with the Woodland Period.

Artifact 1-6 is a bifacial knife. It is an expanding stem corner removed specimen with a missing tip, a damaged blade, sloping shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.3 cm x 2.2 cm x 0.8 cm and it weighs 6.5 g. The stem measures 1.1 cm x 1.6 cm and comprises about 33% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and is a variant of the Steuben type, which is associated with the Woodland Period.



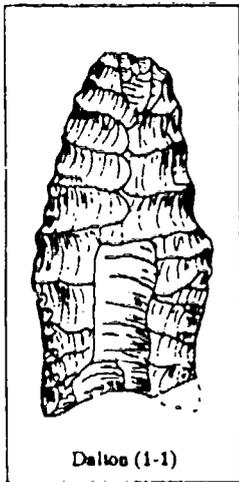
### 23DA399

23DA399 is a prehistoric site of unknown cultural affiliation. It was recorded by Howard Wimmer in 1988 when he collected 2 bifacial knife fragments (12.5 g). Both have missing tips, damaged blades, no notches, no shoulders and missing stems and bases. Neither exhibits edge abrading or beveling. The raw material is Burlington chert (both

heat-treated and untreated), which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. These tools are unclassified as to type and are not associated with a specific cultural period.

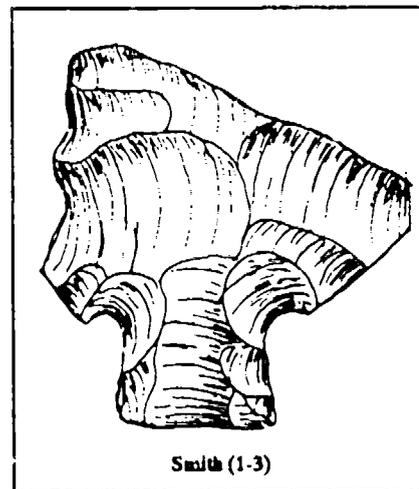
## 23DA400

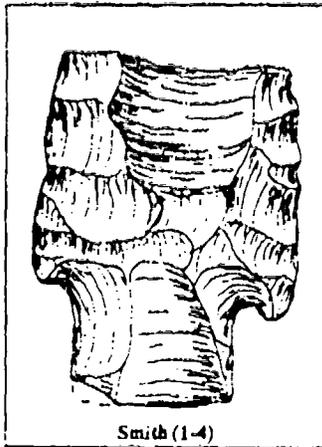
23DA400 is a prehistoric habitation exhibiting evidence of Early and Late Archaic and Woodland Period occupations. It was recorded by Howard Wimmer in 1988 when he collected 23 artifacts weighing 375.4 g. These included 1 arrow point (1.2 g), 1 biface fragment (2.7 g), 1 biface (0.0 g), 2 stemmed biface fragments (15.2 g), 1 blank (108.5 g), 2 bifacial knife fragments (30.2 g), 2 bifacial knives (16.7 g), 1 knife/scrapper (7.6 g), 9 preform fragments (137.9 g), 2 projectile point/knives (23.4 g) and 1 flake scraper (31.8 g).



Artifact 1-1 is a bifacial knife/scrapper. It is a parallel stem specimen with a rounded tip, an excurvate blade, no notches, no shoulders and a damaged base. The cross section is biconvex with edge abrading on the base and stem but no beveling. Maximum dimensions are 4.8 cm x 2.4 cm x 0.6 cm and it weighs 7.6 g. The stem measures 1.8 cm x 2.1 cm and comprises about 38% of the total length of the specimen. The raw material is Reeds Spring chert, which is found in southwest Missouri and northwest Arkansas into northeast Oklahoma and extreme southeast Kansas. Microscopic examination revealed wear resulting from cutting meat with bone contact and from scraping wet hide. This specimen is resharpened and most closely resembles the Dalton type, which is associated with the Early Archaic Period.

Artifact 1-3 is a bifacial knife proximal. It is a parallel stem specimen with a missing tip, a damaged blade, basal notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 5.1 cm x 7 cm x 1.1 cm and it weighs 24.6 g. The stem measures 1.5 cm x 2.2 cm and comprises about 29% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Smith type, which is associated with the Late Archaic Period. One barb (now broken) was massive while the other one (damaged) was smaller. The stem is rather small for a Smith point with its massive blade; however this was probably due to the difficulty of flaking the Jefferson City chert. Very little of original blade is left intact on one side, but this shows use polish.





Artifact 1-4 is a projectile point/knife. It is a parallel stem specimen with a missing tip, a damaged blade, basal notches, barbed shoulders and a straight base. The tip has been carried away by an impact fracture. The cross section is biconvex with edge abrading on the base and no beveling. Maximum dimensions are 4.6 cm x 3.5 cm x 0.9 cm and it weighs 17.2 g. The stem measures 1.4 cm x 2.3 cm and comprises about 30% of the total length of the specimen. The raw material is Reeds Spring chert, which is found in southwest Missouri and northwest Arkansas into northeast Oklahoma and extreme southeast Kansas. Microscopic examination revealed wear resulting from cutting meat without

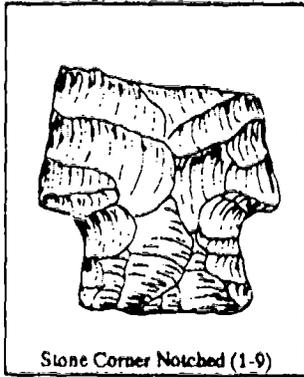
bone contact. This specimen is resharpened and most closely resembles the Smith type, which is associated with the Late Archaic Period. Impact fractures are unusual on Smith bifaces, since they were mostly used as cutting tools. This one was used as a dart point after much resharpening reduced its size.

Artifact 1-6 is a flake scraper. Maximum dimensions are 5.8 cm x 4.6 cm x 1.2 cm and it weighs 31.8 g. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from scraping wet hide. This specimen is not associated with a cultural period.

Artifact 1-7 is a biface stem. It is a parallel stem specimen with a missing tip and blade, basal notches, missing shoulders and a straight base. The cross section is biconvex with edge abrading on the stem but no beveling. Maximum dimensions are 2.9 cm x 3.4 cm x 1.1 cm and it weighs 10.3 g. The stem measures 1.4 cm x 2.4 cm and comprises about 48% of the total length of the specimen. The raw material is an unidentified chert. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Smith type, which is associated with the Late Archaic Period.

Artifact 1-8 is a projectile point/knife. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a straight base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 3.5 cm x 2.8 cm x 0.6 cm and it weighs 6.2 g. The stem measures 1.3 cm x 2.2 cm and comprises about 37% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Kings Corner Notched type, which is associated with the Late Archaic Period.





Stone Corner Notched (1-9)

Artifact 1-9 is a bifacial knife. It is an expanding stem corner removed specimen with a missing tip, a damaged blade, square shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.1 cm x 3.2 cm x 0.9 cm and it weighs 9.6 g. The stem measures 1.3 cm x 2.4 cm and comprises about 42% of the total length of the specimen. The raw material is Pierson chert, which is abundant in the Branson area and may be exposed in limited areas locally. Microscopic examination revealed wear resulting from cutting meat without bone contact.

This specimen most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.

Artifact 1-10 is a stemmed biface proximal. It is a parallel stem corner removed specimen with a missing tip and blade, square shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.7 cm x 3.1 cm x 0.6 cm and it weighs 4.9 g. The stem measures 1.1 cm x 1.5 cm and comprises about 41% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is a variant of the Table Rock Stemmed type, which is associated with the Late Archaic Period.

Artifact 1-11 is a bifacial knife. It is a contracting stem corner removed specimen with a pointed tip, a straight blade, sloping shoulders and a damaged base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 4.5 cm x 2.6 cm x 0.8 cm and it weighs 7.1 g. The stem measures 2.6 cm x 1.6 cm and comprises about 58% of the total length of the specimen. The raw material is unidentified chert. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is resharpened and most closely resembles the Langtry type, which is associated with the Late Archaic through Woodland periods.



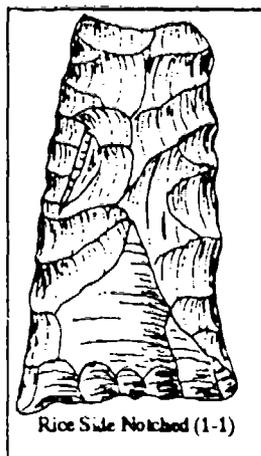
Langtry (1-11)

Artifact 1-13 is an arrow point. It is an expanding stem specimen with a pointed tip, an excurvate blade, side notches, sloping shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.7 cm x 1.3 cm x 0.6 cm and it weighs 1.2 g. The stem measures 0.5 cm x 1.1 cm and comprises about 29% of the total length of the specimen. The raw material is Reeds Spring chert, which is found in southwest Missouri and northwest Arkansas into northeast Oklahoma and extreme southeast Kansas. Microscopic examination revealed no evidence of use-wear. This specimen is exhausted and is an unclassified type not associated with a specific cultural period. This small short biface has been resharpened to a stub. It may have served as an arrow point, but is rather thick for this category of tool.

Artifact 1-14 is a bifacial knife midsection. It has a missing tip, a damaged blade, no notches, missing shoulders and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.5 cm x 2.7 cm x 0.6 cm and it weighs 5.6 g. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

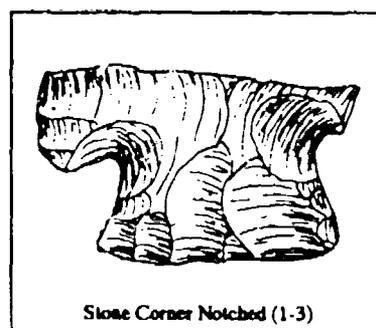
### 23DA401

23DA401 is a prehistoric habitation exhibiting evidence of Late Archaic and Middle to Late Woodland Period occupations. It was recorded by Howard Wimmer in 1988 when he collected 58 artifacts weighing 925.5 g. These included 7 biface fragments (31.7 g), 2 stemmed biface fragments (22.8 g), 1 stemmed biface (6.1 g), 3 blanks (237.4 g), 1 dart point fragment (10.7 g), 1 dart point (13.7 g), 10 bifacial knife fragments (92.6 g), 5 bifacial knives (58.9 g), 25 preform fragments (402.0 g), 1 preform (20.0 g) and 2 projectile point/knives (29.6 g).



Artifact 1-1 is a bifacial knife. It is an unstemmed specimen with a missing tip, a damaged blade, no notches, no shoulders and a concave base. The cross section is irregular with edge abrading on the stem but no beveling. Maximum dimensions are 5.2 cm x 2.3 cm x 0.8 cm and it weighs 4.1 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Rice Side Notched type, which is associated with the Woodland Period. This specimen has all of the slight shoulders removed by resharpening. The side notches are really more constrictions than a true notches.

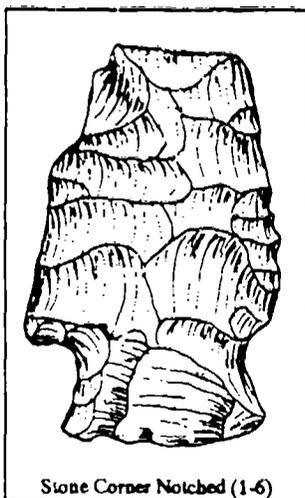
Artifact 1-3 is a stemmed biface proximal. It is an expanding stem specimen with a missing tip and blade, corner notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.4 cm x 4.3 cm x 0.8 cm and it weighs 10.0 g. The stem measures 1.5 cm x 3.1 cm and comprises about 63% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.



Artifact 1-4 is a bifacial knife proximal. It is an expanding stem corner removed specimen with a missing tip, a damaged blade, sloping shoulders and a straight base. The cross section is biconvex with edge abrading on the stem but no beveling. Maximum

dimensions are 3.3 cm x 3.1 cm x 0.8 cm and it weighs 9.8 g. The stem measures 1.3 cm x 2.2 cm and comprises about 39% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.

Artifact 1-5 is a bifacial knife. It is an expanding stem corner removed specimen with a missing tip, a damaged blade, square shoulder, and a straight base. The cross section is plano-convex with no edge abrading and no beveling. Maximum dimensions are 3.7 cm x 3.7 cm x 1.1 cm and it weighs 17.4 g. The stem measures 1.6 cm x 2.8 cm and comprises about 43% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is resharpened and most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.



Artifact 1-6 is a projectile point/knife. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, square shoulders and a convex base. The tip has been carried away by an impact fracture. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 5.2 cm x 3.3 cm x 0.9 cm and it weighs 16.1 g. The stem measures 1.2 cm x 2.7 cm and comprises about 23% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.

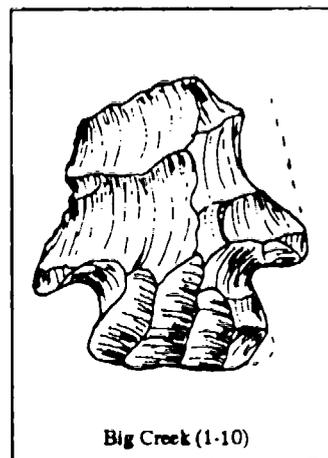
Artifact 1-7 is a bifacial knife proximal. It is an expanding stem corner removed specimen with a missing tip, a damaged blade, square shoulders and a straight base. The cross section is biconvex with edge abrading on the base and stem and no beveling. Maximum dimensions are 3.4 cm x 3.4 cm x 0.8 cm and it weighs 10.5 g. The stem measures 1.6 cm x 2.8 cm and comprises about 5% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.

Artifact 1-8 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.9 cm x 4.0 cm x 0.9 cm and it weighs 16.2 g. The stem is 1.2 cm long and

comprises about 31% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.

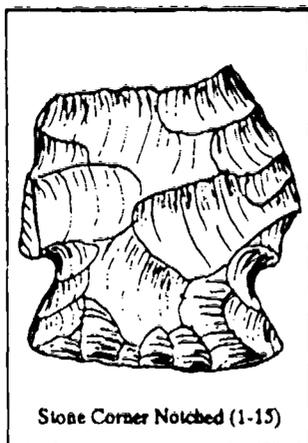
Artifact 1-9 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.3 cm x 2.5 cm x 0.7 cm and it weighs 6.5 g. The stem is 1.3 cm long and comprises about 39% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period. This fragment consists of half of the stem, one notch, one shoulder and 2.0 cm of one blade margin.

Artifact 1-10 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a convex base. The cross section is plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 3.8 cm x 3.6 cm x 0.7 cm and it weighs 8.0 g. The stem measures 1.3 cm x 2.3 cm and comprises about 34% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Big Creek type, which is associated with the Late Archaic Period.



Artifact 1-11 is a stemmed biface proximal. It is an expanding stem specimen with a missing tip and blade, corner notches, barbed shoulders and a damaged base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 2.9 cm x 5.0 cm x 0.8 cm and it weighs 12.8 g. The stem measures 1.4 cm x 0.0 cm and comprises about 48% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Grand type, which is associated with the Woodland Period.

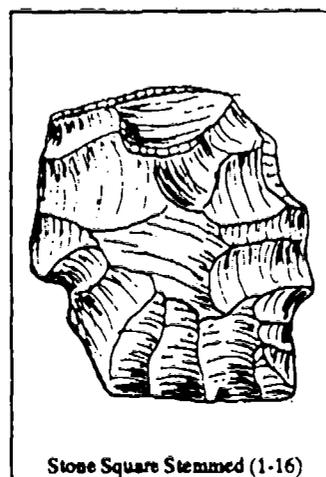
Artifacts cataloged as 1-12 include four bifacial knife midsections. All have missing tips, damaged blades, no notches, no shoulders and missing stems and bases. None exhibit evidence of edge abrading or beveling. The raw material is Burlington chert (both heat-treated and untreated), which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. These are of an unclassified type not associated with a specific cultural period.



Stone Corner Notched (1-15)

Artifact 1-15 is a dart point. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, missing shoulders and a straight base. The tip has been carried away by an impact fracture. The cross section is biconvex with edge abrading on the base and no beveling. Maximum dimensions are 3.7 cm x 3.3 cm x 0.8 cm and it weighs 13.7 g. The stem measures 1.2 cm x 3.2 cm and comprises about 32% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.

Artifact 1-16 is a projectile point/knife. It is a parallel stem corner removed specimen with a missing tip, a damaged blade, square shoulders and a damaged base. The tip has been carried away by an impact fracture. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 4.1 cm x 3.6 cm x 0.8 cm and it weighs 13.5 g. The stem measures 1.2 cm x 3.1 cm and comprises about 29% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Stone Square Stemmed type, which is associated with the Late Archaic Period.



Stone Square Stemmed (1-16)

Artifact 1-17 is a dart point proximal. It is an expanding stem corner removed specimen with a missing tip, a damaged blade, missing shoulders and a convex base. The tip has been carried away by an impact fracture. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 3.9 cm x 3.0 cm x 0.7 cm and it weighs 10.7 g. The stem measures 1.3 cm x 2.7 cm and comprises about 33% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is exhausted and most closely resembles the Big Creek type, which is associated with the Late Archaic Period.

Artifact 1-18 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, square shoulders and a damaged base. The cross section is biconvex with edge abrading on the stem but no beveling. Maximum dimensions are 4.5 cm x 2.6 cm x 0.9 cm and it weighs 11.6 g. The stem is 1.4 cm long and comprises about 31% of the total length of the specimen. The raw material is an unidentified chert. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type, which may be associated with the Late Archaic Period.

Artifact 1-19 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a straight base. The cross section is biconvex with edge abrading on the base and stem but no beveling. Maximum dimensions are 3.0 cm x 3.8 cm x 0.7 cm and it weighs 6.8 g. The stem measures 1.0 cm x 3.1 cm and comprises 33% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type that may be associated with the Late Archaic Period.



Artifact 1-20 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, square shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.4 cm x 3.0 cm x 0.8 cm and it weighs 8.3 g. The stem measures 1.0 cm x 2.6 cm and comprises about 29% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is resharpened and is an unclassified type that may be associated with the Late Archaic Period.

Artifact 1-23 is a bifacial knife. It is an unstemmed specimen with a rounded tip, an excurvate blade, no notches, no shoulders and a damaged base. The cross section is plano-convex with edge abrading on the blade and no beveling. Maximum dimensions are 5.6 cm x 3.6 cm x 1.0 cm and it weighs 22.3 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period. It was aborted due to a flaw in the chert and then used as cutting tool.

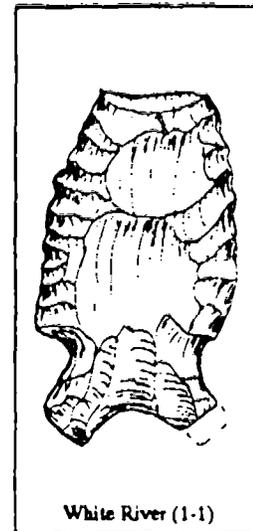
#### 23DA402

23DA402 is a lithic scatter exhibiting evidence of a Middle to Late Archaic Period occupation. It was recorded by Howard Wimmer in 1989 when he collected 8 artifacts weighing 75.7 g. These included 2 unstemmed biface fragments (8.4 g), 1 bifacial knife fragment (12.5 g), 1 bifacial knife (11.0 g) and 3 preform fragments (37.7 g).

Artifact 1-1 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, sloping shoulders and a concave base. The cross section is biconvex with edge abrading in the notches but no beveling. Maximum dimensions are 4.6 cm x 2.5 cm x 0.7 cm and it weighs 11.0 g. The stem measures 1.5 cm x 2.3 cm and comprises about 33% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting

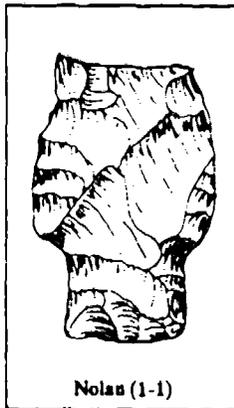
from cutting meat without bone contact. This specimen is resharpened and most closely resembles the White River type, which is associated with the Middle Archaic Period.

Artifact 1-3 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, missing shoulders and a damaged base. The cross section is biconvex with edge abrading on the base and no beveling. Maximum dimensions are 3.6 cm x 2.9 cm x 1.0 cm and it weighs 12.5 g. The stem is 1.4 cm long and comprises about 39% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.



### 23DA403

23DA403 is a lithic scatter exhibiting evidence of a Middle to Late Archaic occupation. It was recorded by Howard Wimmer in 1989 when he collected 8 artifacts weighing 75.7 g. These included 2 biface fragments (37.5 g), 3 bifacial knife fragments (11.8 g), 2 bifacial knife (17.9 g) and 1 projectile point/knife (8.5 g).



Artifact 1-1 is a projectile point/knife. It is a parallel stem corner removed specimen with a missing tip, a damaged blade, sloping shoulders and a convex base. The tip has been carried away by an impact fracture. The cross section is biconvex with edge abrading on the stem and beveling on the right blade edge. Maximum dimensions are 3.7 cm x 2.4 cm x 0.7 cm and it weighs 8.5 g. The stem measures 1.4 cm x 1.7 cm and comprises about 38% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Nolan type, which is associated with the Late Archaic Period. This is a good example of the Nolan point, which usually is not found this far north. However Perino (1985:274) notes that similar points have been found in west-central Illinois.

Artifacts cataloged as 1-4 include three bifacial knife midsections. All have missing tips, damaged blades, no notches, no shoulders and missing stems and bases. None exhibit edge abrading or beveling. The raw material is Burlington chert (both heat-treated and untreated), which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. These are of an unclassified type not associated with a specific cultural period.

Artifact 1-5 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, square shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.9 cm x 3.3 cm x 0.7 cm and it weighs 11.0 g. The stem measures 1.3 cm x 2.6 cm and comprises about 27% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.

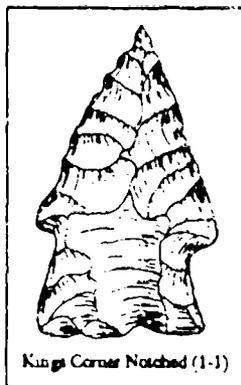
Artifact 1-6 is a bifacial knife. It is an bifurcated expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.0 cm x 2.8 cm x 0.6 cm and it weighs 6.9 g. The raw material is heat-treated Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and is an unclassified type that may be associated with the Middle Archaic Period.



Bifacial knife (1-6)

### 23DA405

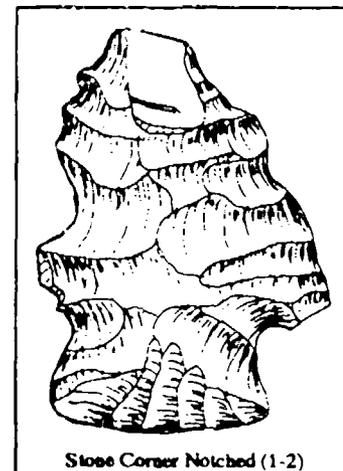
23DA405 is a lithic scatter exhibiting evidence of Late Archaic, Late Woodland and Mississippi Period occupations. It was recorded by Howard Wimmer in 1990 when he collected 6 artifacts weighing 60.4 g. These included 1 arrow point (0.4 g), 1 biface fragment (1.2 g), 1 dart point (17.2 g), 1 bifacial knife (4.7 g), 1 preform fragment (7.2 g) and 1 core scraper (29.7 g).



Kings Corner Notched (1-1)

Artifact 1-1 is a bifacial knife. It is an expanding stem corner removed specimen with a pointed tip, a straight blade, sloping shoulders and a straight base. The cross section is plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 4.0 cm x 2.3 cm x 0.5 cm and it weighs 4.7 g. The stem measures 1.2 cm x 2.1 cm and comprises about 30% of the total length of the specimen. The raw material is Reeds Spring chert, which is found in southwest Missouri and northwest Arkansas into northeast

Oklahoma and extreme southeast Kansas. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Kings Corner Notched type, which is associated with the Late Archaic Period.



Stone Corner Notched (1-2)

Artifact 1-2 is a dart point. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, damaged shoulders and a straight base. The tip has been carried away by an impact fracture. The cross section is biconvex with edge abrading on the stem but no beveling. Maximum dimensions are 5.2 cm x 3.7 cm x 0.9 cm and it weighs 17.2 g. The stem measures 1.5 cm x 2.8 cm and comprises about 29% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.



Artifact 1-3 is an arrow point. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, damaged shoulders and a straight base. The tip has been carried away by an impact fracture. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.7 cm x 1.0 cm x 0.3 cm and it weighs 0.4 g. The stem measures 0.5 cm x 0.9 cm and comprises about 29% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no use-wear. This specimen most closely resembles the Scallorn type, which is associated with the Late Woodland Period.

Artifact 1-4 is a core scraper. It is an unstemmed specimen with a rounded tip, an excurvate blade, no notches, no shoulders and a convex base. The cross section is plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 4.5 cm x 3.4 cm x 1.8 cm and it weighs 29.7 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from scraping wet hide. This specimen is resharpened and is an unclassified type that may be associated with the Woodland Period.

### 23DA406

23DA406 is a prehistoric habitation of unknown cultural affiliation. It was recorded by Howard Wimmer in 1990 when he collected 1 bifacial knife fragment (18.5 g).

Artifact 1-1 is a bifacial knife proximal. It is an unstemmed specimen with a missing tip and blade, no notches, no shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.1 cm x 5.6 cm x 1.0 cm and it weighs 18.5 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This is either the base of an advance stage preform used as a knife or an unhafted specimen, since use rounding and polish are found on the basal area. This specimen is an unclassified type not associated with a specific cultural period.

## 23DA410

23DA410 is a lithic scatter exhibiting evidence of a Mississippi Period occupation. It was recorded by Howard Wimmer in 1990 when he collected 1 arrow point (1-1). It is an expanding stem specimen with a pointed tip, a serrated blade, corner notches, square shoulders and a convex base. The cross section is irregular with no edge abrading and no beveling. Maximum dimensions are 2.4 cm x 1.1 cm x 0.4 cm and it weighs 0.9 g. The stem measures 0.7 cm x 0.8 cm and comprises about 29% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Sequoyah type, which is associated with the Caddoan Period.



## 23DA412

23DA412 is a prehistoric shelter exhibiting evidence of Middle to Late Woodland and Mississippi Period occupations. It was recorded by Howard Wimmer in 1991 when he collected 4 artifacts weighing 7.7 g. These included 3 arrow points (2.9 g) and 1 stemmed biface fragment (4.8 g).



Artifact 1-1 is an arrow point. It is an expanding stem specimen with a pointed tip, a straight blade, corner notches, square shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.9 cm x 1.0 cm x 0.4 cm and it weighs 0.9 g. The stem measures 0.5 cm x 0.8 cm and comprises about 26% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear.

This specimen most closely resembles the Scallorn type, which is associated with the Mississippi Period.

Artifact 1-2 is an arrow point. It is an unstemmed specimen with a missing tip, an excurvate blade, side notches, square shoulders and a convex base. The cross section is plano-convex with no edge abrading and no beveling. Maximum dimensions are 1.6 cm x 1.2 cm x 0.3 cm and it weighs 0.8 g. The raw material is Jefferson City quartzite, which is found locally in the deeper valleys. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Keota type, which is associated with the Mississippi Period.



Artifact 1-3 is an arrow point. It is an unstemmed specimen with a missing tip, a straight blade, side notches, no shoulders and a concave base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.0 cm x 1.1 cm x 0.4 cm and it weighs 1.2 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is resharpened

and most closely resembles the Haskell type, which is associated with the Mississippi Period. The blade appears reworked, as it is narrower than usual for the type.

Artifact 1-4 is a stemmed biface proximal. It is an expanding stem specimen with a missing tip and blade, side notches, square shoulders and a straight base. The cross section is biconvex with edge abrading on the base but no beveling. Maximum dimensions are 1.9 cm x 2.9 cm x 0.7 cm and it weighs 4.8 g. The stem measures 1.2 cm x 2.9 cm and comprises about 63% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Steuben type (except for the short hafting area), which is associated with the Woodland Period.

## POLK COUNTY SITES

### 23PO230

23PO230 is a lithic scatter exhibiting evidence of Middle to Late Archaic, Middle to Late Woodland and Mississippi Period occupations. It was recorded in 1973 by Mark Shadwick and visited by Howard Wimmer in 1991 when he collected 4 artifacts weighing 24.0 g. These included 1 arrow point fragment (0.7 g), 1 dart point (6.2 g), 1 bifacial knife fragment (6.4 g) and 1 projectile point/knife fragment (10.7 g).

Artifact 1-1 is a dart point recovered from Surface Area 2I. It is an unstemmed specimen with a missing tip, a damaged blade, side notches, sloping shoulders and a concave base. The tip has been carried away by an impact fracture. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.0 cm x 1.9 cm x 0.8 cm and it weighs 6.2 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is resharpened and most closely resembles the White River type, which is associated with the Middle Archaic Period.

Artifact 1-2 is a bifacial knife proximal recovered from Surface Area 1. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a missing base. The cross section is biconvex with edge abrading on the stem but no beveling. Maximum dimensions are 3.2 cm x 2.7 cm x 0.7 cm and it weighs 6.4 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Kings Corner Notched type, which is associated with the Terminal Archaic through Middle Woodland Period. This is a well-made biface, finished by pressure flaking. The blade margins probably were recurved. One exhibits serrations.

Artifact 1-3 is a projectile point/knife proximal recovered from Surface Area 1. It is a contracting stem corner removed specimen with a missing tip, an incurvate blade, sloping shoulders and a concave base. The cross section is biconvex with edge abrading

on the stem and no beveling. Maximum dimensions are 4.5 cm x 4.0 cm x 0.6 cm and it weighs 10.7 g. The stem measures 1.7 cm x 2.5 cm and comprises about 38% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Dickson type, which is associated with the Middle Woodland Period.



Artifact 1-4 is an arrow point stem recovered from Surface Area 1. It is a parallel stem specimen with a missing tip, an excurved blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.5 cm x 1.2 cm x 0.5 cm and it weighs 0.7 g. The stem measures 0.6 cm x 0.8 cm and comprises about 40% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Scallorn type, which is associated with the Late Woodland through Mississippi Period.

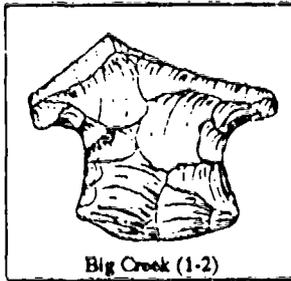
### 23PO304

23PO304 is a lithic scatter and cairn burial exhibiting evidence of Middle to Late Archaic, Late Woodland and Mississippi Period occupations. It was recorded in 1962 by McMillan and Pangborn and visited by Prewitt and Associates investigators in 1984. Howard Wimmer visited the site in 1989 when he collected 5 artifacts weighing 121.1 g. These included 1 stemmed biface fragment (6.0 g), 2 bifacial knives (20.6 g) and 2 preform fragments (94.5 g).

Artifact 1-1 is a bifacial knife. It is an unstemmed specimen with a missing tip, an incurvate blade, side notches, square shoulders and a damaged base. The cross section is rhomboidal with no edge abrading and beveling on the left edge of the blade. Maximum dimensions are 4.2 cm x 2.5 cm x 0.8 cm and it weighs 8.9 g. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the White River type, which is associated with the Middle Archaic Period.



Artifact 1-2 is a stemmed biface proximal. It is an expanding stem corner removed specimen with a missing tip and blade, barbed shoulders and a convex base. The cross section is irregular with no edge abrading and no beveling. Maximum dimensions are 2.6



cm x 3.1 cm x 0.7 cm and it weighs 6.0 g. The stem measures 1.4 cm x 2.2 cm and comprises about 54% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Big Creek type, which is associated with the Late Archaic Period.

Artifact 1-3 is a bifacial knife. It has a pointed tip, an excurvate blade, no notches, sloping shoulders and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 5.5 cm x 2.3 cm x 0.9 cm and it weighs 11.7 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and is an unclassified type not associated with a specific cultural period.

### 23PO320

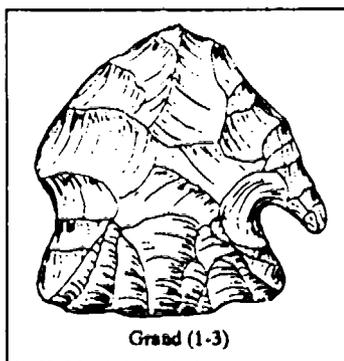
23PO320 is a prehistoric and historic habitation exhibiting evidence of Early to Late Archaic, Early and Middle Woodland and Mississippi Period occupations. It was recorded in 1982 by Prewitt and Associates investigators and visited by Howard Wimmer in 1988 when he collected 2 artifacts weighing 18.1 g. These included 1 biface edge fragment (8.7 g) and 1 preform proximal (9.4 g). Neither is associated with a specific cultural period.

### 23PO351

23PO351 is a prehistoric habitation exhibiting evidence of Early to Late Archaic, Middle to Late Woodland and Mississippi Period occupations. It was recorded by Howard Wimmer in 1986 when he collected 129 artifacts weighing 2,332.8 g. These included 1 flat abrader (564.9 g), 1 arrow point (0.6 g), 38 biface fragments (326.5 g), 7 stemmed biface fragments (63.3 g), 6 unstemmed biface fragments (38.7 g), 1 sandstone concretion (64.7 g), 5 dart point fragments (31.4 g), 1 bifacial drill fragment (0.7 g), 1 hammerstone (88.6 g), 10 bifacial knife fragments (67.6 g), 9 bifacial knife (73.1 g), 1 knife/scrapper (11.2 g), 15 mussel shell fragments (195.6 g), 29 preform fragments (655.8 g), 2 preforms (134.5 g) and 2 projectile point/knife fragments (15.6 g).

Artifact 1-1 is a bifacial knife recovered from Surface Area C. It is an expanding stem corner removed specimen with a missing tip, a damaged blade, sloping shoulders and a concave base. The cross section is rhomboidal with no edge abrading and beveling on the left edge of the blade. Maximum dimensions are 4.2 cm x 2.7 cm x 0.8 cm and it weighs 10.1 g. The stem measures 1.3 cm x 2.4 cm and comprises about 31% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is resharpened and is a late variant of the Rice type, as indicated by the absence of stem grinding. It is associated with the Middle Archaic Period.

Artifact 1-2 is a bifacial knife recovered from Surface Area C. It is an expanding stem specimen with a pointed tip, a straight blade, corner notches, barbed shoulders and a straight base. The cross section is plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 4.5 cm x 2.1 cm x 6.7 cm and it weighs 5.9 g. The stem measures 0.9 cm x 2.1 cm and comprises about 20% of the total length of the specimen. The raw material is Reeds Spring chert, which is found in southwest Missouri and northwest Arkansas into northeast Oklahoma and extreme southeast Kansas. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Ensor type, which is associated with the Late Archaic Period.



Artifact 1-3 is a bifacial knife/scrapper recovered from Surface Area C. It is an expanding stem specimen with a rounded tip, an excurvate blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.7 cm x 3.8 cm x 0.8 cm and it weighs 11.2 g. The stem measures 1.3 cm x 3.2 cm and comprises about 35% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from

cutting meat with bone contact and from scraping wet hide. This specimen is exhausted and most closely resembles the Grand type, which is associated with the Middle Woodland Period.

Artifact 1-7 is a dart point stem recovered from Surface Area C. It is an expanding stem specimen with a missing tip and blade, corner notches, square shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.4 cm x 3.9 cm x 0.8 cm and it weighs 7.5 g. The stem measures 1.4 cm x 3.2 cm and comprises about 58% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Big Creek type, which is associated with the Late Archaic Period.

Artifact 1-8 is a dart point stem recovered from Surface Area C. It is an expanding stem specimen with a missing tip and blade, corner notches, square shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.6 cm x 3.4 cm x 0.8 cm and it weighs 11.7 g. The stem measures 1.4 cm x 2.8 cm and comprises about 39% of the total length of the specimen. The



raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Big Creek type, which is associated with the Late Archaic Period.

Artifact 1-9 is a dart point stem recovered from Surface Area C. It is a parallel stem specimen with a missing tip and blade, corner removed square shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.9 cm x 3.1 cm x 0.9 cm and it weighs 7.9 g. The stem measures 1.2 cm x 2.1 cm and comprises about 41% of the total length of the specimen. The raw material is, an unidentified dark and light gray fossiliferous chert (Sedalia). Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Stone Square Stemmed type, which is associated with the Late Archaic Period.

Artifact 1-10 is a stemmed biface proximal recovered from Surface Area C. It is a parallel stem corner removed specimen with a missing tip and blade, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.6 cm x 3.7 cm x 0.9 cm and it weighs 11.3 g. The stem measures 0.9 cm x 2.5 cm and comprises 25% of the total length of the specimen. The raw material is heat-treated Keokuk chert, which is abundant further south but may be available locally in highly restricted areas. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type that may be associated with the Late Archaic Period. The short square stem has probably been broken and reworked unifacially. It may originally have been either a Smith or Stone Square Stemmed point.

Artifact 1-11 is an arrow point recovered from Surface Area C. It is an expanding stem corner removed specimen with a rounded tip, a straight blade, square shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.7 cm x 1.0 cm x 0.4 cm and it weighs 0.6 g. The stem measures 0.7 cm x 0.9 cm and comprises about 41% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is resharpened and most closely resembles the Scallorn type, which is associated with the Late Woodland through Mississippi Period.

Artifact 1-12 is a biface fragment recovered from Surface Area C. It is an expanding stem corner removed specimen with a missing tip, a damaged blade, sloping shoulders and a straight base. The cross section is biconvex with edge abrading on the stem but no beveling. Maximum dimensions are 4.3 cm x 2.8 cm x 0.8 cm and it weighs 11.4 g. The stem measures 1.3 cm x 2.1 cm and comprises about 30% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed battering but no evidence of use-wear. This specimen is a variant of the Table Rock Stemmed type, which is associated with the Late Archaic Period.



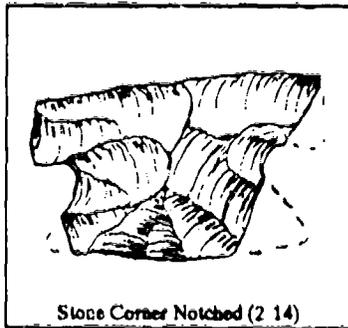
Artifact 1-13 is a bifacial knife recovered from Surface Area C. It is a parallel stem specimen with a pointed tip, a straight blade, no notches, no shoulders and a straight base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 4.1 cm x 2.7 cm x 0.7 cm and it weighs 7.3 g. The stem measures 1.4 cm x 2.4 cm and comprises about 34% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is exhausted and is an unclassified type that may be associated with the Late Archaic Period. It has been resharpened so much that all of the shoulders are gone. It may have been a Smith point originally.

Artifact 2-1 is a biface recovered from Surface Area D. It is an expanding stem specimen with a pointed tip, a recurved blade, corner notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.6 cm x 2.1 cm x 0.4 cm and it weighs 1.5 g. The stem measures 0.9 cm x 1.3 cm and comprises about 31% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is resharpened and most closely resembles the Kings Corner Notched type, which is associated with the Terminal Archaic Period.



Artifact 2-12 is a stemmed biface proximal recovered from Surface Area D. It is an expanding stem specimen with a missing tip and blade, corner notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.9 cm x 3.9 cm x 0.8 cm and it weighs 14.1 g. The stem measures 1.5 cm x 2.4 cm and comprises about 38% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.

Artifact 2-13 is a bifacial knife recovered from Surface Area D. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.3 cm x 3.1 cm x 0.8 cm and it weighs 7.7 g. The stem is 1.5 cm long and comprises about 45% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Big Creek type, which is associated with the Late Archaic Period.

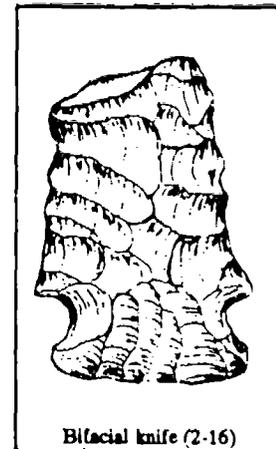


Artifact 2-14 is a preform proximal recovered from Surface Area D. It is an expanding stem specimen with a missing tip and blade, corner notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.5 cm x 3.9 cm x 0.9 cm and it weighs 8.5 g. The stem measures 1.2 cm x 2.3 cm and comprises about 48% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic

examination revealed no evidence of use-wear. This specimen most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.

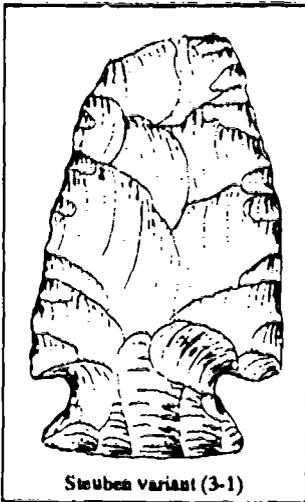
Artifact 2-15 is a stemmed biface proximal recovered from Surface Area D. It is an expanding stem specimen with a missing tip and blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.3 cm x 3.1 cm x 0.7 cm and it weighs 4.8 g. The stem measures 1.3 cm x 2.3 cm and comprises about 57% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Big Creek type, which is associated with the Late Archaic Period.

Artifact 2-16 is a bifacial knife recovered from Surface Area D. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, square shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.1 cm x 2.8 cm x 0.7 cm and it weighs 8.2 g. The stem measures 1.2 cm x 2.4 cm and comprises about 29% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and is an unclassified type that may be associated with the Middle Archaic Period. It probably developed from Rice Lobed with bifacial resharpening.



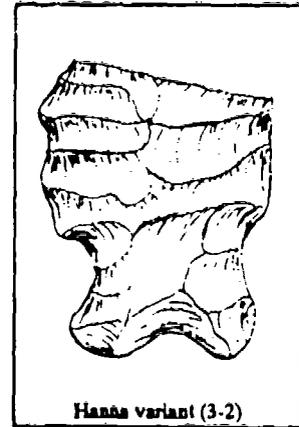
Artifact 2-17 is a bifacial drill midsection recovered from Surface Area D. It is an unstemmed specimen with a missing tip, a damaged blade, no notches, no shoulders and a missing base. The cross section is diamond-shaped with no edge abrading and no beveling. Maximum dimensions are 2.2 cm x 0.9 cm x 0.4 cm and it weighs 0.7 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from perforating. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 3-1 is a bifacial knife recovered from Surface Area A. It is an expanding stem specimen with a missing tip, an excurvate blade, corner notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling.

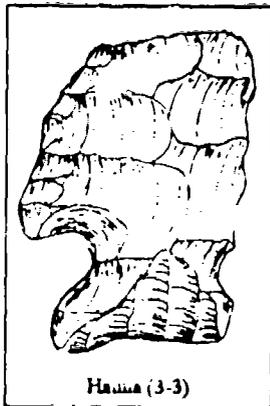


Maximum dimensions are 5.5 cm x 3.3 cm x 0.8 cm and it weighs 14.8 g. The stem measures 1.0 cm x 2.6 cm and comprises about 18% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Steuben variant type, which is associated with the Woodland Period.

Artifact 3-2 is a bifacial knife proximal recovered from Surface Area A. It is an expanding well-thinned stem specimen with a missing tip, a damaged blade, side notches, sloping shoulders



and a concave base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.7 cm x 2.9 cm x 1.2 cm and it weighs 11.5 g. The stem measures 1.5 cm x 2.4 cm and comprises about 41% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is a variant of the Hanna type, which is associated with the Late Archaic Period. This point has a knot on one face that could not be removed by knapping.



Artifact 3-3 is a stemmed biface proximal recovered from Surface Area A. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a concave base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.3 cm x 2.8 cm x 0.9 cm and it weighs 12.0 g. The stem measures 1.5 cm x 2.4 cm and comprises about 35% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Hanna type, which is associated with the Late Archaic Period.

Artifact 3-4 is a projectile point/knife proximal recovered from Surface Area A. It is a parallel stem corner removed specimen with a missing tip, a damaged blade, square shoulders and a straight base. The tip has been carried away by an impact fracture. The cross section is biconvex with edge abrading on the stem but no beveling. Maximum dimensions are 3.8 cm x 3.4 cm x 0.9 cm and it weighs 12.1 g. The stem measures 1.7 cm x 2.2 cm and comprises about 45% of the total length of the specimen. The raw material is heat-treated



Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles an unnamed type, which is associated with the Middle Archaic Period.



Artifact 3-5 is a stemmed biface proximal recovered from Surface Area A. It is an expanding stem specimen with a missing tip and blade, side notches, sloping shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.2 cm x 2.4 cm x 0.7 cm and it weighs 5.5 g. The stem measures 1.2 cm x 2.1 cm and comprises about 38% of the total length of the specimen. The raw material is heat-treated Keokuk chert, which is abundant further south but may be available locally in highly restricted areas. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Big Creek type, which is associated with the Late Archaic Period.

Artifacts cataloged as 3-8 include five bifacial knife midsections recovered from Surface Area A. All have missing tips, damaged blades, no shoulders and missing stems and bases. None exhibit edge abrading or beveling. The raw material is Burlington chert (both heat-treated and untreated), which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. These specimens are of an unclassified type not associated with a specific cultural period.

Artifact 3-9 is a dart point stem recovered from Surface Area A. It is an expanding stem specimen with a missing tip and blade, corner notches, missing shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.5 cm x 1.9 cm x 0.6 cm and it weighs 2.0 g. The stem measures 0.9 cm x 1.7 cm and comprises about 60% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type that may be associated with the Mississippi Period. It is similar to the LC-8 category recovered from the Albertson site (Dickson 1991:166).

Artifact 3-10 is a bifacial knife recovered from Surface Area A. It is a contracting stem corner removed specimen with a missing tip, a damaged blade, missing shoulders and a damaged base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 4.5 cm x 3.3 cm x 0.9 cm and it weighs 16.2 g. The stem measures 0.8 cm x 0.0 cm and comprises about 18% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period. The short thick stem appears to have been reworked into a contracting form. Originally, it could have been squared or expanding.

Artifact 4-1 is a bifacial knife recovered from Surface Area B. It is a contracting stem specimen with a missing tip, a straight blade, no notches, no shoulders and a concave base. The cross section is rhomboidal with edge abrading on the stem and beveling on the left edge of the blade. Maximum dimensions are 4.7 cm x 1.9 cm x 0.8 cm and it weighs 6.0 g. The stem measures 1.4 cm x 1.9 cm and comprises about 30% of the total length of the specimen. The raw material is heat-treated Keokuk chert, which is abundant further south but may be available locally in highly restricted areas. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is exhausted and most closely resembles the Dalton type, which is associated with the Early Archaic Period. Many would classify this as an Agate Basin-like point resharpened in the same manner as a Dalton. The hafting area contracts slightly to a concave base.



Dalton (4-1)



Table Rock Stemmed (4-2)

Artifact 4-2 is a bifacial knife recovered from Surface Area B. It is a parallel stem corner removed specimen with a missing tip, an excruciate blade, square shoulders and a straight base. The cross section is biconvex with edge abrading on the stem but no beveling. Maximum dimensions are 3.0 cm x 1.9 cm x 0.5 cm and it weighs 3.1 g. The stem measures 1.0 cm x 1.4 cm and comprises 33% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Table Rock Stemmed type, which is associated with the Late Archaic Period.

Artifact 4-3 is a projectile point/knife midsection recovered from Surface Area B. It has a missing tip, a straight blade, basal notches, barbed shoulders and a missing stem and base. The tip has been carried away by an impact fracture. The stem was probably narrow and expanding. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.3 cm x 2.1 cm x 0.4 cm and it weighs 3.5 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 4-4 is a stemmed biface proximal recovered from Surface Area B. It is an expanding corner removed stem specimen with a missing tip and blade, missing shoulders and a damaged base. The cross section is biconvex with edge abrading on the stem but no beveling. Maximum dimensions are 3.4 cm x 2.0 cm x 0.6 cm and it weighs 4.2 g. The stem is 1.5 cm long and comprises about 44% of the total length of the specimen. The raw material is heat-treated Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Table Rock Stemmed type, which is associated with the Late Archaic Period.

Artifact 4-5 is a dart point stem recovered from Surface Area B. It is a contracting stem specimen with a missing tip and blade, no notches, no shoulders and a convex base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 2.0 cm x 1.8 cm x 0.6 cm and it weighs 2.3 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 4-6 is a bifacial knife proximal recovered from Surface Area B. It is a parallel stem corner removed specimen with a missing tip, a damaged blade, square shoulders and a damaged base. It is split lengthwise down the center. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 5.0 cm x 1.9 cm x 0.7 cm and it weighs 7.4 g. The stem is 1.1 cm long and comprises about 22% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifacts cataloged as 4-9 include two bifacial knife proximals recovered from Surface Area B. They are unstemmed specimens with missing tips, damaged blades, no notches, no shoulders and a missing base. Neither exhibits evidence of edge abrading or beveling. Raw materials include Burlington chert (both heat-treated and untreated), which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. These specimens are of an unclassified type not associated with a specific cultural period.

### 23PO355

23PO355 is a prehistoric habitation exhibiting evidence of Middle to Late Archaic, Early and Late Woodland and Mississippi Period occupations. It was recorded by Prewitt and Associates investigators in 1984 and visited by Howard Wimmer in 1988 when he collected 16 artifacts weighing 198.4 g. These included 1 arrow point (0.6 g), 2 biface fragments (15.6 g), 1 stemmed biface (4.6 g), 1 dart point (5.6 g), 3 bifacial knife fragments (37.4 g), 3 bifacial knives (49.5 g) and 5 preform fragments (85.1 g).

Artifact 1-1 is a dart point. It is an expanding stem corner removed specimen with a missing tip, a straight blade, sloping shoulders and a concave base. The tip has been carried away by an impact fracture. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.1 cm x 2.0 cm x 0.7 cm and it weighs 5.6 g. The stem measures 0.8 cm x 1.7 cm and comprises about 20% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic



examination revealed no evidence of use-wear. This specimen most closely resembles the Ellis type, which is associated with the Late Archaic Period.



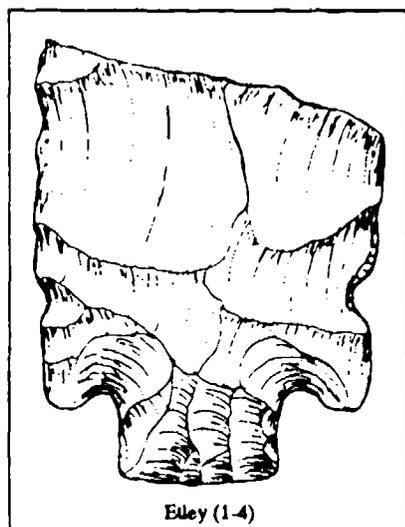
Stemmed biface (1-2)

Artifact 1-2 is a stemmed biface. It is an expanding stem specimen with a missing tip, a damaged blade, basal notches, barbed shoulders and a concave base. The cross section is biconvex with edge abrading on the base but no beveling. Maximum dimensions are 2.9 cm x 3.0 cm x 0.4 cm and it weighs 4.6 g. The stem measures 0.7 cm x 2.0 cm and comprises about 24% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type that may be associated with the Archaic Period.

Artifact 1-3 is an arrow point. It is an expanding stem specimen with a pointed tip, a straight blade, corner notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.3 cm x 1.3 cm x 0.3 cm and it weighs 0.6 g. The stem measures 0.4 cm x 0.8 cm and comprises about 17% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Scallorn type, which is associated with the Late Woodland through Mississippi Period.



Scallorn (1-3)



Etley (1-4)

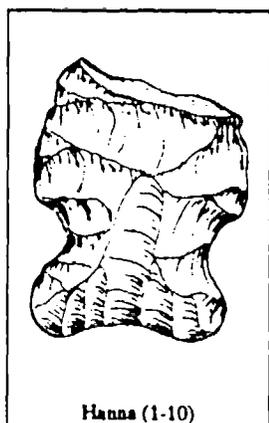
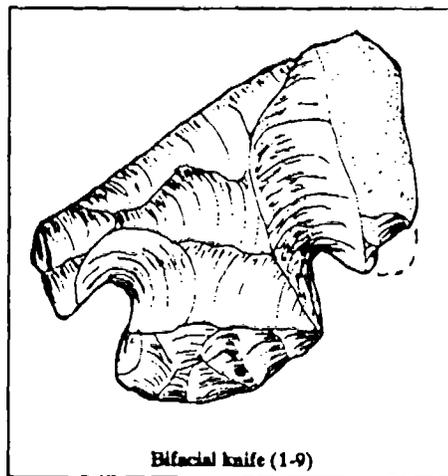
Artifact 1-4 is a bifacial knife. It is a parallel stem corner removed specimen with a missing tip, a damaged blade, barbed shoulders and a straight base. The cross section is plano-convex with no edge abrading and no beveling. Maximum dimensions are 5.3 cm x 4.6 cm x 1.2 cm and it weighs 34.2 g. The stem measures 1.2 cm x 2.2 cm and comprises about 23% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Etley type, which is associated with the Late Archaic Period. This specimen is thick because the stone did not knap well and hinged leaving the center thicker. The stem is not as long as usual for the Etley type for the same reason. One margin is much damaged and the other shows some use polish and breakage.

Artifact 1-7 is a bifacial knife midsection. It has a missing tip, a damaged blade, corner notches, barbed shoulders and a missing stem and base. The cross section is

biconvex with no edge abrading and no beveling. Maximum dimensions are 4.2 cm x 3.9 cm x 0.6 cm and it weighs 9.1 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact and from scraping wet hide. This specimen is an unclassified type that may be associated with the Late Archaic Period.

Artifact 1-8 is a bifacial knife. It is a parallel stem corner removed specimen with a missing tip, a straight blade, square shoulders and a missing base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.3 cm x 2.7 cm x 0.7 cm and it weighs 6.9 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period. The stem has been broken 0.5 cm below the shoulders and has been unifacially beveled and used to scrape a hard substance, possibly bone or antler.

Artifact 1-9 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip and blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.6 cm x 5.2 cm x 0.9 cm and it weighs 19.7 g. The stem measures 1.5 cm x 2.7 cm and comprises about 33% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type that may be associated with the Middle Archaic Period. Similar bifaces were recovered from an apparent Middle Archaic context at Calf Creek Cave in Searcy Co., Arkansas (Dickson 1970:70-71).



Artifact 1-10 is a bifacial knife. It is an expanding stem specimen with a missing tip, an excurvate blade, side notches, sloping shoulders and a concave base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 3.6 cm x 2.7 cm x 0.8 cm and it weighs 8.4 g. The stem measures 1.4 cm x 2.5 cm and comprises about 39% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Hanna type, which is associated with the Late Archaic Period.

Artifact 1-11 is a bifacial knife proximal. It is an unstemmed specimen with a missing tip, a damaged blade, no notches, no shoulders and a convex base. The cross

section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.6 cm x 3.4 cm x 0.5 cm and it weighs 8.6 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period. This biface is a very thin carefully made tool that apparently was unhafted.

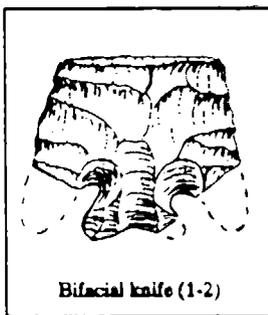
### 23PO357

23PO357 is a prehistoric habitation exhibiting evidence of Late Archaic, Late Woodland and Mississippi Period occupations. It was recorded by Prewitt and Associates investigators in 1984 and visited by Howard Wimmer in 1989 when he collected 29 artifacts weighing 315.3 g. These included 1 arrow point (1.7 g), 3 stemmed biface fragments (11.3 g), 1 dart point fragment (1.7 g), 2 bifacial knife fragments (12.0 g), 4 bifacial knife (46.7 g), 17 preform fragments (215.8 g) and 1 preform (26.1 g).

Artifact 1-1 is an arrow point recovered from Surface Area A. It is an expanding stem specimen with a pointed tip, a straight blade, corner notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.7 cm x 1.8 cm x 0.5 cm and it weighs 1.7 g. The stem measures 0.7 cm x 1.0 cm and comprises about 26% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Scallorn type, which is associated with the Late Woodland Period.



Scallorn (1-1)



Bifacial knife (1-2)

Artifact 1-2 is a bifacial knife proximal recovered from Surface Area A. It is an expanding stem specimen with a missing tip, a damaged blade, basal notches, barbed shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.3 cm x 2.7 cm x 0.5 cm and it weighs 3.5 g. The stem is 0.6 cm long and comprises about 26% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is a fairly rare type, possibly of Early Mississippi origin. The stem is not ground as are similarly shaped Archaic bifaces with broader stems.

Artifact 1-3 is a bifacial knife recovered from Surface Area A. It is an expanding stem corner removed specimen with a missing tip, a damaged blade, square shoulders and a convex base. The cross section is biconvex with edge abrading on the stem but no beveling. Maximum dimensions are 5.5 cm x 3.2 cm x 0.9 cm and it weighs 14.0 g. The stem measures 1.6 cm x 2.4 cm and comprises about 29% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally.

Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Big Creek type, which is associated with the Late Archaic Period.

Artifact 1-4 is a bifacial knife recovered from Surface Area A. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, missing shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.0 cm x 2.4 cm x 0.6 cm and it weighs 5.8 g. The stem measures 1.3 cm x 2.4 cm and comprises about 43% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Big Creek type, which is associated with the Late Archaic Period. It was probably originally corner notched, but has been resharpened so much that most of blade is gone and wide shallow side notches have been created.



Artifact 2-2 is a bifacial knife recovered from Surface Area B. It is a parallel stem specimen with a pointed tip, a straight blade, basal notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 5.8 cm x 4.6 cm x 0.9 cm and it weighs 22.7 g. The stem measures 1.3 cm x 2.5 cm and comprises about 22% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Late Archaic Period Smith type.

Artifact 2-3 is a stemmed biface proximal recovered from Surface Area B. It is an expanding stem specimen with a missing tip and blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.8 cm x 3.8 cm x 0.8 cm and it weighs 9.1 g. The stem measures 1.3 cm x 2.5 cm and comprises about 46% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Big Creek type, which is associated with the Late Archaic Period.



Artifact 2-4 is a bifacial knife recovered from Surface Area B. It is an expanding stem specimen with a missing tip, an excurvate blade, side notches, square shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.2 cm x 2.0 cm x 0.7 cm and it weighs 4.2 g. The stem is 0.7 cm long and comprises about 22% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Ensor type, which is associated with the Late Archaic Period.

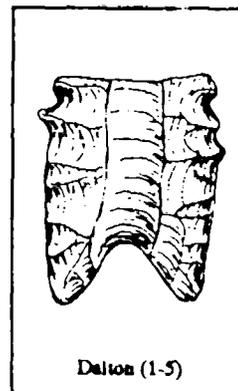
Artifact 2-5 is a dart point stem recovered from Surface Area B. It is a parallel stem specimen with a missing tip, a damaged blade, corner removed missing shoulders and a convex base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 2.3 cm x 1.6 cm x 0.5 cm and it weighs 1.7 g. The stem measures 0.8 cm x 1.3 cm and comprises about 35% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is resharpened and most closely resembles the Table Rock Stemmed type, which is associated with the Late Archaic Period.

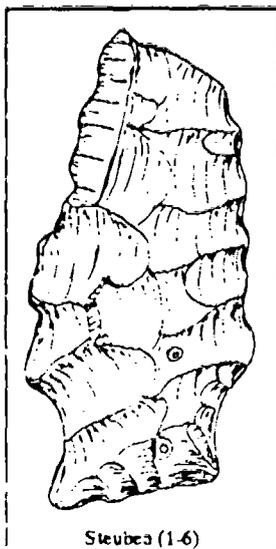
Artifact 2-6 is a bifacial knife midsection recovered from Surface Area B. It is an unstemmed specimen with a missing tip, a damaged blade, no notches, no shoulders and a missing base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.9 cm x 3.0 cm x 0.6 cm and it weighs 8.5 g. The raw material is heat-treated Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

### 23PO359

23PO359 is a prehistoric habitation exhibiting evidence of Early to Late Archaic, Middle to Late Woodland and Mississippi Period occupations. It was recorded in 1984 by Prewitt and Associates investigators and visited by Howard Wimmer in 1989 when he collected 84 artifacts weighing 816.2 g. These included 1 arrow point fragment (3.5 g), 1 arrow point (2.3 g), 17 biface fragments (78.7 g), 5 stemmed biface fragments (25.3 g), 1 stemmed biface (4.2 g), 9 unstemmed biface fragments (32.8 g), 1 dart point fragment (1.7 g), 5 dart points (31.8 g), 1 bifacial drill fragment (0.4 g), 1 bifacial drill (4.8 g), 5 bifacial knife fragment (31.3 g), 3 bifacial knives (31.6 g), 31 preform fragments (548.3 g), 1 preform (4.1 g), 1 projectile point/knife fragment (11.2 g) and 1 bifacial end scraper (4.2 g).

Artifact 1-5 is a bifacial knife proximal. It is a parallel stem specimen with a missing tip and blade, no notches, no shoulders and a concave base. The cross section is biconvex with edge abrading on the base and stem and no beveling. Maximum dimensions are 3.0 cm x 2.4 cm x 0.7 cm and it weighs 4.9 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is resharpened and most closely resembles the Dalton type, which is associated with the Early Archaic Period. It is broken just above the hafting area. Two serrations are apparent above the hafting area on each side and these feature some use polish. A flute-like thinning flake runs the full length of the specimen on one face.





Artifact 1-6 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, sloping shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 6.1 cm x 2.9 cm x 0.9 cm and it weighs 16.8 g. The stem measures 1.2 cm x 2.1 cm and comprises about 20% of the total length of the specimen. The raw material is Pierson chert, which is abundant in the Branson area and may be exposed in limited areas locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Steuben type, which is associated with the Woodland Period.

Artifact 1-7 is a dart point. It is a slightly expanding stem corner removed specimen with a missing tip, a damaged blade, damaged shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 4.5 cm x 3.5 cm x 0.5 cm and it weighs 10.9 g. The stem measures 1.5 cm x 3.0 cm and comprises 33% of the total length of the specimen. The raw material is Keokuk chert, which is abundant further south but may be available locally in highly restricted areas. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Unknown type that may be associated with the Late Archaic Period.

Artifact 1-8 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, square shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.2 cm x 3.4 cm x 0.7 cm and it weighs 9.3 g. The stem measures 1.3 cm x 3.1 cm and comprises about 41% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Big Creek type which is associated with the Late Archaic Period.



Artifact 1-9 is a bifacial knife. It is an expanding stem specimen with a missing tip, an incurvate blade, corner notches, barbed shoulder and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.3 cm x 2.5 cm x 0.6 cm and it weighs 5.5 g. The stem measures 1.0 cm x 2.5 cm and comprises about 30% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and is a variant of the Big Creek type, which is associated with the Late Archaic Period.

Artifact 1-10 is a dart point. It is an expanding stem corner removed specimen with a missing tip, a damaged blade, missing shoulders and a convex base. The tip has been carried away by an impact fracture. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.5 cm x 3.0 cm x 1.2 cm and it weighs 14.2 g. The stem measures 1.3 cm x 2.8 cm and comprises about 29% of the total length of the specimen. The raw material is heat-treated fossiliferous and coarse textured Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is resharpened and most closely resembles the Big Creek type, which is associated with the Late Archaic Period.



Artifact 1-12 is a bifacial drill. It is an unstemmed specimen with a pointed tip, a straight blade, no notches, no shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.6 cm x 2.9 cm x 0.6 cm and it weighs 4.8 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from perforating. This specimen is an unclassified type that may be associated with the Woodland Period.

Artifact 1-13 is a projectile point/knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, corner removed barbed shoulders and a convex base. The tip has been carried away by an impact fracture. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.7 cm x 3.5 cm x 0.7 cm and it weighs 11.2 g. The stem measures 1.2 cm x 2.8 cm and comprises about 26% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is resharpened and most closely resembles the Big Creek type, which is associated with the Late Archaic Period.



Artifact 1-14 is a dart point stem. It is an expanding stem corner removed specimen with a missing tip and blade, square shoulders and a straight base. The tip has been carried away by an impact fracture. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 2.0 cm x 1.7 cm x 0.5 cm and it weighs 1.7 g. The stem measures 0.8 cm x 1.2 cm and comprises 40% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is exhausted and is a variant of the Table Rock Stemmed type, which is associated with the Late Archaic Period.



Preform (1-15)

Artifact 1-15 is a preform. It is an unstemmed specimen with a rounded tip, an excurvate blade, no notches, no shoulders and a convex base. The cross section is biconvex with edge abrading on the blade and beveling on the right blade edge. Maximum dimensions are 3.6 cm x 1.9 cm x 0.6 cm and it weighs 4.1 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type that may be associated with the Woodland Period.

Artifact 1-16 is an arrow point. It is an unstemmed specimen with a missing tip, a damaged blade, no notches, no shoulders and a convex base. The tip has been carried away by an impact fracture. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.4 cm x 1.6 cm x 0.5 cm and it weighs 2.3 g. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Crisp Ovate type, which is associated with the Mississippi Period.



Crisp Ovate (1-16)



White River (1-17)

Artifact 1-17 is a dart point. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, sloping shoulders and a concave base. The tip has been carried away by an impact fracture. The cross section is biconvex with edge abrading on the base and stem but no beveling. Maximum dimensions are 2.4 cm x 1.7 cm x 0.5 cm and it weighs 2.4 g. The stem measures 1.0 cm x 1.8 cm and comprises about 42% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is exhausted and most closely resembles the White River type, which is associated with the Middle Archaic Period.

Artifact 1-18 is a dart point. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, sloping shoulders and a concave base. The tip has been carried away by an impact fracture. The cross section is biconvex with edge abrading on the base and stem and no beveling. Maximum dimensions are 2.0 cm x 1.7 cm x 0.6 cm and it weighs 2.3 g. The stem measures 0.8 cm x 1.7 cm and comprises 40% of the total length of the specimen. The raw material is Pierson chert, which is abundant in the Branson area and may be exposed in limited areas locally. Microscopic examination revealed no evidence of use-wear. This specimen is exhausted and most closely resembles the White River type, which is associated with the Middle Archaic Period.



White River (1-18)

Artifact 1-19 is a dart point. It is an expanding stem specimen with a missing tip and blade, side notches, missing shoulders and a concave base. The tip has been carried

away by an impact fracture. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.7 cm x 2.2 cm x 0.7 cm and it weighs 2.0 g. The stem measures 1.0 cm x 2.2 cm and comprises about 59% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is exhausted and most closely resembles the White River type, which is associated with the Middle Archaic Period.



Big Creek (1-20)

Artifact 1-20 is a bifacial end scraper. It is an expanding stem corner removed specimen with a rounded tip, an incurvate blade, square shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.8 cm x 2.2 cm x 0.6 cm and it weighs 4.2 g. The stem measures 1.3 cm x 2.1 cm and comprises about 46% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from scraping wet hide. This specimen is exhausted and most closely resembles the Big Creek type, which is associated with the Late Archaic Period.

Artifact 1-21 is a stemmed biface proximal. It is an expanding stem corner removed specimen with a missing tip and blade, damaged shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.5 cm x 3.1 cm x 0.7 cm and it weighs 5.8 g. The stem measures 1.4 cm x 2.1 cm and comprises about 56% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.



Stone Corner Notched (1-21)

Artifact 1-22 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, damaged shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.1 cm x 3.0 cm x 0.8 cm and it weighs 9.0 g. The stem measures 1.4 cm x 2.7 cm and comprises about 45% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Big Creek type, which is associated with the Late Archaic Period.



Hanna (1-23)

Artifact 1-23 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, an incurvate blade, side notches, sloping shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.5 cm x 2.6 cm x 0.8 cm and it weighs 6.3 g. The

stem is 1.2 cm long and comprises about 34% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is resharpened and most closely resembles the Hanna type, which is associated with the Late Archaic Period. There is a potlid fracture on one face and some heat damage on the edges.

Artifact 1-24 is a biface stem. It is an expanding stem specimen with a missing tip and blade, corner notches, missing shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.4 cm x 2.3 cm x 0.5 cm and it weighs 3.2 g. The stem measures 1.0 cm x 1.4 cm and comprises about 42% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Kings Corner Notched type, which is associated with the Terminal Archaic through Middle Woodland periods.

Artifact 1-25 is an arrow point midsection. It has a missing tip, a damaged blade, corner notches, barbed shoulders and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.1 cm x 1.8 cm x 0.5 cm and it weighs 3.5 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type that may be an early arrow point associated with the Woodland Period.

Artifact 1-26 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip and blade, corner notches, barbed shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.6 cm x 2.0 cm x 0.7 cm and it weighs 4.4 g. The stem is 1.2 cm long and comprises 33% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Big Creek type, which is associated with the Late Archaic Period. The biface broke due to inclusion of a brizoan fossil in the chert.

Artifact 1-27 is a bifacial drill midsection. It is an unstemmed specimen with a missing tip, a straight blade, no notches, no shoulders and a missing base. The cross section is plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 1.5 cm x 0.7 cm x 0.3 cm and it weighs 0.4 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from perforating. This specimen is an unclassified type that may be associated with the Woodland Period.

Artifact 1-28 is a stemmed biface proximal. It is a parallel stem corner removed specimen with a missing tip and blade, sloping shoulders and a concave base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum

dimensions are 2.4 cm x 2.6 cm x 0.6 cm and it weighs 4.0 g. The stem is 1.4 cm long and comprises about 58% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Duncan type, which is associated with the Late Archaic Period.

Artifact 1-29 is a stemmed biface. It is an expanding stem corner removed specimen with a missing tip and blade, sloping shoulders and a concave base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 2.4 cm x 2.3 cm x 0.7 cm and it weighs 4.2 g. The stem measures 1.2 cm x 2.2 cm and comprises 50% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Hanna type, which is associated with the Late Archaic Period.

Artifact 1-30 is a stemmed biface proximal. It is an expanding stem specimen with a missing tip and blade, side notches, sloping shoulders and a concave base. The cross section is biconvex with edge abrading on the stem but no beveling. Maximum dimensions are 2.1 cm x 2.1 cm x 0.8 cm and it weighs 3.9 g. The stem measures 1.1 cm x 1.9 cm and comprises about 52% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Hanna type, which is associated with the Late Archaic Period.

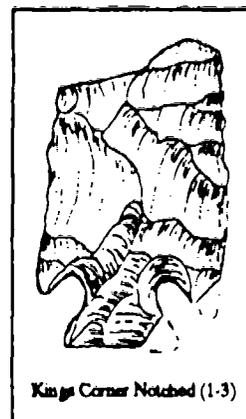
Artifact 1-31 is a bifacial knife midsection. It has a missing tip, an excurvate blade, basal notches, barbed shoulders and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.4 cm x 2.8 cm x 0.6 cm and it weighs 6.7 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is resharpened and most closely resembles the Calf Creek type, which is associated with the Middle Archaic Period. This specimen is broken lengthwise and above and below shoulder and consists of one barb, a small section of blade edge and a small portion of one side of the stem. It may have broken due to fossil crinoid sections in the center of the blade.

### **23PO360**

23PO360 is a prehistoric habitation exhibiting evidence of Middle to Late Archaic and Middle to Late Woodland Period occupations. It was recorded in 1984 by Prewitt and Associates investigators and visited by Howard Wimmer in 1989 when he collected 51 artifacts weighing 2,208.4 g. These included 1 flat abrader (986.0 g), 1 abrader, grooved (428.9 g), 1 arrow point (2.8 g), 4 biface fragments (22.8 g), 3 stemmed biface fragments (18.7 g), 1 dart point (7.1 g), 2 bifacial drill fragments (13.1 g), 7 bifacial knife fragments (42.9 g), 7 bifacial knives (63.2 g), 1 knife/scrapper fragment (26.7 g), 19 preform

fragments (501.7 g), 1 preform (7.1 g), 1 projectile point/knife fragment (5.1 g), 1 projectile point/knife (11.3 g) and 1 flake scraper (71.0 g).

Artifact 1-3 is a bifacial knife recovered from Surface Area B. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.1 cm x 2.3 cm x 0.6 cm and it weighs 6.2 g. The stem is 1.0 cm long and comprises about 24% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Kings Corner Notched type, which is associated with the Late Archaic Period.



Kings Corner Notched (1-3)



Table Rock Stemmed (1-4)

Artifact 1-4 is a dart point recovered from Surface Area B. It is a parallel stem specimen with a missing tip, a damaged blade, corner removed sloping shoulders and a straight base. The cross section is biconvex with edge abrading on the base and stem and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 4.6 cm x 2.3 cm x 0.8 cm and it weighs 7.1 g. The stem measures 1.4 cm x 1.5 cm and comprises about 30% of the total length of the specimen. The raw material is heat-treated Pierson chert, which is abundant in the Branson area and may be exposed in limited areas locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Table Rock Stemmed type, which is associated with the Late Archaic Period.

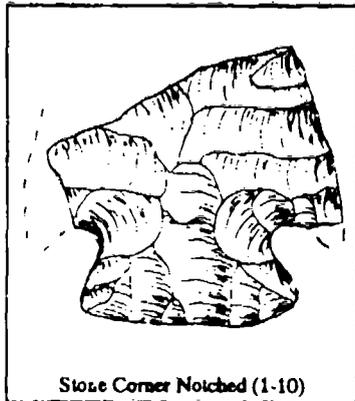
Artifact 1-6 is a flake scraper recovered from Surface Area B. Maximum dimensions are 7.0 cm x 6.0 cm x 1.6 cm and it weighs 71.0 g. The raw material is an unidentified medium and dark gray chert (Sedalia). Microscopic examination revealed wear resulting from scraping wet hide. This is a large decortication flake that has been unifacially beveled to form a scraping edge. The shape is typical of Woodland scrapers.

Artifact 1-7 is a bifacial knife recovered from Surface Area B. It is an expanding stem specimen with a pointed tip, a recurved blade, corner removed barbed shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 6.6 cm x 2.6 cm x 0.7 cm and it weighs 10.2 g. The stem is 1.2 cm long and comprises about 18% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Kings Corner Notched type, which is associated with the Late Archaic Period.

Artifact 1-8 is a bifacial knife distal recovered from Surface Area B. It is an missing stem specimen with a pointed tip, a recurved blade, corner notches, sloping shoulders and a missing base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.4 cm x 1.8 cm x 0.6 cm and it weighs 4.2 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and is an unclassified type not associated with a specific cultural period.



Artifact 1-9 is a bifacial knife recovered from Surface Area B. It is an expanding stem specimen with a missing tip, an asymmetrical blade, corner notches, square shoulders and a convex base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 4.8 cm x 3.0 cm x 0.8 cm and it weighs 11.0 g. The stem measures 1.4 cm x 2.7 cm and comprises about 29% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Big Creek type, which is associated with the Late Archaic Period.

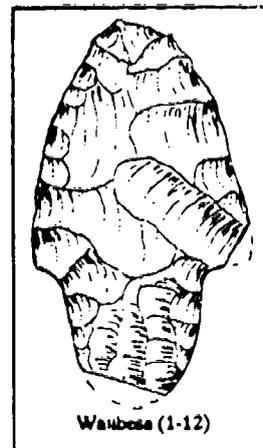


Artifact 1-10 is a bifacial knife proximal recovered from Surface Area B. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.8 cm x 3.9 cm x 0.8 cm and it weighs 11.3 g. The stem measures 1.3 cm x 2.7 cm and comprises about 4% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.

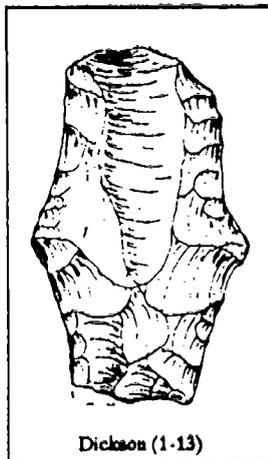
Artifact 1-11 is a bifacial knife midsection recovered from Surface Area B. It is an missing stem specimen with a missing tip, a damaged blade, basal notches, barbed shoulders and a missing base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.7 cm x 2.8 cm x 0.4 cm and it weighs 3.4 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type that may be associated with the Woodland Period.

Artifact 1-12 is a bifacial knife recovered from Surface Area B. It is a contracting stem specimen with a missing tip, an excurvate blade, no notches, sloping shoulders and a

convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 5.0 cm x 2.8 cm x 0.7 cm and it weighs 9.4 g. The stem measures 1.7 cm x 1.8 cm and comprises about 34% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Waubesa type, which is associated with the Woodland Period.



Waubesa (1-12)



Dickson (1-13)

Artifact 1-13 is a projectile point/knife recovered from Surface Area B. It is a contracting stem specimen with a missing tip, an incurvate blade, no notches, sloping shoulders and a concave base. The cross section is biconvex with edge abrading on the stem and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 4.9 cm x 2.9 cm x 0.7 cm and it weighs 11.3 g. The stem measures 2.0 cm x 2.4 cm and comprises about 41% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is exhausted and most closely resembles the Dickson

type, which is associated with the Woodland Period. This originally was a broad bladed Dickson point. It was resharpened much, removing most of the shoulders. After the size was reduced greatly, it was used as a dart point, as evidenced by impact fractures on both faces.

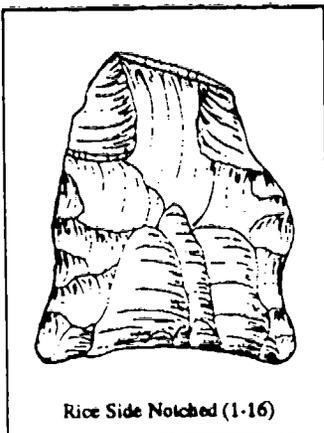
Artifact 1-14 is a stemmed biface proximal recovered from Surface Area B. It is a contracting stem specimen with a missing tip, a damaged blade, no notches, damaged shoulders and a concave base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 4.2 cm x 2.4 cm x 0.6 cm and it weighs 6.5 g. The stem measures 1.8 cm x 2.1 cm and comprises about 43% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is exhausted and most closely resembles the Dickson type, which is associated with the Woodland Period.

Artifact 1-15 is a stemmed biface proximal recovered from Surface Area B. It is a contracting stem specimen with a missing tip, a damaged blade, no notches, sloping shoulders and a straight base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 3.1 cm x 2.7 cm x 0.7 cm and it weighs 5.7 g. The stem measures 1.4 cm x 1.9 cm and comprises about 45% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found



Langry (1-15)

locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Langtry type, which is associated with the Late Archaic through Woodland periods.



Rice Side Notched (1-16)

Artifact 1-16 is a bifacial knife recovered from Surface Area B. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, no shoulders and a concave base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 3.9 cm x 3.5 cm x 0.9 cm and it weighs 2.9 g. The stem measures 1.5 cm x 3.4 cm and comprises about 38% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is exhausted and most closely resembles the Rice Side Notched type, which is associated with the Woodland Period.

Artifact 1-17 is a stemmed biface proximal recovered from Surface Area B. It is an expanding stem specimen with a missing tip and blade, side notches, sloping shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.5 cm x 2.6 cm x 0.8 cm and it weighs 6.5 g. The stem measures 1.3 cm x 2.7 cm and comprises about 52% of the total length of the specimen. The raw material is heat-treated Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed no evidence of use-wear. This specimen is resharpened and most closely resembles the Rice Side Notched type, which is associated with the Woodland Period.

Artifact 1-18 is a bifacial drill proximal recovered from Surface Area B. It is an unstemmed specimen with a missing tip, no notches, no shoulders and a convex base. The blade is parallel-edged at the break and expands to a convex base below it. The cross section is diamond-shaped with no edge abrading and no beveling. Maximum dimensions are 3.8 cm x 3.1 cm x 0.8 cm and it weighs 8.9 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from perforating. This specimen is an unclassified type that may be associated with the Woodland Period.



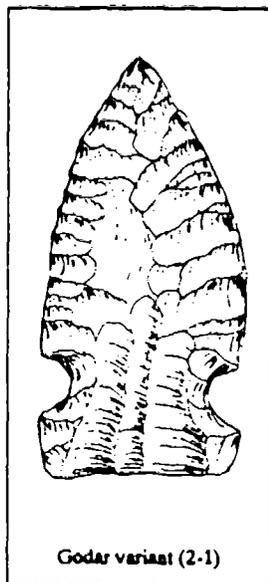
Bifacial drill (1-18)

Artifacts cataloged as 1-20 include two bifacial knife midsections recovered from Surface Area B. They are unstemmed specimens with missing tips, damaged blades, no notches, no shoulders and a missing bases. The cross sections are irregular with no edge abrading and no beveling. Together, they weigh 17.3 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting

from cutting meat with bone contact. These specimens are an unclassified type not associated with a specific cultural period.

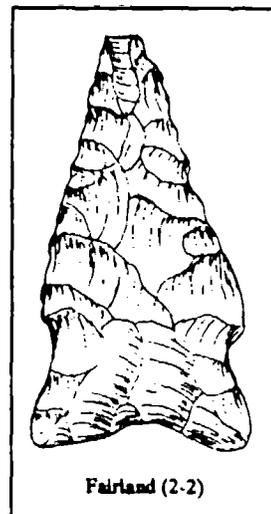
Artifact 1-21 is a projectile point/knife tip recovered from Surface Area B. It has a missing tip, a damaged blade, no notches, no shoulders and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 3.3 cm x 1.9 cm x 0.8 cm and it weighs 5.1 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This is an unclassified specimen, which is not associated with a specific cultural period.

Artifact 1-22 is a bifacial knife/scrapper distal recovered from Surface Area B. It is an unstemmed specimen with a missing tip, a damaged blade, no notches, no shoulders and a missing base. The cross section is plano-convex with no edge abrading and no beveling. Maximum dimensions are 6.8 cm x 4.5 cm x 0.9 cm and it weighs 26.7 g. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact and from scraping wet hide. This specimen is an unclassified type not associated with a specific cultural period.

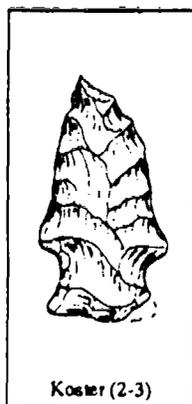


Artifact 2-1 is a bifacial knife recovered from Surface Area A. It is an expanding stem specimen with a pointed tip, an excurvate blade, side notches, square shoulders and a straight base. The cross section is biconvex with edge abrading on the base and stem and no beveling. Maximum dimensions are 5.5 cm x 2.7 cm x 0.8 cm and it weighs 12.3 g. The stem measures 1.3 cm x 2.6 cm and comprises about 24% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This biface resembles both the Middle Archaic White River and the Late Archaic Godar. However, the base is not concave as in the White River. The resharpening style is typical of the Late Archaic (sloping downward). The specimen seems to be an early example of the Godar type.

Artifact 2-2 is a bifacial knife recovered from Surface Area A. It is an expanding stem specimen with a pointed tip, a straight blade, side notches, sloping shoulders and a concave base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 5.4 cm x 2.8 cm x 0.8 cm and it weighs 11.2 g. The stem measures 1.6 cm x 2.8 cm and comprises about 30% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally.



Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Fairland type, which is associated with the Late Archaic Period.



Artifact 2-3 is an arrow point recovered from Surface Area A. It is an expanding stem specimen with a missing tip, a straight blade, side notches, square shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 3.2 cm x 1.7 cm x 0.6 cm and it weighs 2.8 g. The stem is 0.9 cm long and comprises about 28% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Koster type, which is associated with the Late Woodland Period.

Artifacts cataloged as 2-5 include two bifacial knife midsections recovered from Surface Area A. They are unstemmed specimens with missing tips, damaged blades, no notches, no shoulders and missing bases. The cross sections are irregular with no edge abrading and no beveling. Together, they weigh 6.7 g. The raw materials are Jefferson City and heat-treated Burlington chert, both of which are found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. These specimens are an unclassified type not associated with a specific cultural period.

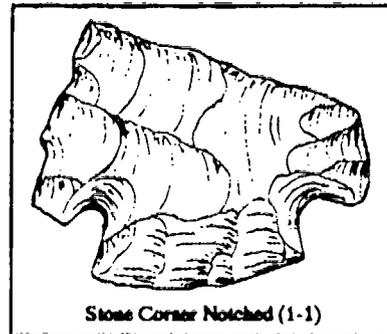
Artifact 2-6 is a bifacial drill proximal recovered from Surface Area A. It is an expanding stem specimen with a missing tip and blade, no notches, no shoulders and a convex base. The cross section is biconvex with edge abrading on the base and no beveling. Maximum dimensions are 2.1 cm x 2.6 cm x 0.7 cm and it weighs 4.2 g. The stem measures 2.1 cm x 2.6 cm and comprises about 100% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type that may be associated with the Woodland Period.

### 23PO361

23PO361 is a prehistoric habitation exhibiting evidence of Late Archaic and Early to Late Woodland Period occupations. It was recorded in 1984 by Prewitt and Associates investigators and visited by Howard Wimmer in 1989 when he collected 16 artifacts weighing 442.3 g. These included 1 flat abrader (275.5 g), 1 arrow point (0.2 g), 2 stemmed biface fragment (7.1 g), 4 bifacial knife fragments (32.5 g), 1 bifacial knife (3.6 g) and 7 preform fragments (123.4 g).

Artifact 1-1 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions

are 3.4 cm x 4.3 cm x 0.7 cm and it weighs 10.5 g. The stem measures 1.1 cm x 2.8 cm and comprises about 32% of the total length of the specimen. The raw material is Keokuk chert, which is abundant further south but may be available locally in highly restricted areas. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is a variant of the Stone Corner Notched type, which is associated with the Late Archaic Period.



Stone Corner Notched (1-1)

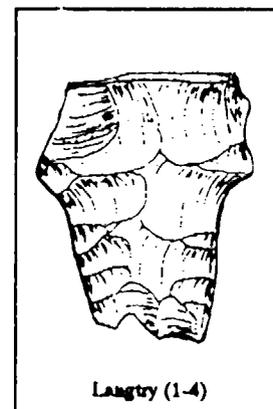
Artifact 1-2 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.2 cm x 3.6 cm x 0.9 cm and it weighs 15.3 g. The stem measures 2.6 cm x 3.0 cm and comprises about 62% of the total length of the specimen. The raw material is an unidentified chert that is not found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Big Creek type, which is associated with the Late Archaic Period.



Bifacial knife (1-3)

Artifact 1-3 is a bifacial knife. It is an expanding stem specimen with a pointed tip, an excurvate blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.7 cm x 2.4 cm x 0.6 cm and it weighs 3.6 g. The stem measures 0.7 cm x 2.0 cm and comprises about 26% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type, which is associated with the Woodland Period.

Artifact 1-4 is a stemmed biface proximal. It is a contracting stem specimen with a missing tip and blade, no notches, sloping shoulders and a missing base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.4 cm x 2.7 cm x 0.5 cm and it weighs 5.7 g. The stem measures 2.0 cm x 2.0 cm and comprises about 59% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Langtry type, which is associated with the Late Archaic through Woodland periods.



Langtry (1-4)

Artifact 1-5 is an arrow point. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, square shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.3 cm x 0.9



cm x 0.2 cm and it weighs 0.2 g. The stem measures 0.5 cm x 0.9 cm and comprises about 38% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Keota type, which is associated with the Mississippi Period.

Artifact 1-6 is a stemmed biface proximal. It is an expanding stem corner removed specimen with a missing tip and blade, missing shoulders and a straight base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 1.9 cm x 1.4 cm x 0.5 cm and it weighs 1.4 g. The stem measures 0.9 cm x 1.4 cm and comprises about 47% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is a variant of the Table Rock Stemmed type, which is associated with the Late Archaic Period.

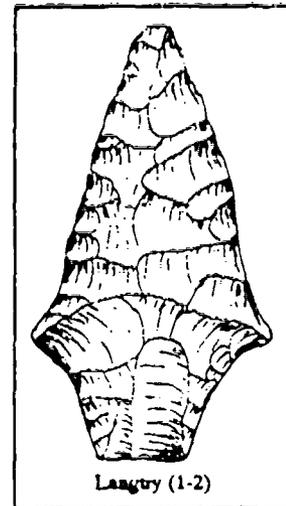
Artifacts cataloged as 1-7 include two bifacial knife midsections. These are unstemmed specimens with missing tips, damaged blades, no notches, no shoulders and missing bases. The cross sections are irregular with no edge abrading and no beveling. Together, they weigh 6.7 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. These specimens are of an unclassified type not associated with a specific cultural period.

### 23PO366

23PO366 is a prehistoric and historic habitation exhibiting evidence of Middle to Late Archaic, Middle to Late Woodland, Mississippi and Historic Period occupations. It was recorded in 1984 by Prewitt and Associates investigators and visited by Howard Wimmer that same year when he collected 63 artifacts weighing 1,790.7 g. These included 1 flat abrader (547.6 g), 1 adze (109.9 g), 4 arrow point fragments (2.2 g), 2 arrow points (1.0 g), 4 biface fragments (19.0 g), 4 stemmed biface fragments (9.7 g), 1 tested cobble (64.0 g), 1 core (131.5 g), 1 dart point fragment (2.0 g), 11 bifacial knife fragments (101.5 g), 10 bifacial knives (206.3 g), 1 square nail (9.3 g), 17 preform fragments (308.3 g), 2 preform s(186.1 g), 1 aborted preform fragment (66.3 g), 1 projectile point/knife (19.0 g) and 1 bifacial end scraper fragment (7.0 g).

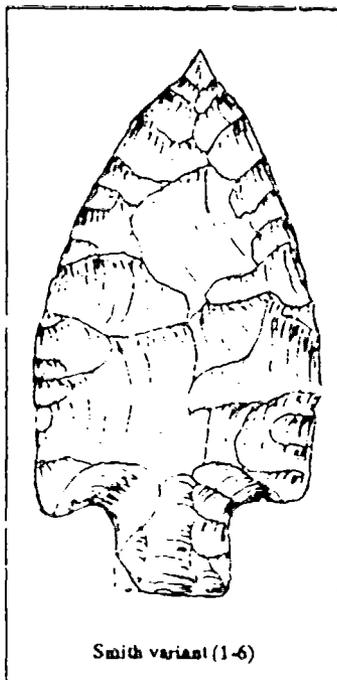
Artifact 1-1 is a bifacial. It is an expanding stem corner removed specimen with a missing tip, a damaged blade, square shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 5.4 cm x 3.1 cm x 0.7 cm and it weighs 11.5 g. The stem measures 1.5 cm x 2.3 cm and comprises about 28% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period. This biface resembles the Hardin point in shape, but does not have the typical workmanship and stem grinding.

Artifact 1-2 is a bifacial knife. It is a contracting stem corner removed specimen with a pointed tip, a recurved blade, sloping shoulders and a straight base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 5.7 cm x 2.9 cm x 0.5 cm and it weighs 7.6 g. The stem measures 1.5 cm x 2.1 cm and comprises about 26% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Langtry type, which is associated with the Late Archaic through Woodland periods.



Langtry (1-2)

Artifacts cataloged as 1-4 include seven bifacial knife midsections. These are unstemmed specimens with missing tips, damaged blades, no notches, no shoulders and missing bases. The cross sections are irregular with no edge abrading and no beveling. Together, they weigh 65.5 g. The raw materials include Jefferson City and heat-treated Burlington cherts, which are found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. These are of an unclassified type not associated with a specific cultural period.

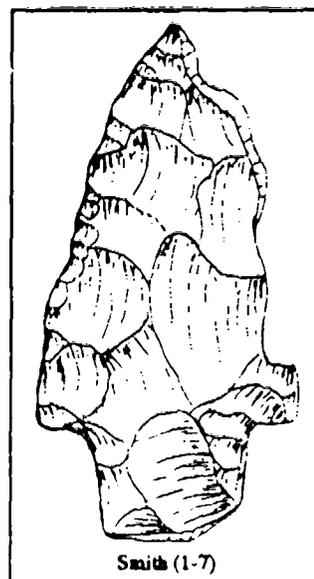


Smith variant (1-6)

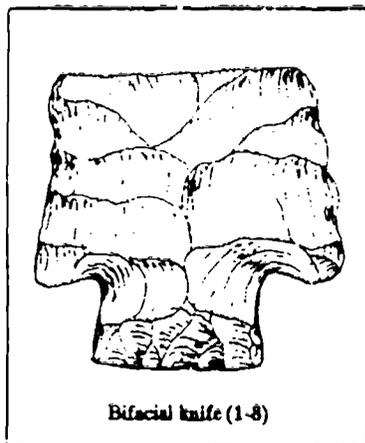
Artifact 1-6 is a bifacial knife. It is a parallel stem specimen with a pointed tip, an excurvate blade, corner removed barbed shoulders and a convex base. The cross section is irregular with no edge abrading and beveling on the left edge of the blade. Maximum dimensions are 7.2 cm x 3.7 cm x 0.7 cm and it weighs 20.8 g. The stem measures 1.3 cm x 1.6 cm and comprises about 18% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is a variant of the Smith type, which is associated with the Late Archaic Period. The stem is smaller and narrower than is typical for the type and a left bevel on the blade, possibly due to being made from a thick and crooked flake, is unusual for. It may also be a reworked Big Creek point with tangs damaged and reworked to a parallel stemmed biface since the blade is suggestive of those found on Big Creek points.

Artifact 1-7 is a projectile point/knife. It is a parallel stem corner removed specimen with a missing tip, a damaged blade, square shoulders and a damaged base. The cross section is biconvex with edge abrading on the stem and no beveling. The tip and one

edge have been carried away by an impact fracture. Maximum dimensions are 6.5 cm x 3.4 cm x 0.9 cm and it weighs 19.0 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact and from sawing bone or antler. This specimen is resharpened and most closely resembles the Smith type, which is associated with the Late Archaic Period. It probably was used as a dart point after resharpening reduced it in size.



Smith (1-7)



Bifacial knife (1-8)

Artifact 1-8 is a bifacial knife. It is an expanding stem corner removed specimen with a missing tip, a damaged blade, barbed shoulders and a straight base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 3.9 cm x 4.1 cm x 0.5 cm and it weighs 8.9 g. The stem measures 1.2 cm x 2.4 cm and comprises about 31% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear

resulting from cutting meat without bone contact. This specimen is an unclassified type, which is associated with the Late Archaic Period.

Artifact 1-9 is a bifacial knife. It is an expanding stem corner removed specimen with a missing tip, a damaged blade, barbed shoulders and a straight base. The cross section is biconvex with edge abrading on the base and no beveling. Maximum dimensions are 5.8 cm x 3.5 cm x 1.0 cm and it weighs 20.1 g. The stem measures 1.0 cm x 2.2 cm and comprises about 17% of the total length of the specimen. The raw material is heat-treated Jefferson City quartzite, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and is an unclassified type probably associated with the Middle Archaic Period.

Artifact 1-10 is a bifacial knife. It is an expanding stem corner removed specimen with a pointed tip, an asymmetrical blade, square shoulders and a straight base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 5.1 cm x 2.2 cm x 0.7 cm and it weighs 7.6 g. The stem measures 1.0 cm x 2.1 cm and comprises about 20% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is resharpened and most closely resembles the Steuben type, which is associated with the Woodland Period.



Steuben (1-10)

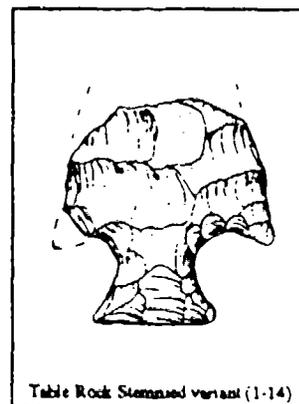
Artifact 1-11 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, corner removed barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.8 cm x 3.4 cm x 0.8 cm and it weighs 11.3 g. The stem measures 1.4 cm x 2.4 cm and comprises about 37% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.



Artifact 1-12 is a bifacial knife. It is an expanding stem corner removed specimen with a missing tip, a damaged blade, barbed shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.3 cm x 2.1 cm x 0.6 cm and it weighs 4.6 g. The stem is 0.9 cm long and comprises about 27% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Kings Corner Notched type, which is associated with the Late Archaic Period.

Artifact 1-13 is a dart point proximal. It is an expanding stem corner removed specimen with a missing tip, a damaged blade, square shoulders and a straight base. The cross section is biconvex with edge abrading on the stem and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 2.0 cm x 2.2 cm x 0.5 cm and it weighs 2.0 g. The stem measures 0.8 cm x 1.2 cm and comprises about 40% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is exhausted and is a variant of the Table Rock Stemmed type, which is associated with the Late Archaic Period.

Artifact 1-14 is a bifacial knife proximal. It is an expanding stem corner removed specimen with a missing tip and blade, square shoulders and a straight base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 2.9 cm x 2.7 cm x 0.7 cm and it weighs 5.5 g. The stem measures 1.0 cm x 1.4 cm and comprises about 34% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is a variant of the Table Rock Stemmed type, which is associated with the Late Archaic Period.



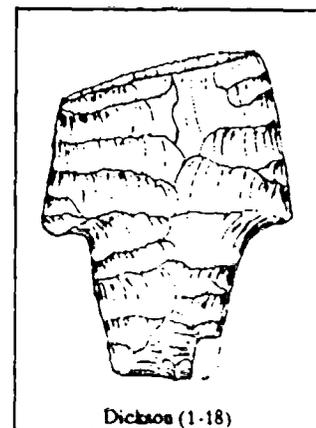
Artifact 1-15 is a stemmed biface proximal. It is an expanding stem corner removed specimen with a missing tip and blade, square shoulders and a damaged base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 1.8 cm x 1.9 cm x 0.6 cm and it weighs 2.9 g. The stem measures 0.9 cm x 1.2 cm and comprises about 50% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is a variant of the Table Rock Stemmed type, which is associated with the Late Archaic Period.

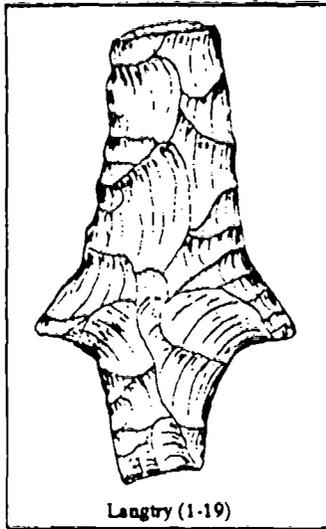
Artifact 1-16 is a bifacial knife. It is a contracting stem corner removed specimen with a missing tip, a damaged blade, sloping shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.4 cm x 3.1 cm x 0.6 cm and it weighs 6.6 g. The stem measures 1.6 cm x 2.0 cm and comprises about 47% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is resharpened and most closely resembles the Langtry type, which is associated with the Late Archaic through Woodland periods.



Artifact 1-17 is a bifacial knife proximal. It is a contracting corner removed stem specimen with a missing tip, a damaged blade, sloping shoulders and a concave base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 3.0 cm x 3.2 cm x 0.8 cm and it weighs 6.6 g. The stem measures 1.5 cm x 1.9 cm and comprises about 50% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Langtry type, which is associated with the Late Archaic through Woodland periods.

Artifact 1-18 is a bifacial knife. It is a contracting stem corner removed specimen with a missing tip, a damaged blade, square shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.9 cm x 3.3 cm x 0.6 cm and it weighs 8.9 g. The stem measures 1.7 cm x 2.1 cm and comprises about 44% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen most closely resembles the Dickson type, which is associated with the Woodland Period.





Artifact 1-19 is a bifacial knife proximal. It is a contracting stem corner removed specimen with a missing tip, an incurvate blade, sloping shoulders and a straight base. The cross section is diamond-shaped with edge abrading on the stem and no beveling. Maximum dimensions are 5.9 cm x 3.6 cm x 0.9 cm and it weighs 12.6 g. The stem measures 1.7 cm x 1.8 cm and comprises about 29% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Langtry type, which is associated with the Late Archaic through Woodland periods.

Artifact 1-20 is an arrow point. It is an expanding stem specimen with a pointed tip, a straight blade, side notches, sloping shoulders and a convex base. The cross section is diamond-shaped with no edge abrading and no beveling. Maximum dimensions are 2.4 cm x 1.0 cm x 0.4 cm and it weighs 0.5 g. The stem measures 0.6 cm x 0.8 cm and comprises about 25% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Scallorn type, which is associated with the Late Woodland through Mississippi periods.



Artifact 1-21 is an arrow point. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 1.9 cm x 1.1 cm x 0.4 cm and it weighs 0.5 g. The stem measures 0.6 cm x 0.9 cm and comprises about 32% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is exhausted and most closely resembles the Scallorn type, which is associated with the Late Woodland through Mississippi periods.



Artifact 1-22 is an arrow point proximal. It is an expanding stem specimen with a missing tip, a serrated blade, corner removed square shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.8 cm x 1.3 cm x 0.3 cm and it weighs 0.5 g. The stem measures 0.6 cm x 0.8 cm and comprises about 33% of the total length of the specimen. The raw material is heat-treated Keokuk chert, which is abundant further south but may be available locally in highly restricted areas. Microscopic examination revealed no evidence of use-wear. This

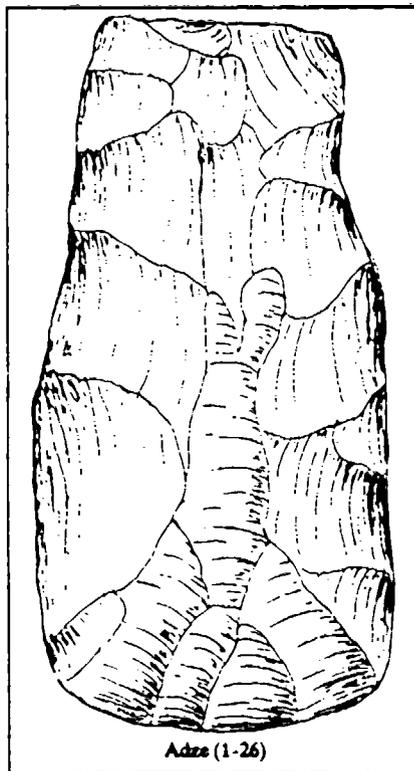
specimen most closely resembles the Sequoyah type, which is associated with the Mississippi Period.

Artifact 1-23 is an arrow point proximal. It is an expanding stem corner removed specimen with a missing tip, a damaged blade, square shoulders and a recurved base. The cross section is plano-convex with no edge abrading and unifacial beveling. It was broken by heat, as evidenced by a potlid fracture. Maximum dimensions are 2.0 cm x 1.2 cm x 0.4 cm and it weighs 0.6 g. The stem measures 0.8 cm x 1.0 cm and comprises about 40% of the total length of the specimen. The raw material is heat-treated Keokuk chert, which is abundant further south but may be available locally in highly restricted areas. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Sallisaw type, which is associated with the Mississippi Period.



Artifact 1-24 is an arrow point distal fragment. It has a missing tip, a damaged blade, no notches, no shoulders and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.6 cm x 1.1 cm x 0.3 cm and it weighs 0.2 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type probably associated with the Mississippi Period.

Artifact 1-25 is an arrow point midsection. It has a missing tip, a damaged blade, no notches, no shoulders and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.5 cm x 1.5 cm x 0.3 cm and it weighs 0.9 g. The raw material is Keokuk chert, which is abundant further south but may be available locally in highly restricted areas. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type not associated with a specific cultural period.



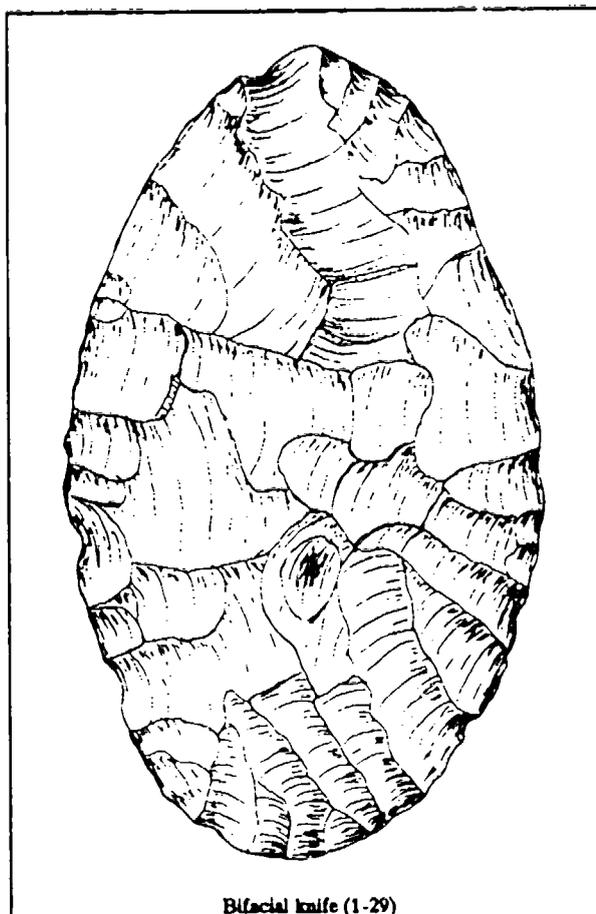
Artifact 1-26 is an elongated rectangular adze. It is a parallel stem specimen with a slight taper toward the poll end, a rounded tip, an excurvate blade, no notches, no shoulders and a convex base. The cross section is plano-convex with edge abrading on the stem and unifacial beveling. Maximum dimensions are 9.2 cm x 4.7 cm x 2.0 cm and it weighs 109.9 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting wood. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-28 is a bifacial end scraper proximal. It is an unstemmed specimen with a missing tip, an excurvate blade, no notches, no shoulders and a convex base. The cross section is plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 2.1 cm x 3.3 cm x 0.8 cm and it weighs 7.0 g. The raw material is heat-treated Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from scraping wet hide. This specimen is an unclassified type that may be associated with the Mississippi Period.

Artifact 1-29 is a bifacial knife. It is an unstemmed specimen with a rounded tip, an excurvate blade, no notches, no shoulders and a convex base. The cross section is plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 10.6 cm x 6.1 cm x 1.6 cm and it weighs 109.7 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifacts cataloged as 1-30 include two stemmed biface proximals. Both have expanding stems with missing tips and blades, corner notches, barbed shoulders and damaged bases. The cross section is irregular with no edge abrading and no beveling. Together, they weigh 5.2 g. The raw material is heat-treated Jefferson City and heat-treated Burlington cherts, which are found locally. Microscopic examination revealed no evidence of use-wear. These are of an unclassified type possibly associated with the Late Archaic Period.

Artifact 1-31 is a stemmed biface proximal. It is a contracting stem corner removed specimen with a missing tip and blade, no shoulders and a straight base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 12.6 cm x 1.7 cm x 0.5 cm and it weighs 1.6 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Langtry type, which is associated with the Late Archaic through Woodland periods.

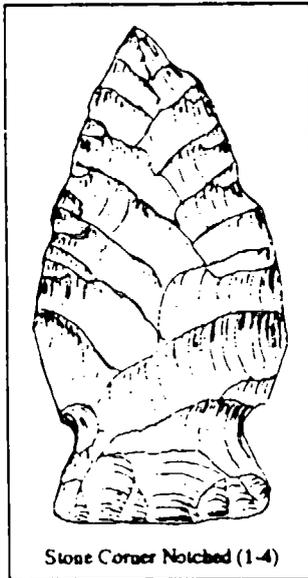


## 23PO370

23PO370 is a prehistoric habitation exhibiting evidence of Middle to Late Archaic, Middle to Late Woodland and Mississippi Period occupations. It was recorded by Howard Wimmer in 1984 when he collected 110 artifacts weighing 1,128.7 g. These included 6 arrow point fragments (3.4 g), 18 arrow points (12.1 g), 3 stemmed biface fragments (18.0 g), 1 unstemmed biface fragment (4.6 g), 2 dart point fragments (12.8 g), 1 dart point (2.7 g), 1 bifacial drill (4.8 g), 1 hammerstone (117.1 g), 26 bifacial knife fragments (164.5 g), 12 bifacial knives (111.0 g), 1 knife/scrapper (12.9 g), 27 preform fragments (432.8 g), 6 preforms (66.4 g), 1 projectile point/knife (7.3 g), 2 bifacial side scraper fragments (67.6 g), 1 bifacial side scraper (41.2 g) and 1 flake scraper fragment (49.5 g).

Artifacts cataloged as 1-2 include nine bifacial knife midsections. These are unstemmed with missing tips, damaged blades, no notches, no shoulders and missing bases. The cross sections are irregular with no edge abrading and no beveling. Together, they weigh 34.4 g. The raw material is Burlington chert - both plain and heat-treated - and an unidentified chert. Microscopic examination revealed wear resulting from cutting meat with bone contact. These specimens are of an unclassified type not associated with a specific cultural period.

Artifacts cataloged as 1-3 include 11 bifacial knife midsections. These are unstemmed specimens with missing tips, damaged blades, no notches, no shoulders and missing bases. The cross sections are irregular with no edge abrading and no beveling. Together, they weigh 81.6 g. The raw material include Jefferson City, heat-treated Pierson and both plain and heat-treated Burlington chert. Microscopic examination revealed wear resulting from cutting meat with bone contact. These specimens are of an unclassified type not associated with a specific cultural period.



Artifact 1-4 is a bifacial knife. It is an expanding stem corner removed specimen with a pointed tip, an excurvate blade, reworked shoulders and a straight base. The cross section is lenticular with no edge abrading and beveling on the left edge of the blade. Maximum dimensions are 6.5 cm x 3.3 cm x 0.8 cm and it weighs 18.1 g. The stem measures 1.5 cm x 3.0 cm and comprises about 23% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is resharpened and most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.

Artifact 1-5 is a bifacial knife. It is a contracting stem specimen with a missing tip, an excurved blade, corner removed square shoulders and a concave base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 6.0 cm x 3.7 cm x 0.8 cm and it weighs 16.6 g. The stem measures 1.9 cm x 2.2 cm and comprises about 32% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is resharpened and most closely resembles the Dickson type, which is associated with the Woodland Period.



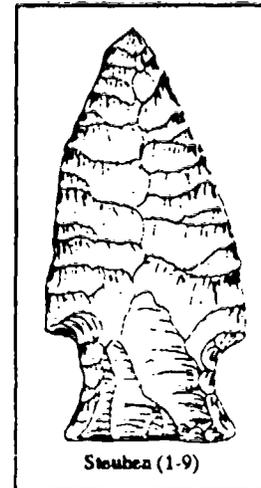
Artifact 1-6 is a projectile point/knife. It is a contracting stem specimen with a missing tip, a damaged blade, corner removed missing shoulders and a straight base. The cross section is biconvex with edge abrading on the stem and no beveling. The tip has been carries away by an impact fracture. Maximum dimensions are 4.6 cm x 2.7 cm x 0.6 cm and it weighs 7.3 g. The stem measures 2.1 cm x 2.3 cm and comprises about 46% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Dickson type, which is associated with the Woodland Period.

Artifact 1-7 is a bifacial knife proximal. It is a contracting stem specimen with a missing tip and blade, corner removed square shoulders and a concave base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 3.2 cm x 3.2 cm x 0.6 cm and it weighs 5.6 g. The stem measures 2.2 cm x 2.3 cm and comprises about 69% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed no evidence of use-wear. This specimen is resharpened and most closely resembles the Dickson type, which is associated with the Woodland Period.

Artifact 1-8 is a bifacial knife. It is a contracting stem corner removed specimen with a missing tip, a damaged blade, sloping shoulders and a concave base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 4.9 cm x 2.8 cm x 0.7 cm and it weighs 11.2 g. The stem measures 1.8 cm x 1.9 cm and comprises about 37% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type, which is associated with the Woodland Period. This distinctive biface type features

parallel sided to slightly contracting stems, usually ground or dulled. At Albertson this was a Woodland type used mostly as a dart point (Dickson 1991:94, Figure 58).

Artifact 1-9 is a bifacial knife. It is an expanding stem specimen with a pointed tip, an excurvate blade, side notches, sloping shoulders and a straight base. The cross section is biconvex with edge abrading on the notches and no beveling. Maximum dimensions are 5.4 cm x 2.6 cm x 0.5 cm and it weighs 8.2 g. The stem measures 1.4 cm x 2.2 cm and comprises about 26% of the total length of the specimen. The raw material is heat-treated Keokuk chert, which is abundant further south but may be available locally in highly restricted areas. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Steuben type, which is associated with the Woodland Period.



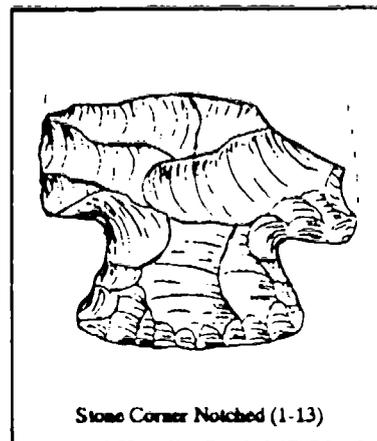
Artifact 1-10 is a bifacial knife. It is a corner removed contracting stem specimen with a missing tip, a damaged blade, sloping shoulders and a convex base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 4.1 cm x 3.3 cm x 0.7 cm and it weighs 9.4 g. The stem measures 1.8 cm x 2.2 cm and comprises about 44% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Waubesa type, which is associated with the Woodland Period.

Artifact 1-11 is a bifacial knife. It is an expanding stem specimen with a rounded tip, an asymmetrical blade, side notches, sloping shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 5.6 cm x 2.7 cm x 0.8 cm and it weighs 10.0 g. The stem measures 1.1 cm x 2.7 cm and comprises about 20% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting and scraping wood. The concave area on one side seems to have been used as a spokeshave on wood, while the excurvate side seems to have been used to scrape wood, since the microbreakage is unifacial. This specimen is an unclassified type that may be associated with the Woodland Period. The V-shaped side notches are unusual. Otherwise it resembles the Steuben type

Artifact 1-12 is a bifacial knife proximal. It is an expanding stem corner removed specimen with a missing tip, a damaged blade, barbed shoulders and a convex base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 5.3 cm x 3.7 cm x 0.6 cm and it weighs 11.1 g. The stem measures 1.2 cm

x 2.3 cm and comprises about 23% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is a variant of the Stone Corner Notched type, which is associated with the Late Archaic Period.

Artifact 1-13 is a stemmed biface proximal. It is an expanding stem corner removed specimen with a missing tip and blade, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.2 cm x 4.2 cm x 0.8 cm and it weighs 10.8 g. The stem measures 1.5 cm x 2.8 cm and comprises about 47% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.



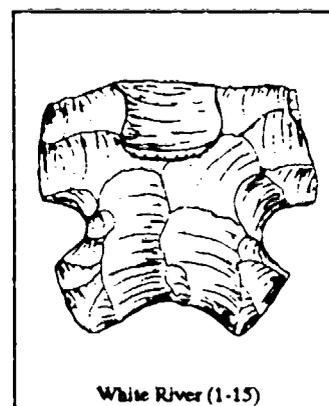
Stone Corner Notched (1-13)



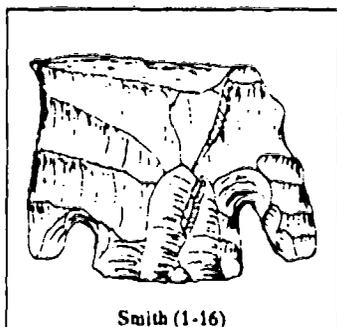
Copena (1-14)

Artifact 1-14 is an unstemmed biface proximal. It is an unstemmed specimen with a missing tip and blade, no notches, no shoulders and a concave base. The cross section is plano-convex with no edge abrading and no beveling. Maximum dimensions are 2.4 cm x 2.7 cm x 0.6 cm and it weighs 4.6 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Copena type, which is associated with the Woodland Period.

Artifact 1-15 is a dart point stem. It is an expanding stem specimen with a missing tip and blade, side notches, square shoulders and a concave base. The cross section is biconvex with edge abrading on the stem and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 3.3 cm x 3.5 cm x 0.9 cm and it weighs 10.0 g. The stem measures 1.5 cm x 3.0 cm and comprises about 45% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the White River type, which is associated with the Middle Archaic Period. The stem expands due to side notches, but then contracts immediately below the notch, as is typical with many White River bifaces. There are almost burin-like breaks on both sides where the broken blade and margin join and one shows some signs that a soft material was worked. It seems probable that the damage was caused by impact, however.



White River (1-15)



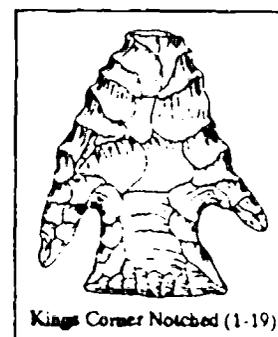
Artifact 1-16 is a bifacial knife proximal. It is a parallel stem specimen with a missing tip, a damaged blade, shallow basal notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.9 cm x 3.7 cm x 0.7 cm and it weighs 7.4 g. The stem measures 1.0 cm x 2.0 cm and comprises about 34% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is a variant of the Smith type, which is associated with the Late Archaic Period.

Artifact 1-17 is a dart point stem. It is an expanding stem corner removed specimen with a missing tip and blade, square shoulders and a straight base. The cross section is biconvex with edge abrading on the base and stem and no beveling. The tip and much of the blade have been carried away by an impact fracture. Maximum dimensions are 2.6 cm x 2.3 cm x 0.5 cm and it weighs 2.8 g. The stem measures 1.1 cm x 1.4 cm and comprises about 42% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Table Rock Stemmed type, which is associated with the Late Archaic Period.



Artifact 1-18 is a bifacial knife. It is a parallel stem specimen with a pointed tip, a recurved blade, side notches, sloping shoulders and a straight base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 5.7 cm x 2.2 cm x 0.6 cm and it weighs 7.1 g. The stem measures 1.1 cm x 1.5 cm and comprises about 19% of the total length of the specimen. The raw material is unidentified chert, which is not found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is a variant of the Table Rock Stemmed type, which is associated with the Late Archaic Period. The blade is unusually long for the type and the needle-like tip is similar to what is often seen on Lange or Big Creek points. The chert is not recognized, but could be from the Sedalia formation.

Artifact 1-19 is a bifacial knife. It is an expanding stem specimen with a missing tip, an asymmetrical blade, corner notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.4 cm x 2.9 cm x 0.6 cm and it weighs 4.4 g. The stem measures 1.1 cm x 1.9 cm and comprises about 32% of the



total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Kings Corner Notched type, which is associated with the Late Archaic through Woodland periods.



Artifact 1-20 is a bifacial knife. It is an expanding stem specimen with a missing tip, a straight blade, corner notches, barbed shoulders and a straight base. The cross section is biconvex with edge abrading on the base and no beveling. Maximum dimensions are 4.7 cm x 2.6 cm x 0.7 cm and it weighs 6.7 g. The stem measures 1.0 cm x 1.8 cm and comprises about 21% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Kings Corner Notched type, which is associated with the Late Archaic through Woodland periods.

Artifact 1-21 is a biface stem. It is an expanding stem specimen with a missing tip and blade, corner notches, missing shoulders and a straight base. The cross section is biconvex with edge abrading on the base and stem and no beveling. Maximum dimensions are 2.2 cm x 2.3 cm x 0.7 cm and it weighs 4.1 g. The stem measures 1.4 cm x 2.3 cm and comprises about 64% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Kings Corner Notched type, which is associated with the Late Archaic through Woodland periods.

Artifact 1-22 is a dart point. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 3.3 cm x 1.8 cm x 0.5 cm and it weighs 2.7 g. The stem is 0.8 cm long and comprises about 24% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Kings Corner Notched type, which is associated with the Late Archaic through Woodland periods. This biface is small enough to have been used for an arrow point, however the thickness and width of the stem suggest that it was a small dart point. Kings Corner Notched points are usually Late Archaic, but smaller ones seem to have survived into the Woodland. This example is probably Woodland.

Artifact 1-23 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, basal notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. The basal notches slope inward to form a short expanding stem. Maximum dimensions are 2.0 cm x 3.0 cm x 0.6 cm and it weighs 3.6 g. The stem measures 0.8 cm x 1.9 cm and comprises about 40% of

the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen resembles an unclassified distinctive basally (rarely corner) notched type with sweeping barbs usually associated with the Middle to Late Archaic Period.

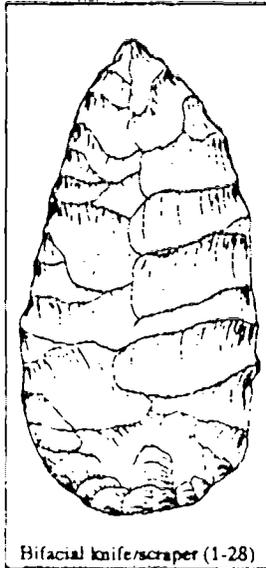
Artifact 1-24 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, basal notches, barbed shoulders and a concave base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.4 cm x 3.0 cm x 0.6 cm and it weighs 4.2 g. The stem measures 0.7 cm x 1.6 cm and comprises about 29% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen resembles an unclassified distinctive basally (rarely corner) notched type with sweeping barbs usually associated with the Middle to Late Archaic Period.



Artifact 1-25 is a stemmed biface proximal. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.6 cm x 2.5 cm x 0.5 cm and it weighs 3.1 g. The stem measures 0.7 cm x 2.0 cm and comprises about 27% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is exhausted and is an unclassified type possibly associated with the Late Archaic Period. This biface may be the same as specimens 1-23 and 1-24, but it is corner notched.

Artifact 1-26 is a bifacial knife. It is an expanding stem corner removed specimen with a rounded tip, a recurved blade, square shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.3 cm x 2.3 cm x 0.8 cm and it weighs 7.0 g. The raw material is heat-treated Pierson chert, which is abundant in the Branson area and may be exposed in limited areas locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and is a variant of the Stone Corner Notched type, which is associated with the Late Archaic Period.

Artifact 1-27 is a bifacial knife proximal. It is a contracting stem corner removed specimen with a missing tip, a damaged blade, sloping shoulders and a straight base. The cross section is plano-convex with no edge abrading and no beveling. Maximum dimensions are 4.2 cm x 3.3 cm x 0.6 cm and it weighs 7.2 g. The stem measures 0.9 cm x 2.0 cm and comprises about 21% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.



Bifacial knife/scrapper (1-28)

Artifact 1-28 is a bifacial knife/scrapper. It is an unstemmed specimen with a pointed tip, an excurvate blade, no notches, no shoulders and a convex base. The cross section is biconvex with no edge abrading and unifacial beveling. Maximum dimensions are 6.2 cm x 2.3 cm x 0.6 cm and it weighs 12.9 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact and from scraping wet hide. This specimen is an unclassified type that may be associated with the Woodland Period.

Artifact 1-29 is an arrow point. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.4 cm x 1.1 cm x 0.3 cm and it weighs 0.5 g. The stem measures 0.5 cm x 0.9 cm and comprises about 36% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Scallorn type, which is associated with the Late Woodland through Mississippi periods.

Artifact 1-30 is an arrow point. It is an expanding stem specimen with a pointed tip, a straight blade, corner notches, square shoulders and a convex base. The cross section is diamond-shaped with no edge abrading and no beveling. Maximum dimensions are 3.1 cm x 1.0 cm x 0.3 cm and it weighs 1.0 g. The stem measures 0.5 cm x 0.9 cm and comprises about 16% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Scallorn type, which is associated with the Late Woodland through Mississippi periods.



Scallorn (1-30)

Artifact 1-31 is an arrow point. It is an expanding stem corner removed specimen with a pointed tip, a missing blade, square shoulders and a straight base. The cross section is plano-convex with no edge abrading and no beveling. Maximum dimensions are 2.1 cm x 1.2 cm x 0.3 cm and it weighs 0.7 g. The stem measures 0.7 cm x 0.9 cm and comprises about 33% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Scallorn type, which is associated with the Late Woodland through Mississippi Period.

Artifact 1-32 is an arrow point. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.9 cm x 1.2 cm x 0.3 cm and it weighs 0.6 g. The stem measures 0.9 cm x 0.9 cm and comprises about 47% of the total length of the specimen. The raw material is heat-treated

Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Scallorn type, which is associated with the Late Woodland through Mississippi periods.

Artifact 1-33 is an arrow point. It is an expanding stem corner removed specimen with a missing tip, a damaged blade, missing shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.2 cm x 1.0 cm x 0.3 cm and it weighs 0.6 g. The stem measures 0.7 cm x 0.8 cm and comprises about 32% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Scallorn type, which is associated with the Late Woodland through Mississippi periods.

Artifact 1-34 is an arrow point. It is an expanding stem corner removed specimen with a pointed tip, an incurvate blade, square shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.7 cm x 1.2 cm x 0.4 cm and it weighs 0.6 g. The stem measures 0.7 cm x 0.7 cm and comprises about 41% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Scallorn type, which is associated with the Late Woodland through Mississippi periods.



Artifact 1-35 is an arrow point. It is an expanding stem specimen with a pointed tip, a straight blade, corner removed square shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.6 cm x 1.1 cm x 0.3 cm and it weighs 0.5 g. The stem measures 0.5 cm x 0.9 cm and comprises about 31% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is resharpened and most closely resembles the Scallorn type, which is associated with the Late Woodland through Mississippi periods.

Artifact 1-36 is an arrow point. It is an expanding stem corner removed specimen with a pointed tip, a straight blade, square shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.7 cm x 1.1 cm x 0.3 cm and it weighs 0.5 g. The stem measures 0.7 cm x 0.8 cm and comprises about 41% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is resharpened and most closely resembles the Scallorn type, which is associated with the Late Woodland through Mississippi Period.



Artifact 1-37 is an arrow point. It is an expanding stem specimen with a pointed tip, a serrated blade, corner notches, barbed shoulders and a straight base. The cross section is biconvex with edge abrading on the stem and 1 g. M. 1. 1.



dimensions are 1.6 cm x 1.0 cm x 0.3 cm and it weighs 0.4 g. The stem measures 0.5 cm x 0.8 cm and comprises about 31% of the total length of the specimen. The raw material is Keokuk chert, which is abundant further south but may be available locally in highly restricted areas. Microscopic examination revealed no evidence of use-wear. This specimen is resharpened and most closely resembles the Scallorn type, which is associated with the Late Woodland through Mississippi periods.

Artifact 1-38 is an arrow point. It is an expanding stem corner removed specimen with a pointed tip, a straight blade, missing shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.2 cm x 0.9 cm x 0.3 cm and it weighs 0.5 g. The stem measures 0.6 cm x 0.8 cm and comprises about 27% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Scallorn type, which is associated with the Late Woodland through Mississippi periods.

Artifact 1-39 is an arrow point. It is an expanding stem specimen with a pointed tip, a serrated blade, corner notches, damaged shoulders and a convex base. The cross section is plano-convex with no edge abrading and no beveling. Maximum dimensions are 2.2 cm x 1.0 cm x 0.3 cm and it weighs 0.6 g. The stem measures 0.6 cm x 1.0 cm and comprises about 27% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Sequoyah type, which is associated with the Mississippi Period.



Artifact 1-40 is an arrow point. It is an expanding stem specimen with a missing tip and blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.4 cm x 0.8 cm x 0.3 cm and it weighs 0.4 g. The stem measures 0.6 cm x 0.8 cm and comprises about 43% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Sequoyah type, which is associated with the Mississippi Period.

Artifact 1-41 is an arrow point. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, square shoulders and a concave base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.4 cm x 1.1 cm x 0.2 cm and it weighs 0.5 g. The stem measures 0.5 cm x 0.9 cm and comprises about 36% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Haskell type, which is associated with the Mississippi Period.



Artifact 1-42 is an arrow point. It is an expanding stem specimen with a pointed tip, an incurvate blade, corner notches, square shoulders and a concave base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.5 cm x 1.0 cm x 0.3 cm and it weighs 0.5 g. The stem measures 0.6 cm x 1.0 cm and comprises about 40% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is resharpened and most closely resembles the Haskell type, which is associated with the Mississippi Period.

Artifact 1-43 is an arrow point. It is an expanding stem specimen with a pointed tip, a serrated blade, corner notches, barbed shoulders and a concave base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.2 cm x 1.1 cm x 0.4 cm and it weighs 0.6 g. The stem measures 0.5 cm x 0.7 cm and comprises about 23% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Sallisaw type, which is associated with the Mississippi Period.



Artifact 1-44 is an arrow point. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, square shoulders and a concave base. The cross section is plano-convex with no edge abrading and no beveling. Maximum dimensions are 1.8 cm x 1.1 cm x 0.3 cm and it weighs 0.6 g. The stem measures 0.7 cm x 0.8 cm and comprises about 39% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Sallisaw type, which is associated with the Mississippi Period.

Artifact 1-45 is an arrow point. It is an expanding stem specimen with a pointed tip, an excurvate blade, side notches, sloping shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.1 cm x 1.1 cm x 0.4 cm and it weighs 1.4 g. The stem measures 0.6 cm x 0.8 cm and comprises about 19% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Schild type, which is associated with the Late Woodland Period.



Artifact 1-46 is an arrow point. It is an expanding stem specimen with a pointed tip, an excurvate blade, corner removed barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.5 cm x 1.7 cm x 0.5 cm and

it weighs 1.6 g. The stem measures 0.5 cm x 1.0 cm and comprises about 20% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type that resembles the Koster type somewhat, but stem is not as expanding and it is slightly thicker. These are fairly common in the Ozark area, and appear to be associated with the Late Woodland Period.

Artifact 1-51 is a bifacial knife. It is an unstemmed specimen with a rounded tip, a straight blade, no notches, no shoulders and a straight base. The cross section is plano-convex with edge abrading on the stem and no beveling. Maximum dimensions are 6.0 cm x 2.0 cm x 0.6 cm and it weighs 8.1 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact and from perforating soft stone. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-53 is a bifacial drill. It is an unstemmed specimen with a pointed tip, a straight blade, no notches, no shoulders and a convex base. The cross section is diamond-shaped with no edge abrading and no beveling. Maximum dimensions are 4.3 cm x 1.6 cm x 0.8 cm and it weighs 4.8 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from perforating. This specimen is an unclassified type possibly associated with the Woodland Period.



Artifact 1-54 is a preform proximal. It is an unstemmed specimen with a missing tip, a damaged blade, no notches, no shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.4 cm x 1.6 cm x 0.4 cm and it weighs 2.2 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type possibly associated with the Woodland through Mississippi periods.

Artifact 1-55 is a heat damaged preform proximal. It is an unstemmed specimen with a missing tip, a damaged blade, no notches, no shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.7 cm x 1.8 cm x 0.5 cm and it weighs 2.9 g. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type possibly associated with the Late Woodland through Mississippi periods.

Artifact 1-56 is a preform proximal. It is an unstemmed specimen with a missing tip, a damaged blade, no notches, no shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.3 cm x 1.8 cm x 0.5 cm and it weighs 3.3 g. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed no evidence of use-wear.

This specimen is an unclassified type possibly associated with the Late Woodland through Mississippi Period.

Artifact 1-57 is a preform. It is an unstemmed specimen with a pointed tip, an excurved blade, no notches, no shoulders and a convex base. The cross section is plano-convex with no edge abrading and unifacial beveling. It is made from a thick decortication flake, as evidenced by the presence of some cortex on one side. Maximum dimensions are 3.6 cm x 1.5 cm x 0.7 cm and it weighs 4.0 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type possibly associated with the Late Woodland through Mississippi periods.

Artifact 1-60 is a preform. It is an expanding stem specimen with a missing tip and blade, side notches, sloping shoulders and a concave base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.2 cm x 3.4 cm x 0.7 cm and it weighs 8.6 g. The stem measures 1.2 cm x 2.3 cm and comprises about 38% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type possibly associated with the Late Archaic Period. Apparently it was broken at the notching stage since a bifurcated stem was roughly delineated. It may be a late stage preform for a Hanna point.

Artifact 1-61 is a bifacial knife midsection. It has a missing tip, a damaged blade, basal notches, barbed shoulders and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. The stem is broken away just below the shoulders. The angle of the notch suggests basal notching and, therefore, a squared stem, but one cannot be sure. Maximum dimensions are 4.8 cm x 3.0 cm x 0.9 cm and it weighs 13.6 g. The raw material is heat-treated Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type possibly associated with the Late Archaic Period.

Artifact 1-62 is a bifacial side scraper. It is an unstemmed specimen with a rounded tip, an excurved blade, no notches, no shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 6.0 cm x 4.9 cm x 1.6 cm and it weighs 41.2 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from scraping wet hide. This specimen is an unclassified type possibly associated with the Woodland Period.

Artifact 1-63 is a flake scraper. Maximum dimensions are 6.9 cm x 5.6 cm x 1.5 cm and it weighs 49.5 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from scraping wet hide.



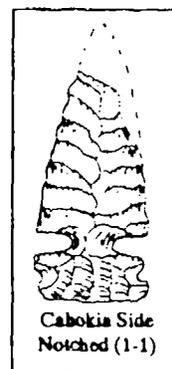
Artifact 1-64 is a bifacial side scraper midsection. It is an unstemmed specimen with a missing tip, an excurvate blade, no notches, no shoulders and a missing base. The cross section is plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 4.0 cm x 5.8 cm x 1.8 cm and it weighs 50.2 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from scraping wet hide. This specimen is an unclassified type possibly associated with the Woodland Period.

Artifact 1-65 is a bifacial side scraper proximal. It is an unstemmed specimen with a missing tip, a damaged blade, no notches, no shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 5.0 cm x 3.3 cm x 0.8 cm and it weighs 17.4 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from scraping wet hide. This specimen is an unclassified type possibly associated with the Woodland Period.

### 23PC371

23PO371 is a prehistoric habitation exhibiting evidence of Woodland and Mississippi Period occupations. It was recorded by Howard Wimmer in 1984 when he collected 5 artifacts weighing 45.0 g. These included 1 arrow point (1.1 g), 3 biface fragments (5.5 g) and 1 bifacial end scraper (38.4 g).

Artifact 1-1 is an arrow point. It is a parallel stem specimen with a missing tip, a damaged blade, double side notches, square shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.0 cm x 1.4 cm x 0.3 cm and it weighs 1.1 g. The stem measures 0.9 cm x 1.4 cm and comprises about 3% of the total length of the specimen. The raw material is heat-treated high grade Burlington (Crescent variety?) chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is a well-made Cahokia side notched point with deep side notches and small extra notch in the parallel sided stem portion below the main notches.



Artifact 1-2 is a bifacial end scraper. It is an unstemmed specimen with a rounded tip, an excurvate blade, no notches, no shoulders and a convex base. The cross section is plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 5.5 cm x 4.4 cm x 1.5 cm and it weighs 38.4 g. The raw material is heat-treated Jefferson

City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from scraping wet hide. This specimen is an unclassified type, which is associated with the Woodland Period.

### 23PO372

23PO372 is a prehistoric habitation exhibiting evidence of Late Archaic and Woodland Period occupations. It was recorded by Howard Wimmer in 1984 when he collected 6 artifacts weighing 53.8 g. These included 1 bifacial knife fragment (14.2 g), 2 bifacial knives (15.6 g) and 3 preform fragments (24.0 g).

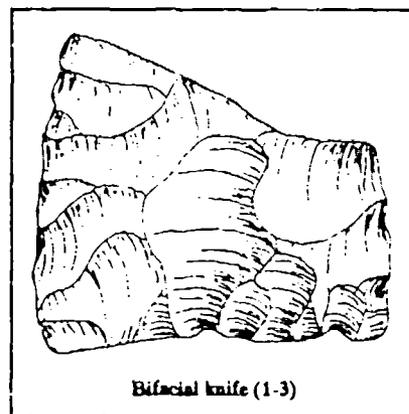
Artifact 1-1 is a bifacial knife. It is a contracting stem specimen with a pointed tip, an asymmetrical blade, corner removed sloping shoulders and a concave base. The cross section is biconvex with edge abrading on the stem and no beveling. One blade margin of this biface has an angular, Afton-like outline, while the other margin has a strongly excurvate edge. The tip constricts sharply and ends in a sharp point. Maximum dimensions are 4.1 cm x 3.0 cm x 0.6 cm and it weighs 7.3 g. The stem measures 1.3 cm x 1.8 cm and comprises about 32% of the total length of the specimen. The raw material is heat-treated Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Langtry type, which is associated with the Late Archaic through Woodland periods.



Artifact 1-2 is a bifacial knife. It is a contracting stem specimen with a missing tip, an asymmetrical blade, corner removed square shoulders and a concave base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 4.5 cm x 3.2 cm x 0.7 cm and it weighs 8.3 g. The stem measures 1.4 cm x 1.8 cm and comprises about 31% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Langtry type, which is

associated with the Late Archaic through Woodland periods. The morphology of biface 1-2 is almost exactly the same as 1-1. There is one Afton-like margin and one excurvate edge. The sharp tip has been broken off.

Artifact 1-3 is a bifacial knife proximal. It is an unstemmed specimen with a missing tip and blade, no notches, no shoulders and a thinned concave base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.2 cm x 4.5 cm x 0.9 cm and it weighs 14.2 g. The raw material is heat-



treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting wood. Use wear, polish and microbreakage suggests use of the concave base as a spokeshave. This specimen is an unclassified type not associated with a specific cultural period.

### 23PO373

23PO373 is a prehistoric habitation exhibiting evidence of Late Archaic, Middle to Late Woodland and Mississippi Period occupations. It was recorded by Howard Wimmer in 1985 when he collected 123 artifacts weighing 1,873.8 g. These included 2 flat abraders (809.2 g), 4 arrow point fragments (3.0 g), 13 arrow points (11.7 g), 15 biface fragments (71.9 g), 8 stemmed biface fragments (49.1 g), 2 stemmed bifaces (14.9 g), 1 unstemmed biface (14.6 g), 1 clay-tempered cord marked rim sherd (39.9 g), 3 dart point fragments (4.2 g), 4 dart points (23.6 g), 2 bifacial drill fragments (3.1 g), 9 grit/clay-tempered plain body sherds (32.6 g), 9 bifacial knife fragments (44.3 g), 8 bifacial knives (87.6 g), 1 knife/scrapper (9.4 g), 29 preform fragments (407.8 g), 8 preforms (121.0 g), 1 projectile point/knife (11.3 g), 1 sand-tempered plain body (71.9 g), 1 bifacial side scrapper/end (16.3 g) and 1 unifacial scrapper side fragment (26.4 g).

Artifacts cataloged as 1-6 include six bifacial knife midsections. These are unstemmed specimens with missing tips, damaged blades, no notches, no shoulders and missing bases. The cross sections are irregular with no edge abrading and no beveling. Together, they weigh 14.4 g. The raw materials include Jefferson City, heat-treated Elsey and heat-treated Burlington cherts. Microscopic examination revealed wear resulting from cutting meat with bone contact. These specimens are of an unclassified type not associated with a specific cultural period.

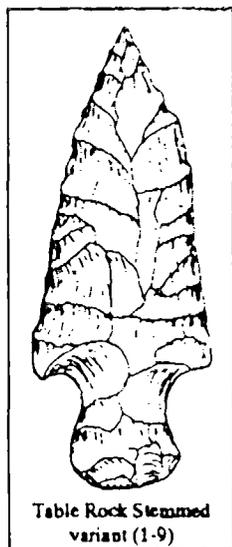


Table Rock Stemmed  
variant (1-9)

Artifact 1-9 is a bifacial knife. It is an expanding stem corner removed specimen with a pointed tip, an excurvate blade, square shoulders and a convex base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 6.0 cm x 2.3 cm x 0.9 cm and it weighs 9.8 g. The stem measures 1.5 cm x 1.5 cm and comprises about 25% of the total length of the specimen. The raw material is Keokuk chert, which is abundant further south but may be available locally in highly restricted areas. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is a variant of the Table Rock Stemmed type, which is associated with the Late Archaic Period. This biface differs from typical Table Rock Stemmed point in its greater thickness and convex or bulb-like base. It also resembles the Palmillas type of Texas.

Artifact 1-10 is a dart point. It is a corner removed expanding stem specimen with a missing tip, a damaged blade, sloping shoulders and a convex base. The cross section is biconvex with edge abrading on the stem and no beveling. The tip has been carried away

by an impact fracture. Maximum dimensions are 3.1 cm x 1.5 cm x 0.5 cm and it weighs 3.1 g. The stem measures 1.4 cm x 1.4 cm and comprises about 45% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is resharpened and most closely resembles the Table Rock Stemmed type, which is associated with the Late Archaic Period.

Artifact 1-11 is a dart point. It is a corner removed expanding stem specimen with a missing tip, a damaged blade, barbed shoulders and a damaged base. The cross section is biconvex with edge abrading on the base, stem and the remaining blade edge. There is no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 3.0 cm x 2.7 cm x 0.8 cm and it weighs 6.5 g. The stem is 1.1 cm long and comprises about 37% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Table Rock Stemmed type, which is associated with the Late Archaic Period.

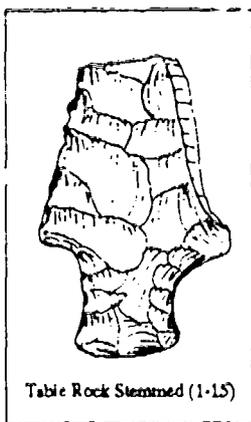


Table Rock Stemmed (1-11)

Artifact 1-12 is a dart point stem. It is an expanding stem specimen with a missing tip and blade, corner removed missing shoulders and a straight base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 1.7 cm x 1.7 cm x 0.6 cm and it weighs 1.8 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Table Rock Stemmed type, which is associated with the Late Archaic Period.

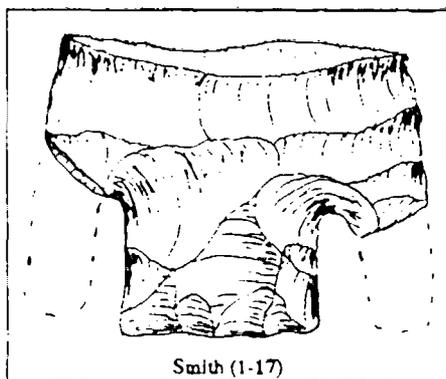
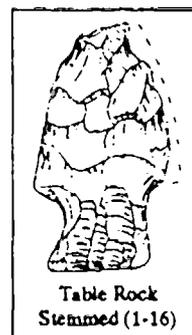
Artifact 1-13 is a dart point stem. It is an expanding stem specimen with a missing tip and blade, corner removed missing shoulders and a straight base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 1.3 cm x 1.6 cm x 0.4 cm and it weighs 1.0 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Table Rock Stemmed type, which is associated with the Late Archaic Period.

Artifact 1-14 is a dart point stem. It is an expanding stem specimen with a missing tip and blade, corner removed missing shoulders and a damaged base. The cross section is biconvex with edge abrading on the stem and no beveling. The tip and blade have been carried away by an impact fracture. Maximum dimensions are 1.8 cm x 1.3 cm x 0.6 cm and it weighs 1.4 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Table Rock Stemmed type, which is associated with the Late Archaic Period.



Artifact 1-15 is a bifacial knife. It is an expanding stem corner removed specimen with a missing tip, a damaged blade, sloping shoulders and a convex base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 3.9 cm x 2.5 cm x 0.7 cm and it weighs 6.2 g. The stem measures 1.2 cm x 1.3 cm and comprises about 31% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Table Rock Stemmed type, which is associated with the Late Archaic Period.

Artifact 1-16 is a dart point. It is an expanding stem corner removed specimen with a missing tip, a damaged blade, sloping shoulders and a straight base. The cross section is biconvex with edge abrading on the stem and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 3.1 cm x 1.6 cm x 0.7 cm and it weighs 3.7 g. The stem measures 1.0 cm x 1.4 cm and comprises about 32% of the total length of the specimen. The raw material is heat-treated Reeds Spring chert, which is found in southwest Missouri and northwest Arkansas into northeast Oklahoma and extreme southeast Kansas. Microscopic examination revealed no evidence of use-wear. This specimen is exhausted and most closely resembles the Table Rock Stemmed type, which is associated with the Late Archaic Period.



Artifact 1-17 is a bifacial knife. It is a parallel stem specimen with a missing tip, a damaged blade, basal notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.8 cm x 5.0 cm x 1.1 cm and it weighs 22.3 g. The stem measures 1.6 cm x 2.7 cm and comprises about 42% of the total length of the specimen. The raw material is Burlington chert, which is found locally.

Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Smith type, which is associated with the Late Archaic Period.

Artifact 1-18 is a bifacial knife base. It is a parallel stem specimen with a missing tip and blade, basal notches, barbed shoulders and a straight base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 2.5 cm x 2.9 cm x 0.6 cm and it weighs 3.8 g. The stem measures 1.2 cm x 2.0 cm and comprises about 48% of the total length of the specimen. The raw material is Keokuk chert, which is abundant further south but may be available locally in highly restricted

areas. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Smith type, which is associated with the Late Archaic Period.



Arrow point (1-19)

Artifact 1-19 is an arrow point. It is an expanding stem corner removed specimen with a pointed tip, a straight blade, square shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.2 cm x 1.7 cm x 0.7 cm and it weighs 3.2 g. The stem measures 0.7 cm x 1.1 cm and comprises about 22% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type possibly associated with the Late Woodland Period. It is rather thick for an arrow point and it is possible that it could have served as a dart point. However, the hafting area seems too small.

Artifact 1-20 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.5 cm x 3.0 cm x 0.6 cm and it weighs 7.3 g. The stem measures 1.0 cm x 2.2 cm and comprises about 29% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type, which is associated with the Mississippian Period. Dickson (1991:174) reports four similar specimens from a Late Caddoan context at the Albertson site in northwest Arkansas.



Bifacial knife (1-20)

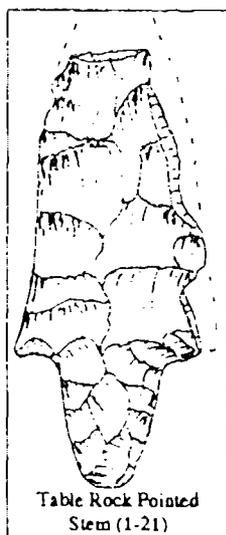


Table Rock Pointed Stem (1-21)

Artifact 1-21 is a dart point. It is a corner removed contracting stem specimen with a missing tip, a damaged blade, square shoulders and a convex base. The cross section is biconvex with edge abrading on the stem and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 5.9 cm x 2.3 cm x 0.7 cm and it weighs 10.3 g. The stem measures 1.7 cm x 1.5 cm and comprises about 29% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Table Rock Pointed Stem type, which is associated with the Loftin phase of the Mississippian Period (Chapman 1980:313).

Artifact 1-22 is a bifacial knife. It is an expanding stem specimen with a pointed tip, a straight blade, corner notches, barbed shoulders and a damaged base. The cross section is



Knife Corner Notched (1-22)

biconvex with edge abrading on the base and stem and no beveling. Maximum dimensions are 3.3 cm x 2.1 cm x 0.6 cm and it weighs 3.6 g. The stem measures 1.0 cm x 1.6 cm and comprises about 30% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is resharpened and most closely resembles the Kings Corner Notched type, which is associated with the Woodland periods.

Artifact 1-23 is a bifacial knife/scrapper. It is a contracting stem specimen with a missing tip, an excurvate blade, no notches, sloping shoulders and a missing base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 4.8 cm x 3.3 cm x 0.6 cm and it weighs 9.4 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact and from scraping wet hide. This specimen is either a Langtry or Gary type, both of which are associated with the Late Archaic through Woodland periods. Because the basal part of the contracting stem is missing, one cannot tell whether a Langtry or Gary biface is involved.



Artifact 1-24 is a bifacial drill proximal. It is an unstemmed specimen with a missing tip and blade, no notches, no shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.4 cm x 2.5 cm x 0.4 cm and it weighs 1.8 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from perforating. There is much bright polish on the base due to holding in the hand. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-25 is a bifacial drill distal. It is an unstemmed specimen with a pointed tip, an excurvate blade, no notches, no shoulders and a missing base. The cross section is rhomboidal with no edge abrading and beveling on the right blade edge. Maximum dimensions are 3.1 cm x 0.8 cm x 0.3 cm and it weighs 1.3 g. The raw material is Keokuk chert, which is abundant further south but may be available locally in highly restricted areas. Microscopic examination revealed wear resulting from perforating. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-26 is a biface stem. It is a corner removed expanding stem specimen with a missing tip and blade, missing shoulders and a straight base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 1.8 cm x 2.1 cm x 0.7 cm and it weighs 2.2 g. The stem measures 0.5 cm x 2.1 cm and comprises about 28% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Kings Corner Notched type, which is associated with the Late Archaic through periods.

Artifact 1-28 is a projectile point/knife. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 3.5 cm x 3.5 cm x 0.7 cm and it weighs 11.3 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Grand type, which is associated with the Middle Woodland Period.



Artifact 1-33 is a preform. It is an unstemmed specimen with a rounded tip, an excurvate blade, no notches, no shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.4 cm x 1.0 cm x 0.3 cm and it weighs 0.8 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type possibly associated with the Woodland or Mississippi Period.

Artifact 1-34 is a preform proximal. It is a parallel stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a straight base. The cross section is biconvex with edge abrading on the blade and no beveling. Maximum dimensions are 4.0 cm x 3.6 cm x 1.0 cm and it weighs 18.2 g. The stem measures 0.7 cm x 2.3 cm and comprises about 18% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type possibly associated with the Late Archaic Period.

Artifact 1-35 is a stemmed biface proximal. It is a corner removed parallel stem specimen with a missing tip and blade, sloping shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.4 cm x 3.8 cm x 0.8 cm and it weighs 10.1 g. The stem measures 1.3 cm x 2.4 cm and comprises about 38% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type possibly associated with the Late Archaic Period.

Artifact 1-36 is a bifacial knife. It is an unstemmed specimen with a rounded tip, an excurvate blade, no notches, no shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 5.1 cm x 3.2 cm x 0.5 cm and it weighs 8.5 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with

bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-37 is a bifacial side and end scraper. It is an unstemmed specimen with a rounded tip, an excurvate blade, no notches, no shoulders and a convex base. The cross section is plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 4.8 cm x 3.7 cm x 0.7 cm and it weighs 16.3 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from scraping wet hide. This specimen is an unclassified type possibly associated with the Woodland Period.



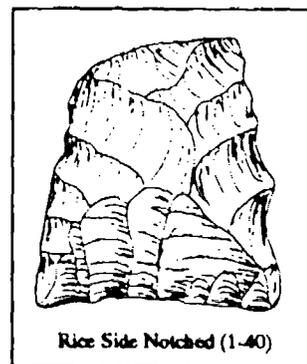
Bifacial scraper (1-37)



Copena (1-39)

Artifact 1-39 is a stemmed biface proximal. It is an expanding stem specimen with a missing tip, a damaged blade, side notches (more a side constriction near the base than true notching), sloping shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.4 cm x 3.5 cm x 0.8 cm and it weighs 11.8 g. The stem measures 1.8 cm x 2.7 cm and comprises about 53% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Copena type, which is associated with the Woodland Period.

Artifact 1-40 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, no shoulders and a concave base. The cross section is rhomboidal with edge abrading on the base and stem and beveling on the right blade edge. Maximum dimensions are 3.4 cm x 3.2 cm x 0.7 cm and it weighs 9.2 g. The stem measures 1.3 cm x 3.2 cm and comprises about 38% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Rice Side Notched type, which is associated with the Woodland Period.

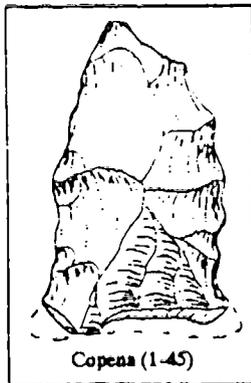


Rice Side Notched (1-40)

Artifact 1-43 is a bifacial knife. It is an unstemmed specimen with a missing tip, an asymmetrical blade, no notches, no shoulders and a convex base. The cross section is plano-convex with no edge abrading and no beveling. Maximum dimensions are 5.5 cm x 4.2 cm x 0.9 cm and it weighs 20.7 g. The raw material is Burlington chert, which is

found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-44 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip and blade, side notches, sloping shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.4 cm x 3.7 cm x 1.0 cm and it weighs 17.6 g. The stem measures 1.8 cm x 2.8 cm and comprises about 41% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Copena type, which is associated with the Woodland Period.



Artifact 1-45 is a stemmed biface. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, sloping shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.1 cm x 2.5 cm x 0.8 cm and it weighs 8.4 g. The stem measures 1.6 cm x 2.4 cm and comprises about 39% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed battering but no evidence of use-wear. This specimen is exhausted and most closely resembles the Copena type, which is associated with the Woodland Period.

Artifact 1-46 is an ovate unifacial side scraper proximal. It is an unstemmed specimen with a missing tip, an excurvate blade, no notches, no shoulders and a convex base. The cross section is plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 5.2 cm x 4.3 cm x 1.1 cm and it weighs 26.4 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from scraping wet hide. This specimen is an unclassified type typical of the Middle Woodland, although similar specimens are found in the Late Woodland.

Artifact 1-47 is a bifacial knife distal. It is an unstemmed specimen with a pointed tip, an excurvate blade, no notches, no shoulders and a missing base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 5.0 cm x 2.3 cm x 0.7 cm and it weighs 8.5 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-50 is a preform. It is an unstemmed specimen with a rounded tip, an excurvate blade, no notches, no shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.3 cm x 1.4 cm x 0.4 cm and it weighs 1.3 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This

specimen is an unclassified type possibly associated with the Woodland -Mississippi Period.

Artifact 1-52 is a stemmed biface proximal. It is a parallel stem specimen with a missing tip and blade, basal notches, barbed shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.7 cm x 1.8 cm x 1.1 cm and it weighs 5.5 g. The stem is 0.7 cm long and comprises about 26% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type possibly associated with the Late Archaic Period. This notched fragment is difficult to analyze. Looked at from one angle, it seems to be basally notched, similar to the Ouachita point but with shallower notches. From another angle, it resembles a corner notched Gibson point, but it is too thick.

Artifact 1-53 is an arrow point. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.4 cm x 1.1 cm x 0.3 cm and it weighs 0.6 g. The stem measures 0.6 cm x 0.8 cm and comprises about 43% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is resharpened and most closely resembles the Scallorn type, which is associated with the Late Woodland through Mississippi periods.

Artifact 1-54 is an arrow point. It is an expanding stem specimen with a missing tip, an incurvate blade, corner removed barbed shoulders and a straight base. The cross section is plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 1.9 cm x 1.1 cm x 0.4 cm and it weighs 0.6 g. The stem measures 0.5 cm x 0.7 cm and comprises about 26% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is resharpened and most closely resembles the Scallorn type, which is associated with the Late Woodland through Mississippi Period.

Artifact 1-55 is an arrow point. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, square shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 2.4 cm x 1.2 cm x 0.4 cm and it weighs 1.2 g. The stem measures 0.6 cm x 1.0 cm and comprises about 25% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear.

This specimen most closely resembles the Scallorn type, which is associated with the Late Woodland through Mississippi Period.



Scallorn (1-55)

Artifact 1-56 is an arrow point. It is an expanding stem specimen with a missing tip, an incurvate blade, corner notches, barbed shoulders and a straight base. The cross

section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.1 cm x 1.3 cm x 0.4 cm and it weighs 1.0 g. The stem measures 0.6 cm x 0.9 cm and comprises about 29% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is resharpened and most closely resembles the Scallorn type, which is associated with the Late Woodland through Mississippi periods.



Scallorn (1-57)

Artifact 1-57 is an arrow point. It is an expanding stem specimen with a missing tip, an incurvate blade, side notches, square shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.0 cm x 1.1 cm x 0.3 cm and it weighs 0.6 g. The stem measures 0.6 cm x 1.0 cm and comprises about 30% of the total length of the specimen. The raw material is Keokuk chert, which is abundant further south but may be available locally in highly restricted areas.

Microscopic examination revealed no evidence of use-wear. This specimen is resharpened and most closely resembles the Scallorn type, which is associated with the Late Woodland through Mississippi periods.

Artifact 1-58 is an arrow point. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.4 cm x 1.1 cm x 0.3 cm and it weighs 0.7 g. The stem measures 0.6 cm x 0.7 cm and comprises about 43% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Scallorn type, which is associated with the Late Woodland through Mississippi periods.



Scallorn (1-58)



Scallorn variant (1-59)

Artifact 1-59 is an arrow point. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a convex base. The cross section is plano-convex with no edge abrading and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 1.7 cm x 1.2 cm x 0.3 cm and it weighs 0.6 g. The stem measures 0.5 cm x 0.6 cm and comprises about 29% of the total length of the specimen. The raw material is heat-treated Jefferson City

chert, which is found locally in the deeper valleys. Microscopic examination revealed no evidence of use-wear. This specimen is a variant of the Scallorn type, which is associated with the Late Woodland through Mississippi periods.

Artifact 1-60 is an arrow point. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a convex base. The cross section is plano-convex with no edge abrading and no beveling. Maximum dimensions are 1.6 cm x 1.0 cm x 0.3 cm and it weighs 0.5 g. The stem measures 0.6 cm x 0.8 cm and comprises about 38% of the total length of the specimen. The raw material is heat-treated Burlington



Scallorn (1-60)

chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Scallorn type, which is associated with the Late Woodland through Mississippi periods.

Artifact 1-61 is an arrow point. It is an expanding stem specimen with a missing tip, a damaged blade, corner removed damaged shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.6 cm x 0.8 cm x 0.3 cm and it weighs 0.5 g. The stem measures 0.6 cm x 0.8 cm and comprises about 38% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is resharpened and most closely resembles the Scallorn type, which is associated with the Late Woodland through Mississippi periods.



Artifact 1-62 is an arrow point. It is an expanding stem specimen with a pointed tip, an incurvate blade, side notches, square shoulders and a convex base. The cross section is plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 1.5 cm x 0.9 cm x 0.2 cm and it weighs 0.3 g. The stem measures 0.5 cm x 0.7 cm and comprises about 33% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is resharpened since the shoulders flare straight out from above the notches. The stem is bulb-like, suggestive of the Alba type, which is associated with the Mississippi Period.

Artifact 1-63 is an arrow point. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, sloping shoulders and a convex base. The cross section is diamond-shaped with no edge abrading and no beveling. Maximum dimensions are 2.5 cm x 1.0 cm x 0.4 cm and it weighs 0.8 g. The stem measures 0.8 cm x 0.8 cm and comprises about 32% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This arrow point differs from the Scallorn type in having a longer stem that is parallel for two thirds of its length before flaring out. This specimen is an unclassified type possibly associated with the Late Woodland through Mississippi periods.



Artifact 1-64 is an arrow point. It is an expanding stem specimen with a pointed tip, an asymmetrical blade, side notches, square shoulders and a damaged base. The cross section is plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 3.0 cm x 1.1 cm x 0.4 cm and it weighs 1.1 g. The stem is 0.7 cm long and comprises about 23% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type possibly associated with the Late Woodland through Mississippi periods.

Artifact 1-65 is an arrow point stem. It is an expanding stem specimen with a missing tip and blade, side notches, missing shoulders and a damaged base. The cross section is irregular with no edge abrading and no beveling. The tip and much of the blade have been carried away by an impact fracture. Maximum dimensions are 1.3 cm x 1.0 cm x 0.4 cm and it weighs 0.4 g. The stem measures 0.7 cm x 0.0 cm and comprises about 54% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Scalloped type, which is associated with the Late Woodland through Mississippi periods.

Artifact 1-67 is an arrow point tip. It has a missing tip, a damaged blade, no notches, no shoulders and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.4 cm x 0.8 cm x 0.1 cm and it weighs 0.2 g. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type possibly associated with the Mississippi Period.

Artifact 1-68 is a preform. It is an unstemmed specimen with a rounded tip, an excurvate blade, no notches, no shoulders and a convex base. The cross section is rhomboidal with no edge abrading and beveling on the left edge of the blade. Maximum dimensions are 3.5 cm x 1.4 cm x 0.6 cm and it weighs 2.8 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type possibly associated with the Late Woodland through Mississippi periods.

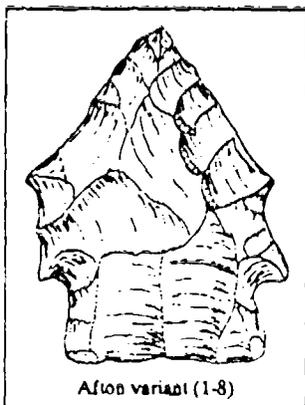
### 23PO374

23PO374 is a prehistoric habitation exhibiting evidence of Late Archaic and Late Woodland Period occupations. It was recorded by Howard Wimmer in 1985 when he collected 19 artifacts weighing 937.4 g. These included 1 core (154.7 g), 3 bifacial knife fragments (27.3 g), 6 bifacial knives (54.3 g), 1 flake knife (28.1 g), 1 knife/scrapper (25.9 g), 1 preform fragment (33.4 g), 4 preforms (539.3 g) and 2 bifacial end scrapers (74.4 g).

Artifact 1-4 is a bifacial knife/scrapper. It is an unstemmed specimen with a missing tip, a damaged blade, no notches, no shoulders and a convex base. The cross section is biconvex with no edge abrading and unifacial beveling. Maximum dimensions are 5.3 cm x 4.4 cm x 1.0 cm and it weighs 25.9 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact and from scraping wood. This specimen is an unclassified type, which is associated with the Woodland Period.

Artifacts cataloged as 1-6 include three bifacial knife midsections. These are unstemmed specimens with missing tips, damaged blades, no notches, no shoulders and missing bases. The cross sections are irregular with no edge abrading and no beveling. Together, they weigh 27.3 g. The raw material include Jefferson City and both plain and

heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. These specimens are of an unclassified type not associated with a specific cultural period.



Artifact 1-8 is a bifacial knife. It is a parallel stem specimen with a pointed tip, a recurved blade, corner removed square shoulders and a straight base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 4.3 cm x 3.2 cm x 0.6 cm and it weighs 8.6 g. The stem measures 1.0 cm x 2.6 cm and comprises about 23% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is a variant of the Afton type, which is associated with the Late Archaic Period. It has the typical angular blade edges of the Afton, but the shoulders are unusually narrow and the stem more square than is usual. Very little use wear is evident in the lower concave areas, but much use polish and rounding is present on the tip margins above this. Possibly the haft binding was also in the concave area just above the shoulders and the blade originally was much longer.

Artifact 1-9 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.2 cm x 3.3 cm x 0.6 cm and it weighs 8.2 g. The stem is 1.6 cm long and comprises about 50% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Lander Corner Notched type, which is associated with the Woodland Period.



Artifact 1-10 is a bifacial end scraper. It is an unstemmed specimen with a rounded tip, an excurvate blade, no notches, no shoulders and a convex base. The cross section is biconvex with no edge abrading and unifacial beveling. Maximum dimensions are 6.0 cm x 4.4 cm x 1.1 cm and it weighs 38.3 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from scraping wet hide. Both ends have been unifacially beveled and used as scrapers and there is use polish on the unbeveled sides as well. This specimen is resharpened and is an unclassified type possibly associated with the Woodland Period.

Artifact 1-11 is a bifacial end scraper. It is an unstemmed specimen with a missing tip, an excurvate blade, no notches, no shoulders and a convex base. The cross section is

plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 5.0 cm x 5.0 cm x 1.4 cm and it weighs 36.1 g. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from scraping wet hide. This specimen is resharpened and is an unclassified type possibly associated with the Woodland Period.

Artifact 1-13 is a flake knife. Maximum dimensions are 7.9 cm x 3.5 cm x 0.8 cm and it weighs 28.1 g. The raw material is Burlington chert, which is found locally. This specimen is an elongated blade-like flake with much damage on the margins indicative of arduous cutting of a hard substance, probably bone or antler.

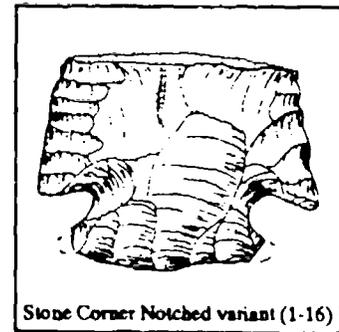
Artifact 1-14 is a bifacial knife. It is an expanding stem specimen with a pointed tip, a straight blade, side notches, sloping shoulders and a straight base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 5.6 cm x 2.8 cm x 0.9 cm and it weighs 11.4 g. The stem measures 1.8 cm x 2.8 cm and comprises about 32% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is resharpened and most closely resembles the Rice Side Notched type, which is associated with the Woodland Period.



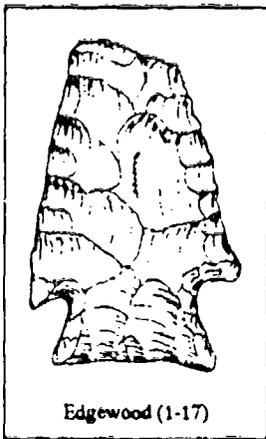
Rice Side Notched (1-15)

Artifact 1-15 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, sloping shoulders and a concave base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.5 cm x 3.5 cm x 0.7 cm and it weighs 10.1 g. The stem measures 1.6 cm x 3.4 cm and comprises about 46% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is resharpened and most closely resembles the Rice Side Notched type, which is associated with the Woodland Period.

Artifact 1-16 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a straight base. The cross section is irregular with no edge abrading and no beveling. Maximum dimensions are 2.8 cm x 3.5 cm x 0.7 cm and it weighs 8.2 g. The stem measures 0.9 cm x 2.5 cm and comprises about 32% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is a variant of the Stone Corner Notched type, which is associated with the Late Archaic Period.



Stone Corner Notched variant (1-16)



Artifact 1-17 is a bifacial knife. It is an expanding stem specimen with a missing tip, a straight blade, corner removed barbed shoulders and a concave base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 4.2 cm x 2.8 cm x 0.6 cm and it weighs 7.8 g. The stem measures 1.1 cm x 2.1 cm and comprises about 26% of the total length of the specimen. The raw material is heat-treated Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Edgewood type, which is associated with the Late Archaic Period.

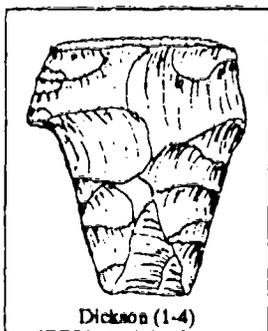
### 23PO375

23PO375 is a prehistoric habitation exhibiting evidence of Middle Woodland and Mississippi Period occupations. It was recorded by Howard Wimmer in 1985 when he collected 18 artifacts weighing 339.7 g. These included 1 arrow point (0.9 g), 1 stemmed biface fragment (8.0 g), 1 core (60.9 g), 1 dart point fragment (6.3 g), 5 bifacial knife fragments (54.0 g), 2 bifacial knives (23.3 g), 1 knife/scrapper (19.4 g), 2 preform fragments (43.5 g), 1 sandstone & hematite (38.7 g), 1 bifacial end scrapper fragment (32.6 g), 1 flake scrapper fragment (17.1 g) and 1 unifacial scrapper side fragment (35.0 g).

Artifact 1-2 is a bifacial knife. It is a corner removed contracting stem specimen with a pointed tip, an asymmetrical blade, sloping shoulders and a convex base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 6.7 cm x 3.3 cm x 0.5 cm and it weighs 12.5 g. The stem measures 1.8 cm x 2.2 cm and comprises about 27% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Waubesa type, which is associated with the Woodland Period.



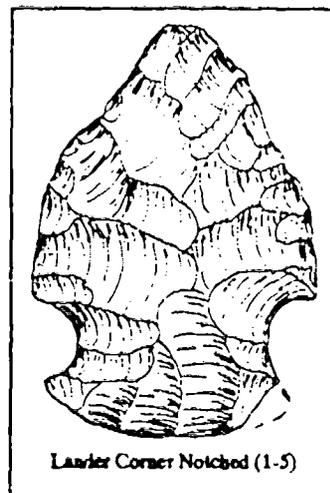
Artifact 1-3 is a bifacial knife. It is a corner removed contracting stem specimen with a missing tip, a damaged blade, square shoulders and a damaged base. The cross section is rhomboidal with no edge abrading and beveling on the right blade edge. Maximum dimensions are 4.6 cm x 2.9 cm x 0.8 cm and it weighs 10.8 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is resharpened and most closely resembles the Waubesa or Langtry type, which are associated with the Late Archaic through Woodland periods.



Artifact 1-4 is a bifacial knife proximal. It is a contracting stem corner removed specimen with a missing tip, a damaged blade, square shoulders and a concave base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 3.3 cm x 2.8 cm x 0.7 cm and it weighs 7.5 g. The stem measures 2.0 cm x 2.4 cm and comprises about 61% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone

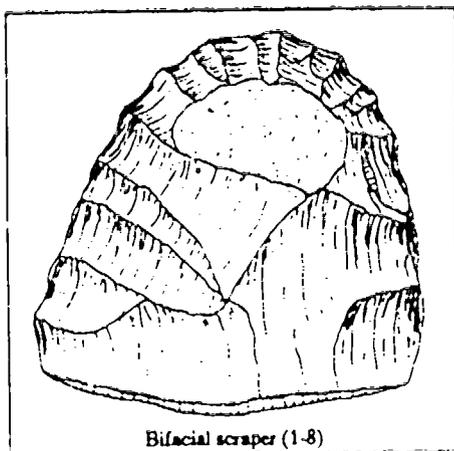
contact. This specimen most closely resembles the Dickson type, which is associated with the Woodland Period.

Artifact 1-5 is a bifacial knife/scrapper. It is an expanding stem specimen with a rounded tip, an excurvate blade, side notches, sloping shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 5.5 cm x 3.6 cm x 1.0 cm and it weighs 19.4 g. The stem measures 1.9 cm x 2.9 cm and comprises about 35% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact and from scraping dry hide. This specimen most closely resembles the Lander Corner Notched type, which is associated with the Woodland Period.



Artifact 1-6 is a dart point stem. It is an expanding stem specimen with a missing tip and blade, corner notches, damaged shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. The tip and blade have been carried away by an impact fracture. Maximum dimensions are 2.6 cm x 3.0 cm x 0.7 cm and it weighs 6.3 g. The stem measures 1.1 cm x 2.3 cm and comprises about 42% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is exhausted and most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.

Artifact 1-7 is a stemmed biface proximal. It is an expanding stem specimen with a missing tip and blade, corner notches, square shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.3 cm x 3.7 cm x 0.8 cm and it weighs 8.0 g. The stem is 1.0 cm long and comprises about 43% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.



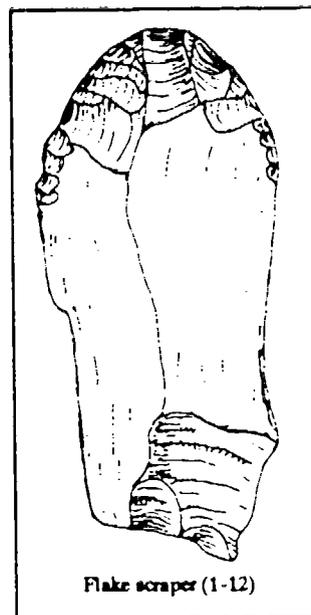
Bifacial scraper (1-8)

Artifact 1-8 is a bifacial end scraper distal. It is an unstemmed specimen with a rounded tip, an excruciate blade, no notches, no shoulders and a missing base. The cross section is plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 4.9 cm x 5.2 cm x 1.1 cm and it weighs 32.6 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from scraping wet hide. This specimen is resharpened and is an unclassified type, which is associated with the Woodland Period.

Artifact 1-9 is a bifacial knife midsection. It has a missing tip, a damaged blade, basal notches, barbed shoulders and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. It probably had a parallel stem because one short barb was formed by a basal notch. Maximum dimensions are 6.0 cm x 3.8 cm x 0.7 cm and it weighs 17.4 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifacts cataloged as 1-10 include three bifacial knife midsections. These are unstemmed specimens with missing tips, damaged blades, no notches, no shoulders and missing bases. The cross sections are irregular with no edge abrading and no beveling. Together, they weigh 29.1 g. The raw materials include Jefferson City and both plain and heat-treated Burlington chert. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-12 is a flake scraper. Maximum dimensions are 6.8 cm x 3.2 cm x 0.7 cm and it weighs 17.1 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from scraping wet hide. This specimen is not associated with a specific cultural period.



Flake scraper (1-12)

Artifact 1-13 is a unifacial side scraper midsection. It is an unstemmed specimen with a missing tip, a damaged blade, no notches, no shoulders and a missing base. The cross section is plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 6.5 cm x 5.0 cm x 1.4 cm and it weighs 35.0 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear

resulting from scraping wood. This specimen is an unclassified type possibly associated with the Woodland Period.



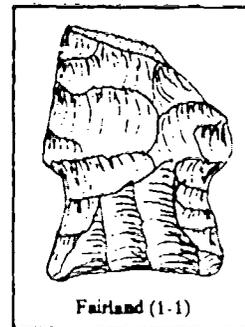
Sallisaw (1-15)

Artifact 1-15 is an arrow point. It is an expanding stem corner removed specimen with a missing tip, a damaged blade, square shoulders and a concave base. The cross section is irregular with no edge abrading and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 2.0 cm x 1.0 cm x 0.4 cm and it weighs 0.9 g. The stem measures 0.6 cm x 0.8 cm and comprises about 30% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Sallisaw type, which is associated with the Mississippi Period.

### 23PO376

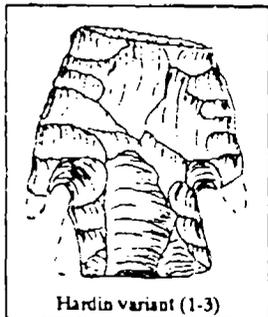
23PO376 is a prehistoric habitation exhibiting evidence of Middle to Late Archaic and Middle Woodland Period occupations. It was recorded by Howard Wimmer in 1985 when he collected 13 artifacts weighing 120.8 g. These included 3 biface fragments (20.8 g), 1 stemmed biface fragment (2.0 g), 1 stemmed biface (8.9 g), 4 bifacial knife fragments (37.1 g), 1 bifacial knife (6.0 g) and 3 preform fragments (46.0 g).

Artifact 1-1 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, sloping shoulders and a concave base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 3.4 cm x 2.4 cm x 0.6 cm and it weighs 6.5 g. The stem measures 1.4 cm x 2.3 cm and comprises about 41% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is a variant of the Fairland type, which is associated with the Late Archaic Period.



Fairland (1-1)

Artifact 1-2 is a stemmed biface. It is a corner removed contracting stem specimen with a missing tip, a damaged blade, missing shoulders and a straight base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 3.9 cm x 3.2 cm x 0.6 cm and it weighs 8.9 g. The stem measures 1.8 cm x 2.2 cm and comprises about 46% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Dickson type, which is associated with the Woodland Period.



Hardin variant (1-3)

Artifact 1-3 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a straight base. The cross section is

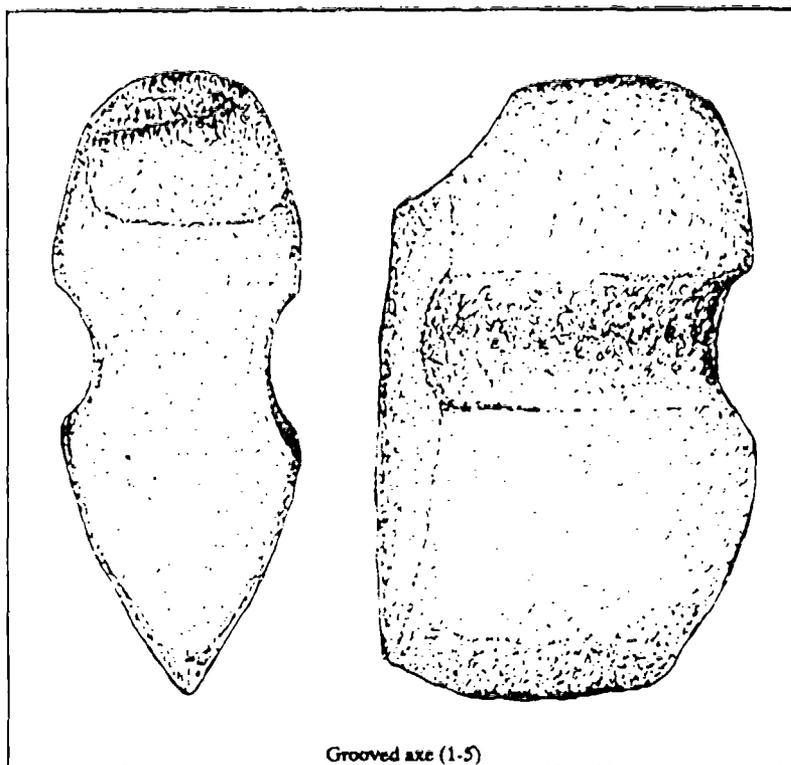
biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 3.3 cm x 2.9 cm x 0.6 cm and it weighs 6.0 g. The stem is 1.2 cm long and comprises about 36% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is a variant of the Hardin type, which is associated with the Middle Archaic Period. This biface has the Hardin shape and ground stem, but the edges are not as carefully pressure flaked as typical for Early Archaic specimens. These are probably Middle Archaic in age.

Artifacts cataloged as 1-6 include three bifacial knife midsections. These are unstemmed specimens with missing tips, damaged blades, no notches, no shoulders and missing bases. The cross sections are irregular with no edge abrading and no beveling. Together, they weigh 30.6 g. The raw materials include Jefferson City, heat-treated Pierson and Burlington cherts. Microscopic examination revealed wear resulting from cutting meat with bone contact. These are of an unclassified type not associated with a specific cultural period.

### 23PO377

23PO377 is a prehistoric habitation exhibiting evidence of Late to Terminal Archaic, Middle to Late Woodland, Mississippi and Late Prehistoric Period occupations. It was recorded by Howard Wimmer in 1985 when he collected 110 artifacts weighing 3,172.2 g. These included 1 flat abrader (764.2 g), 1 adze (68.3 g), 2 arrow point fragments (1.6 g), 4 arrow points (4.0 g), 1 3/4 grooved axe (268.6 g), 22 biface fragments (174.7 g), 5 stemmed biface fragments (33.5 g), 1 stemmed biface (8.0 g), 1 chert, notched (11.5 g), 1 dart point fragment (8.7 g), 1 bifacial drill (18.8 g), 1 hematite (27.0 g), 9 bifacial knife fragments (61.1 g), 11 bifacial knives (125.6 g), 1 knife/scrapper fragment (10.7 g), 1 knife/scrapper (2.0 g), 28 preform fragments (550.9 g), 12 preforms (878.2 g), 3 projectile point/knives (29.1 g), 1 bifacial end scrapper fragment (9.8 g), 1 bifacial end scrapper (13.7 g), 1 unifacial scrapper end (61.5 g) and 1 unifacial scrapper side fragment (40.7 g).

Artifacts cataloged as 1-3 include four bifacial knife midsections. These are unstemmed specimens with missing tips, damaged blades, no notches, no shoulders and missing bases. The cross sections are irregular with no edge abrading and no beveling. Together, they weigh 10.2 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. These specimens are of an unclassified type not associated with a specific cultural period.



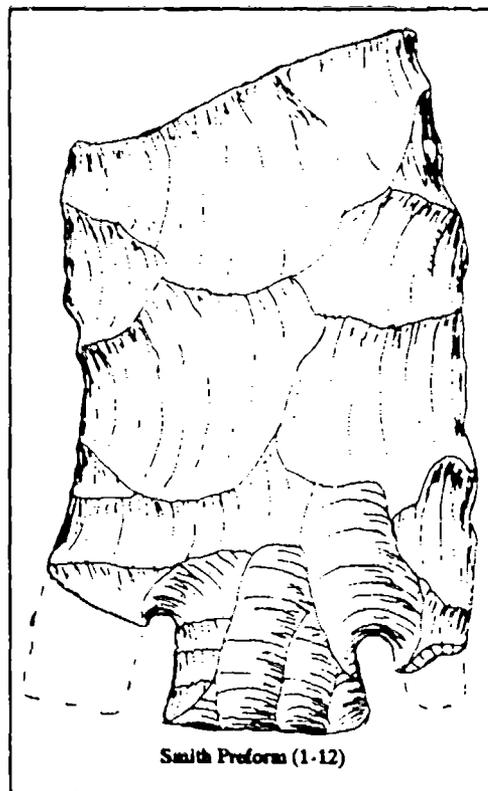
Grooved axe (1-5)

Artifact 1-5 is a  $\frac{3}{4}$  grooved axe. Maximum dimensions are 8.3 cm x 5.0 cm x 3.6 cm and it weighs 268.6 g. The bit is battered and the poll is damaged. The raw material is black igneous granite from an unknown source. The most likely source is the Missouri River, which contains granite redeposited by glacial action. Microscopic examination revealed no evidence of use-wear. It could have served as a heavy duty woodworking tool, although it seems small for such an application. It

may have also functioned as a weapon. This specimen is associated with the Late Archaic Period.

Artifact 1-6 is an adze. It is an unstemmed and unnotched specimen with an excurvate bit, a straight blade and a rounded base. The cross section is plano-convex with edge abrading on the hafting area and unifacial beveling on the bit. Maximum dimensions are 7.8 cm x 5.3 cm x 1.7 cm and it weighs 68.3 g. The raw material is oolitic Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed much battering on the bit as a result of cutting wood. There is also polish well up on the blade that resembles soil gloss, so the tool may have been used in digging as well. This specimen most closely resembles the Sedalia adze, which is associated with the Late Archaic Period.

Artifact 1-12 is a preform. It is a parallel stem specimen with a missing tip, a damaged blade, basal notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum



Smith Preform (1-12)

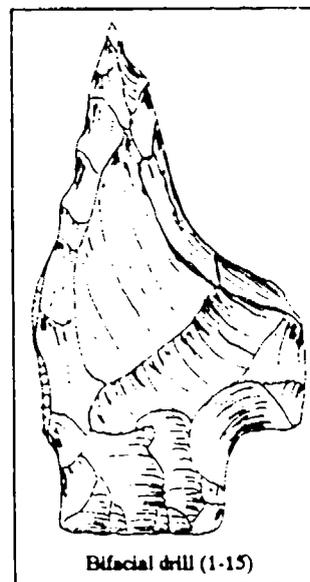
dimensions are 9.3 cm x 5.5 cm x 1.9 cm and it weighs 92.9 g. The stem measures 1.2 cm x 2.7 cm and comprises about 13% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is probably a preform for a Smith point, which is associated with the Late Archaic Period. The base has been thinned and the notches removed. However the blade is thick and roughed out with irregular percussion flakes. This informs about the manufacturing sequence in this example. The base was finished and notched before blade reduction was well developed.

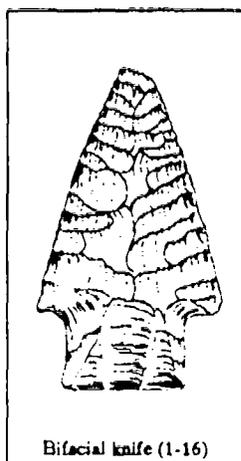


Artifact 1-13 is a bifacial knife. It is a parallel stem specimen with a missing tip, a damaged blade, basal notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 5.0 cm x 4.4 cm x 1.0 cm and it weighs 25.2 g. The stem measures 1.3 cm x 2.3 cm and comprises about 26% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Smith type, which is associated with the Late Archaic Period.

Artifact 1-14 is a bifacial knife midsection. It has a missing tip, a damaged blade, basal notches, barbed shoulders and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.8 cm x 4.9 cm x 1.0 cm and it weighs 16.8 g. The raw material is heat-treated Keokuk chert, which is abundant further south but may be available locally in highly restricted areas. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Smith type, which is associated with the Late Archaic Period.

Artifact 1-15 is a bifacial drill. It is a parallel stem specimen with a pointed tip, an incurvate blade, basal notches, square shoulders and a straight base. The cross section is plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 6.7 cm x 3.3 cm x 0.9 cm and it weighs 18.8 g. The stem measures 1.3 cm x 2.2 cm and comprises about 19% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from perforating. This specimen is resharpened and is an unclassified type possibly associated with the Late Archaic Period.





Bifacial knife (1-16)

Artifact 1-16 is a bifacial knife. It is a corner removed parallel stem specimen with a pointed tip, a straight blade, square shoulders and a straight base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 4.3 cm x 2.5 cm x 0.6 cm and it weighs 6.1 g. The stem measures 1.0 cm x 1.7 cm and comprises about 23% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and is an unclassified type possibly associated with the Late Archaic Period. The workmanship is far superior to that noted on Smith, Stone Square Stemmed and other similar points. It is finished with fine pressure flaking.

Artifact 1-17 is a projectile point/knife. It is an expanding corner removed stem specimen with a missing tip, a damaged blade, square shoulders and a straight base. The cross section is biconvex with edge abrading on the stem and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 4.0 cm x 2.4 cm x 0.7 cm and it weighs 7.0 g. The stem measures 1.1 cm x 1.5 cm and comprises about 28% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Table Rock Stemmed type, which is associated with the Late Archaic Period.



Table Rock Stemmed (1-17)

Artifact 1-18 is a bifacial knife. It is a corner removed specimen with a pointed tip, a straight blade, square shoulders and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 6.7 cm x 2.5 cm x 0.6 cm and it weighs 10.1 g. The raw material is Keokuk chert, which is abundant further south but may be available locally in highly restricted areas. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Table Rock Pointed Stem type, which is associated with the Mississippi Period.



Bifacial knife (1-19)

Artifact 1-19 is a bifacial knife. It is an expanding stem specimen with a rounded tip, an excurvate blade, corner notches, barbed shoulders and a concave base. The cross section is biconvex with edge abrading on the base and no beveling. Maximum dimensions are 2.3 cm x 2.3 cm x 0.4 cm and it weighs 2.0 g. The stem measures 0.9 cm x 1.2 cm and comprises about 39% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear

resulting from cutting meat without bone contact and from scraping wet hide. This specimen is resharpened and is an unclassified type possibly associated with the Late Archaic Period.

Artifact 1-20 is a bifacial knife. It is a corner removed contracting stem specimen with a missing tip, an excurvate blade, no shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.8 cm x 3.3 cm x 0.7 cm and it weighs 11.2 g. The stem measures 2.0 cm x 2.8 cm and comprises about 42% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type possibly associated with the Late Archaic Period. This contracting stem form has no shoulders, there is a continuous contraction from the junction of blade and stem to the rounded base. Dickson (1991:76) recovered a comparable biface in a Late Archaic context at the Albertson site.

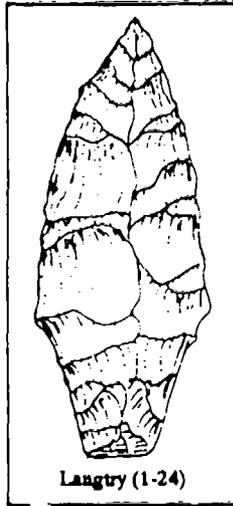
Artifact 1-21 is a bifacial knife. It is a corner removed contracting stem specimen with a pointed tip, an incurvate blade, missing shoulders and a concave base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.6 cm x 2.9 cm x 0.7 cm and it weighs 7.9 g. The stem measures 2.1 cm x 2.0 cm and comprises about 46% of the total length of the specimen. The raw material is Keokuk chert, which is abundant further south but may be available locally in highly restricted areas. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is exhausted and most closely resembles the Dickson type, which is associated with the Woodland Period. This point has been resharpened to exhaustion, with blade incurved and a short point at the distal end. This short tip may also have been used to perforate soft material since some use polish is present on it. The wide shoulders have been broken off.



Artifact 1-22 is a bifacial knife proximal. It is a corner removed contracting stem specimen with a missing tip, a damaged blade, sloping shoulders and a concave base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 3.5 cm x 3.2 cm x 0.6 cm and it weighs 7.5 g. The stem measures 1.6 cm x 2.1 cm and comprises about 46% of the total length of the specimen. The raw material is heat-treated Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Dickson type, which is associated with the Woodland Period.

Artifact 1-23 is a projectile point/knife. It is a corner removed contracting stem specimen with a missing tip, a damaged blade, sloping shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. The tip has been carried

away by an impact fracture. Maximum dimensions are 5.7 cm x 2.7 cm x 0.8 cm and it weighs 13.0 g. The stem measures 1.5 cm x 2.2 cm and comprises about 26% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Standlee type, which is associated with the Woodland Period.



Artifact 1-24 is a bifacial knife. It is a corner removed contracting stem specimen with a pointed tip, an excurvate blade, sloping shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 5.7 cm x 2.2 cm x 0.7 cm and it weighs 8.2 g. The stem measures 1.5 cm x 1.9 cm and comprises about 26% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Langtry type, which is associated with the Late Archaic through Woodland periods.

Artifact 1-25 is a bifacial knife proximal. It is a corner removed contracting stem specimen with a missing tip, a damaged blade, sloping shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.9 cm x 3.3 cm x 0.8 cm and it weighs 6.9 g. The stem measures 1.4 cm x 2.1 cm and comprises about 48% of the total length of the specimen. The raw material is Keokuk chert, which is abundant further south but may be available locally in highly restricted areas. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Langtry type, which is associated with the Late Archaic through Woodland periods.

Artifact 1-26 is a bifacial knife/scrapper proximal. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, sloping shoulders and a straight base. The cross section is biconvex with no edge abrading and unifacial beveling. Maximum dimensions are 3.8 cm x 3.1 cm x 0.8 cm and it weighs 10.7 g. The stem measures 1.7 cm x 3.2 cm and comprises about 45% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact and from scraping wet hide. This specimen is resharpened and most closely resembles the Rice Side Notched type, which is associated with the Woodland Period.



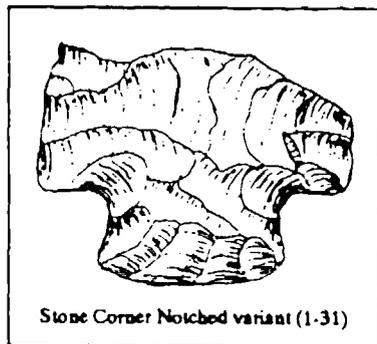
Artifact 1-27 is a stemmed biface proximal. It is an expanding stem specimen with a missing tip and blade, side notches, sloping shoulders and a concave base. The cross

section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 2.3 cm x 2.3 cm x 0.6 cm and it weighs 4.2 g. The stem measures 1.3 cm x 2.3 cm and comprises about 57% of the total length of the specimen. The raw material is heat-treated Pierson chert, which is abundant in the Branson area and may be exposed in limited areas locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Rice Side Notched type, which is associated with the Woodland Period.

Artifact 1-28 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip and blade, side notches, no shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.0 cm x 2.5 cm x 0.8 cm and it weighs 6.7 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is exhausted and most closely resembles the Rice Side Notched type, which is associated with the Woodland Period.

Artifact 1-29 is a bifacial knife. It is an expanding stem corner removed specimen with a missing tip, a damaged blade, sloping shoulders and a straight base. The cross section is biconvex with edge abrading on the stem and beveling on the right blade edge. Maximum dimensions are 2.5 cm x 1.8 cm x 0.5 cm and it weighs 2.4 g. The stem measures 1.0 cm x 1.6 cm and comprises about 40% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is exhausted and is a variant of the Table Rock Stemmed type, which is associated with the Late Archaic Period.

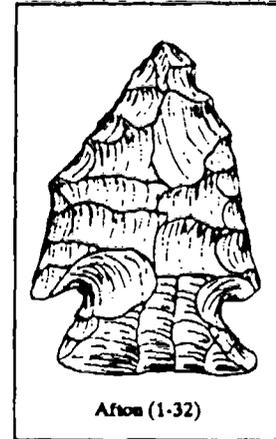
Artifact 1-30 is an arrow point stem. It is an expanding stem specimen with a missing tip and blade, corner removed square shoulders and a straight base. The cross section is plano-convex with edge abrading on the stem and no beveling. Maximum dimensions are 1.4 cm x 1.9 cm x 0.4 cm and it weighs 1.3 g. The stem measures 0.7 cm x 1.0 cm and comprises about 50% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type possibly associated with the Woodland or Mississippi Period.



Artifact 1-31 is a bifacial knife proximal. It is an expanding stem corner removed specimen with a missing tip and blade, square shoulders and a convex base. The cross section is biconvex with edge abrading on the base and no beveling. Maximum dimensions are 3.1 cm x 4.2 cm x 1.0 cm and it weighs 13.0 g. The stem measures 1.2 cm x 2.4 cm and comprises about 39% of the total length of the specimen. The raw material is Keokuk chert, which is abundant further south but may be available locally in highly restricted areas. Microscopic examination revealed no evidence of use-wear. This

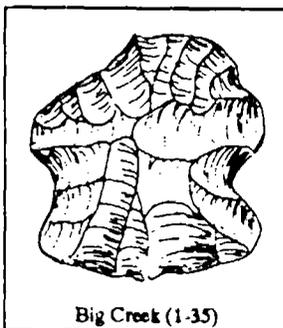
specimen is a variant of the Stone Corner Notched type, which is associated with the Late Archaic Period.

Artifact 1-32 is a bifacial knife. It is an expanding stem specimen with a pointed tip, an asymmetrical blade, corner notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.2 cm x 2.8 cm x 0.6 cm and it weighs 7.8 g. The stem measures 1.0 cm x 2.6 cm and comprises about 24% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Afton type, which is associated with the Late Archaic Period. The angular blade margin typical of Afton is present only on one side. This angle has been removed by resharpening on the opposite blade margin.



Artifact 1-33 is a dart point stem. It is an expanding stem specimen with a missing tip and blade, corner notches, missing shoulders and a straight base. The cross section is biconvex with edge abrading on the base and stem and no beveling. The tip and blade have been carried away by an impact fracture. Maximum dimensions are 3.6 cm x 2.2 cm x 0.8 cm and it weighs 8.7 g. The stem measures 1.0 cm x 2.2 cm and comprises about 28% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed no evidence of use-wear. This specimen is exhausted and is a variant of the Stone Corner Notched type, which is associated with the Late Archaic Period.

Artifact 1-34 is a biface stem. It is an expanding stem specimen with a missing tip and blade, corner notches, missing shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.0 cm x 3.2 cm x 0.9 cm and it weighs 9.4 g. The stem measures 1.6 cm x 3.0 cm and comprises about 53% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Big Creek type, which is associated with the Late Archaic Period.



Artifact 1-35 is a stemmed biface. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, damaged shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.3 cm x 2.9 cm x 0.7 cm and it weighs 8.0 g. The stem measures 1.5 cm x 2.9 cm and comprises about 45% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys.

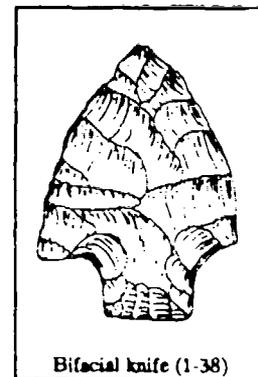
Microscopic examination revealed no evidence of use-wear. This specimen is exhausted

and most closely resembles the Big Creek type, which is associated with the Late Archaic Period.

Artifact 1-36 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.5 cm x 3.0 cm x 0.6 cm and it weighs 5.2 g. The stem is 1.0 cm long and comprises about 40% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and is a variant of the Big Creek type, which is associated with the Late Archaic Period.

Artifact 1-37 is a stemmed biface proximal. It is a corner removed parallel stem specimen with a missing tip and blade, damaged shoulders and a straight base. The cross section is plano-convex with no edge abrading and no beveling. Maximum dimensions are 3.9 cm x 3.4 cm x 1.0 cm and it weighs 15.5 g. The stem measures 1.4 cm x 1.9 cm and comprises about 36% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Smith type, which is associated with the Late Archaic Period.

Artifact 1-38 is a bifacial knife. It is a parallel stem specimen with a pointed tip, an excurvate blade, basal notches, barbed shoulders and a straight base. The cross section is rhomboidal with no edge abrading and beveling on the left edge of the blade. Maximum dimensions are 3.5 cm x 2.4 cm x 0.7 cm and it weighs 5.6 g. The stem measures 0.7 cm x 1.2 cm and comprises about 20% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and is an unclassified type possibly associated with the Late Archaic Period. A similar biface was found in a Late Archaic context at Albertson shelter (Dickson 1991:77) where it was labeled LA-5 and functioned as cutting tool.



Artifact 1-39 is a projectile point/knife. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, sloping shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 4.6 cm x 2.6 cm x 0.7 cm and it weighs 9.1 g. The stem measures 0.9 cm long and comprises about 20% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact.. This specimen is an unclassified type not associated with a specific cultural period.



Artifact 1-40 is an arrow point. It is an expanding stem specimen with a pointed tip, a straight blade, corner notches, square shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.6 cm x 1.2 cm x 0.5 cm and it weighs 1.3 g. The stem measures 0.7 cm x 0.9 cm and comprises about 27% of the total specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Scallorn type, which is associated with the Late Woodland through Mississippi periods.

Artifact 1-41 is an arrow point. It is an expanding stem specimen with a pointed tip, a straight blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.6 cm x 1.2 cm x 0.4 cm and it weighs 0.9 g. The stem measures 0.6 cm x 0.7 cm and comprises about 23% of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Sequoyah type, which is associated with the Late Woodland through Mississippi periods.



Artifact 1-42 is an arrow point. It is an expanding stem specimen with a pointed tip, an excurvate blade, side notches, square shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.1 cm x 1.0 cm x 0.4 cm and it weighs 0.7 g. The stem measures 0.6 cm x 0.8 cm and comprises about 29% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Scallorn type, which is associated with the Late Woodland through Mississippi periods.

Artifact 1-43 is an arrow point. It is an unstemmed specimen with a missing tip, a lanceolate blade, no notches, no shoulders and a concave base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.7 cm x 1.3 cm x 0.3 cm and it weighs 1.1 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Fresno type, which is associated with the Late Prehistoric Period.



Artifact 1-44 is an arrow point distal fragment. It has a missing tip, a damaged blade, no notches, no shoulders and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.3 cm x 0.9 cm x 0.3 cm and it weighs 0.3 g. The raw material is Reeds Spring chert, which is found

in southwest Missouri and northwest Arkansas into northeast Oklahoma and extreme southeast Kansas. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type possibly associated with the Late Woodland through Mississippi periods.

Artifact 1-49 is a bifacial knife. It is an unstemmed specimen with a pointed tip, a lanceolate blade, no notches, no shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 8.0 cm x 4.4 cm x 0.9 cm and it weighs 35.9 g. The raw material is Elsey chert, which is generally found further south. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is a variant of the Red Ochre type, which is associated with the Late Archaic Period.

Artifact 1-51 is a bifacial end scraper. It is an unstemmed specimen with a rounded tip, an excurvate blade, no notches, no shoulders and a convex base. The cross section is plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 4.3 cm x 2.5 cm x 1.2 cm and it weighs 13.7 g. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from scraping dry hide. This specimen is resharpened and is an unclassified type possibly associated with the Late Prehistoric Period.

Artifact 1-52 is a bifacial end scraper. It is an unstemmed specimen with a rounded tip, an asymmetrical blade, no notches, no shoulders and a missing base. The cross section is plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 3.0 cm x 2.4 cm x 0.8 cm and it weighs 9.8 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from scraping wet hide. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-53 is a unifacial end scraper. It is an unstemmed specimen with a rounded tip, an excurvate blade, no notches, no shoulders and a convex base. The cross section is irregular with no edge abrading and unifacial beveling. Maximum dimensions are 7.0 cm x 4.3 cm x 1.1 cm and it weighs 61.5 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from scraping a gritty substance, possibly dried pottery. This specimen is an unclassified type possibly associated with the Woodland Period.

Artifact 1-54 is a unifacial side scraper distal. It is an unstemmed specimen with a rounded tip, an excurvate blade, no notches, no shoulders and a missing base. The cross section is plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 6.3 cm x 5.2 cm x 1.1 cm and it weighs 40.7 g. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from scraping wet hide. This specimen is an unclassified type not associated with a specific cultural period.

## 23PO378

23PO378 is a prehistoric habitation exhibiting evidence of Late Archaic, Late Woodland and Mississippi Period occupations. It was recorded by Howard Wimmer in 1985 when he collected 12 artifacts weighing 108.6 g. These included 1 stemmed biface fragment (4.6 g), 1 bifacial knife fragment (4.2 g), 1 bifacial knife (5.3 g) and 9 preform fragments (94.5 g).



Artifact 1-2 is a bifacial knife. It is an expanding stem specimen with a missing tip and blade, corner notches, missing shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.5 cm x 3.3 cm x 0.5 cm and it weighs 5.3 g. The stem measures 1.0 cm x 2.1 cm and comprises about 40% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is a variant of the Stone Corner Notched type, which is associated with the Late Archaic Period.

Artifact 1-3 is a preform proximal. It is an unstemmed specimen with a missing tip and blade, no notches, no shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.2 cm x 2.1 cm x 0.4 cm and it weighs 2.9 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type possibly associated with the Late Woodland through Mississippi periods.

Artifact 1-5 is a bifacial knife proximal. It is an unstemmed specimen with a missing tip, a damaged blade, no notches, no shoulders and a missing base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.9 cm x 2.2 cm x 0.5 cm and it weighs 4.2 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

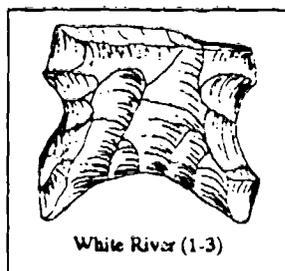
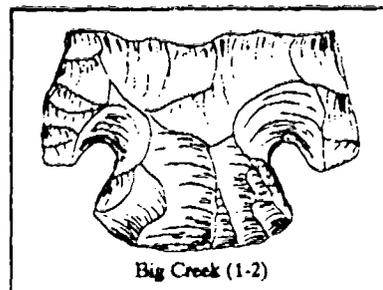
## 23PO379

23PO379 is a prehistoric habitation exhibiting evidence of Middle to Late Archaic and Middle Woodland Period occupations. It was recorded by Howard Wimmer in 1985 when he collected 6 artifacts weighing 56.8 g. These included 1 stemmed biface fragment (3.0 g), 1 dart point fragment (6.6 g), 3 bifacial knife fragments (35.2 g) and 1 bifacial knife (12.0 g).

Artifact 1-1 is a bifacial knife. It is an expanding stem specimen with a pointed tip, a damaged blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with edge abrading on the base and no beveling. Maximum dimensions are 4.9

cm x 3.4 cm x 0.8 cm and it weighs 12.0 g. The stem measures 1.3 cm x 3.0 cm and comprises about 27% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is resharpened and most closely resembles the Grand type, which is associated with the Woodland Period.

Artifact 1-2 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.8 cm x 4.2 cm x 0.9 cm and it weighs 10.1 g. The stem measures 1.3 cm x 2.5 cm and comprises about 46% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Big Creek type, which is associated with the Late Archaic Period.



Artifact 1-3 is a dart point fragment. It is an expanding stem specimen with a missing tip and blade, side notches, sloping shoulders and a concave base. The cross section is biconvex with edge abrading on the base and stem and no beveling. Maximum dimensions are 2.5 cm x 2.9 cm x 0.8 cm and it weighs 6.6 g. The stem measures 1.5 cm x 2.8 cm and comprises about 60% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed

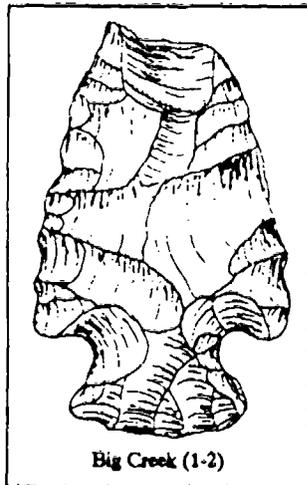
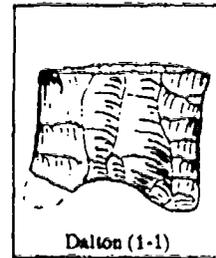
no evidence of use-wear. This specimen most closely resembles the White River type, which is associated with the Middle Archaic Period.

Artifacts cataloged as 1-5 include two bifacial knife midsections. They are unstemmed specimens with missing tips, damaged blades, no notches, no shoulders and missing bases. The cross sections are irregular with no edge abrading and no beveling. Together, they weigh 25.1 g. The raw materials include plain and heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. These specimens are of an unclassified type not associated with a specific cultural period.

### 23PO380

23PO380 is a prehistoric habitation exhibiting evidence of Early and Late Archaic and Late Woodland Period occupations. It was recorded by Howard Wimmer in 1985 when he collected 20 artifacts weighing 365.4 g. These included 1 adze fragment (26.4 g), 1 adze (60.1 g), 4 stemmed biface fragments (27.1 g), 1 dart point fragment (6.0 g), 2 bifacial knife fragment (37.1 g), 3 bifacial knives (34.2 g), 5 preform fragments (96.5 g), 1 preform (55.1 g) and 2 projectile point/knives (22.9 g).

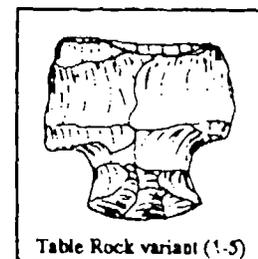
Artifact 1-1 is a stemmed biface proximal. It is a parallel stem specimen with a missing tip and blade, no notches, no shoulders and a damaged base. The cross section is biconvex with edge abrading on the base and stem and no beveling. Maximum dimensions are 1.9 cm x 2.1 cm x 0.6 cm and it weighs 2.9 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Dalton type, which is associated with the Early Archaic Period.



Artifact 1-2 is a projectile point/knife. It is an expanding stem specimen with a missing tip, an excurvate blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. The tip and most of the blade have been carried away by an impact fracture. Maximum dimensions are 5.4 cm x 3.3 cm x 0.9 cm and it weighs 16.0 g. The stem measures 1.3 cm x 2.4 cm and comprises about 24% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen most closely resembles the Big Creek type, which is associated with the Late Archaic Period.

Artifact 1-3 is a stemmed biface proximal. It is an expanding stem specimen with a missing tip, an excurvate blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with edge abrading on the base and stem and no beveling. Maximum dimensions are 3.1 cm x 4.4 cm x 1.1 cm and it weighs 15.1 g. The stem measures 1.3 cm x 2.4 cm and comprises about 42% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Big Creek type, which is associated with the Late Archaic Period.

Artifact 1-4 is a biface stem. It is an expanding stem specimen with a missing tip and blade, corner notches, missing shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.2 cm x 2.8 cm x 0.7 cm and it weighs 5.6 g. The stem measures 1.2 cm x 2.0 cm and comprises about 55% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Big Creek type, which is associated with the Late Archaic Period.



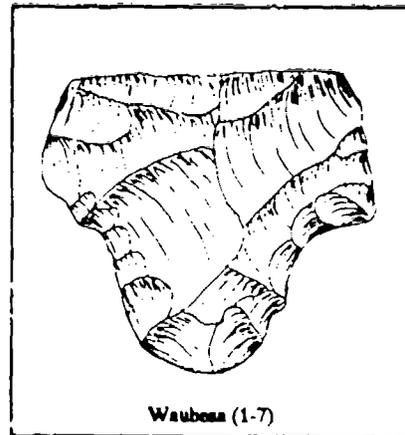
Artifact 1-5 is a stemmed biface proximal. It is an expanding stem corner removed specimen with a missing tip, a damaged blade,

square shoulders and a convex base. The cross section is biconvex with edge abrading on the base and stem and no beveling. Maximum dimensions are 2.2 cm x 2.4 cm x 0.6 cm and it weighs 3.5 g. The stem measures 0.9 cm x 1.4 cm and comprises about 41% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is a variant of the Table Rock Stemmed type, which is associated with the Late Archaic Period.

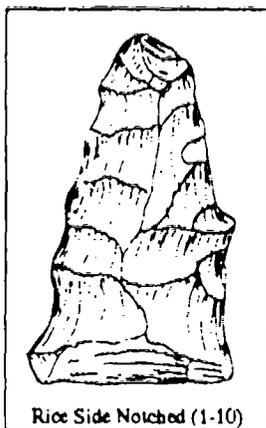


Artifact 1-6 is a bifacial knife proximal. It is a parallel stem specimen with a missing tip, a damaged blade, basal notches, barbed shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.2 cm x 4.0 cm x 0.9 cm and it weighs 18.4 g. The stem is 1.2 cm long and comprises about 29% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Smith type, which is associated with the Late Archaic Period.

Artifact 1-7 is a bifacial knife. It is a corner removed contacting stem specimen with a missing tip, a damaged blade, sloping shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.9 cm x 4.4 cm x 0.9 cm and it weighs 16.8 g. The stem measures 1.5 cm x 2.4 cm and comprises about 38% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Waubesa type, which is associated with the Woodland Period.



Artifact 1-8 is a bifacial knife proximal. It is a corner removed contracting stem specimen with a missing tip, a damaged blade, sloping shoulders and a straight base. The cross section is plano-convex with edge abrading on the stem and no beveling. Maximum dimensions are 4.9 cm x 4.0 cm x 1.0 cm and it weighs 18.7 g. The stem measures 1.1 cm x 2.1 cm and comprises about 22% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type possibly associated with the Woodland Period.



Artifact 1-10 is a bifacial knife. It is an expanding stem specimen with a rounded tip, an asymmetrical blade, side notches, no shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.6 cm x 2.6 cm x 0.7 cm and it weighs 8.1 g. The stem measures 1.5 cm x 2.5 cm and comprises about 33% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is exhausted and most closely resembles the Rice Side Notched type, which is associated with the Woodland Period.

Artifact 1-11 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, missing shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.2 cm x 2.7 cm x 0.7 cm and it weighs 9.3 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Rice Side Notched type, which is associated with the Woodland Period.

Artifact 1-12 is a projectile point/knife. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, sloping shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 3.6 cm x 2.4 cm x 0.7 cm and it weighs 6.9 g. The stem is 0.9 cm long and comprises about 25% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is resharpened and most closely resembles the Rice Side Notched type, which is associated with the Woodland Period.

Artifact 1-13 is a dart point stem proximal. It is a parallel stem specimen with a missing tip and blade, no notches, missing shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. The tip and blade have been carried away by an impact fracture. Maximum dimensions are 3.4 cm x 2.0 cm x 0.7 cm and it weighs 6.0 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is exhausted and is an unclassified type possibly associated with the Late Archaic Period.

Artifact 1-15 is an adze. It is an unstemmed specimen with a missing tip, an excruciate blade, no notches, no shoulders and a straight base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 7.4 cm x 4.2 cm x 2.1 cm and it weighs 60.1 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting wood. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-16 is an adze midsection. It is an unstemmed specimen with a missing tip, an excurvate blade, no notches, no shoulders and a missing base. The cross section is plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 5.2 cm x 3.8 cm x 1.2 cm and it weighs 26.4 g. The raw material is Keokuk chert, which is abundant further south but may be available locally in highly restricted areas. Microscopic examination revealed wear resulting from cutting wood. This specimen is resharpened and is an unclassified type not associated with a specific cultural period.

### 23PO381

23PO381 is a prehistoric habitation exhibiting evidence of Early and Late Archaic, Middle to Late Woodland, Mississippi and Late Prehistoric Period occupations. It was recorded by Howard Wimmer in 1985 when he collected 94 artifacts weighing 1,311.3 g. These included 1 adze (71.1 g), 3 arrow point fragments (2.4 g), 15 arrow points (11.6 g), 4 stemmed biface fragments (17.6 g), 3 dart points (15.0 g), 1 bifacial drill (5.3 g), 22 bifacial knife fragments (173.9 g), 13 bifacial knives (220.8 g), 28 preform fragments (751.8 g), 2 preforms (7.3 g), 1 flake scraper fragment (16.1 g) and 1 unifacial scraper end (18.4 g).

Artifact 1-1 is a bifacial knife. It is an expanding stem specimen with a pointed tip, an asymmetrical blade, side notches, sloping shoulders and a concave base. The cross section is rhomboidal with no edge abrading and beveling on the left edge of the blade. Maximum dimensions are 5.0 cm x 2.5 cm x 0.6 cm and it weighs 7.8 g. The stem measures 1.2 cm x 2.5 cm and comprises about 24% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Rice Side Notched type, which is associated with the Woodland Period.

Artifact 1-2 is a bifacial knife. It is a parallel stem specimen with a missing tip, a damaged blade, no notches, sloping shoulders and a concave base. The cross section is plano-convex with edge abrading on the stem and unifacial beveling. Maximum dimensions are 5.1 cm x 2.3 cm x 0.9 cm and it weighs 11.9 g. The stem measures 1.4 cm x 2.6 cm and comprises about 27% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is exhausted and is a variant of the Dalton type, which is associated with the Early Archaic Period.



Artifacts cataloged as 1-3 include 10 bifacial knife distals with pointed tips, excurvate blades and missing shoulders stems and bases. The cross section is Biconvex with no edge abrading and no beveling. Together they weigh 64.3 g. The raw materials include both plain and heat-treated Burlington chert, which is found locally. Microscopic

examination revealed wear resulting from cutting meat with bone contact. These are of an unclassified type not associated with a specific cultural period.

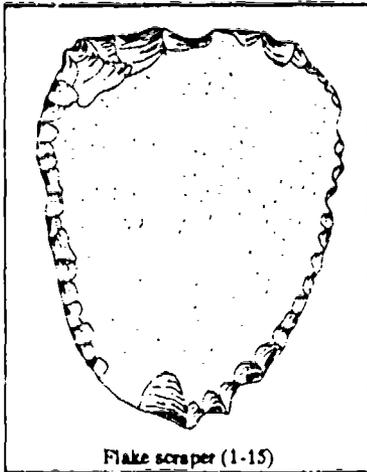
Artifacts cataloged as 1-5 include four bifacial knife midsection fragments. All have missing tips, excurvate blades and missing shoulders, stems and bases. The cross sections are irregular with no edge abrading and no beveling. Together they weigh 23.7 g. The raw materials include both plain and heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. These specimens are an unclassified type not associated with a specific cultural period.

Artifact 1-9 is a bifacial knife. It is an unstemmed specimen with a rounded tip, an excurvate blade, no notches, no shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.9 cm x 2.5 cm x 0.8 cm and it weighs 10.6 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-10 is a bifacial knife proximal. It is a contracting stem specimen with a missing tip, an excurvate blade, no notches, sloping shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 5.9 cm x 3.3 cm x 1.2 cm and it weighs 25.0 g. The stem measures 2.5 cm x 2.5 cm and comprises about 42% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type possibly associated with the Woodland Period.

Artifact 1-13 is a bifacial knife. It is an parallel stem specimen with a rounded tip, an asymmetrical blade, no notches, sloping shoulders and a convex base. The cross section is rhomboidal with edge abrading on the blade, which is also beveled on the left side. Maximum dimensions are 10.7 cm x 4.2 cm x 1.8 cm and it weighs 83.7 g. The stem measures 3.0 cm x 2.8 cm and comprises about 28% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-14 is an elliptical adze. It is an unstemmed specimen with a rounded tip, an excurvate blade, no notches, no shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 9.0 cm x 4.9 cm x 1.7 cm and it weighs 71.1 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting wood. This specimen is an unclassified type not associated with a specific cultural period.



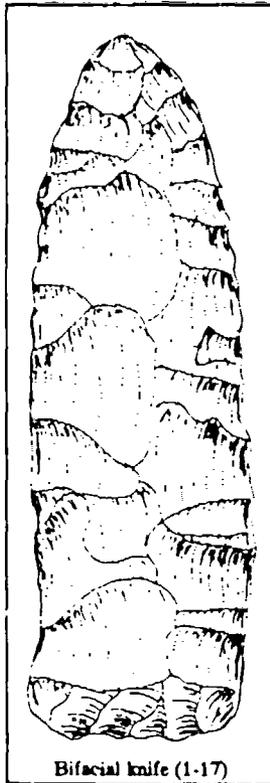
Flake scraper (1-15)

Artifact 1-15 is a flake scraper. It is made from a medium thick egg-shaped decortication flake with all margins unifacially pressure flaked to produce a scraper. The cross section is plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 5.2 cm x 4.1 cm x 0.5 cm and it weighs 16.1 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from scraping wet hide. It is wider than most Late Prehistoric scrapers and thus is probably of Woodland origin.



Unifacial End Scraper (1-16)

Artifact 1-16 is a unifacial end scraper. The cross section is plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 4.7 cm x 2.9 cm x 1.0 cm and it weighs 18.4 g. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from scraping wet hide. This specimen is an unclassified type possibly associated with the Late Prehistoric Period.



Bifacial knife (1-17)

Artifact 1-17 is a lanceolate bifacial knife. It is an unstemmed specimen with a rounded tip, an excurvate blade, no notches, no shoulders and a convex base. It is parallel sided most of its length and then tapers to a rounded point. It probably has been hafted. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 9.3 cm x 2.8 cm x 1.2 cm and it weighs 34.9 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and is an unclassified type not associated with a specific cultural period.

Artifact 1-18 is a bifacial knife. It is an expanding stem specimen with a rounded tip, an asymmetrical blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 5.6 cm x 3.2 cm x 0.8 cm and it weighs 6.3 g. The stem measures 1.1 cm x 2.2 cm and comprises about 20% of the total length of the specimen. The raw material is



Stone Corner Notched (1-18)

heat-treated Burlington chert, which is found locally. Microscopic examination showed wear from cutting meat with bone contact. This specimen most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.

Artifact 1-19 is a bifacial knife. It is a parallel stem specimen with a missing tip, a damaged blade, missing shoulders and a convex base. The cross section is plano-convex with no edge abrading and no beveling. Maximum dimensions are 5.7 cm x 3.2 cm x 1.0 cm and it weighs 19.7 g. The stem measures 1.4 cm x 1.9 cm and comprises about 25% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Smith type, which is associated with the Late Archaic Period.

Artifact 1-20 is a bifacial knife. It is an expanding stem specimen with a missing tip, a straight blade, corner notches, barbed shoulders and a straight base. The cross section is rhomboidal with no edge abrading and beveling on the left side of the blade. Maximum dimensions are 3.6 cm x 2.2 cm x 0.7 cm and it weighs 6.5 g. The stem measures 0.9 cm x 2.0 cm and comprises about 25% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Ensor type, which is associated with the Late Archaic Period.

Artifact 1-21 is a dart point. It is an expanding stem specimen with a missing tip and blade, corner notches, barbed shoulders and a convex base. The tip and most of the blade have been carried away by an impact fracture. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 2.8 cm x 3.8 cm x 1.0 cm and it weighs 10.0 g. The stem measures 1.3 cm x 2.7 cm and comprises about 46% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Big Creek type, which is associated with the Late Archaic Period.

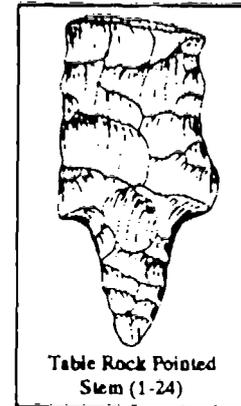
Artifact 1-22 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.1 cm x 2.8 cm x 0.6 cm and it weighs 7.0 g. The stem measures 0.7 cm x 1.8 cm and comprises about 23% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Ensor type, which is associated with the Late Archaic Period.

Artifact 1-23 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, a straight blade, side notches, square shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.6



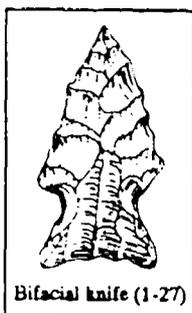
cm x 3.0 cm x 0.7 cm and it weighs 7.9 g. The stem measures 1.3 cm x 2.5 cm and comprises about 36% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Steuben type, which is associated with the Middle Woodland Period.

Artifact 1-24 is a bifacial knife. It is a contracting stem specimen with a missing tip, an asymmetrical blade, corner removed, sloping shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.2 cm x 2.1 cm x 0.7 cm and it weighs 6.1 g. The stem measures 1.6 cm x 1.1 cm and comprises about 33% of the total length of the specimen. The raw material is an unidentified, probably non-local chert. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Table Rock Pointed Stem type, which is associated with the Late Woodland and Mississippi periods.



Artifact 1-25 is a bifacial knife. It is a contracting stem specimen with a missing tip, an Incurvate blade, corner removed, sloping shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.1 cm x 2.2 cm x 0.8 cm and it weighs 5.5 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is exhausted and most closely resembles the Table Rock Pointed Stem type, which is associated with the Late Woodland and Mississippi periods.

Artifact 1-26 is a bifacial knife proximal. It is a parallel stem specimen with a missing tip, an excurvate blade, basal notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.0 cm x 3.8 cm x 1.2 cm and it weighs 9.3 g. The stem measures 1.6 cm x 1.8 cm and comprises about 40% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen most closely resembles the Smith type, which is associated with the Late Archaic Period.



Artifact 1-27 is a bifacial knife. It is an expanding stem specimen with a pointed tip, a straight blade, side notches, sloping shoulders and a concave base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 3.1 cm x 1.7 cm x 0.6 cm and it weighs 3.0 g. The stem measures 1.1 cm x 1.6 cm and comprises about 35% of the total length of the specimen. The raw material is heat-treated Jefferson City chert, which is found locally in the

deeper valleys. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is exhausted and is an unclassified type possibly associated with the Late Archaic Period. This biface is small enough to be classified as an arrow point, but the stem is thicker than usual. The shape resembles the Fairland type of the Late Archaic and it may be a small much resharpened example.

Artifact 1-28 is a dart point. It is an expanding stem specimen with a pointed tip, a damaged blade, corner notches, barbed shoulders and a concave base. The cross section is biconvex with no edge abrading and no beveling. The tip has been damaged by an impact fracture. Maximum dimensions are 2.9 cm x 1.7 cm x 0.6 cm and it weighs 2.8 g. The stem measures 0.7 cm x 1.4 cm and comprises about 24% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. An example of this small biface was found in a Middle Woodland context at Albertson shelter (3BE174) (Dickson 1991:95).



Dart point (1-28)



Dart point (1-29)

Artifact 1-29 is a dart point. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a concave base. The cross section is biconvex with edge abrading on the stem and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 2.5 cm x 1.9 cm x 0.6 cm and it weighs 2.2 g. The stem measures 1.1 cm x 1.4 cm and comprises about 44% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is the same type as 1-28 and is an unclassified type possibly associated with the Middle Woodland Period.

Artifact 1-31 is a bifacial knife proximal. It is a corner removed parallel stem specimen with a missing tip, a damaged blade, square shoulders and a damaged base. The cross section is biconvex with no edge abrading and beveling on the left side of the blade. Maximum dimensions are 2.4 cm x 2.2 cm x 0.5 cm and it weighs 3.1 g. The stem measures 0.9 cm long and comprises about 38% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type possibly associated with the Woodland Period.

Artifact 1-32 is a bifacial knife proximal. It is a parallel stem specimen with a missing tip, a damaged blade, basal notches, square shoulders and a straight base. The cross section is plano-convex with no edge abrading and no beveling. Maximum dimensions are 3.1 cm x 3.2 cm x 1.0 cm and it weighs 10.1 g. The stem measures 0.8 cm x 1.5 cm and comprises about 26% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear

resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-33 is a bifacial knife proximal. It is a parallel stem specimen with a missing tip, an excurvate blade, corner removed, square shoulders and a damaged base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 3.6 cm x 2.5 cm x 0.8 cm and it weighs 6.8 g. The stem measures 1.5 cm x 1.3 cm and comprises about 42% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-34 is a bifacial knife midsection. It has a missing tip, an excurvate blade, corner notches, square shoulders and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 5.2 cm x 3.1 cm x 0.7 cm and it weighs 12.3 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Big Creek or Stone Corner Notched type, both of which are associated with the Late Archaic Period.

Artifact 1-35 is a bifacial knife midsection. It has a missing tip, a damaged blade, corner notches, barbed shoulders and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.0 cm x 3.5 cm x 1.0 cm and it weighs 11.4 g. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type possibly associated with the Late Archaic Period.

Artifact 1-36 is a bifacial drill. It is an unstemmed specimen with a missing tip, a damaged blade, side notches, no shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.3 cm x 2.6 cm x 0.6 cm and it weighs 5.3 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from perforating. It is a side-notched biface that was reworked into a perforator. This specimen is an unclassified type possibly associated with the Woodland Period.



Artifact 1-37 is an arrow point. It is an unstemmed specimen with a missing tip, a straight blade, side notches, no shoulders and a straight base. The cross section is plano-convex with no edge abrading and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 1.9 cm x 1.2 cm x 0.3 cm and it weighs 0.6 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This

specimen most closely resembles the Reed type, which is associated with the Mississippi Period.

Artifact 1-38 is an arrow point. It is an unstemmed specimen with a pointed tip, a straight blade, side notches, no shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.9 cm x 0.9 cm x 0.3 cm and it weighs 0.5 g. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed. This specimen most closely resembles the Reed type, which is associated with the Mississippi Period.



Artifact 1-39 is an arrow point. It is an unstemmed specimen with a pointed tip, a straight blade, side notches, no shoulders and a concave base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.8 cm x 1.1 cm x 0.3 cm and it weighs 0.6 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Washita peno type, which is associated with the Mississippi Period.



Artifact 1-40 is an arrow point. It is an unstemmed specimen with a pointed tip, an excurvate blade, no notches, no shoulders and a concave base. The cross section is plano-convex with no edge abrading and no beveling. Maximum dimensions are 2.4 cm x 1.1 cm x 0.3 cm and it weighs 0.6 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is a variant of the Fresno type, which is associated with the Late Prehistoric Period.

Artifact 1-41 is an arrow point. It is an expanding stem specimen with a pointed tip, a straight blade, corner notches, square shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.1 cm x 1.4 cm x 0.5 cm and it weighs 2.0 g. The stem measures 0.6 cm x 1.0 cm and comprises about 19% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Scallorn Coryell type, which is associated with the Late Woodland and Mississippi periods.



Artifact 1-42 is an arrow point. It is an expanding stem specimen with a pointed tip, a straight blade, corner notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.2 cm x 1.0 cm x 0.4 cm and it weighs 0.6 g. The stem measures 0.6 cm x 0.7 cm and comprises about 27% of the total length of the specimen. The raw material is Jefferson

City chert, which is found locally in the deeper valleys. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Scallorn Coryell type, which is associated with the Mississippi Period.

Artifact 1-43 is an arrow point. It is an expanding stem specimen with a pointed tip, a straight blade, corner notches, square shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.1 cm x 0.9 cm x 0.3 cm and it weighs 0.5 g. The stem measures 0.6 cm x 0.9 cm and comprises about 29% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Scallorn Sattler type, which is associated with the Mississippi Period.



Artifact 1-44 is an arrow point. It is an expanding stem specimen with a pointed tip, a straight blade, corner notches, barbed shoulders and a convex base. The cross section is diamond-shaped with no edge abrading and no beveling. Maximum dimensions are 3.0 cm x 1.0 cm x 0.5 cm and it weighs 0.8 g. The stem measures 0.6 cm x 0.6 cm and comprises about 20% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Scallorn Eddy type, which is associated with the Mississippi Period.

Artifact 1-45 is an arrow point. It is an expanding stem specimen with a missing tip, an recurved blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.5 cm x 1.0 cm x 0.3 cm and it weighs 0.4 g. The stem measures 0.5 cm x 0.6 cm and comprises about 33% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is resharpened and most closely resembles the Scallorn eddy type, which is associated with the Mississippi Period.

Artifact 1-46 is an arrow point. It is an expanding stem specimen with a missing tip, a straight blade, corner notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.5 cm x 1.2 cm x 0.4 cm and it weighs 0.6 g. The stem measures 0.6 cm x 1.0 cm and comprises about 40% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Scallorn sattler type, which is associated with the Mississippi Period.

Artifact 1-47 is an arrow point. It is an expanding stem specimen with a missing tip, a serrated blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.8

cm x 1.5 cm x 0.4 cm and it weighs 1.0 g. The stem measures 0.7 cm x 0.9 cm and comprises about 39% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Sequoyah type, which is associated with the Mississippi Period.



Sequoyah (1-48)

Artifact 1-48 is an arrow point. It is an expanding stem specimen with a pointed tip, a serrated blade, corner notches, square shoulders and a convex base. The cross section is plano-convex with no edge abrading and no beveling. Maximum dimensions are 2.0 cm x 1.2 cm x 0.4 cm and it weighs 0.6 g. The stem measures 0.6 cm x 0.8 cm and comprises about 30% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is resharpened and most closely resembles the Sequoyah type, which is associated with the Mississippi Period.

Artifact 1-49 is an arrow point. It is an expanding stem specimen with a pointed tip, an serrated blade, corner notches, square shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.4 cm x 1.2 cm x 0.3 cm and it weighs 0.7 g. The stem measures 0.6 cm x 0.8 cm and comprises about 25% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Sequoyah type, which is associated with the Mississippi Period.



Sequoyah (1-49)

Artifact 1-50 is an arrow point. It is an expanding stem specimen with a missing tip, a serrated blade, corner notches, square shoulders and a convex base. The cross section is plano-convex with no edge abrading and no beveling. Maximum dimensions are 2.0 cm x 0.9 cm x 0.4 cm and it weighs 0.7 g. The stem measures 0.8 cm x 1.0 cm and comprises about 40% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is resharpened and most closely resembles the Sequoyah type, which is associated with the Mississippi Period.

Artifact 1-51 is an arrow point. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.0 cm x 1.5 cm x 0.5 cm and it weighs 1.4 g. The stem measures 0.5 cm x 0.0 cm and comprises about 25% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Scallorn coryell type, which is associated with the Late Woodland and Mississippi periods.

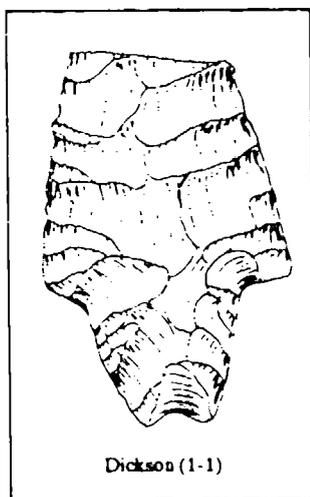
Artifact 1-52 is an arrow point midsection. It has a missing tip, a straight blade, corner notches, barbed shoulders and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.9 cm x 1.2 cm x 0.3 cm and it weighs 0.8 g. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type possibly associated with the Mississippi Period.

Artifact 1-53 is an arrow point tip. It has a pointed tip, a serrated blade, square shoulders and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.9 cm x 1.1 cm x 0.4 cm and it weighs 1.0 g. The raw material is an unidentified heat-treated chert of unknown origin. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type possibly associated with the Mississippi Period.

Artifact 1-54 is an arrow point tip. It has a pointed tip, an excurvate blade, square shoulders and a missing stem and base. The cross section is plano-convex with no edge abrading and no beveling. Maximum dimensions are 1.5 cm x 1.1 cm x 0.3 cm and it weighs 0.6 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is resharpened and is an unclassified type possibly associated with the Mississippi Period.

### 23PO382

23PO382 is a prehistoric habitation exhibiting evidence of Late Archaic and Middle Woodland Period occupations. It was recorded by Howard Wimmer in 1986 when he collected 12 artifacts weighing 153.5 g. These included 1 adze fragment (22.6 g), 1 biface fragment (6.8 g), 1 dart point fragment (4.7 g), 4 bifacial knife fragments (14.2 g), 1 bifacial knife (10.5 g), 1 knife/scrapper fragment (14.2 g), 1 preform fragment (51.8 g) and 2 projectile point/knives (28.7 g).



Artifact 1-1 is a projectile point/knife. It is a corner removed contracting stem specimen with a missing tip, a straight blade, square shoulders and a concave base. The cross section is biconvex with edge abrading on the stem and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 4.9 cm x 3.3 cm x 0.7 cm and it weighs 12.1 g. The stem measures 1.6 cm x 1.9 cm and comprises about 33% of the total length of the specimen. The raw material is heat-treated Pierson chert, which is abundant in the Branson area and may be exposed in limited areas locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is a variant of the Dickson variant type, which is associated with the Woodland Period.

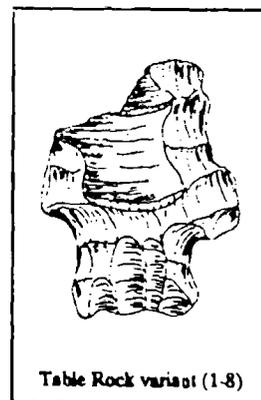
Artifacts cataloged as 1-2 include four bifacial knife tips. These pointed tips, excurvate blades, missing shoulders, stems and bases. The cross sections are biconvex with no edge abrading and no beveling. Together they weigh 14.2 g. The raw materials include both plain and heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. These specimens are of an unclassified type not associated with a specific cultural period.

Artifact 1-5 is an adze distal. It is an unstemmed specimen with a rounded tip, an excurvate blade, no notches, no shoulders and a missing base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.4 cm x 4.1 cm x 1.0 cm and it weighs 22.6 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting wood. This specimen is an unclassified type possibly associated with the Woodland Period since the shape is typical of that time Period and the chert is heat treated.

Artifact 1-6 is a bifacial knife/scrapper distal. It is an unstemmed specimen with a rounded tip, an excurvate blade, no notches, no shoulders and a missing base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.5 cm x 4.0 cm x 1.0 cm and it weighs 14.2 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact and from scraping wood. This specimen is an unclassified type possibly associated with the Woodland Period.

Artifact 1-7 is a projectile point/knife. It is a parallel stem specimen with a missing tip, an excurvate blade, basal notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 4.7 cm x 4.1 cm x 0.9 cm and it weighs 16.6 g. The stem measures 1.3 cm x 2.1 cm and comprises about 28% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Smith type, which is associated with the Late Archaic Period.

Artifact 1-8 is a dart point stem. It is a corner removed parallel stem specimen with a missing tip, a damaged blade, square shoulders and a straight base. The cross section is biconvex with edge abrading on the stem and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 3.4 cm x 2.7 cm x 0.6 cm and it weighs 4.7 g. The stem measures 1.1 cm x 1.6 cm and comprises about 32% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is exhausted and is a variant of the Table Rock Stemmed type, which is associated with the Late Archaic Period.



Artifact 1-9 is a bifacial knife. It is a parallel stem specimen with a rounded tip, a damaged blade, damaged shoulders and a straight base. The cross section is plano-convex with no edge abrading and no beveling. Maximum dimensions are 5.0 cm x 3.1 cm x 0.8 cm and it weighs 10.5 g. The stem measures 0.6 cm x 1.8 cm and comprises about 12% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

### 23PO383

23PO383 is a prehistoric habitation exhibiting evidence of Middle to Late Archaic, Late Woodland, Mississippi and Late Prehistoric Period occupations. It was recorded by Howard Wimmer in 1986 when he collected 131 artifacts weighing 1,565.3 g. These included 2 arrow points (1.8 g), 13 biface fragments (65.5 g), 8 stemmed biface fragments (73.8 g), 1 chopper (175.7 g), 1 dart point fragment (8.9 g), 5 dart points (21.7 g), 2 bifacial drill fragments (13.3 g), 17 bifacial knife fragments (124.7 g), 10 bifacial knives (67.4 g), 61 preform fragments (909.3 g), 3 preforms (45.3 g), 1 projectile point/knife fragment (3.7 g), 3 projectile point/knives (12.7 g), 1 bifacial end scraper fragment (6.3 g), 1 bifacial end scraper (16.3 g), 1 flake scraper fragment (5.6 g) and 1 unifacial scraper end (13.3 g).

Artifacts cataloged as 1-3 include 11 bifacial knife tips. All have rounded tips, excurvate blades, no shoulders and missing stems and bases. The cross sections are biconvex with no edge abrading and no beveling. Together they weigh 55.4 g. The raw materials include both plain and heat-treated Burlington chert as well as an unidentified chert. Microscopic examination revealed wear resulting from cutting meat with bone contact. These specimens are of an unclassified type not associated with a specific cultural period.

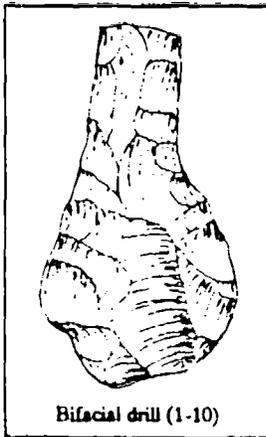
Artifact 1-4 is a chopper. It is an unstemmed unnotched specimen with an excurvate blade. The cross section is plano-convex with no edge abrading and no beveling. Maximum dimensions are 8.6 cm x 7.0 cm x 2.6 cm and it weighs 175.7 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from chopping. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-5 is a bifacial knife. It is an unstemmed specimen with a missing tip, an excurvate blade, no notches, no shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 6.8 cm x 5.0 cm x 0.9 cm and it weighs 31.7 g. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type possibly associated with the Woodland Period.

Artifact 1-6 is a unifacial snub-nosed end scraper . The cross section is plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 3.6 cm x 3.0 cm x 1.0 cm and it weighs 13.3 g. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from scraping wet hide. This specimen is resharpened and is an unclassified type possibly associated with the Late Prehistoric Period.

Artifact 1-7 is a bifacial knife proximal . It is an unstemmed specimen with a missing tip and blade, no notches, no shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.3 cm x 5.3 cm x 0.8 cm and it weighs 19.5 g. The raw material is Elsey chert, which is generally found further south. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type not associated with a specific cultural period.

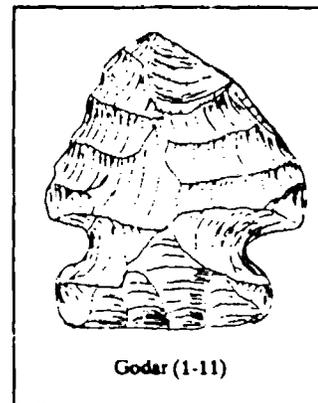
Artifact 1-8 is a bifacial knife proximal . It is an unstemmed specimen with a missing tip, an excurvate blade, no notches, no shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.8 cm x 4.2 cm x 1.0 cm and it weighs 21.5 g. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.



Bifacial drill (1-10)

Artifact 1-10 is a bifacial drill proximal . It is an unstemmed specimen with a missing tip, a straight blade, no notches, no shoulders and a convex base. The cross section is diamond-shaped with edge abrading on the blade and no beveling. Maximum dimensions are 4.7 cm x 2.7 cm x 0.9 cm and it weighs 10.0 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from perforating. This specimen is an unclassified type possibly associated with the Woodland-Mississippi Period.

Artifact 1-11 is a dart point . It is an expanding stem specimen with a rounded tip, an excurvate blade, side notches, square shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.8 cm x 3.4 cm x 0.7 cm and it weighs 10.2 g. The stem measures 1.2 cm x 2.8 cm and comprises about 32% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Godar type, which is associated with the Late Archaic Period.



Godar (1-11)

Artifact 1-12 is a bifacial knife. It is a lobed stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a concave base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.5 cm x 3.7 cm x 0.7 cm and it weighs 9.1 g. The stem measures 1.4 cm long and comprises about 40% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is exhausted and is an unclassified type possibly associated with the Late Archaic Period.

Artifact 1-14 is a dart point. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 2.7 cm x 2.8 cm x 0.7 cm and it weighs 4.8 g. The stem measures 1.0 cm x 1.7 cm and comprises about 37% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Kings Corner Notched type, which is associated with the Woodland Period.



Kings Corner Notched (1-15)

Artifact 1-15 is a bifacial knife. It is an expanding stem specimen with a missing tip, an excurvate blade, corner notches, barbed shoulders and a straight base. The cross section is plano-convex with no edge abrading and no beveling. Maximum dimensions are 3.5 cm x 2.4 cm x 0.5 cm and it weighs 4.7 g. The stem measures 1.0 cm x 1.6 cm and comprises about 29% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Kings Corner Notched type, which is associated with the Woodland Period.

Artifact 1-16 is a projectile point /knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with edge abrading on the base and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 3.4 cm x 2.4 cm x 0.5 cm and it weighs 3.7 g. The stem measures 0.9 cm x 1.5 cm and comprises about 26% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Kings Corner Notched type, which is associated with the Woodland Period.

Artifact 1-17 is a projectile point/knife. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 2.2 cm x 1.9 cm x 0.5 cm and it

weighs 2.2 g. The stem measures 0.9 cm x 1.4 cm and comprises about 4% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen most closely resembles the Kings Corner Notched type, which is associated with the Woodland Period. This specimen is small enough to have served as an arrow point, but it probably was a small dart point also used slightly as a cutting tool.

Artifact 1-18 is a bifacial knife. It is an expanding stem specimen with a missing tip, a straight blade, corner notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.8 cm x 2.0 cm x 0.5 cm and it weighs 2.7 g. The stem measures 0.8 cm x 1.4 cm and comprises about 29% of the total length of the specimen. The raw material is a glassy, high-grade Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is resharpened and most closely resembles the Kings Corner Notched type, which is associated with the Woodland Period. This is a very small specimen, possibly Late Woodland in age.

Artifact 1-20 is a dart point. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 2.0 cm x 2.3 cm x 0.5 cm and it weighs 2.3 g. The stem measures 0.8 cm x 1.3 cm and comprises about 40% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is a variant of the Kings Corner Notched type, which is associated with the Woodland Period.



Artifact 1-21 is a bifacial knife. It is an expanding stem specimen with a pointed tip, a straight blade, corner notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.7 cm x 2.2 cm x 0.5 cm and it weighs 2.2 g. The stem measures 0.8 cm x 1.4 cm and comprises about 30% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is a resharpened and is a variant of the Kings Corner Notched type, which is associated with the Woodland Period.

Artifact 1-22 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, missing shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.4

cm x 2.0 cm x 0.4 cm and it weighs 2.4 g. The stem measures 0.7 cm x 1.3 cm and comprises about 29% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is resharpened and is a variant of the Kings Corner Notched type, which is associated with the Woodland Period.

Artifact 1-23 is a projectile point/knife. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 2.5 cm x 1.8 cm x 0.5 cm and it weighs 2.3 g. The stem measures 0.8 cm x 1.1 cm and comprises about 32% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is a variant of the Kings Corner Notched type, which is associated with the Woodland Period.

Artifact 1-24 is a bifacial knife. It is an expanding stem specimen with a pointed tip, an excurvate blade, corner notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.6 cm x 1.7 cm x 0.5 cm and it weighs 2.0 g. The stem measures 0.8 cm x 1.2 cm and comprises about 31% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and is a variant of the Kings Corner Notched type, which is associated with the Woodland Period.

Artifact 1-26 is a bifacial knife. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a concave base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.2 cm x 2.2 cm x 0.4 cm and it weighs 2.2 g. The stem measures 0.8 cm x 1.3 cm and comprises about 36% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and is a variant of Kings Corner Notched type, which is associated with the Woodland Period.



Artifact 1-27 is a bifacial knife. It is an expanding stem specimen with a missing tip, an asymmetrical blade, corner notches, barbed shoulders and a concave base. The cross section is rhomboidal with no edge abrading and beveling on the left side of the blade. Maximum dimensions are 2.7 cm x 1.8 cm x 0.5 cm and it weighs 2.5 g. The stem measures 0.8 cm x 1.6 cm and comprises about 30% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen

is resharpened and is a variant of the Fairland type, which is associated with the Late Archaic and Woodland periods.

Artifact 1-28 is a dart point. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, missing shoulders and a straight base. The cross section is biconvex with edge abrading on the base and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 2.7 cm x 1.3 cm x 0.5 cm and it weighs 2.2 g. The stem measures 0.8 cm x 1.5 cm and comprises about 30% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is exhausted and is a variant of the Kings Corner Notched type, which is associated with the Woodland Period.



Artifact 1-32 is an arrow point. It is an expanding stem specimen with a pointed tip, a straight blade, corner notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.0 cm x 1.3 cm x 0.0 cm and it weighs 0.7 g. The stem measures 0.7 cm long and comprises about 35% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Scallorn Sattler type, which is associated with the Late Woodland Period. This is a diminutive copy of Kings Corner Notched bifaces. The size and technique of manufacture suggest a Late Woodland affiliation.

Artifact 1-33 is an arrow point. It is an expanding stem specimen with a pointed tip, a serrated blade, corner notches, barbed shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.7 cm x 1.2 cm x 0.4 cm and it weighs 1.1 g. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Sequoyah type, which is associated with the Mississippi Period.



Artifact 1-34 is a bifacial knife. It is a contracting stem specimen with a missing tip, a damaged blade, corner removed, sloping shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.7 cm x 2.6 cm x 0.7 cm and it weighs 7.9 g. The stem measures 0.0 cm x 1.7 cm and comprises about 0% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Waubesa type, which is associated with the Woodland Period.

Artifact 1-35 is a projectile point/knife. It is a parallel stem specimen with a rounded tip, a straight blade, missing shoulders and a damaged base. The cross section is



biconvex with no edge abrading and no beveling. Maximum dimensions are 3.7 cm x 2.7 cm x 0.8 cm and it weighs 8.2 g. The stem measures 1.7 cm x 2.1 cm and comprises about 46% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is exhausted and is an unclassified type possibly associated with the Middle Archaic Period.

Artifact 1-36 is a dart point. It is a parallel stem specimen with a missing tip, a straight blade, missing shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 1.9 cm x 1.9 cm x 0.5 cm and it weighs 2.2 g. The stem measures 1.0 cm x 1.9 cm and comprises about 53% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is exhausted and is an unclassified type possibly associated with the Late Archaic Period.



Artifact 1-37 is a bifacial end scraper made on the base of a Big Creek biface. It has a missing tip, an excurvate blade, notching, shoulders and a convex base. The cross section is plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 2.4 cm x 3.1 cm x 0.7 cm and it weighs 6.3 g. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from scraping wet hide. This specimen is a reworked Big Creek point, which is associated with the Late Archaic Period. It has been broken at the shoulders and the base has been unifacially beveled and used as a scraping edge.

Artifact 1-38 is a bifacial knife proximal. It has a missing tip and a damaged blade, shoulders stem and base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.8 cm x 3.2 cm x 0.8 cm and it weighs 3.0 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-40 is a bifacial knife proximal. It is a parallel stem specimen with a missing tip, a damaged blade, no notches, square shoulders and a damaged base. The cross section is rhomboidal with no edge abrading and beveling on the right blade edge. Maximum dimensions are 3.1 cm x 3.5 cm x 1.0 cm and it weighs 12.2 g. The stem measures 1.2 cm x 2.2 cm and comprises about 39% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is resharpened and is an unclassified type possibly associated with the Middle Archaic Period.

Artifact 1-41 is a dart point proximal. It is a parallel stem specimen with a missing tip, a damaged blade, basal notches, barbed shoulders and a straight base. The cross section is plano-convex with edge abrading on the base and stem and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 3.9 cm x 2.4 cm x 0.9 cm and it weighs 8.9 g. The stem measures 1.1 cm x 1.6 cm and comprises about 28% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is a variant of the Smith type, which is associated with the Late Archaic Period.

Artifact 1-42 is a bifacial knife proximal. It is a corner removed parallel stem specimen with a missing tip, a damaged blade, square shoulders and a damaged base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 3.2 cm x 3.2 cm x 0.9 cm and it weighs 10.1 g. The stem measures 1.2 cm long and comprises about 38% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type possibly associated with the Late Archaic Period.

Artifacts cataloged as 1-43 include two biface stems. It is a damaged stem specimen with a missing tip, an missing blade, corner notches, missing shoulders and a missing base. The cross section is N/A with no edge abrading and no beveling. Together they weigh 15.7 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-44 is a bifacial knife midsection. It is an missing stem specimen with a missing tip, a straight blade, corner notches, damaged shoulders and a missing base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.1 cm x 1.8 cm x 0.5 cm and it weighs 3.0 g. The raw material is heat-treated Reeds Spring chert, which is found in southwest Missouri and northwest Arkansas into northeast Oklahoma and extreme southeast Kansas. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type possibly associated with the Woodland Period.

Artifact 1-48 is a bifacial end scraper. It is a parallel stem specimen with a rounded tip, an excurvate blade, no notches, no shoulders and a missing base. The cross section is plano-convex with edge abrading on the stem and unifacial beveling. It is manufactured from a broken preform that has been unifacially worked on the proximal end to form a scraper. Maximum dimensions are 3.7 cm x 3.4 cm x 1.0 cm and it weighs 16.3 g. The stem measures 1.4 cm x 2.6 cm and comprises about 38% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from scraping wet hide. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-49 is a flake scraper fragment. It is an unstemmed specimen with a missing tip, an excurvate blade, no notches, no shoulders and a straight base. The cross section is plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 2.6 cm x 3.3 cm x 0.5 cm and it weighs 5.6 g. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from scraping wet hide. This specimen is an unclassified type not associated with a specific cultural period.

### 23PO384

23PO384 is a prehistoric habitation exhibiting evidence of Late Archaic and Woodland Period occupations. It was recorded by Howard Wimmer in 1986 when he collected 4 artifacts weighing 60.2 g. These included 2 bifacial knife fragments (14.1 g) and 2 bifacial knives (46.1 g).

Artifact 1-1 is a bifacial knife. It is an unstemmed specimen with a rounded tip, an asymmetrical blade, no notches, no shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 8.5 cm x 3.4 cm x 1.0 cm and it weighs 34.8 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-2 is a bifacial knife. It is an expanding stem specimen with a rounded tip, an asymmetrical blade, corner notches, sloping shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.9 cm x 3.3 cm x 0.8 cm and it weighs 11.3 g. The stem measures 1.3 cm x 2.7 cm and comprises about 33% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is exhausted and most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.

Artifact 1-3 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, basal notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.8 cm x 3.4 cm x 0.5 cm and it weighs 5.7 g. The stem measures 1.3 cm x 2.0 cm and comprises about 46% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Castroville type, which is associated with the Late Archaic Period.

Artifact 1-4 is a bifacial knife tip. It has a rounded tip, an excurvate blade, no notches, missing shoulders and a missing stem and base. The cross section is biconvex

with no edge abrading and no beveling. Maximum dimensions are 3.2 cm x 3.5 cm x 0.9 cm and it weighs 8.4 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type possibly associated with the Woodland Period.

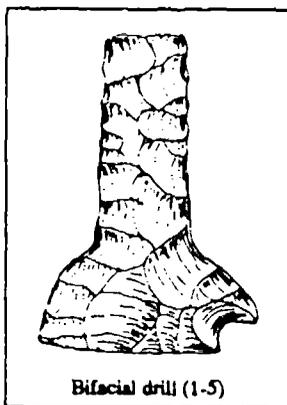
### 23PO385

23PO385 is a prehistoric habitation exhibiting evidence of a Middle Woodland Period occupation. It was recorded by Howard Wimmer in 1986 when he collected 8 artifacts weighing 119.2 g. These included 1 stemmed biface fragment (2.4 g), 1 bifacial drill fragment (7.5 g), 2 bifacial knife fragments (13.9 g), 1 knife/scrapper (20.7 g) and 3 preform fragments (74.7 g).

Artifact 1-1 is a bifacial knife/scrapper. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, damaged shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 5.9 cm x 4.2 cm x 0.8 cm and it weighs 20.7 g. The stem measures 1.4 cm x 3.0 cm and comprises about 24% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from scraping wet hide. This specimen is resharpened and most closely resembles the Snyders type, which is associated with the Middle Woodland Period.

Artifacts cataloged as 1-2 include two bifacial knife tips. These are unstemmed specimens with pointed tips, excruciate blades, no notches, no shoulders and missing bases. The cross sections are biconvex with no edge abrading and no beveling. Together they weigh 13.9 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact.

These are of an unclassified type not associated with a specific cultural period.



Bifacial drill (1-5)

Artifact 1-5 is a bifacial drill proximal. It is an unstemmed specimen with a missing tip, a straight blade, no notches, no shoulders and a straight D-shaped base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.3 cm x 2.9 cm x 0.8 cm and it weighs 7.5 g. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from perforating. This specimen is an unclassified type possibly associated with the Woodland Period.

### 23PO386

23PO386 is a prehistoric habitation exhibiting evidence of Early to Middle Archaic and Middle Woodland Period occupations. It was recorded by Howard Wimmer in 1986

when he collected 8 artifacts weighing 368.6 g. These included 1 hammerstone (260.6 g), 4 bifacial knife fragments (37.4 g), 1 mussel shell fragment (38.3 g), 1 preform fragment (16.0 g) and 1 projectile point/knife (16.3 g).

Artifact 1-1 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, an excurvate blade, basal notches, rounded shoulders and a recurved base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.1 cm x 3.1 cm x 0.6 cm and it weighs 10.9 g. The stem measures 1.5 cm x 3.1 cm and comprises about 37% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and is an unclassified type possibly associated with the Middle Archaic Period. This is a portion of a rare early Middle Archaic biface with deep basal notches, a recurved base, rounded shoulders and thin excurvate blade. Marshall (1958:161) illustrates an example as K8.

Artifact 1-2 is a projectile point/knife. It is an expanding stem specimen with a missing tip, a damaged blade, basal notches, barbed shoulders and a concave base. The cross section is biconvex with edge abrading on the base and stem and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 5.1 cm x 3.5 cm x 0.7 cm and it weighs 16.3 g. The stem measures 1.7 cm x 2.6 cm and comprises about 33% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen most closely resembles the Hardin type, which is associated with the Archaic, Early Period. The Hardin point is common along the Mississippi River, but is rare in the Stockton area.



Artifact 1-3 is a bifacial knife stem. It is an expanding stem specimen with a missing tip and blade, side notches, missing shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.8 cm x 3.3 cm x 0.9 cm and it weighs 8.8 g. The stem measures 1.2 cm x 0.0 cm and comprises about 43% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Gibson type, which is associated with the Middle Woodland Period.

Artifacts cataloged as 1-5 include two bifacial knife distals. Both are unstemmed specimens with rounded tips, damaged blades, no notches, no shoulders and missing bases. The cross sections are biconvex with no edge abrading and no beveling. Together they weigh 17.7 g. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat

without bone contact. These specimens are of an unclassified type not associated with a specific cultural period.

### 23PO387

23PO387 is a prehistoric habitation exhibiting evidence of a Woodland Period occupation. It was recorded by Howard Wimmer in 1986 when he collected 5 artifacts weighing 87.9 g. These included 1 stemmed biface fragment (7.8 g), 1 piece of hematite (47.6 g), 1 bifacial knife fragment (5.1 g) and 2 preform fragments (27.4 g).

Artifact 1-4 is a bifacial knife distal. It is an unstemmed specimen with a rounded tip, an excurvate blade, no notches, no shoulders and a missing base. The cross section is plano-convex with no edge abrading and no beveling. Maximum dimensions are 22.4 cm x 3.4 cm x 0.6 cm and it weighs 5.1 g. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

### 23PO388

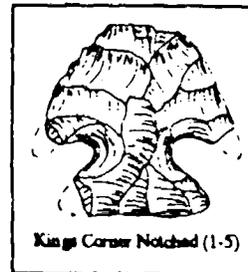
23PO388 is a prehistoric habitation exhibiting evidence of Late to Terminal Archaic, Woodland and Mississippi Period occupations. It was recorded by Howard Wimmer in 1986 when he collected 32 artifacts weighing 351.8 g. These included 2 arrow points (1.8 g), 7 biface fragments (37.2 g), 4 stemmed biface fragments (15.2 g), 1 dart point fragment (4.2 g), 3 bifacial knives (36.6 g), 14 preform fragments (242.6 g) and 1 preform (14.2 g).



Artifact 1-3 is a bifacial knife. It is an expanding stem specimen with a missing tip, an incurvate blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with edge abrading on the base and no beveling. Maximum dimensions are 3.8 cm x 4.2 cm x 0.9 cm and it weighs 13.6 g. The stem measures 1.2 cm x 3.1 cm and comprises about 32% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This

specimen is resharpened and most closely resembles the Marcos type, which is associated with the Late Archaic Period.

Artifact 1-5 is a dart point proximal. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, barbed shoulders and a straight base. The cross section is irregular with no edge abrading and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 2.5 cm x 2.5



cm x 0.7 cm and it weighs 4.2 g. The stem measures 1.0 cm x 1.7 cm and comprises about 40% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is resharpened and most closely resembles the Kings Corner Notched type, which is associated with the Late Archaic and Woodland periods.

Artifact 1-9 is a bifacial knife. It is an expanding stem specimen with a rounded tip, a damaged blade, corner notches, missing shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.6 cm x 3.1 cm x 0.8 cm and it weighs 9.1 g. The raw material is heat-treated Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is exhausted and is an unclassified type possibly associated with the Late Archaic Period.

Artifact 1-12 is a bifacial knife. It is a corner removed contracting stem specimen with a missing tip, a recurved blade, sloping shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 5.5 cm x 3.0 cm x 0.7 cm and it weighs 13.9 g. The stem measures 1.7 cm x 2.4 cm and comprises about 31% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Standlee type, which is associated with the Woodland Period.

Artifact 1-14 is an arrow point. It is an expanding stem specimen with a pointed tip, an excurvate blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.2 cm x 1.2 cm x 0.3 cm and it weighs 0.7 g. The stem measures 0.6 cm x 0.9 cm and comprises about 27% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed no evidence of use-wear. This specimen is a variant of the Sequoyah type, which is associated with the Mississippi Period.



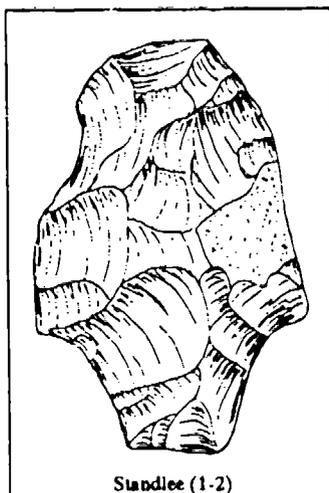
Artifact 1-15 is an arrow point. It is an expanding stem specimen with a missing tip, an asymmetrical blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.3 cm x 1.3 cm x 0.3 cm and it weighs 1.1 g. The stem measures 0.6 cm x 0.9 cm and comprises about 26% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed no evidence of use-wear. This specimen is a variant of the Sequoyah type, which is associated with the Mississippi Period.

23PO389

23PO389 is a prehistoric habitation exhibiting evidence of Late to Terminal Archaic and Woodland Period occupations. It was recorded by Howard Wimmer in 1986

when he collected 9 artifacts weighing 69.1 g. These included 2 bifacial knife fragments (10.1 g), 5 bifacial knives (41.2 g) and 2 preform fragments (17.8 g).

Artifact 1-1 is a bifacial knife. It is a corner removed contracting stem specimen with a missing tip, a straight blade, square shoulders and a straight base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 3.6 cm x 2.9 cm x 0.5 cm and it weighs 7.7 g. The stem measures 1.5 cm x 2.0 cm and comprises about 42% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Dickson type, which is associated with the Woodland Period.



Artifact 1-2 is a bifacial knife. It is a corner removed contracting stem specimen with a missing tip, an asymmetrical blade, sloping shoulders and a straight base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 5.4 cm x 3.6 cm x 0.9 cm and it weighs 14.6 g. The stem measures 1.6 cm x 2.5 cm and comprises about 30% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Standlee type, which is associated with the Woodland Period.

Artifact 1-3 is a bifacial knife. It is a corner removed contracting stem specimen with a pointed tip, an excurvate blade, sloping shoulders and a concave base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 4.8 cm x 2.3 cm x 0.6 cm and it weighs 7.0 g. The stem measures 1.5 cm x 1.7 cm and comprises about 31% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and is an unclassified type possibly associated with the Woodland Period. The stem is more basally concave than Langtry and less shouldered. Similar points were recovered from Woodland levels at the Albertson site (3BE174; Dickson 1991:94-96).



Artifact 1-4 is a bifacial knife. It is an expanding stem specimen with a missing tip, a straight blade, corner notches, barbed shoulders and a straight base. The cross section is plano-convex

with no edge abrading and unifacial beveling. Maximum dimensions are 3.1 cm x 2.5 cm x 0.5 cm and it weighs 4.2 g. The stem measures 1.0 cm x 1.7 cm and comprises about 32% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen most closely resembles the Kings Corner Notched type, which is associated with the Late Archaic and Woodland periods.

Artifact 1-5 is a bifacial knife. It has a pointed tip, an incurvate blade, corner removed, sloping shoulders and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.9 cm x 2.8 cm x 0.8 cm and it weighs 7.7 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting bone or antler. This specimen is exhausted and is an unclassified type possibly associated with the Late Archaic Period.

Artifacts cataloged as 1-7 include two bifacial knife midsections. Both are unstemmed specimens with missing tips, a damaged blade, no notches, no shoulders and a missing bases. The cross sections are biconvex with no edge abrading and no beveling. Together they weigh 10.1 g. The raw materials include Jefferson City and heat-treated Burlington chert, both of which are found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. These are of an unclassified type not associated with a specific cultural period.

### 23PO390

23PO390 is a prehistoric habitation of unknown cultural affiliation. It was recorded by Howard Wimmer in 1986 when he collected 6 artifacts weighing 114.0 g. These included 2 bifacial knife fragments (26.5 g) and 4 preform fragments (87.5 g).

Artifact 1-1 is a bifacial knife distal. It is an unstemmed specimen with a pointed tip, an asymmetrical blade, no notches, no shoulders and a missing base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 6.7 cm x 4.2 cm x 0.9 cm and it weighs 20.6 g. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-3 is a bifacial knife distal. It is an unstemmed specimen with a rounded tip, an asymmetrical blade, no notches, no shoulders and a missing base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.2 cm x 3.0 cm x 0.7 cm and it weighs 5.9 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

## 23PO391

23PO391 is a prehistoric habitation exhibiting evidence of Late Archaic and Woodland Period occupations. It was recorded by Howard Wimmer in 1986 when he collected 11 artifacts weighing 106.1 g. These included 2 biface fragments (11.8 g), 1 stemmed biface fragment (2.5 g), 1 bifacial drill fragment (1.0 g), 1 bifacial knife fragment (3.9 g), 2 bifacial knives (9.4 g) and 4 preform fragments (77.5 g).



Bifacial knife (1-1)

Artifact 1-1 is a bifacial knife. It is an expanding stem specimen with a missing tip, an incurvate blade, basal notches, barbed shoulders and a recurved base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.1 cm x 3.3 cm x 0.7 cm and it weighs 5.7 g. The stem measures 0.6 cm x 1.6 cm and comprises about 19% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type not associated with a specific cultural period. This is an unusual biface with angular basal notches forming a short stem with a recurved base. It probably is Archaic, but examples have not been found in dated context.

Artifact 1-3 is a bifacial knife. It is an expanding stem specimen with a rounded tip, an excurvate blade, side notches, square shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.2 cm x 2.0 cm x 0.5 cm and it weighs 3.7 g. The stem measures 0.9 cm x 1.6 cm and comprises about 28% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type possibly associated with the Late Archaic Period. It features characteristics of the Table Rock point, but has a more expanding stem. It also resembles the Steuben point except the notches are too narrow.



Bifacial knife (1-3)

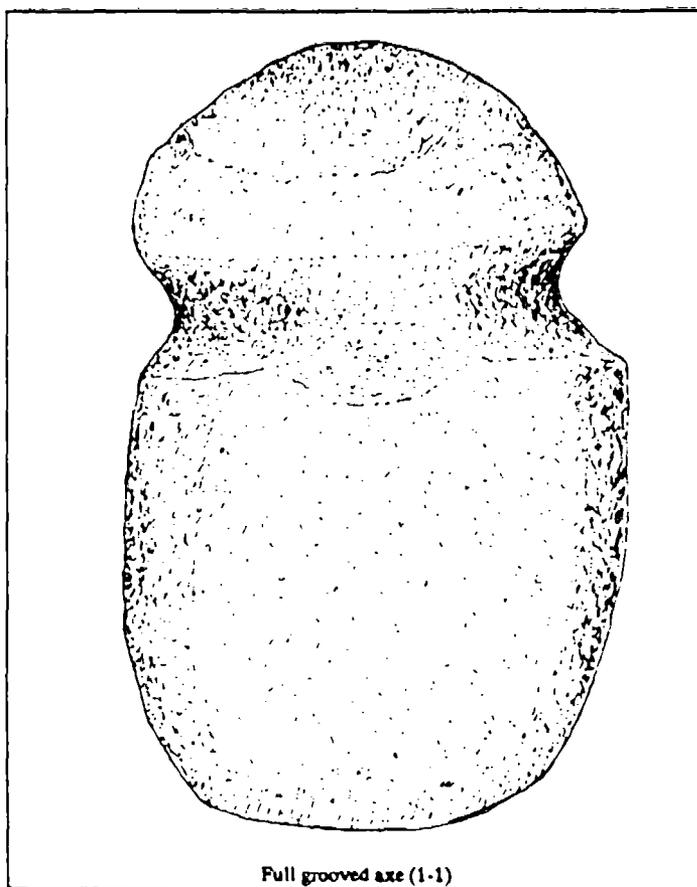
Artifact 1-4 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, square shoulders and a concave base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.0 cm x 3.2 cm x 0.6 cm and it weighs 3.9 g. The stem measures 1.0 cm x 2.4 cm and comprises about 33% of the total length of the specimen. The raw material is Pierson chert, which is abundant in the Branson area and may be available in isolated areas locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Fairland type, which is associated with the Late Archaic Period.

Artifact 1-7 is a bifacial drill midsection. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.3 cm x 0.9 cm x 0.4 cm and it

weighs 1.0 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from perforating. This specimen is an unclassified type not associated with a specific cultural period.

### 23PU394

23PO394 is a prehistoric habitation exhibiting evidence of Early to Late Archaic, Middle to Late Woodland, Mississippi and Late Prehistoric Period occupations. It was recorded by Howard Wimmer in 1986 when he collected 110 artifacts weighing 2,402.3 g. These included 1 flat abrader (530.2 g), 2 adze fragments (49.3 g), 4 arrow point fragments (3.3 g), 6 arrow points (5.1 g), 1 full grooved axe fragment (321.0 g), 1 biface fragment (12.3 g), 5 stemmed biface fragments (34.4 g), 1 stemmed biface (13.4 g), 1 burin fragment (8.0 g), 2 dart points (15.0 g), 40 bifacial knife fragments (248.6 g), 5 bifacial knife (56.5 g), 1 knife/scrapper fragment (29.4 g), 1 knife/scrapper (15.9 g), 1 Limestone (132.2 g), 26 preform fragments (440.9 g), 3 preforms (88.7 g), 1 aborted preform (54.3 g), 2 projectile point/knife fragments (9.2 g), 2 projectile point/knives (7.2 g), 2 bifacial end scraper fragments (56.9 g), 1 flake scraper fragment (41.3 g) and 1 piece of unmodified tripoli (229.2 g).



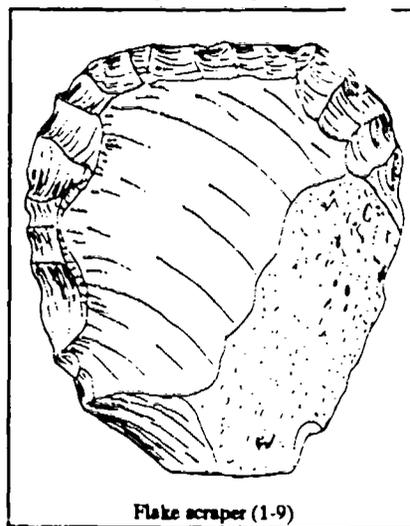
Artifact 1-1 is a full grooved axe. Maximum dimensions are 10.6 cm x 6.7 cm x 3.4 cm and it weighs 321.0 g. The groove averages 1.3 cm wide and 0.3 cm deep. The raw material is a very hard sandstone of unknown origin. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type associated with the Archaic Period.

Artifact 1-2 is a flat abrader. Maximum dimensions are 11.1 cm x 7.2 cm x 4.5 cm (530.2 g). The raw material is sandstone from an unknown source. Microscopic examination revealed wear resulting from pecking and grinding. This specimen is an unclassified type possibly associated with the Woodland Period.

Artifact 1-7 is an adze distal end. It has a rounded tip, an excurvate blade, no shoulders and a missing base. The cross section is biconvex with no edge abrading and beveling of the distal end. Maximum dimensions are 4.3 cm x 3.1 cm x 0.9 cm and it weighs 13.8 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting wood. This is an unclassified type not associated with a specific cultural period.

Artifact 1-8 is an adze distal end. It has a rounded tip, an excurvate blade, no notches, no shoulders and a missing stem and base. The cross section is biconvex with edge abrading on the Edge and Distal beveling. An attempt has been made to rework the broken poll by percussion flaking, probably to assist in hafting and continuing to use the distal part. Maximum dimensions are 4.9 cm x 4.6 cm x 1.2 cm and it weighs 35.5 g. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed brilliant polish on the ventral face, probably from working charred wood. The dorsal edge, which has been resharpened uniaxially has moderate polish. This specimen is an unclassified type possibly associated with the Woodland Period.

Artifact 1-9 is a flake scraper. Maximum dimensions are 5.8 cm x 4.7 cm x 1.2 cm and it weighs 41.3 g. A thick decortication flake has been uniaxially beveled to form a scraper. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from scraping wet hide. This specimen is resharpened and is an unclassified type possibly associated with the Woodland Period.



Flake scraper (1-9)

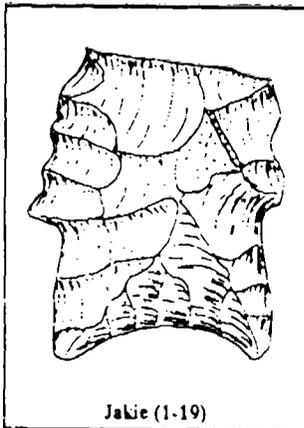
Artifact 1-10 is a bifacial end scraper distal. It is an unnotched and unstemmed specimen with a rounded tip, an excurvate blade, no shoulders and a missing stem and base. The cross section is biconvex with no edge abrading and bifacial beveling. Maximum dimensions are 5.9 cm x 4.7 cm x 1.9 cm and it weighs 45.2 g. The raw material is Pierson chert, which is abundant in the Branson area and may be available in isolated areas locally. Microscopic examination revealed wear resulting from scraping wood. This specimen is an unclassified type possibly associated with the Middle Woodland Period.

Artifacts cataloged as 1-11 include 15 bifacial knife midsections. All have a missing tips, damaged blades, missing shoulders and missing stems and bases. None exhibit no edge abrading or beveling. Together they weigh 85.8 g. The raw materials include Jefferson City, plain and heat-treated Burlington and an unidentified chert. Microscopic examination revealed wear resulting from cutting meat with bone contact. These specimens are of an unclassified type not associated with a specific cultural period.

Artifacts cataloged as 1-12 include 14 bifacial knife tips. All have pointed tips, excurvate blades, missing shoulders and missing stems and bases. The cross sections are biconvex with no edge abrading and no beveling. Together they weigh 70.1 g. The raw material is Jefferson City, plain and heat-treated Burlington chert and an unidentified chert. Microscopic examination revealed wear resulting from cutting meat with bone contact. These specimens are of an unclassified type not associated with a specific cultural period.

Artifact 1-13 is a bifacial knife midsection. The cross section is rhomboidal with no edge abrading and left beveling. Maximum dimensions are 5.3 cm x 2.5 cm x 1.0 cm and it weighs 15.7 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact and from sawing. This specimen is the beveled and serrated midsection from a large Dalton or Rice biface associated with the Early Archaic Period.

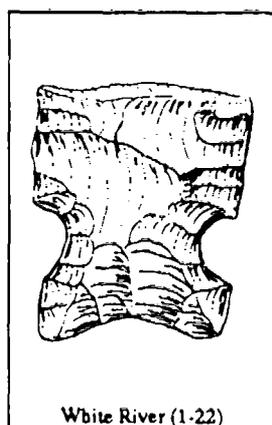
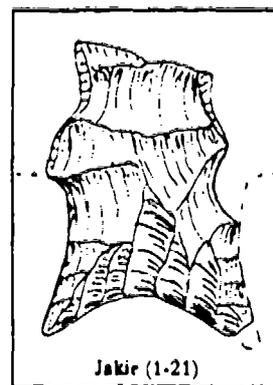
Artifact 1-17 is a bifacial end scraper distal. The cross section is plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 3.1 cm x 4.4 cm x 0.8 cm and it weighs 11.7 g. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from scraping wet hide. This specimen is an unclassified type possibly associated with the Woodland Period.



Artifact 1-19 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, an asymmetrical blade, no notches, sloping shoulders and a concave base. The cross section is biconvex with edge abrading on the stem and bifacial beveling. Maximum dimensions are 4.1 cm x 3.2 cm x 1.0 cm and it weighs 14.6 g. The stem measures 1.9 cm x 2.9 cm and comprises about 46% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Jakie type, which is associated with the Middle Archaic Period.

Artifact 1-20 is a bifacial knife/scraper. It is an expanding stem specimen with a rounded tip, an excurvate blade, no notches, sloping shoulders and a concave base. The cross section is biconvex with edge abrading on the stem and unifacial beveling. Maximum dimensions are 5.0 cm x 3.3 cm x 0.8 cm and it weighs 15.9 g. The stem measures 1.3 cm x 2.7 cm and comprises about 26% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact and from scraping wet hide. This specimen is resharpened and most closely resembles the Jakie type, which is associated with the Middle Archaic Period.

Artifact 1-21 is a burinated biface proximal. It is an expanding stem specimen with a missing tip, a damaged blade, no notches, missing shoulders and a concave base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 3.8 cm x 2.7 cm x 0.7 cm and it weighs 8.0 g. The stem measures 2.0 cm x 2.7 cm and comprises about 53% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. The specimen was broken transversely across the blade where it was burinated at the break-edge junction on both sides, removing the edges. Light use wear from cutting bone or antler is present on chisel edge. This specimen most closely resembles the Jakie type, which is associated with the Middle Archaic Period.



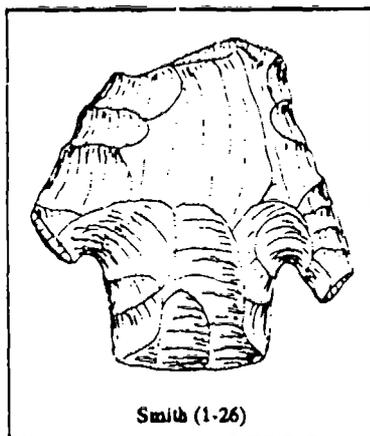
Artifact 1-22 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, a straight blade, side notches, square shoulders and a concave base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 3.5 cm x 2.8 cm x 1.0 cm and it weighs 10.6 g. The stem measures 1.7 cm x 2.5 cm and comprises about 49% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the White River type, which is associated with the Middle Archaic Period.

Artifact 1-23 is a bifacial knife proximal. It is a contracting stem specimen with a missing tip, an asymmetrical blade, no notches, sloping shoulders and a convex base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 4.3 cm x 2.4 cm x 0.5 cm and it weighs 7.1 g. The stem measures 2.0 cm x 2.0 cm and comprises about 5% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Waubesa type, which is associated with the Woodland Period.



Artifact 1-25 is a bifacial knife/scrapper proximal. It is a corner removed contracting stem specimen with a missing tip, an excurvate blade, sloping shoulders and a rounded base. The cross section is plano-convex with edge abrading on the stem and no beveling.

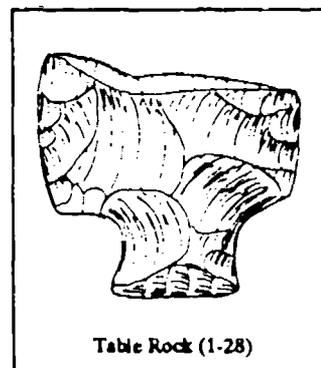
Maximum dimensions are 7.4 cm x 3.7 cm x 1.3 cm and it weighs 29.4 g. The stem measures 2.3 cm x 2.9 cm and comprises about 31% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact and from scraping wet hide. This specimen is an unclassified type possibly associated with the Woodland Period. A thick knot was not removed from one edge. This type is unnamed but fairly common and is characterized by a wide contracting stem with almost no shoulders. Specimens are often over 10 cm in length.



Artifact 1-26 is a bifacial knife. It is a parallel stem specimen with a damaged tip, a straight blade, basal notches, barbed shoulders and a straight base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 4.2 cm x 4.1 cm x 1.0 cm and it weighs 16.0 g. The stem measures 1.3 cm x 2.2 cm and comprises about 31% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting bone or antler. This specimen is resharpened and most closely resembles the Smith type, which is associated with the Late Archaic Period.

Artifact 1-27 is a bifacial knife. It is a corner removed contracting stem specimen with a damaged tip, a recurved blade, sloping shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 6.6 cm x 2.8 cm x 0.9 cm and it weighs 14.9 g. The stem measures 1.6 cm x 2.0 cm and comprises about 24% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Dickson type, which is associated with the Woodland Period.

Artifact 1-28 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, an excurvate blade, corner removed, square shoulders and a straight base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 3.4 cm x 3.4 cm x 0.9 cm and it weighs 7.8 g. The stem measures 1.0 cm x 1.7 cm and comprises about 29% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is Unknown and most closely resembles the Table Rock type, which is associated with the Late Archaic Period.



Artifact 1-29 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, an missing blade, side notches, missing shoulders and a convex base. The cross section is biconvex with edge abrading on the base and no beveling. Maximum dimensions are 2.7 cm x 3.7 cm x 0.7 cm and it weighs 8.4 g. The stem measures 1.3 cm x 2.4 cm and comprises about 48% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is Unknown and most closely resembles the Steuben variant type, which is associated with the Woodland Period.



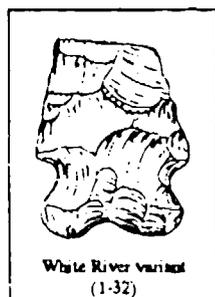
Steuben (1-30)

Artifact 1-30 is a bifacial knife. It is an expanding stem specimen with a pointed tip, an asymmetrical blade, side notches, sloping shoulders and a straight base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 5.9 cm x 2.8 cm x 0.9 cm and it weighs 13.0 g. The stem measures 1.3 cm x 2.2 cm and comprises about 27% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is a variant of the Steuben type, which is associated with the Woodland Period.

Artifact 1-31 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, sloping shoulders and a concave base. The cross section is biconvex with edge abrading on the base and no beveling. Maximum dimensions are 3.4 cm x 2.2 cm x 0.6 cm and it weighs 4.9 g. The stem measures 1.5 cm x 2.1 cm and comprises about 44% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen most closely resembles the White River type, which is associated with the Middle Archaic Period.



White River (1-31)



White River variant  
(1-32)

Artifact 1-32 is a projectile point/knife proximal. It is an lobed stem specimen with a damaged tip, a damaged blade, side notches, sloping shoulders and a concave base. The cross section is biconvex with no edge abrading and no beveling. The tip has been damaged by an impact fracture. Maximum dimensions are 2.5 cm x 1.9 cm x 0.6 cm and it weighs 3.3 g. The stem measures 0.8 cm x 1.8 cm and comprises about 32% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is a variant of the White River variant type, which is associated with the Middle Archaic Period.

Artifact 1-33 is a projectile point/knife. It is an expanding stem specimen with a damaged tip, an excurvate blade, side notches, square shoulders and a concave base. The cross section is biconvex with edge abrading on the stem and no beveling. The tip has been damaged by an impact fracture. Maximum dimensions are 3.3 cm x 2.2 cm x 0.8 cm and it weighs 5.8 g. The stem measures 1.5 cm x 2.0 cm and comprises about 45% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Duncan type, which is associated with the Late Archaic Period.



Artifact 1-35 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, an asymmetrical blade, side notches, sloping shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.9 cm x 2.6 cm x 0.7 cm and it weighs 8.1 g. The stem measures 1.2 cm x 2.7 cm and comprises about 41% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen most closely resembles the Rice Side Notched type, which is associated with the Woodland Period.



Artifact 1-36 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, a straight blade, side notches, sloping shoulders and a concave base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 2.7 cm x 2.6 cm x 0.5 cm and it weighs 4.7 g. The stem measures 1.0 cm x 2.6 cm and comprises about 37% of the total length of the specimen. The raw material is heat-treated Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Rice Side Notched type, which is associated with the Woodland Period.

Artifact 1-37 is a dart point. It is an expanding stem specimen with a damaged tip, a damaged blade, side notches, sloping shoulders and a concave base. The cross section is diamond-shaped with edge abrading on the stem and no beveling. The tip has been damaged by an impact fracture. Maximum dimensions are 3.2 cm x 2.9 cm x 0.7 cm and it weighs 7.5 g. The stem measures 1.1 cm x 2.8 cm and comprises about 34% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is exhausted and most closely resembles the Rice Side Notched type, which is associated with the Woodland Period.

Artifact 1-39 is a bifacial knife. It is an lobed stem specimen with a damaged tip, a straight blade, side notches, sloping shoulders and a concave base. The cross section is

biconvex with edge abrading on the base and no beveling. Maximum dimensions are 5.0 cm x 2.2 cm x 0.7 cm and it weighs 9.6 g. The stem measures 1.2 cm x 1.8 cm and comprises about 24% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and is a variant of the Steuben type, which is associated with the Woodland Period.

Artifact 1-40 is a dart point. It is an expanding stem specimen with a damaged tip, a damaged blade, side notches, missing shoulders and a concave base. The cross section is biconvex with edge abrading on the stem/base and no beveling. The tip has been damaged by an impact fracture. Maximum dimensions are 3.7 cm x 3.4 cm x 0.7 cm and it weighs 7.5 g. The stem measures 1.2 cm x 0.0 cm and comprises about 32% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed no evidence of use-wear. This specimen is exhausted and most closely resembles the Rice Side Notched type, which is associated with the Woodland Period. Most Rice Side Notched bifaces served as knives, at least early in the use cycle. However, the edges of this specimen are all damaged due to impact, so wear is impossible to recognize if it once existed.

Artifact 1-41 is a bifocal knife proximal. It is an expanding stem specimen with a missing tip, an missing blade, side notches, sloping shoulders and a straight base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 2.8 cm x 2.9 cm x 0.8 cm and it weighs 7.8 g. The stem measures 1.3 cm x 2.7 cm and comprises about 46% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen most closely resembles the Rice Side Notched type, which is associated with the Woodland Period.

Artifact 1-42 is a projectile point/knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, missing shoulders and a concave base. The cross section is biconvex with no edge abrading and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 3.3 cm x 2.5 cm x 0.7 cm and it weighs 5.9 g. The stem measures 1.2 cm x 0.0 cm and comprises about 36% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is exhausted and most closely resembles the Rice Side Notched type, which is associated with the Woodland Period.

Artifact 1-43 is a bifacial knife. It is an expanding stem specimen with a pointed tip, a straight blade, side notches, square shoulders and a straight base. The cross section is rhomboidal with no edge abrading and beveling on the left blade edge. Maximum dimensions are 3.1 cm x 1.8 cm x 0.6 cm and it weighs 3.0 g. The stem measures 1.0 cm x 1.6 cm and comprises about 32% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally.



Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type possibly associated with the Woodland Period. This biface is small enough to be an arrow point, however it is too thick and beveling is not usually found on arrow points.



Artifact 1-45 is a projectile point/knife. It is an expanding stem specimen with a damaged tip, an excurvate blade, corner notches, barbed shoulders and a recurved base. The cross section is biconvex with no edge abrading and no beveling. The tip has been damaged by an impact fracture. Maximum dimensions are 1.7 cm x 1.8 cm x 0.5 cm and it weighs 1.4 g. The stem measures 0.5 cm x 1.5 cm and comprises about 29% of the total length of the specimen. The raw material is heat-treated

Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type possibly associated with the Woodland Period. This is a very small biface. The shape is like a San Patrice, but there is no stem grinding and it is too small. Similar bifaces were recovered from a Middle Woodland context at the Albertson site (category MW-2) where they seemed to function as dart points (Dickson 1991:95). This biface is small enough to have served as an arrow point.

Artifact 1-47 is an arrow point. It is an expanding stem specimen with a damaged tip, a straight blade, corner notches, barbed shoulders and a recurved base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.0 cm x 1.3 cm x 0.4 cm and it weighs 0.8 g. The stem measures 0.8 cm x 1.1 cm and comprises about 40% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed no evidence of use-wear. This specimen is a variant of the Sallisaw type, which is associated with the Mississippi Period.



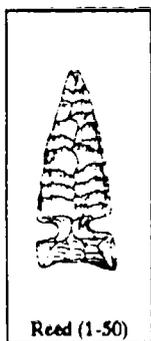
Artifact 1-48 is an arrow point. It is an expanding stem specimen with a pointed tip, a straight blade, side notches, square shoulders and a convex base. The cross section is plano-convex with no edge abrading and no beveling. Maximum dimensions are 2.4 cm x 1.1 cm x 0.3 cm and it weighs 0.8 g. The stem measures 0.6 cm x 1.0 cm and comprises about 25% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic

examination revealed no evidence of use-wear. This specimen most closely resembles the Keota type, which is associated with the Mississippi Period.

Artifact 1-49 is an arrow point. It has a notched stem with a pointed tip, a straight blade, side notches, sloping shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.8 cm x 1.4 cm x 0.3 cm and it



weighs 0.8 g. The stem measures 0.9 cm x 1.9 cm and comprises about 32% of the total length of the specimen. The raw material is Reeds Spring chert, which is found in southwest Missouri and northwest Arkansas into northeast Oklahoma and extreme southeast Kansas. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Huffaker type, which is associated with the Mississippi Period. This is basically a triangular arrow point with a deep notch placed on each side 0.8 cm above the base and a shallow notch placed on each side in the center of the slightly expanding hafting area.



Reed (1-50)

Artifact 1-50 is an arrow point. It is an expanding stem specimen with a pointed tip, an excurvate blade, side notches, square shoulders and a concave base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.7 cm x 1.1 cm x 0.3 cm and it weighs 0.8 g. The stem measures 0.7 cm x 1.1 cm and comprises about 26% of the total length of the specimen. The raw material is Reeds Spring chert, which is found in southwest Missouri and northwest Arkansas into northeast Oklahoma and extreme southeast Kansas. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Reed type, which is associated with the Mississippi Period.

Artifact 1-51 is an arrow point. It is an expanding stem specimen with a pointed tip, a straight blade, corner notches, square shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.3 cm x 1.4 cm x 0.5 cm and it weighs 1.1 g. The stem measures 0.7 cm x 0.9 cm and comprises about 30% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Scallorn Eddy type, which is associated with the Woodland and Mississippi periods.



Scallorn Eddy  
(1-51)

Artifact 1-52 is an arrow point. It is an expanding stem specimen with a pointed tip, an excurvate blade, side notches, sloping shoulders and a straight base. The cross section is plano-convex with no edge abrading and no beveling. Maximum dimensions are 2.0 cm x 1.0 cm x 0.3 cm and it weighs 0.8 g. The stem measures 0.7 cm x 1.1 cm and comprises about 35% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Scallorn eddy type, which is associated with the Woodland and Mississippi periods.

Artifact 1-53 is an arrow point proximal. It is an expanding stem specimen with a missing tip and blade, corner notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.5 cm x 1.7 cm x 0.3 cm and it weighs 0.8 g. The stem measures 0.6 cm x 0.0 cm and comprises about 40% of the total length of the specimen. The raw material is Jefferson

City chert, which is found locally in the deeper valleys. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Scallorn coryell type, which is associated with the Mississippi Period.

Artifact 1-54 is an arrow point proximal. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, missing shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.0 cm x 1.3 cm x 0.4 cm and it weighs 0.9 g. The stem measures 0.8 cm x 0.9 cm and comprises about 40% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Scallorn type, which is associated with the Woodland and Mississippi periods.

Artifact 1-55 is an arrow point proximal. It has a damaged tip and blade, corner notches, square shoulders and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.7 cm x 1.1 cm x 0.3 cm and it weighs 0.7 g. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Scallorn type, which is associated with the Woodland and Mississippi periods.

Artifact 1-56 is an arrow point proximal. It is an unstemmed unnotched specimen with a missing tip, a damaged blade, no shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.5 cm x 1.7 cm x 0.4 cm and it weighs 0.9 g. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Fresno type, which is associated with the Mississippi Period.

Artifact 1-57 is a bifacial knife distal. It is an unstemmed unnotched specimen with a pointed tip, an excurvate blade, no shoulders and a missing base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.7 cm x 1.8 cm x 0.5 cm and it weighs 3.0 g. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

### **23PO395**

23PO395 is a prehistoric habitation exhibiting evidence of Late Archaic, Middle to Late Woodland and Mississippi Period occupations. It was recorded by Howard Wimmer in 1986 when he collected 38 artifacts weighing 953.9 g. These included 1 flat abrader (328.2 g), 1 arrow point (0.8 g), 2 stemmed biface fragments (23.5 g), 1 clay-tempered roughened body (27.3 g), 1 core (87.3 g), 1 dart point fragment (6.1 g), 1 grit-tempered roughened red slipped body (33.7 g), 1 hoe, chipped (63.8 g), 16 bifacial knife fragments

(126.0 g), 3 bifacial knives (21.5 g), 8 preform fragments (175.3 g), 1 aborted preform (53.0 g) and 1 projectile point/knife fragment (7.4 g).

Artifact 1-1 is a flat abrader. Maximum dimensions are 7.7 cm x 7.4 cm x 3.8 cm and it weighs 328.2 g. The raw material is sandstone, which probably is found locally. Microscopic examination revealed wear resulting from grinding. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-2 is a bifacial knife proximal. It is a contracting stem specimen with a missing tip, a straight blade, corner removed, square shoulders and a straight base. The cross section is biconvex with edge abrading on the stem/base and no beveling. Maximum dimensions are 4.9 cm x 3.6 cm x 0.7 cm and it weighs 12.7 g. The stem measures 2.0 cm x 2.2 cm and comprises about 41% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen most closely resembles the Dickson type, which is associated with the Middle Woodland Period.

Artifacts cataloged as 1-4 include eight bifacial knife midsections. It has a missing tip, a damaged blade, missing shoulders and a missing base. The cross section is biconvex with no edge abrading and no beveling. Together they weigh 67.2 g. The raw materials include Jefferson City and both plain and heat-treated Burlington chert, both of which are found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. These specimens are of an unclassified type not associated with a specific cultural period.

Artifacts cataloged as 1-5 include five bifacial knife distals. All have pointed tips, excurvate blades, no shoulders and missing stems and bases. The cross section is biconvex with no edge abrading and no beveling. Together they weigh 21.7 g. The raw materials include Jefferson City and heat-treated Burlington chert, both of which are found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. These specimens are of an unclassified type not associated with a specific cultural period.



Artifact 1-6 is a bifacial knife. It is an expanding stem specimen with a pointed tip, an excurvate blade, corner notches, square shoulders and a convex base. The cross section is biconvex with edge abrading on the stem and base and no beveling. Maximum dimensions are 5.2 cm x 3.7 cm x 0.9 cm and it weighs 5.5 g. The stem measures 1.3 cm x 2.7 cm and comprises about 25% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting bone or antler. This specimen most closely resembles the Lander Corner Notched type, which is associated with the Middle Woodland Period.

Artifact 1-8 is an arrow point. It is an expanding stem specimen with a pointed tip, an excurvate blade, side notches, sloping shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.3 cm x 0.8 cm x 0.3 cm and it weighs 0.8 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Schild type, which is associated with the Late Woodland Period.

Artifact 1-9 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, an excurvate blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.2 cm x 3.5 cm x 0.8 cm and it weighs 10.0 g. The stem measures 1.3 cm x 2.3 cm and comprises about 41% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Lander Corner Notched type, which is associated with the Woodland Period.

Artifact 1-10 is a projectile point/knife proximal. It is a corner removed contracting stem specimen with a missing tip, an excurvate blade, sloping shoulders and a pointed base. The cross section is biconvex with edge abrading on the stem and base and bifacial beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 3.9 cm x 2.3 cm x 0.8 cm and it weighs 7.4 g. The stem measures 1.9 cm x 1.8 cm and comprises about 49% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Table Rock Pointed Stem type, which is associated with the Woodland and Mississippi periods.

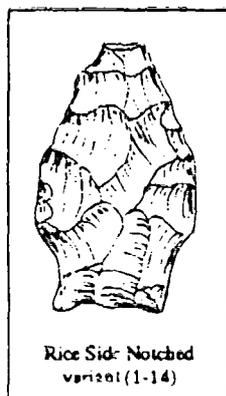


Artifact 1-11 is a bifacial knife. It is a corner removed contracting stem specimen with a pointed tip, a straight blade, missing shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 5.2 cm x 3.0 cm x 0.7 cm and it weighs 10.0 g. The stem measures 1.5 cm x 1.8 cm and comprises about 29% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and is an unclassified type possibly associated with the Woodland Period. This biface could not be classified because the shoulder areas were damaged too much. It is probably either Langtry or a Dickson.

Artifact 1-12 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, square shoulders and a straight base. The

cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 4.1 cm x 3.6 cm x 0.8 cm and it weighs 14.4 g. The stem measures 1.5 cm x 2.9 cm and comprises about 37% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting bone or antler. This specimen most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.

Artifact 1-13 is a dart point proximal. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, damaged shoulders and a concave base. The cross section is biconvex with edge abrading on the stem and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 2.7 cm x 2.5 cm x 0.7 cm and it weighs 6.1 g. The stem measures 1.0 cm x 2.5 cm and comprises about 37% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is exhausted and most closely resembles the Rice Side Notched type, which is associated with the Woodland Period.



Artifact 1-14 is a bifacial knife. It is an expanding stem specimen with a pointed tip, an excurvate blade, corner removed, sloping shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.6 cm x 2.2 cm x 0.7 cm and it weighs 6.0 g. The stem measures 0.7 cm x 1.7 cm and comprises about 19% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Rice Side Notched variant type, which is associated with the Woodland Period.

Artifact 1-18 is a hoe. It is an unstemmed unnotched specimen with a missing tip, an excurvate blade, no shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 7.0 cm x 5.2 cm x 1.8 cm and it weighs 63.8 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from soil polish. This specimen most closely resembles the Sedalia digger, which is associated with the Late Archaic Period (Chapman 1975:200).

Artifact 1-20 is a grit-tempered red-slipped body sherd. This specimen is an unclassified type possibly associated with the Woodland Period. It seems to have been pecked all over with some irregular object to roughen the surface while the clay was pliable and before slipping. The grit is mostly chert.

Artifact 1-21 is a clay-tempered roughened body sherd. This specimen is an unclassified type possibly associated with the Woodland Period. This sherd has been

broken into two pieces that fit together. The surface was roughened with some irregular object while still pliable.

### 23PO396

23PO396 is a prehistoric habitation exhibiting evidence of a Late Prehistoric Period occupations. It was recorded by Howard Wimmer in 1986 when he collected 6 artifacts weighing 67.7 g. These included 1 arrow point (1.3 g), 1 bifacial knife fragment (4.0 g) and 4 preform fragments (62.4 g).

Artifact 1-1 is an arrow point. It is an unstemmed and unnotched specimen with a pointed tip, a straight blade, no shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.3 cm x 1.4 cm x 0.4 cm and it weighs 1.3 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Fresno type, which is associated with the Late Prehistoric Period.



Artifact 1-3 is a rectangular bifacial knife fragment consisting of one shoulder and 1.6 cm of blade edge. It has a missing tip, a damaged blade, square shoulders and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.9 cm x 2.5 cm x 0.6 cm and it weighs 4.0 g. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type not associated with a specific cultural period.

### 23PO397

23PO397 is a prehistoric habitation exhibiting evidence of Late Archaic and Middle Woodland Period occupations. It was recorded by Howard Wimmer in 1987 when he collected 5 artifacts weighing 55.7 g. These included 1 stemmed biface fragment (12.8 g), 2 bifacial knife fragments (7.2 g) and 2 preform fragments (35.7 g).

Artifact 1-1 is a bifacial knife proximal. It is a corner removed contracting stem specimen with a missing tip, a damaged blade, square shoulders and a straight base. The cross section is biconvex with edge abrading on the stem and base and no beveling. Maximum dimensions are 2.9 cm x 3.0 cm x 0.5 cm and it weighs 4.8 g. The stem measures 1.5 cm x 1.9 cm and comprises about 52% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is a variant of the Dickson type, which is associated with the Woodland Period.

Artifact 1-4 is a bifacial knife distal. It is an unstemmed and unnotched specimen with a pointed tip, a straight blade, no shoulders and a missing base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.8 cm x 1.9 cm x 0.5 cm and it weighs 2.4 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

#### 23PO410

23PO410 is a prehistoric habitation of unknown cultural affiliation. It was recorded by Howard Wimmer in 1987 when he collected 3 artifacts weighing 30.8 g. These included 1 bifacial knife fragment (13.3 g), 1 mussel shell fragment (7.7 g) and 1 aborted preform fragment (9.8 g).

Artifact 1-1 is a bifacial knife midsection. It has a missing tip, an excurvate blade and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.2 cm x 3.0 cm x 0.7 cm and it weighs 13.3 g. The raw material is Pierson chert, which is abundant in the Branson area and may be available in isolated areas locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type not associated with a specific cultural period.

#### 23PO411

23PO411 is a prehistoric habitation of unknown cultural affiliation. It was recorded by Howard Wimmer in 1987 when he collected 2 artifacts weighing 143.9 g. These included 1 preform fragment (17.9 g) and 1 preform (126.0 g). Neither is associated with a specific cultural period.

#### 23PO412

23PO412 is a prehistoric habitation exhibiting evidence of Late Archaic, Late Woodland and Mississippi Period occupations. It was recorded by Howard Wimmer in 1988 when he collected 9 artifacts weighing 71.6 g. These included 3 arrow point fragments (2.7 g), 1 stemmed biface fragment (0.8 g), 2 bifacial knife fragments (7.2 g), 1 flake knife fragment (50.1 g), 1 preform (2.9 g) and 1 projectile point/knife fragment (7.9 g).

Artifact 1-1 is a flake knife. The cross section is irregular with no edge abrading and unifacial beveling. Maximum dimensions are 7.8 cm x 5.3 cm x 1.4 cm and it weighs 50.1 g. The raw material is Burlington chert, which is found locally. This roughly rectangular flake is large and thin at one end where much use wear and polish is evident. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type not associated with a specific cultural period.



Artifact 1-2 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, an asymmetrical blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.5 cm x 2.4 cm x 0.7 cm and it weighs 6.1 g. The stem measures 1.0 cm x 1.4 cm and comprises about 29% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Kings Corner Notched type, which is associated with the Late Archaic and Woodland periods.

Artifact 1-3 is a projectile point/knife proximal. It is an expanding stem specimen with a missing tip, an asymmetrical blade, side notches, sloping shoulders and a convex base. The cross section is biconvex with edge abrading on the stem and base and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 2.8 cm x 2.7 cm x 0.9 cm and it weighs 7.9 g. The stem measures 1.1 cm x 2.6 cm and comprises about 39% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is exhausted and most closely resembles the Big Creek type, which is associated with the Late Archaic Period.



Artifact 1-4 is a preform. It is an unstemmed specimen with a pointed tip, an excurvate blade, no notches, no shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.3 cm x 2.0 cm x 0.6 cm and it weighs 2.9 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type possibly associated with the Woodland Period. This is a small slightly asymmetrical preform for an arrow point that has been used briefly as a knife.

Artifact 1-6 is an arrow point proximal. It is an expanding stem specimen with a missing tip, a recurved blade, corner notches, barbed shoulders and a concave base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.9 cm x 1.4 cm x 0.4 cm and it weighs 1.1 g. The stem measures 0.7 cm x 0.9 cm and comprises about 37% of the total length of the specimen. The raw material is Jefferson City quartzite, which is found locally in the deeper valleys. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Sallisaw type, which is associated with the Mississippi Period.



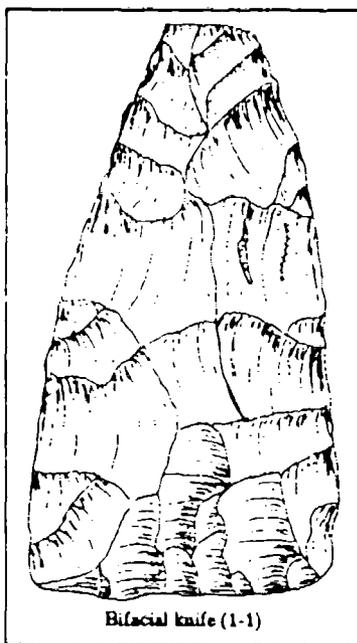
Artifact 1-7 is an arrow point proximal. It is an expanding stem specimen with a missing tip, a straight blade, corner notches, damaged shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.5 cm x 1.5 cm x 0.4 cm and it weighs 1.0 g. The stem measures 0.8 cm x 1.0 cm and comprises about 53% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Scallorn type, which is associated with the Woodland and Mississippi periods.

Artifact 1-8 is an arrow point distal. It has a pointed tip, a straight blade, square shoulders and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.8 cm x 1.0 cm x 0.3 cm and it weighs 0.6 g. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type possibly associated with the Mississippi Period.

Artifact 1-9 is a bifacial knife distal. It has a pointed tip, an asymmetrical blade and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.7 cm x 1.6 cm x 0.4 cm and it weighs 1.1 g. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type not associated with a specific cultural period.

### 23PO415

23PO415 is a prehistoric workshop of unknown cultural affiliation. It was recorded by Howard Wimmer in 1988 when he collected 9 artifacts weighing 310.0 g. These included 2 bifacial knife fragments (18.6 g), 1 bifacial knife (30.5 g), 5 preform fragments (131.9 g) and 1 preform (129.0 g).



Artifact 1-1 is a bifacial knife. It is an unstemmed and unnotched specimen with a damaged tip, an asymmetrical blade, no shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 7.6 cm x 4.1 cm x 1.1 cm and it weighs 30.5 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This well-made specimen is an unclassified type not associated with a specific cultural period but may be a preform for a type like the Kings Corner Notched.

Artifacts cataloged as 1-3 include two bifacial knife distals. Both have rounded tips, asymmetrical blades and

missing stems and bases. The cross sections are biconvex with no edge abrading and no beveling. Together they weigh 18.6 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

### 23PO416

23PO416 is a lithic scatter exhibiting evidence of Late Archaic, Late Woodland and Mississippi Period occupations. It was recorded by Howard Wimmer in 1989 when he collected 14 artifacts weighing 74.8 g. These included 2 arrow point fragments (1.7 g), 2 arrow points (1.6 g), 3 stemmed biface fragments (18.0 g) and 7 bifacial knife fragments (53.5 g).

Artifacts cataloged as 1-2 include five bifacial knife distals. All have rounded tips, excurvate blades and missing stems and bases. The cross sections are biconvex with no edge abrading and no beveling. Together they weigh 39.9 g. The raw materials include Jefferson City and heat-treated Burlington chert (both of which are found locally) and one is made from an unusual purple quartzite. Microscopic examination revealed wear resulting from cutting meat with bone contact. These specimens are of an unclassified type not associated with a specific cultural period.

Artifact 1-3 is an arrow point. It is an expanding stem specimen with a damaged tip, an excurvate blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.0 cm x 1.3 cm x 0.4 cm and it weighs 0.9 g. The stem measures 0.7 cm x 0.7 cm and comprises about 35% of the total length of the specimen. The raw material is heat-treated Jefferson City chert, which is found locally in the deeper valleys.



Microscopic examination revealed no evidence of use-wear. This specimen is resharpened and most closely resembles the Scallorn Eddy type, which is associated with the Mississippi Period.

Artifact 1-4 is an arrow point proximal. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, damaged shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 11.6 cm x 1.2 cm x 0.4 cm and it weighs 0.8 g. The stem measures 0.6 cm x 0.8 cm and comprises about 5% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Scallorn type, which is associated with the Woodland and Mississippi periods.



Artifact 1-5 is an arrow point proximal. It is an expanding stem specimen with a missing tip, a straight blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with no edge

abrading and no beveling. Maximum dimensions are 1.8 cm x 1.2 cm x 0.3 cm and it weighs 0.9 g. The stem measures 0.6 cm x 1.0 cm and comprises about 33% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Sequoyah type, which is associated with the Mississippi Period.

Artifact 1-6 is an arrow point. It is an unstemmed stem specimen with a pointed tip, a straight blade, double side notches, sloping shoulders and a concave base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.3 cm x 1.5 cm x 0.3 cm and it weighs 0.7 g. The stem measures 0.8 cm x 1.5 cm and comprises about 35% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Huffaker variant type, which is associated with the Mississippi Period. The notch in the base is unusually wide but otherwise the point is typical of the Huffaker type.



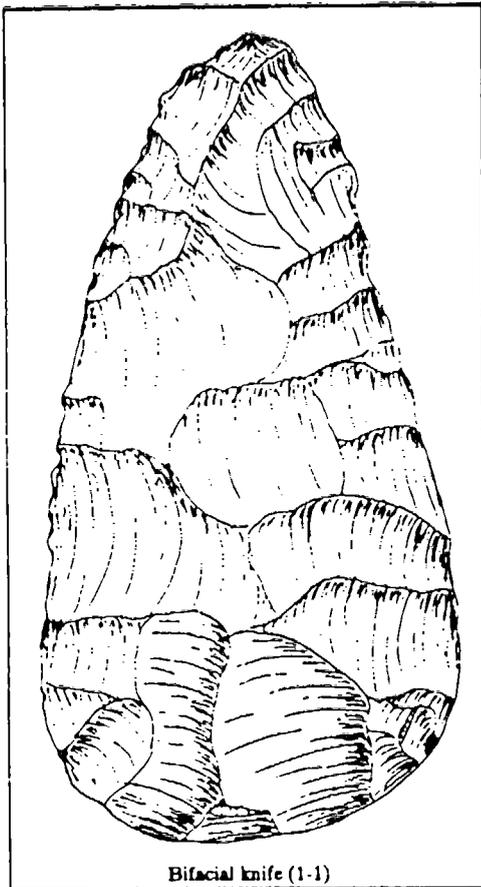
Artifact 1-7 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, an asymmetrical blade, corner notches, barbed shoulders and a straight base. The cross section is irregular with no edge abrading and no beveling. Maximum dimensions are 4.0 cm x 2.7 cm x 1.0 cm and it weighs 9.4 g. The stem measures 1.2 cm x 2.1 cm and comprises about 30% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period. It has a large unremoved knot on one face but was used as cutting tool in spite of it.

Artifact 1-10 is a bifacial knife midsection. It has a missing tip, a damaged blade, missing shoulders and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.9 cm x 2.8 cm x 0.6 cm and it weighs 4.2 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

### 23PO417

23PO417 is a lithic scatter exhibiting evidence of a Late Archaic Period occupation. It was recorded by Howard Wimmer in 1989 when he collected 5 artifacts weighing 192.6 g. These included 1 stemmed biface fragment (5.4 g), 1 bifacial knife (74.0 g) and 3 preform fragments (113.2 g).

Artifact 1-1 is an elongated leaf-shaped or egg-shaped bifacial knife. It is an unstemmed specimen with a rounded tip, an excurvate blade, no notches, no shoulders and a convex base. The cross section is biconvex with edge abrading on the working edge and



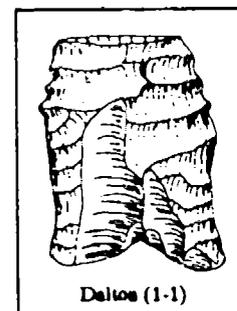
Bifacial knife (1-1)

no beveling. Maximum dimensions are 10.6 cm x 5.5 cm x 1.5 cm and it weighs 74.0 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period. This biface is well made considering the coarse texture of the chert. Use polish and rounding goes all around the margins, including the base. Probably this was a preform used as a cutting tool. This preform shape is common in the Late Archaic, but can be found in other contexts as well.

### 23PO418

23PO418 is a lithic scatter exhibiting evidence of Late Archaic and Woodland Period occupations. It was recorded by Howard Wimmer in 1989 when he collected 10 artifacts weighing 62.2 g. These included 1 dart point fragment (2.3 g), 1 bifacial drill fragment (8.4 g), 6 bifacial knife fragments (26.7 g) and 2 preform fragments (24.8 g).

Artifact 1-1 is a bifacial knife proximal. It is a parallel stem specimen with a missing tip, a damaged blade, no notches, no shoulders and a concave base. The cross section is biconvex with edge abrading on the stem and base and no beveling. Maximum dimensions are 2.9 cm x 2.2 cm x 0.6 cm and it weighs 5.0 g. The stem measures 1.5 cm x 2.1 cm and comprises about 52% of the total length of the specimen. The raw material is heat-treated Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Dalton type, which is associated with the Early Archaic Period. This biface has been resharpened bifacially but some serrations still exist on the blade edges. A large potlid fracture can be seen on one face, so it was probably broken by heat.



Dalton (1-1)

Artifact 1-2 is a bifacial drill midsection. It has a missing tip, an incurvate blade and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.7 cm x 3.3 cm x 0.7 cm and it weighs 8.4 g. The

raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type not associated with a specific cultural period. This biface seems to be the base and distal portion of a perforator. Any use wear would appear on the missing distal portion, but the morphology suggests a perforator.

Artifact 1-3 is a bifacial knife midsection. It has a missing tip, a damaged blade and a missing stem and base. The cross section is rhomboidal with no edge abrading and right beveling. Maximum dimensions are 2.1 cm x 2.1 cm x 0.7 cm and it weighs 4.1 g. The raw material is heat-treated Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and is an unclassified type but the beveled blade with slight serrations suggests an Early Archaic affiliation. The type was probably Dalton, but it also could have been Rice or Breckenridge.



Artifact 1-4 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, square shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.3 cm x 1.8 cm x 0.5 cm and it weighs 2.8 g. The stem measures 1.0 cm x 1.6 cm and comprises about 30% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Kings Corner Notched type, which is associated with the Late Archaic Period.

Artifact 1-5 is a dart point stem. It is an expanding stem specimen with a missing tip and blade, side notches, missing shoulders and a concave base. The cross section is biconvex with edge abrading on the base and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 2.1 cm x 11.6 cm x 0.6 cm and it weighs 2.3 g. The stem measures 0.8 cm x 1.6 cm and comprises about 38% of the total length of the specimen. The raw material is heat-treated Pierson chert, which is abundant in the Branson area and may be available in isolated areas locally. Microscopic examination revealed no evidence of use-wear. This specimen is exhausted and is a variant of the White River type, which is associated with the Middle Archaic Period.

Artifacts cataloged as 1-7 include three bifacial knife midsections. All have missing tips, damaged blades missing shoulders, stems and bases. The cross sections are biconvex with no edge abrading and no beveling. Together they weigh 14.8 g. The raw materials include plain and heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. These specimens are of an unclassified type not associated with a specific cultural period.

## 23PO419

23PO419 is a prehistoric habitation exhibiting evidence of Middle Woodland and Mississippi Period occupations. It was recorded by Howard Wimmer in 1989 when he collected 13 artifacts weighing 578.8 g. These included 1 flat abrader (471.2 g), 1 arrow point (1.6 g), 2 stemmed biface fragments (9.7 g), 2 bifacial knife fragments (8.2 g) and 7 preform fragments (88.1 g).

Artifact 1-1 is a flat abrader fragment. Maximum dimensions are 11.1 cm x 7.2 cm x 3.6 cm and it weighs 471.2 g. The raw material is a hard sandstone, which probably is found locally. It has been shaped by pecking and grinding and has a 2.5 cm x 3.0 cm x 0.2 cm pit on each face. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-2 is an arrow point. It is an expanding stem specimen with a damaged tip, an excurvate blade, corner notches, barbed shoulders and a damaged base. The cross section is biconvex with no edge abrading and no beveling. The tip has been damaged by an impact fracture. Maximum dimensions are 2.7 cm x 1.8 cm x 0.4 cm and it weighs 1.6 g. The stem measures 0.6 cm long and comprises about 22% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This is a rare arrow point with its unusually wide blade, strong barbs and distinctive base. Four examples were recovered from an Early Caddoan context at the Albertson site (3BE174) in Benton County, Arkansas (Dickson 1991:144).



Artifact 1-6 is a bifacial knife midsection. It has missing a missing tip, a damaged blade, missing shoulders and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.6 cm x 1.8 cm x 0.6 cm and it weighs 2.0 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

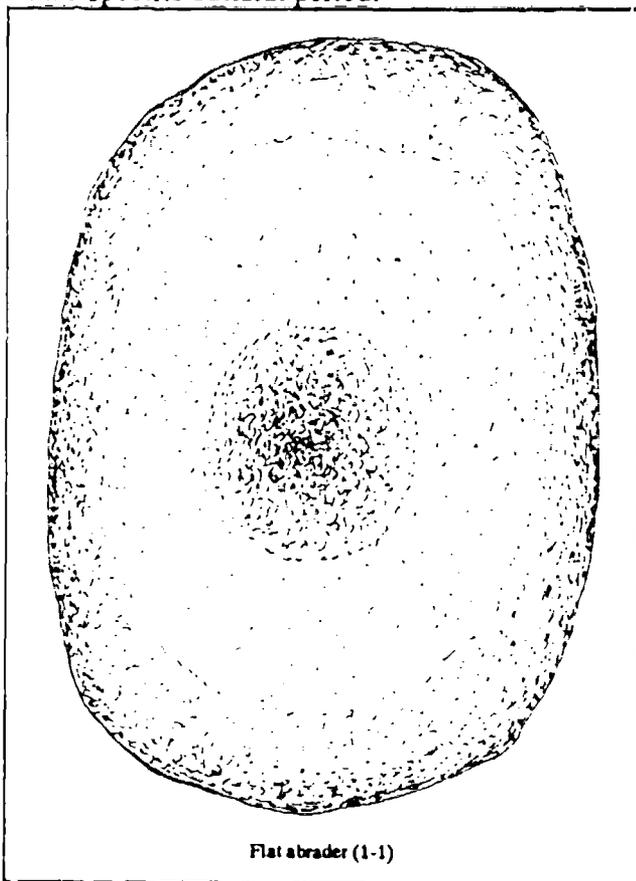
Artifact 1-7 is a bifacial knife distal. It has a pointed tip, an excurvate blade, missing shoulders and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.5 cm x 3.6 cm x 0.6 cm and it weighs 6.2 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

## 23PO420

23PO420 is a prehistoric habitation exhibiting evidence of Late Archaic, Middle to Late Woodland and Mississippi Period occupations. It was recorded by Howard Wimmer in 1989 when he collected 16 artifacts weighing 823.7 g. These included 1 flat abrader

(602.0 g), 1 arrow point fragment (0.9 g), 1 arrow point (1.0 g), 1 unstemmed biface fragment (10.3 g), 2 bifacial knife fragments (29.0 g), 1 bifacial knife (10.6 g), 1 flake knife fragment (9.9 g), 1 knife/scrapper fragment (27.0 g), 1 knife/scrapper (9.9 g) and 6 preform fragments (123.1 g).

Artifact 1-1 is a flat abraded. Maximum dimensions are 10.9 cm x 7.7 cm x 4.4 cm and it weighs 602.0 g. The raw material is a hard tan sandstone, which is found locally. It has been shaped by pecking and grinding and exhibits one flat face and one convex face with a 3.5 cm x 2.5 cm x 0.5 cm pint. This specimen is an unclassified type not associated with a specific cultural period.



Artifact 1-2 is a bifacial knife/scrapper distal. It has a rounded tip, an excurvate blade, no shoulders and a missing stem and base. The cross section is plano-convex with no edge abrading and both right and left beveling. Maximum dimensions are 8.5 cm x 4.0 cm x 0.9 cm and it weighs 27.0 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact and from scraping wet hide. This specimen most closely resembles the Harahey Knife, which is associated with the Mississippi Period.

Artifact 1-3 is a bifacial knife midsection. It has a missing tip, a

straight blade, no shoulders and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 8.3 cm x 2.2 cm x 0.7 cm and it weighs 14.6 g. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-4 is a bifacial. It is a corner removed contracting stem specimen with a pointed tip, an excurvate



blade, sloping shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 5.7 cm x 3.1 cm x 0.8 cm and it weighs 10.6 g. The stem measures 1.6 cm x 2.2 cm and comprises about 28% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen most closely resembles the Dickson type, which is associated with the Middle Woodland Period.

Artifact 1-5 is a bifacial knife proximal. It is a corner removed contracting stem specimen with a missing tip, an asymmetrical blade, sloping shoulders and a straight base. The cross section is plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 4.6 cm x 4.3 cm x 0.8 cm and it weighs 14.4 g. The stem measures 1.3 cm x 1.5 cm and comprises about 28% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type possibly associated with the Woodland Period. This unusual biface probably has had the stem reworked. Originally, it incurred evenly down to the straight base, but it seems to have been damaged and reworked to form a parallel-sided stem oriented to one side.

Artifact 1-6 is a thick flake knife. It is an unstemmed specimen with a pointed tip, an asymmetrical blade, no notches, no shoulders and a pointed base. The cross section is irregular with no edge abrading and unifacial beveling along three margins. Maximum dimensions are 6.5 cm x 3.9 cm x 1.0 cm and it weighs 9.9 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type not associated with a specific cultural period.



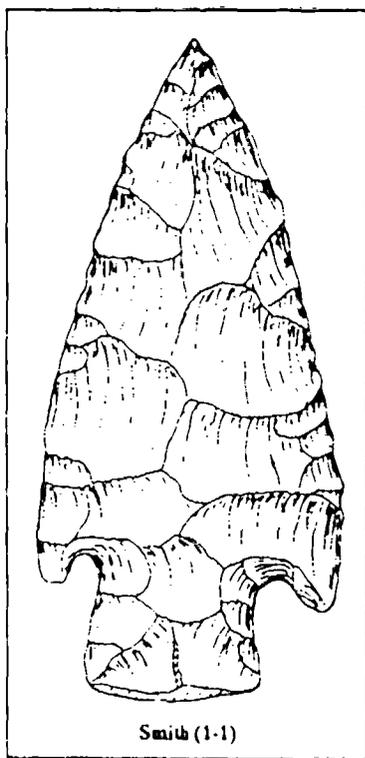
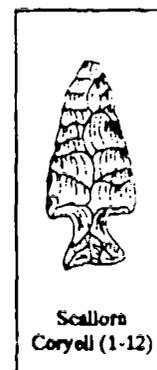
Artifact 1-8 is a bifacial knife/scrapper. It is an expanding stem specimen with a rounded tip, an reworked blade, basal notches, barbed shoulders and a damaged base. The cross section is Plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 4.2 cm x 3.0 cm x 0.7 cm and it weighs 9.9 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact and from scraping wet hide. This specimen is a variant of the Kings Corner Notched var. type, which is associated with the Late Archaic Period. This biface is more basally notched than is usual for Kings Corner Notched bifaces. The tip has been unifacially worked into an end scraper and one edge has been unifacially worked into a side scraping margin. The other edge has been bifacially reworked and has been used for cutting.

Artifact 1-9 is a biface distal. It has a pointed tip, a damaged blade, damaged shoulders and a missing stem and base. The cross section is biconvex with no edge

abrading and no beveling. Maximum dimensions are 5.7 cm x 3.0 cm x 0.7 cm and it weighs 11.8 g. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-11 is an arrow point proximal. It is an expanding stem specimen with a missing tip, an incurved blade, corner notches, square shoulders and a missing base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.8 cm x 1.4 cm x 0.4 cm and it weighs 0.9 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Scallorn type, which is associated with the Woodland and Mississippi periods.

Artifact 1-12 is an arrow point. It is an expanding stem specimen with a pointed tip, a straight blade, corner notches, square shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.6 cm x 1.2 cm x 0.4 cm and it weighs 1.0 g. The stem measures 0.7 cm x 0.8 cm and comprises about 27% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Scallorn Coryell type, which is associated with the Woodland and Mississippi periods.



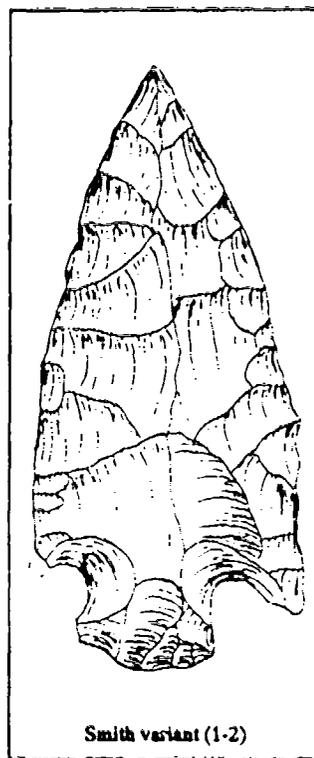
### 23PO421

23PO421 is a prehistoric workshop exhibiting evidence of a Late Archaic Period occupation. It was recorded by Howard Wimmer in 1989 when he collected 5 artifacts weighing 80.4 g. These included 2 bifacial knife fragments (15.3 g), 2 bifacial knives (51.4 g) and 1 preform fragment (13.7 g).

Artifact 1-1 is a biface. It is a parallel stem specimen with a pointed tip, an excruciate blade, basal notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 8.8 cm x 4.1 cm x 0.9 cm and it weighs 27.1 g. The stem measures 1.5 cm x 2.3 cm and comprises about 17% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely

resembles the Smith type, which is associated with the Late Archaic Period.

Artifact 1-2 is a bifacial knife. It is a parallel stem specimen with a pointed tip, an excurvate blade, basal notches, barbed shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 7.9 cm x 3.4 cm x 0.9 cm and it weighs 24.3 g. The stem measures 1.1 cm x 1.9 cm and comprises about 14% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is a variant of the Smith type, which is associated with the Late Archaic Period. The stem is not quite as well made as on a typical Smith.



Artifacts cataloged as 1-3 include two bifacial knife distals. Both have damaged tips and blades, missing shoulders and missing stems and bases. The cross sections are biconvex with no edge abrading and no beveling. Together they weigh 15.3 g. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. These specimens are of an unclassified type not associated with a specific cultural period.

### 23PO422

23PO422 is a prehistoric habitation exhibiting evidence of Late to Terminal Archaic, Middle to Late Woodland and Mississippi Period occupations. It was recorded by Howard Wimmer in 1989 when he collected 47 artifacts weighing 1,296.3 g. These included 1 flat abrader (575.4 g), 3 arrow point fragments (2.8 g), 6 arrow points (4.2 g), 2 stemmed biface fragments (5.8 g), 18 bifacial knife fragments (143.1 g), 3 bifacial knives (44.5 g), 6 preform fragments (129.6 g), 2 preforms (75.8 g), 1 aborted preform fragment (6.8 g), 2 aborted preforms (277.3 g) and 3 projectile point/knife fragments (31.0 g).

Artifact 1-2 is an elliptical thin flat abrader. Maximum dimensions are 10.6 cm x 8.5 cm x 4.2 cm and it weighs 575.4 g. The raw material is a hard tan sandstone, which is found locally. One face is convex and smooth from use, while the other is almost flat with a faintly pitted area in the center. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-3 is a projectile point/knife proximal. It is an expanding stem specimen with a missing tip, an excurvate blade, corner notches, barbed shoulders and a convex base. The cross section is biconvex with edge abrading on the base and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 4.1 cm x 4.2



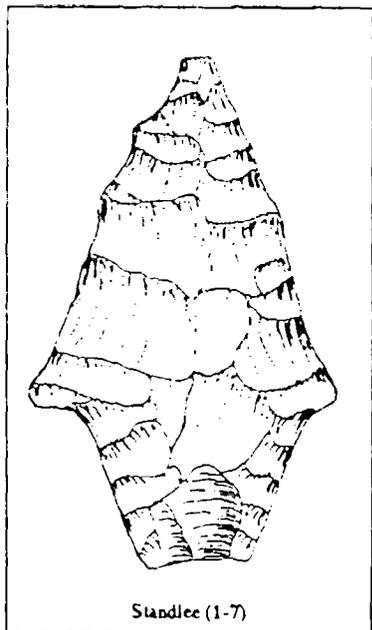
cm x 0.8 cm and it weighs 13.9 g. The stem measures 1.2 cm x 3.1 cm and comprises about 29% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is resharpened and most closely resembles the Snyders type, which is associated with the Middle Woodland Period. Apparently this point was used as knife until resharpening reduced size and then used as a dart point, an unusual function for Snyders points.

Artifacts cataloged as 1-5 include 10 bifacial knife distals. All have rounded tips, excurvate blades, missing shoulders and missing stems and bases. The cross sections are biconvex with no edge abrading and no beveling. Together they weigh 58.6 g. The raw material is Jefferson City chert, both plain and heat-treated Burlington chert and an unidentified chert. Microscopic examination revealed wear resulting from cutting meat with bone contact. These specimens are of an unclassified type not associated with a specific cultural period.

Artifact 1-6 is a projectile point/knife proximal. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, damaged shoulders and a convex base. The cross section is biconvex with edge abrading on the base and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 3.6 cm x 3.6 cm x 0.9 cm and it weighs 12.9 g. The stem measures 1.6 cm x 3.5 cm and comprises about 44% of the total length of the specimen.



The raw material is unidentified chert. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is exhausted and most closely resembles the Snyders type, which is associated with the Middle Woodland Period. Normally Snyders points are cutting tools, but this one was used as dart point after resharpening reduced its size and width.



Artifact 1-7 is a bifacial knife. It is a corner removed contracting stem specimen with a pointed tip, an asymmetrical blade, sloping shoulders and a concave base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 6.8 cm x 4.2 cm x 0.8 cm and it weighs 17.8 g. The stem measures 1.8 cm x 2.7 cm and comprises about 26% of the total

length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the Standlee type, which is associated with the Terminal Archaic and Woodland periods. The blade of this biface is angular, like an Afton on one edge, while it has two angular areas on the other margin. Heavy grinding of the stem and angularity of the blade suggest the Terminal Archaic, but the basic form is found in the Woodland also.

Artifact 1-8 is a bifacial knife distal. It is a corner removed contracting stem specimen with a pointed tip, a recurved blade, sloping shoulders and a missing base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 5.1 cm x 3.3 cm x 0.7 cm and it weighs 10.6 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is resharpened and is an unclassified type possibly associated with the Woodland Period.

Artifact 1-9 is a projectile point/knife proximal. It is a corner removed contracting stem specimen with a missing tip, a straight blade, sloping shoulders and a pointed base. The cross section is plano-convex with edge abrading on the stem and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 3.2 cm x 2.1 cm x 0.6 cm and it weighs 4.2 g. The stem measures 1.6 cm x 1.6 cm and comprises about 50% of the total length of the specimen. The raw material is a greenish-gray Reeds Spring chert from the Stone and Taney county area of Missouri or Madison County, Arkansas. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is exhausted and most closely resembles the Table Rock Pointed Stem type, which is associated with the Late Woodland and Mississippi periods.



Table Rock Pointed  
Stem (1-9)

Artifact 1-10 is a bifacial knife. It is an unstemmed specimen with a rounded tip, an excurvate blade, no notches, no shoulders and a pointed base. The cross section is irregular with no edge abrading and no beveling. Maximum dimensions are 6.1 cm x 3.7 cm x 1.0 cm and it weighs 20.1 g. The raw material is a fine textured greenish-gray Reeds Spring chert, which is found in southwest Missouri and northwest Arkansas into northeast Oklahoma and extreme southeast Kansas. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period. While this may have been the preform for a contracting stemmed biface, the distal end did not flake properly so the proximal end was sharpened and used as a cutting tool (probably hand held).

Artifact 1-11 is a bifacial knife proximal. It is a corner removed contracting stem specimen with a missing tip, an asymmetrical blade, damaged shoulders and a convex base. The cross section is irregular with no edge abrading and no beveling. Maximum dimensions are 4.2 cm x 3.8 cm x 1.1 cm and it weighs 14.4 g. The stem measures 1.5 cm

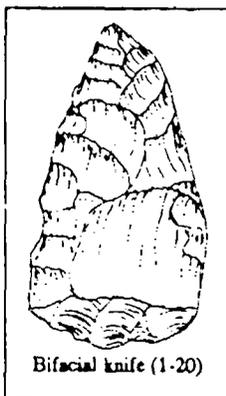
x 2.2 cm and comprises about 36% of the total length of the specimen. The raw material is a very fossiliferous heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type possibly associated with the Woodland Period.

Artifacts cataloged as 1-12 include three bifacial knife midsections. All have missing tips, asymmetrical blades, no shoulders and missing stems and bases. The cross sections are biconvex with no edge abrading and no beveling. Together they weigh 20.3 g. The raw materials include heat-treated Jefferson City chert and heat-treated Burlington chert, both of which are found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. These specimens are of an unclassified type not associated with a specific cultural period.

Artifact 1-13 is a bifacial knife distal. It has a pointed tip, an excurvate blade, missing shoulders and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 6.7 cm x 2.9 cm x 0.7 cm and it weighs 12.1 g. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-16 is a bifacial knife proximal. It is an unstemmed specimen with a missing tip, a damaged blade, no notches, no shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.2 cm x 4.1 cm x 1.0 cm and it weighs 15.3 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen most closely resembles the Red Ochre type, which is associated with the Late Archaic Period.

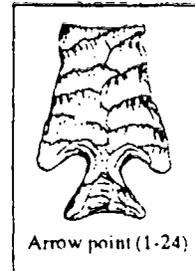
Artifact 1-18 is a preform. It is an unstemmed specimen with a rounded tip, an excurvate blade, no notches, no shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 6.0 cm x 3.0 cm x 1.0 cm and it weighs 16.8 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type not associated with a specific cultural period.



Artifact 1-20 is a bifacial knife. It is an unstemmed specimen with a pointed tip, an excurvate blade, no notches, no shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 4.2 cm x 2.2 cm x 0.7 cm and it weighs 6.6 g. Raw material is heat-treated Jefferson City chert found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-23 is an arrow point preform proximal. It is an unstemmed specimen with a missing tip and blade, no notches, no shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.5 cm x 2.1 cm x 0.5 cm and it weighs 1.8 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type possibly associated with the Woodland and Mississippi periods.

Artifact 1-24 is an arrow point proximal. It is an expanding stem specimen with a missing tip, an incurved blade, corner notches, barbed shoulders and a concave base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.5 cm x 1.7 cm x 0.4 cm and it weighs 1.7 g. The stem measures 0.7 cm x 1.1 cm and comprises about 28% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally.

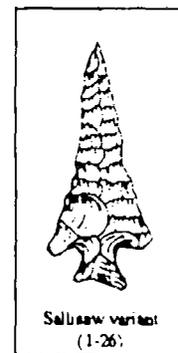


Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type possibly associated with the Mississippi Period. This is an unusual type, similar to a specimen from 23PO419. Dickson (1991:144) documents four similar specimens from an Early Caddoan context at Albertson (3BE174).



Artifact 1-25 is an arrow point similar to 1-24. It is an expanding stem specimen with a pointed tip, an excurvate blade, corner notches, barbed shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.2 cm x 1.6 cm x 0.4 cm and it weighs 1.0 g. The stem measures 0.7 cm x 1.2 cm and comprises about 32% of the total length of the specimen. The raw material is heat-treated Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed no evidence of use-wear. This specimen is an unclassified type possibly associated with the Mississippi Period.

Artifact 1-26 is an arrow point. It is an expanding stem specimen with a pointed tip, a recurved blade, corner notches, barbed shoulders and a concave base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.0 cm x 1.3 cm x 0.4 cm and it weighs 0.9 g. The stem measures 0.6 cm x 0.7 cm and comprises about 20% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is a variant of the Sallisaw type, which is associated with the Mississippi Period.



Artifact 1-27 is an arrow point proximal. It is an expanding stem specimen with a missing tip, a straight blade, corner notches, square shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.7 cm x 1.3 cm x 0.3 cm and it weighs 0.7 g. The stem measures 0.6 cm x 0.9 cm

and comprises about 35% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Scallorn Coryell type, which is associated with the Woodland and Mississippi periods.

Artifact 1-28 is an arrow point. It is an expanding stem specimen with a pointed tip, a straight blade, corner notches, square shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.5 cm x 1.0 cm x 0.3 cm and it weighs 0.7 g. The stem measures 0.5 cm x 0.9 cm and comprises about 20% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Scallorn Coryell type, which is associated with the Woodland and Mississippi periods.



Artifact 1-29 is an arrow point. It is an expanding stem specimen with a damaged tip, an excurvate blade, corner notches, square shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. The tip has been damaged by an impact fracture. Maximum dimensions are 2.1 cm x 1.1 cm x 0.3 cm and it weighs 0.7 g. The stem measures 0.6 cm x 0.9 cm and comprises about 29% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Scallorn Coryell type, which is associated with the Woodland and Mississippi periods.

Artifact 1-30 is an arrow point. It is an expanding stem specimen with a pointed tip, an excurvate blade, side notches, square shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.9 cm x 0.9 cm x 0.4 cm and it weighs 0.6 g. The stem measures 0.6 cm x 0.8 cm and comprises about 32% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed no evidence of use-wear. This specimen most closely resembles the Scallorn Eddy type, which is associated with the Woodland and Mississippi periods.

Artifact 1-31 is an arrow point. It is an expanding stem specimen with a pointed tip, a straight blade, side notches, sloping shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 1.4 cm x 0.8 cm x 0.3 cm and it weighs 0.3 g. The stem measures 0.5 cm x 0.7 cm and comprises about 36% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is a variant of the Reed type, which is associated with the Mississippi Period.

Artifact 1-32 is an arrow point proximal. It is an expanding stem specimen with a missing tip, a damaged blade, corner notches, missing shoulders and a straight base. The cross section is biconvex with no edge abrading and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 1.5 cm x 0.7 cm x 0.3 cm and it weighs 0.4 g. The stem measures 0.5 cm x 0.8 cm and comprises about 33% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed no evidence of use-wear. This specimen is exhausted and most closely resembles the Scallorn type, which is associated with the Woodland and Mississippi periods.

### 23PO423

23PO423 is a lithic scatter exhibiting evidence of Late Archaic and Middle Woodland Period occupations. It was recorded by Howard Wimmer in 1989 when he collected 13 artifacts weighing 593.2 g. These included 1 stemmed biface fragment (13.5 g), 1 unstemmed biface fragment (12.2 g), 1 unmodified cobble (465.7 g), 8 bifacial knife fragments (70.4 g), 1 bifacial knife (13.9 g) and 1 aborted preform fragment (17.5 g).

Artifact 1-1 is a bifacial knife. It is a corner removed contracting stem specimen with a damaged tip, an asymmetrical blade, sloping shoulders and a damaged base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 6.8 cm x 3.2 cm x 2.7 cm and it weighs 13.9 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is resharpened and most closely resembles the Dickson type, which is associated with the Woodland Period.

Artifact 1-4 is a bifacial knife proximal. It is a parallel stem specimen with a missing tip, a damaged blade, corner removed, square shoulders and a straight base. The cross section is plano-convex with no edge abrading and unifacial beveling. Maximum dimensions are 4.5 cm x 2.6 cm x 0.7 cm and it weighs 10.0 g. The stem measures 1.4 cm x 2.2 cm and comprises about 31% of the total length of the specimen. The raw material is Pierson chert, which is abundant in the Branson area and may be available in isolated areas locally. Microscopic examination revealed wear resulting from cutting bone or antler. This specimen is resharpened and is an unclassified type not associated with a specific cultural period. It was apparently unifacially worked from a large flake. The square shoulders are narrower than on the Smith type and the flaking characteristics are different as well.

Artifacts cataloged as 1-5 include four bifacial knife distals. All have damaged tips, excurvate blades, missing shoulders and missing stems and bases. The cross section is biconvex with no edge abrading and no beveling. Together they weigh 19.9 g. The raw materials include Jefferson City chert and heat-treated Burlington chert, both of which are found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. These specimens are of an unclassified type not associated with a specific cultural period.

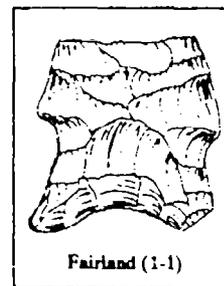
Artifacts cataloged as 1-6 include two bifacial knife midsections. Both have missing tips, damaged blades, no shoulders and missing stems and bases. The cross sections are biconvex with no edge abrading and no beveling. Together they weigh 25.0 g. The raw materials include plain and heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. These specimens are of an unclassified type not associated with a specific cultural period.

Artifact 1-7 is a bifacial knife proximal. It is an unstemmed specimen with a missing tip, a straight blade, no notches, no shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 33.9 cm x 3.8 cm x 0.9 cm and it weighs 15.5 g. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact and from engraving wood. This is the basal portion of a preform for a lanceolate biface. Quite a bit of soft polish and rounding suggest cutting of soft material. At one junction of blade edge and break, there is moderate use crushing and abrasion, typical of that produced by engraving wood or a moderately firm substance. The lanceolate form suggests Early or Middle Archaic, as does the use of broken biface for engraving; but lanceolate bifaces were made at other times too and the fragment is not diagnostic of a specific time.

#### 23PO424

23PO424 is a lithic scatter exhibiting evidence of a Late Archaic Period occupation. It was recorded by Howard Wimmer in 1989 when he collected 7 artifacts weighing 41.5 g. These included 1 stemmed biface fragment (5.4 g), 1 dart point fragment (2.2 g), 4 bifacial knife fragments (26.4 g) and 1 knife/scrapper (7.5 g).

Artifact 1-1 is a bifacial knife proximal. It is an expanding stem specimen with a missing tip, a straight blade, side notches, sloping shoulders and a concave base. The cross section is biconvex with edge abrading on the stem and no beveling. Maximum dimensions are 2.6 cm x 2.3 cm x 0.7 cm and it weighs 5.8 g. The stem measures 1.5 cm x 2.3 cm and comprises about 58% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination



Fairland (1-1)

revealed wear resulting from cutting meat without bone contact. This specimen is resharpened and most closely resembles the Fairland type, which is associated with the Late Archaic Period.

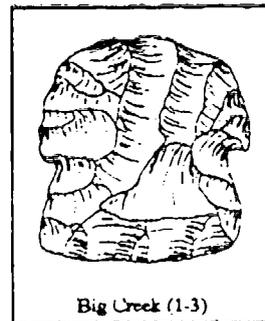


Table Rock Stemmed  
variant (1-2)

Artifact 1-2 is a dart point proximal. It is an expanding stem specimen with a missing tip, a damaged blade, side notches, sloping shoulders and a convex base. The cross section is biconvex with edge abrading on the stem and no beveling. The tip has been carried away by

an impact fracture. Maximum dimensions are 2.2 cm x 1.9 cm x 0.5 cm and it weighs 2.2 g. The stem measures 1.0 cm x 1.5 cm and comprises about 45% of the total length of the specimen. The raw material is heat-treated Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed no evidence of use-wear. This specimen is exhausted and is a variant of the Table Rock Stemmed type, which is associated with the Terminal Archaic and Woodland periods.

Artifact 1-3 is a bifacial knife/scrapper. It is an expanding stem specimen with a rounded tip, an excurvate blade, corner notches, square shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.0 cm x 2.8 cm x 0.8 cm and it weighs 7.5 g. The stem measures 1.4 cm x 2.6 cm and comprises about 47% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact and from scraping wet hide. This specimen has been reshaped to a rounded stub and most closely resembles the Big Creek type, which is associated with the Late Archaic Period.



Artifacts cataloged as 1-5 include two bifacial knife distals. Both have pointed tips, excurvate blades, missing shoulders and missing stems and bases. The cross sections are biconvex with no edge abrading and no beveling. Together they weigh 9.9 g. The raw materials include plain and heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. These specimens are of an unclassified type not associated with a specific cultural period.

Artifact 1-6 is a bifacial knife midsection. It has a missing tip, an excurvate blade, no shoulders and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 2.5 cm x 4.2 cm x 0.9 cm and it weighs 10.7 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting bone or antler. This specimen is an unclassified type not associated with a specific cultural period.

### 23PO425

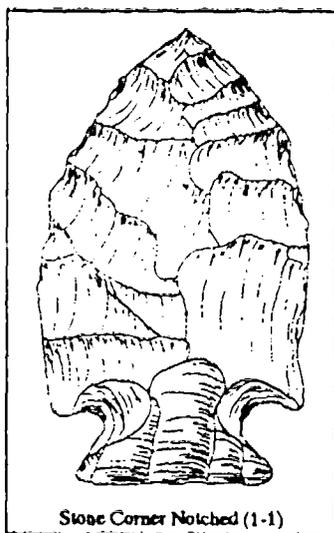
23PO425 is a lithic scatter exhibiting evidence of a Late Archaic Period occupation. It was recorded by Howard Wimmer in 1989 when he collected 5 artifacts weighing 76.4 g. These included 1 unstemmed biface fragment (22.7 g), 1 dart point fragment (9.7 g) and 3 preform fragments (44.0 g).

Artifact 1-1 is a dart point midsection. It has a missing tip, a damaged blade, damaged shoulders and a damaged stem and base. The cross section is biconvex with no edge abrading and no beveling. The tip has been carried away by an impact fracture. Maximum dimensions are 3.4 cm x 3.3 cm x 0.7 cm and it weighs 9.7 g. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic

examination revealed no evidence of use-wear. This specimen is exhausted and is an unclassified (probably expanding stem) type not associated with a specific cultural period.

### 23PO430

23PO430 is a lithic scatter exhibiting evidence of Late Archaic and Middle Woodland Period occupations. It was recorded by Howard Wimmer in 1990 when he collected 2 bifacial knives (24.9 g).



Artifact 1-1 is a bifacial knife. It is an expanding stem specimen with a pointed tip, an excurvate blade, corner notches, barbed shoulders and a straight base. The cross section is biconvex with edge abrading on the base and no beveling. Maximum dimensions are 6.2 cm x 3.7 cm x 0.7 cm and it weighs 15.1 g. The stem measures 1.0 cm x 2.5 cm and comprises about 16% of the total length of the specimen. The raw material is Reeds Spring chert, which is found in southwest Missouri and northwest Arkansas into northeast Oklahoma and extreme southeast Kansas. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen most closely resembles the Stone Corner Notched type, which is associated with the Late Archaic Period.

Artifact 1-2 is a bifacial knife. It is a contracting stem specimen with a rounded tip, an incurved blade, corner removed, sloping shoulders and a concave base. The cross section is biconvex with edge abrading on the stem and base and no beveling. Maximum dimensions are 5.7 cm x 2.7 cm x 0.7 cm and it weighs 9.8 g. The stem measures 1.9 cm x 2.0 cm and comprises about 33% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting bone or antler. This specimen is resharpened and most closely resembles the Dickson type, which is associated with the Woodland Period.



### 23PO433

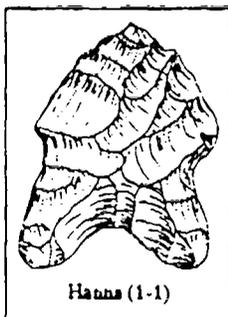
23PO433 is a lithic scatter of unknown cultural affiliation. It was recorded by Howard Wimmer in 1990 when he collected 3 artifacts weighing 7.3 g. These included 2 biface fragments (3.0 g) and 1 stemmed biface fragment (4.3 g). Neither is associated with a specific cultural period.

## 23PO434

23PO434 is a lithic scatter of unknown cultural affiliation. It was recorded by Howard Wimmer in 1990 when he collected 1 bifacial knife midsection. It has a missing tip, a damaged blade, no shoulders and a missing stem and base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 3.6 cm x 2.5 cm x 0.6 cm and it weighs 6.7 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is an unclassified type not associated with a specific cultural period.

## 23PO435

23PO435 is a lithic scatter exhibiting evidence of a Late Archaic Period occupation. It was recorded by Howard Wimmer in 1990 when he collected 7 artifacts weighing 238.7 g. These included 1 blank fragment (51.3 g), 1 blank (137.6 g), 4 bifacial knife fragments (44.5 g) and 1 bifacial knife (5.3 g).



Artifact 1-1 is a bifacial knife. It is an expanding stem specimen with a rounded tip, an excurvate blade, side notches, sloping shoulders and a concave base. The cross section is biconvex with edge abrading on the stem and base and no beveling. Maximum dimensions are 3.2 cm x 2.3 cm x 0.6 cm and it weighs 5.3 g. The stem measures 1.5 cm x 2.5 cm and comprises about 47% of the total length of the specimen. The raw material is heat-treated Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen is exhausted and most closely resembles the Hanna type, which is associated with the Late Archaic Period.

Artifacts cataloged as 1-2 include four bifacial knife fragments. All have missing tips, damaged blades, no shoulders and missing stems and bases. The cross sections are biconvex with no edge abrading and no beveling. Together they weigh 44.5 g. The raw materials include Jefferson City chert, Pierson chert and Burlington chert. Small amounts



of the edge on each specimen seem to feature damage typical of that caused by butchering with bone contact. However, the intact areas are small. These specimens are of an unclassified type not associated with a specific cultural period.

## 23PO440

23PO440 is a lithic scatter exhibiting evidence of a Middle Archaic Period occupations. It was recorded by Howard Wimmer in 1991 when he collected 1 projectile point/knife (6.8 g). It is a lobed stem specimen (1-1) with a damaged tip, a damaged blade, side notches,

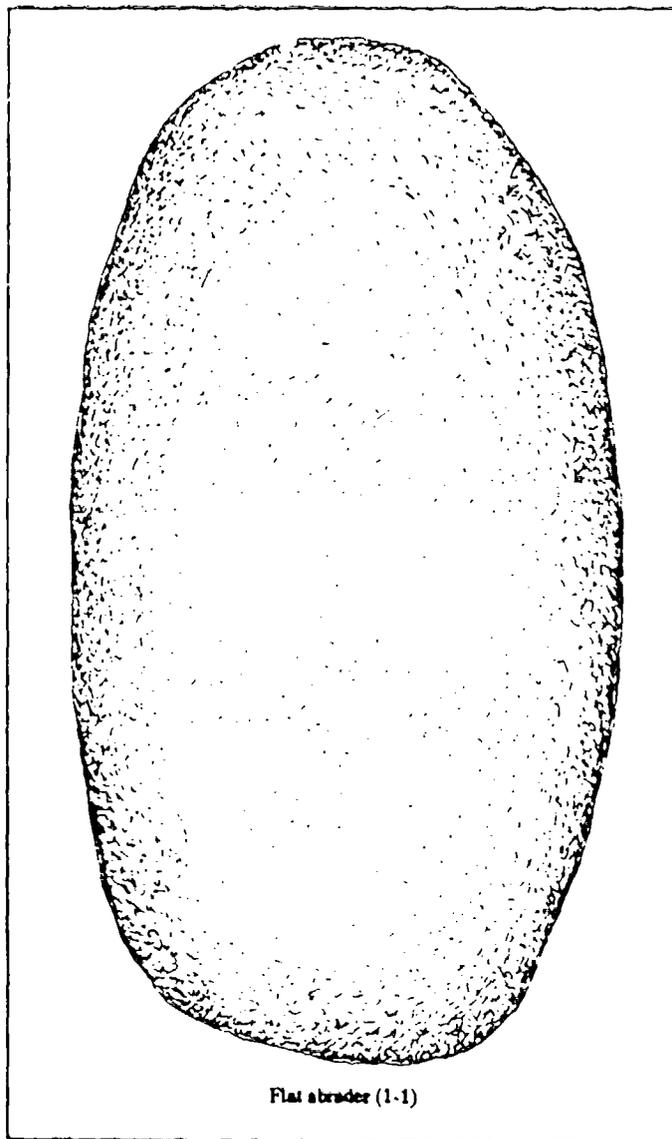
sloping shoulders and a concave base. The cross section is biconvex with edge abrading on the base and no beveling. The tip has been damaged by an impact fracture. Maximum dimensions are 4.0 cm x 2.0 cm x 0.7 cm and it weighs 6.8 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat with bone contact. This specimen most closely resembles the White River type, which is associated with the Middle Archaic Period.

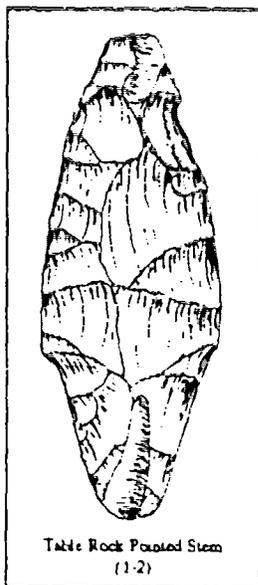
### 23PO443

23PO443 is a lithic scatter exhibiting evidence of Late Woodland and Mississippi Period occupations. It was recorded by Howard Wimmer in 1991 when he collected 5 artifacts weighing 918.5 g. These included 1 flat abradar (785.2 g), 1 blank (75.2 g), 1 bifacial knife (11.8 g), 1 knife/scrapper (32.9 g) and 1 aborted preform (13.4 g).

Artifact 1-1 is a flat abradar. Maximum dimensions are 13.9 cm x 7.7 cm x 4.7 cm and it weighs 785.2 g. The raw material is a hard tan sandstone, which is found locally. This is a well-shaped elliptical muller with two convex faces (no pits) and rounded well-shaped sides. This specimen is an unclassified type not associated with a specific cultural period.

Artifact 1-2 is a bifacial knife. It is a corner removed contracting stem specimen with a damaged tip, a damaged blade, sloping shoulders and a pointed base. The cross section is biconvex with edge abrading on the stem and base and no beveling. Maximum dimensions are 6.5 cm x 2.5 cm x 0.7 cm and it weighs 11.8 g. The stem measures 2.0 cm x 2.0 cm and comprises about 31% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting bone or antler. This specimen is





resharpened and most closely resembles the Table Rock Pointed Stem type, which is associated with the Late Woodland and Mississippi periods.

Artifact 1-4 is a bifacial knife/scrapper. It is an unstemmed specimen with a rounded tip, an incurvate blade, no notches, no shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. Maximum dimensions are 7.7 cm x 3.6 cm x 1.2 cm and it weighs 32.9 g. The raw material is Burlington chert, which is found locally. Microscopic examination revealed wear resulting from cutting meat without bone contact and from scraping wet hide. This specimen is an unclassified type not associated with a specific cultural period. The distal end of this biface is well shaped and thin, with use polish. The proximal portion still has cortex visible and has not been well thinned. It apparently was hand-held.

### 23PO446

23PO446 is a lithic scatter exhibiting evidence of Late Archaic and Woodland Period occupations. It was recorded by Howard Wimmer in 1991 when he collected 3 artifacts weighing 16.7 g. These included 1 stemmed biface fragment (2.9 g), 1 dart point (4.7 g) and 1 preform fragment (9.1 g).

Artifact 1-1 is a dart point. It is an expanding stem specimen with a damaged tip, a straight blade, side notches, square shoulders and a convex base. The cross section is biconvex with no edge abrading and no beveling. The tip has been damaged by an impact fracture. Maximum dimensions are 3.1 cm x 2.4 cm x 0.7 cm and it weighs 4.7 g. The stem measures 1.4 cm x 2.3 cm and comprises about 45% of the total length of the specimen. The raw material is Burlington chert, which is found locally. Microscopic examination revealed no evidence of use-wear. This specimen is exhausted and is an unclassified type possibly associated with the Woodland Period.



### 23PO451



23PO451 is a lithic scatter of unknown cultural affiliation. It was recorded by Howard Wimmer in 1992 when he collected 4 artifacts weighing 209.5 g. These included 2 biface fragment (5.2 g), 1 blank fragment (199.5 g) and 1 bifacial knife fragment (4.8 g).

Artifact 1-2 is a bifacial knife proximal. It is an corner removed expanding stem specimen with a missing tip, a straight blade, square shoulders and a straight base. The cross section is irregular

with no edge abrading and no beveling. Maximum dimensions are 2.9 cm x 2.2 cm x 0.7 cm and it weighs 4.8 g. The stem measures 0.9 cm x 1.5 cm and comprises about 31% of the total length of the specimen. The raw material is Jefferson City chert, which is found locally in the deeper valleys. Microscopic examination revealed wear resulting from cutting meat without bone contact. This specimen is an unclassified type not associated with a specific cultural period.

## ANALYSIS OF THE WIMMER CERAMIC COLLECTIONS

Wimmer collected ceramics from 5 Stockton sites including 23PO394 and 23PO422 in Polk County and 23DA320, 23DA321 and 23DA397 in Dade County. These collections were reviewed and analyzed by Dr. James E. Price of the University of Missouri, Southeast Missouri Archaeological Research Center. Diagnostic attributes of the 315 Wimmer ceramics were chosen to best describe variation in color, surface treatment, paste and temper. These attributes are generally considered temporally or culturally significant in defining ceramic types.

Prior to quantification the entire ceramic population from the Wimmer sites was visually examined in detail and critically significant attributes were noted. The ceramics from each of the sites were then assessed relative to these attributes and categorized accordingly. The examined Wimmer ceramics were divided into 2 types based on clusters of attributes. Our *Type I* is a coarse, poorly executed, ware that tends to be poorly preserved, brittle and exhibit a propensity to exfoliate. Our *Type II* is a much more refined ware that has finer tempering materials, is more dense, is harder and exhibits much finer workmanship than that demonstrated on Type I ceramics (Table 2).

Table 2. Analysis of ceramics collected by Wimmer.

	Cord-marked body	Plain body	Cord-marked rim	Plain rim
23PO394 Type I Ceramics	62	49	2	2
23PO394 Type II Ceramics	5	78	2	3
Sub-total	67	127	4	5
23PO422 Type I Ceramics	24	73	0	2
23PO422 Type II Ceramics	0	0	0	0
Sub-total	24	73	0	2
23DA320 Mica-tempered sherd	0	1	0	0
23DA320 Type I Ceramics	0	0	0	0
23DA320 Type II Ceramics	0	4	0	0
Sub-total	0	5	0	0
23DA321 Type I Ceramics	0	0	0	0
23DA321 Type II Ceramics	1	6	0	0
Sub-total	1	6	0	0
23DA397 Type I Ceramics	0	0	0	0
23DA397 Type II Ceramics	1	0	0	0
Sub-total	1	0	0	0
Wimmer Collection Totals	93	211	4	7

## TYPE I CERAMICS

- **Paste** - This ware is made from a poorly-fired clay that appears in cross-section to be poorly-bonded lamellar platelets. Surfaces exfoliate easily and the paste is quite crumbly.
- **Temper** - Dominant temper is crushed limestone of which the majority has leached out leaving small circular holes in the interior and exterior surfaces. Other tempering agents evident under magnification include fired clay particles or grog.
- **Color** - Color ranges from dark red to orange on portions of vessels exposed to an oxidizing atmosphere of fire. Other colors are light to dark gray in reduced zones on sherds. Most often the cores of sherds are dark gray to black.
- **Thickness** - Sherds range from 8 mm - 18 mm in thickness with most being toward the lower end of this scale. Thicker specimens are presumably basal sherds from subconoidal vessels.
- **Cord-marked** - Cord-marked specimens exhibit poorly executed impressions of a cord-wrapped paddle. There is little uniformity or consistency in the direction and spacing of cord impressions which tend to occur in a haphazard fashion on the exterior of sherds. Some impressions appear to have been made from a wad of cord or fiber pressed into the surface. On some sherds smoothed-over cord-marking is evident. Impressions are so poorly defined that it is impossible to determine if the cord was configured as a "s" twist or a "z" twist.
- **Plain** - Although badly eroded and often exfoliated sherds occur in the sample it can be stated that well over 50% of them exhibit untextured exterior surfaces. No fine smoothing or pebble burnishing are evident on these surfaces.
- **Rim Treatment** - Rims are overwhelmingly plain near the lip area with the exception of one large rim sherd which exhibits notching.
- **Vessel Shape** - Although most of the sherds are quite small, the assemblages demonstrate that vessels were subconoidal, shouldered vessels with nearly vertical rims. Vessel shape appears not to deviate from typical Woodland vessel shapes throughout the Ozark Highland of Missouri.

## TYPE II CERAMICS

- **Paste** - These ceramics are more refined and better executed than Type I. The paste is compact and lacks the porosity evident in Type I. Surfaces, both interior and exterior, are generally quite smooth and do not exhibit the exfoliation evident in Type I.
- **Temper** - This type exhibits some finely-crushed limestone as temper but the dominant tempering agent is a fine silty sand. Some specimens appear to be wholly sand-tempered, sometimes with medium-coarse sand particles. None appears to have grog incorporated as a tempering agent.
- **Color** - Most of the Type II sherds are a uniform gray to brown in color. Cores of sherds tend to be uniform in color with the interior and exterior surfaces. Extremes of oxidation and reduction are not exhibited by these sherds.

- **Thickness** - Sherds range in thickness from 5 mm - 9 mm. Thick sherds, presumably from the bases of vessels, are not as prevalent in Type II as in Type I.
- **Surface Treatment** - The overwhelming majority of Type II ceramics are plain and quite smooth on both interior and exterior surfaces. A few specimens exhibit cord-marking.
- **Rim Treatment** - Rims on Type II ceramics are plain and lips are rounded. No lip notching occurs on any of the specimens.
- **Vessel Shape** - From the few rim sherds available in the samples it appears that the vessels were morphologically quite similar to Type I ceramics, i.e., typical subconoidal to globular Woodland jar shapes.

## CHRONOLOGY AND CULTURAL PLACEMENT

Although considerable archeological research has been conducted in the Stockton area (Chapman et al. 1962; Wood et al. 1965; Wood 1966; Kaplan et al. 1967; Roper 1977) there have been no ceramic types defined or names assigned. Work in the Stockton area has concentrated on the excavation of stone artifacts and earthen burial mounds. Ceramics from the mounds have been described and certain conclusions can be drawn concerning these prehistoric artifacts in the Stockton area. It is evident that the Woodland Period in the area spans a long period of time, probably starting some time in the first or second centuries BC and continuing almost to the protohistoric era. Although evidence for Early Woodland and Hopewellian (Middle Woodland) ceramics in the area is sparse, evidence for Late Woodland occupation of the Western Ozarks is most abundant (Roper 1977:25). After ca. 1200 AD shell-tempered ceramics entered the region, perhaps as trade vessels, from both the Spiro area of Oklahoma as well as the Cahokia area to the northeast in western Illinois.

Roper (1977:25) summarizes Woodland ceramics in western Missouri as including a clay- or grog-tempered cord-marked form, identified as relating to the Pomona Phase of the Central Plains Tradition and a limestone-tempered type which is characteristic of the Ozarks. Our Type I ceramics essentially are in keeping with the grog-tempered type discussed by Roper although specimens examined in this analysis also incorporate some limestone with the grog. The fine limestone and silty sand-tempered ceramics in the Wimmer collections apparently parallel the limestone-tempered type described by Roper.

Much of the research conducted by Wood (1967) and others in the area was directed toward defining and refining burial complexes associated with mound construction of which the Fristoe Burial Complex is the most well defined (Wood 1967:105). The Woodland ceramics recovered from the burial mounds in southwestern Missouri are so generic and ambiguous that it is impossible to equate and relate them to ceramics recovered from village sites such as those visited by Wimmer.

## USE OF THE WIMMER AND HPA COLLECTIONS IN AREA RESEARCH

In an effort to assess research needs in the Stockton area, we consulted the *Master Plan for Archaeological Resource Protection in Missouri* (Weston and Weichman 1987) and previous survey reports of work conducted around the lake (Girard and Freeman 1992; Mercado-Allinger and Jackson 1989 and Nichols et al. 1980). Not all of the research topics posed by these investigators have been incorporated into this study. Some require excavated data or probabilistic sampling strategies that render the information gathered by us less than adequate. Still, other topics were not addressable because our work did not produce the appropriate data. None-the-less, we did find a number of research topics for which we generated sufficient information to address.

### INDIGENOUS GROUPS OR CADDOAN GROUPS?

One of the regional research issues focuses on the relationship (if any) of indigenous groups to Caddoan groups to the south. We reviewed the combined HPA and Wimmer collections in an effort to assess whether such a relationship existed. Many arrow point types in the Wimmer collection (Agee A, Alba-like, Scallorn, Sequoyah, Haskell, Keota, Sallisaw, Morris, Reed and Huffaker) are commonly associated with the Loftin, Huntsville, War Eagle, Harlan and Spiro phases in southwest Missouri, northwest Arkansas and northeast Oklahoma. 23DA412, 23PO366, 23PO370, 23PO373, 23PO381, 23PO394, 23PO416 and 23PO422 produced 2 or more of these arrow point types, most of which were made from local cherts (Table 3). Three specimens from 23PO366, 1 from 23PO370 and 1 from 23PO373 were made from Keokuk chert and 2 from 23PO394 were made from Reeds Spring chert found south of the Stockton area. Of the 90 Caddoan-like arrow points recovered, only 7 (12.8%) were made of materials probably obtained in extreme southwest Missouri (i.e., Keokuk and Reeds Spring cherts).

One of the enigmas relating to the substantial quantity of arrow point types normally associated with the southern Caddoan groups is the fact that no sherds commonly associated with Caddoan components to the south (i.e., Woodward Plain, Williams Plain, Le Flore Plain, Paris Plain, Poteau Plain, or any of the undesignated polished plain, engraved or incised types) were identified in the Wimmer collections, although several grit-tempered cord-marked and plain Late Woodland sherds were present.<sup>1</sup> It is recognized that the Dade and Polk County sites are mostly upland sites, possibly hunting camps, and that sites containing ceramics might have been located adjacent to the river and thus covered by Stockton Lake. To assess this possibility, the literature relating to sites studied in the areas now covered by Stockton Lake and in the Downstream Stockton area was reviewed. In Plate 2 of the Downstream Stockton Study (Roper 1977) specimen (h) seems to be a Haskell point and specimens (e), (f) and (g) are Scallorn or Sequoyah-like arrow points. Scallorn varieties are extremely widespread through Missouri, Arkansas, Oklahoma, Louisiana and Texas in Late Woodland and

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<sup>1</sup>See Dickson (1991:155-159, 180-188) for descriptions of the Caddoan sherd varieties found at Albertson (3BE174), located in Benton County, Arkansas not far from the Missouri line.

Table 3. Chert types by biface type and cultural period.

Biface Type	Jefferson City		Person		Reeds Springs		Flacey		Keokuk		Burlington		Unknown		Total
	Pln	HT	Pln	HT	Pln	HT	Pln	HT	Pln	HT	Pln	HT	Pln	HT	
<i>Early Archaic</i>															
Dalton	1	1			1						1	2	1		7
Hardin	1														1
<i>Middle Archaic</i>															
Calf Creek		1									3				4
Hardin variant											1				1
Jalie	2										2	3			7
Nolan												1			1
Rice Lobed									1			1			2
Rice variant												1			1
White River	3		2	1							4	8			18
<i>Late Archaic</i>															
Afton	1										1	2			4
Big Creek	3			1	1					1	16	55	1		77
Castroville	1											2			3
Duncan											1	2			3
Edgewood		1												1	2
Ellis-like											1	1			2
Enos						1					1	4			6
Etey											1				1
Fairland	2		1								1	2			6
Godar	2														2
Hanna									1		4	21		1	27
Kings Corner Notched	12				2						11	31			56
Maroon											1	2			3
Marshall-like											1				1
Martindale												1			1
Palmilla-like									1						1
Red Ochre							1				1	1			3
Sedalia digger											1				1
Sedalia-like adze	1														1
Smith	7				1					1	1	9	9	1	29
Stone Corner Notched	6		1	1	1					2	13	41	1		66
Stone Square Stemmed	3						1			1	4	11	2		22
Table Rock Stemmed	1	2	1	1		1				1	1	31	2		41
<i>Undifferentiated Woodland</i>															
Copena											2	2			4
Gary												1			1
Lander Corner Notched					1						4	7			12
Langtry	2	2	1						1		6	19	2		33
Standee	2	1										9	1		13
Waubesa	2										2	6			10
<i>Middle Woodland</i>															
Dickson	3	1		1					1		5	13			24
Gibson	1							1			2	2			6
Grand												5			5
Snyders	1				1						1	9	1	1	14
Steuben	2		1							1	4	15			23
<i>Late Woodland</i>															
Klunk Side Notched	1												1		1
Koster-like													1		1
Rice Side Notched	3	2	1	1							11	20			38
Schild											1	1			2
<i>Mississippi Late Prehistoric</i>															
Alba												1	1		2
Cahokia Multiple Notched												1			1
Cahokia Side Notched												1			1
Crisp Ovate	1														1
Fresno	2	1							1		1	5	2	1	13
Harshay Knife											1	2			3
Haskell															1
Huffaker	1				1										2
Keota	3														3
Morris													1		1
Reed	1				1							2			4
Sallisaw	2									1	1	4	1		9
Scallorn	12	2								2	8	38			62
Sequoyah	5				1				1	2	5				14
Table Rock Pointed Stem	2				1				1		5				9
Washita													2		2
<b>Total</b>	<b>92</b>	<b>14</b>	<b>8</b>	<b>6</b>	<b>13</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>14</b>	<b>6</b>	<b>137</b>	<b>403</b>	<b>16</b>	<b>3</b>	<b>716</b>

Mississippi Period sites. The Roper (1977) Plate 2 artifacts are not labeled as to site of origin and are only listed as "Late Woodland."

Although the remains of 3 houses were excavated at Flycatcher (23CE153), an open village location (Calabrese et al. 1969:38), no ceramics were recovered. At least 1 house and several activity areas were excavated at Dryocopus (23CE120), also in Cedar County, Missouri. Again, no ceramics were recovered. The illustrated bifaces including Afton-like, Smith, Table Rock Stemmed and Big Creek-like specimens are probably Late Archaic, and the several contracting stemmed forms could represent either Late Archaic or Woodland activities. Five of the 6 probable arrow points illustrated in Plate 3 are certainly Woodland, while specimen (m) could be either a Woodland or Mississippi Period artifact (Calabrese et al. 1969:1, 38-50).

Considering the fact that most of the Caddoan-like arrow points were made from local Ordovician and Burlington cherts, trade does not seem to represent a probable explanation for their presence in substantial numbers at several sites. One possible explanation is that Caddoan hunting groups from extreme southwest Missouri and the Table Rock area repeatedly visited these sites on hunting-foraging trips, losing only arrow points and other bifaces related to faunal procurement and processing. The use of mostly local cherts suggests that such stays would have been lengthy. However it seems probable that more points, especially broken ones, made from Reeds Spring and other extreme southern Missouri cherts should be present if Caddoan groups from further south came into the area repeatedly. Also, if family groups visited these sites, it seems probable that pottery would be present. To the argument that shell-tempered pottery may have disintegrated in the acidic soils, it should be stressed that some of the Caddoan pottery including Williams Plain and Le Flore Plain were grog or grog and grit-tempered and would have survived.

One explanation for these arrow points could be the possibility that in Late Mississippi or Late Prehistoric times idea diffusion may have promoted the acceptance of biface forms from other areas. In other words, concepts regarding the acceptable shapes of arrow points may have crossed ethnic and cultural barriers. Support for this concept can be found in the fact that the stemmed Scallorn varieties are distributed over such a large area. And, of course, the triangular arrow point, variously labeled as Madison, Mississippi Triangular and Fresno in the Mississippi Valley, western Arkansas, Oklahoma and Texas, is extremely widespread in Late Prehistoric times as are snub-nosed end scrapers, beveled knives, grooved sandstone abraders and bone shaft wrenches.

### **SHIFT FROM LARGE DARTS TO SMALL ARROWS?**

Another regional question asked whether there was a shift from the production of large dart points to small arrow point during the Early/Middle Woodland Period. Perhaps a better question might be: "To what degree did arrow points replace dart points throughout the Woodland and Mississippi Periods?"

Data from such stratified sites as Rice (23SN200; Bray 1956:46-134), Bontke (23MD43; Cobb 1975) and Albertson (3BE174; Dickson 1991:94-213) suggest that the bow and arrow was *gradually* accepted. At Albertson, where 2 m of ceramic deposits were present and components could be separated fairly well, a few late Middle Woodland points (category MW-6) with unusual fractured bases may have functioned as arrow points, however most bifaces were larger and apparently were used as dart points or cutting implements. Late Woodland levels produced many corner and side notched arrow points as well as several types of larger bifaces. The arrow points seemed to be diminutive copies of the larger specimens and were very common at this time.

During the succeeding Caddoan and Neosho phase occupations arrow points outnumbered the larger dart points and cutting tools, but they did not entirely replace them. In other words, these data suggest a gradual acceptance of the bow and arrow throughout the Woodland. While it is recognized that selective collecting by some individuals in the Stockton area may have distorted the picture at sites visited by Wimmer, he apparently picked up all artifacts other than debitage, and substantial collections exist for several sites. Considering that these are select surface collections, we cannot quantify the ratios of arrow points to dart points by component, although a few data are relevant. For example, 24 diagnostic Woodland and Mississippian arrow points were collected from the multi-component site 23PO370. Ten of these were Scallorn, 2 Sequoyah, 2 Haskell, 2 Sallisaw, 1 Schild and 7 were unclassified fragments. Only the Schild point is not a Caddoan type. Several Stone Corner Notched, White River Archaic, Smith, Table Rock, and Kings Corner Notched bifaces from the site are probably the result of Archaic activities. Six Woodland (3 Dickson bifaces, 1 Steuben biface, 1 Waubesa, and 1 Copena) bifaces were recovered. While the Steuben type apparently survived into the Late Woodland, most of them and the Dickson, Waubesa and Copena bifaces probably relate to the Middle Woodland. Therefore, few if any Late Woodland or Mississippian Period large bifaces were present, while 24 arrow points were recovered. This suggests that the bow and arrow had become quite popular in the Stockton area by Late Woodland times.

Eighteen arrow points were found at 23PO381 including 7 Scallorn, 4 Sequoyah, 2 Reed, 1 Washita, 1 Fresno and 3 undiagnostic fragments. While most of the large bifaces were Late Archaic, 2 Rice Side Notched specimens (usually Late Woodland) and 1 Steuben (Middle Woodland into Late Woodland) were recovered. Again, the scarcity of Late Woodland and Mississippian larger bifaces compared to 18 arrow points suggests that the bow and arrow became the dominant hunting tool during the Late Woodland.

### **DID TRIANGULAR ARROW POINTS PREVAIL?**

The basic question here is whether triangular arrow points eventually replaced all other point forms. In an absence of stratified and datable sites, this is a difficult question to answer. Certainly in extreme southwest Missouri and northwest Arkansas, the Fresno type arrow point seems to replace notched types during the Neosho phase (Dickson 1991:282). Whether this happened in the Stockton Reservoir area is uncertain.

Thirteen Fresno or Mississippi Triangular points were recovered from several sites including 23PO381 and 23PO377 but they are a minor type at the few sites where they were found. Unless population densities dropped tremendously during Late Prehistoric times, notched arrow point forms do not appear to have been replaced by triangular forms. The HPA and Wimmer collections include specimens from a large number of sites in the Stockton area and thus would appear to be more definitive than small assemblages from a few local sites.

### **LATE ARCHAIC SPECIALIZATION?**

Another area of regional interest is whether there was an increase in specialization and/or diversification of tool forms during the late archaic? Since many ancillary tools (i.e., graters, unhafted bifaces used for cutting, scraper forms and choppers) are not diagnostic of the Late Archaic, one must have a stratified site with sound contextual data to address this question properly. Only the 3 Red Ochre bifaces, the Sedalia adze from 23PO377 and the Sedalia Digger from 23PO395 are characteristic Late Archaic tools (Chapman 1975:200, 251). Because the large numbers of Late Archaic biface styles (i.e., Smith, Table Rock Stemmed, Afton, Big Creek, Stone Corner Notched, Fairland and Kings Corner Notched; Table 3) indicate a larger local population than resided in the area during the Middle and Early Archaic periods, many of the other tools found on these sites probably are Late Archaic as well.

Notice in Table 4 that of 710 bifaces, 358 are Late Archaic. This is in strong contrast to the 9 Early Archaic bifaces and 32 Middle Archaic specimens. An important question here is whether the 21 different Late Archaic biface types found at Stockton sites indicate a large number of Late Archaic groups or whether a few groups made many biface styles. This question can be addressed only if single component or clearly stratified multiple component sites can be found.

### **CHANGES IN LITHIC RESOURCE SELECTION?**

A very interesting regional question is whether lithic resource selection changes over time. Several questions regarding chert selection can also be addressed. First, can any pattern be recognized from the data indicating that a major cultural division, such as Early Archaic or Late Woodland, selected one chert type over another? Also, can it be determined that any group from these more general periods was selective in choice of chert? Table 3 depicts the chert types used during the various periods to produce the diagnostic bifaces recovered from the Stockton area.

One question that cannot be adequately addressed with the data at hand is "to what degree was convenience a factor in chert choice at each site?" At this time the closest lithic sources, either stream cobbles or bedrock outcrops, have not been determined for the Stockton sites. A general observation, based on collections of raw materials gathered adjacent to or near several sites, suggests that mostly local resources were exploited at

Table 4. Cultural assignment of bifaces at Stockton sites.

Biface Type	Early	Archaic Middle	Late	Woodland	Mississippi
Afton			4		
Alba					2
Big Creek			78		
Cahokia					1
Cahokia Side Notched					1
Calf Creek variant		3			
Calf Creek		1			
Castroville			3		
Copena				4	
Crisp Ovate					1
Dalton	7				
Dickson				24	
Duncan			3		
Edgewood			2		
Ellis-like			2		
Ensor			6		
Etley			1		
Fairland			8		
Fresno					13
Gary				1	
Gibson				6	
Godar			2		
Grand				5	
Hanna			27		
Harshay Knife					1
Hardin	2				
Haskell					3
Huffaker					2
Jakie		7			
Keota					3
Kings Corner Notched			56		
KJunk Side Notched				1	
Koster-like				1	
Lander Corner Notched				12	
Langtry				33	
Marcos			3		
Marshall-like			1		
Martindale			1		
Morris				1	
Nolan		1			
Palmillas-like			1		
Red Ochre			3		
Reed					4
Rice Lobed variant		2			
Rice Side Notched				38	
Sallisaw					9
Scallorn				•	62
Schild				2	
Sedalia digger				1	
Sedalia-like adze				1	
Sequoyah					14
Smith			29		
Snyders				14	
Standlee				13	
Steuben				23	
Stone Corner Notched			66		
Stone Square Stemmed			22		
Table Rock Pointed Stem					10
Table Rock Stemmed			41		
Washita					2
Waubesa				10	
White River		18			
Total	9	32	359	190	128

these locations. One cannot speak with assurance regarding the dozens of other sites. Either detailed geological maps for the entire area would be needed or a field reconnaissance of the areas adjacent to each site would have to be made. One problem with most geological maps is that small outliers and thin lenses of some formations are not always shown, and stream cobble sources are never depicted. A surface survey of the area is the only way to thoroughly consider all possible chert sources.

In the Stockton area the most abundant chert is the Mississippian Burlington (MB) and the next most common is the Ordovician Jefferson City (OJC). Small lenses or outliers of Mississippian Pierson (MP) are locally available, and it is possible that some very thin beds of Sedalia carbonates (MS) may exist in the Stockton area. In Cooper County and adjacent areas of central Missouri, the Sedalia contains a dark gray to black chert (Thompson 1986:39), but whether the feather edge of Sedalia possibly existing in the Stockton area contains chert is not known at this time. The Reeds Spring (MRS) and Keokuk (MK) cherts recovered at Stockton area sites probably come from areas in extreme southern Missouri where they are abundant.

The Early Archaic makers of Dalton and Hardin bifaces fashioned 3 specimens from Jefferson City and 3 from Burlington chert. No trend seems apparent here. The single biface made from Reeds Spring chert and 1 from Keokuk probably were brought into the area from the south.

During the Middle Archaic period, residents of the sites being studied made 6 bifaces from Jefferson City chert (17.7%), 3 from Pierson (8.8%), 1 from Keokuk (2.9%) and 24 from Burlington (70.6%). Here we see a definite trend toward the use of Burlington cherts, although the use of Jefferson City may approximate its local availability. There also seems to be a trend toward heat-treating of cherts as 16 of the 34 (47.1%) Middle Archaic bifaces were made from heat-treated cherts. Fourteen of the 24 (58.3%) Burlington chert bifaces had been heat-treated.

At this time we cannot say how many groups were involved in the production of the 21 Late Archaic dart point/knife types, the Sedalia digger and Sedalia adze. However, 42 bifaces (11.7%) were made from Jefferson City chert while 6 (1.7%) were made from Pierson, 6 (1.7%) from Reeds Spring, 2 (0.6%) from Elsey, 9 (2.5%) from Keokuk, 283 (79.3%) from Burlington, and 9 (2.5%) from unknown cherts. It is apparent that Burlington chert was a dominant choice by Late Archaic groups in general. It should be pointed out that 51% of the sites being considered produced Late Archaic bifaces, so such sites are widely represented in the reservoir area. It seems apparent that the Late Archaic peoples were choosing Burlington chert more for cultural reasons than for availability. The geological literature does not document the areal percentages of local outcrops of Jefferson City and Burlington formations but the State Geological Map shows about 25% of Cedar County, possibly 10% of Dade County and almost 50% of adjacent areas in Polk County mapped as Ordovician Jefferson City. It is also interesting to note that 216 (76%) Late Archaic bifaces made from Burlington chert had been heat-treated prior to

manufacture. On the other hand only 3 (7%) Jefferson City bifaces had been heat-treated. In all, 226 (63%) of the Late Archaic bifaces were produced from heat-treated chert.

Several biface types (Lander Corner Notched, Langtry and Waubesa) were made in both Middle and Late Woodland times (Woodland undifferentiated). Nine specimens (12.3%) were made from Jefferson City chert, 1 (1.4%) each from of Pierson, Reeds Spring and Keokuk cherts, 58 (79.4%) from Burlington chert and 3 (4.1%) from unknown types. Here again, Burlington cherts are dominant and seem to have been chosen in preference to Ordovician sources. Of bifaces made from Burlington chert, 75.9% had been thermally pre-treated.

Seventy-two bifaces relate to the Middle Woodland activities. Eight (11.1%) were made from Jefferson City chert, 2 (2.8%) from Pierson, 1 (1.4%) each from Reeds Spring and Eley, 2 (2.8%) from Keokuk, 56 (77.7%) from Burlington and 2 (2.8%) from an unknown chert. As one can see, the percentage of Burlington used by Middle Woodland peoples is very close to that used by the undifferentiated Woodland. Forty-four (78.6%) of the 56 Middle Woodland bifaces made from Burlington cherts were thermally pre-treated.

Forty-two bifaces reflect a Late Woodland activities. Of these 6 (14.3%) are made from Jefferson City chert, 2 (4.8%) from Pierson and 34 (80.9%) from Burlington chert. We found that 64.7% of the Late Woodland Burlington chert bifaces had been heat-treated before manufacture. Chert data from the Late Woodland compares favorably with the other Woodland categories.

One hundred twenty-eight bifaces, mostly arrow points, were characteristic of Mississippian activities. Of these, 32 (25%) were made from Jefferson City chert, 4 (3.1%) were from Reeds Spring chert, 6 (4.7%) were from Keokuk chert, 81 (63.3%) were flaked from Burlington chert, and 5 (3.9%) were from unknown cherts. With the exceptions of the 4 Reeds Spring examples and the 6 Keokuk specimens, which probably are from further south, the percentages of cherts used by Mississippian peoples probably closely approximate local availability. We should note that 12.4% of Late Archaic and Woodland bifaces were made from Jefferson City chert, while 25% of the Mississippian arrow points were produced from Jefferson City. In part this may represent the fact that unfractured high quality Jefferson City chert is usually found in smaller pieces than is usual for Burlington. However, if this were a factor, one wonders why the Late Woodland groups, who also made many arrow points, did not use more than 14.29% of Jefferson City chert. Regarding heat pre-treatment, only 3 (9.4%) Jefferson City chert points had been thermally pre-treated while 67.1% of the Burlington chert had been heat-treated before being made into finished tools.

There seems to be little doubt that lithic resource selection changes over time. Early Archaic data are too limited to suggest a trend. Middle Archaic occupants of the area seemed to slightly favor Burlington cherts which are greatly improved by heat-treatment. And about 47% of the Burlington examples were heat-treated. Late Archaic

peoples definitely selected Burlington cherts since almost 80% of the bifaces were of this product and about 76% of these were heat-treated before being reduced to a finished tool. This is a definite trend. Only about 12% of the specimens were made from Jefferson City chert. This trend continues throughout Woodland times with very similar percentages in the use of Burlington cherts and of thermal pre-treatment. However, during Mississippian times we see a sudden shift back to a greater use of Jefferson City cherts, although the incidence of heat-treatment of Burlington still stays high at 67%. While it is possible that climatic factors promoting deposition or removal of alluvial or colluvial deposits may have reduced or augmented the availability of certain cherts at different times, we have no data available to address this possibility. It seems most likely that cultural factors involving personal preference played a greater role than availability, but we do not have either ethnographic or archeological data from the immediate area that give clear examples of this.

### CHANGES IN UPLAND ACTIVITIES?

The central question here is what do the upland sites tell us about the activities that took place there, and do these activities change through time? First, one must consider that the survey areas are biased environmentally because areas now inundated by Stockton Lake are no longer available for comparison with upland sites and the areas surveyed do not reflect the total upland variability present in the area. The fact that this was a surface survey means that some components may exist in a subsurface context at certain sites. This is particularly true of caves and shelters. In all probability the components recognized in surface collections from these shelters are not the only ones present, but without excavated data the buried components cannot be recognized.

Several types of sites were recognized in upland contexts. The most common seems to be hunting-foraging camps and judging from biface types recovered from these locations these relate to Archaic, Woodland and Mississippian activities. Both Middle and Late Archaic and Woodland hunting-foraging camps seem to be abundant, while Mississippian camps seem to be fewer in number. The fact that more Mississippian components were recognized in shelters and caves than in open settings may simply reflect the fact that they were the last occupants of these sites. A few locations (23DA313, 23DA449, 23CE336 and 23CE473) featured abundant debitage over large areas and 23DA313 yielded several probable Woodland bifaces. These sites probably were at least seasonal base camps and may have been used the year-around for short periods of time.

Other types of sites recorded in the uplands include lithic procurement areas. Five of these were recorded during the survey. Generally these sites are found on hilltops or hillsides and exhibit many decortication flakes and occasionally rough blanks or preforms. Since debitage and preforms are not diagnostic of cultural affiliation, we do not know which groups were active in the lithic extraction. There is no evidence that prehistoric peoples were digging pits or quarrying into bedrock, rather the data obtained suggest that exposed lithic materials were being gathered from talus slopes or broken from exposed

ledges. Mention is also made of a petroglyph (23DA450) which features several linear design elements and small pitted areas. The antiquity of this site remains unknown.

We simply do not have enough data to determine whether changes in the occupation or use of these upland sites took place through time. Our data do not suggest changes, however a positive evaluation cannot be made until more data are available.

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## GLOSSARY

*Unmodified Chippable Stone.* This is a raw material category and includes fragments of chert suitable for the manufacture of flaked stone tools that exhibit no evidence of modification. Specimens from which flakes have been removed are classified as cores or tested cobbles.

*Tested Cobble.* This is another raw material category that includes whole or nearly whole chert or quartzite cobbles that have no more than two flakes removed and that exhibit no further intentional modification. These are normally composed of poor grades of raw material.

*Core.* This is also a raw material category that includes cobbles or tabular pieces of good quality chert or quartzite from which more than two flakes have been removed and which show no modification for other uses. Cores recycled for use as hammerstones, choppers, etc. are classified under those categories.

*Shatter.* This category includes angular fragments of chert or quartzite resulting from various reduction processes. Some shatter may be confused with cobble fragments and fire-cracked rock, however, most of the latter are readily recognized.

*Primary Decortication Flake.* This category includes unmodified flakes in which ninety percent or more of the dorsal surface is covered with cortex. These are by-products of the initial stage of core preparation, core reduction and biface manufacture and are most likely to be found at quarry sites, workshop sites and base settlements. Specimens exhibiting use wear or intentional modification are classified as modified flakes.

*Secondary Decortication Flake.* This category includes unmodified flakes in which cortex covers less than ninety percent of the dorsal surface and that exhibit clear evidence of the removal of previous flakes. These are by-products of various stages of core preparation and biface manufacture and usually occur at quarry sites, workshop sites and base settlements. Flakes exhibiting cortex only on the striking platform are classified as interior flakes. Those exhibiting use wear or intentional modification are classified as modified flakes.

*Preform.* This category includes unstemmed bifacial artifacts and fragments thereof that do not appear to represent finished bifacial tools. Distinguishing characteristics include generally crude flaking (usually percussion) and a lack of use wear. Many occur as fragments that were broken during manufacture and discarded. These items represent the final stage of initial biface reduction, before being worked into finished tools.

*Interior Flake.* These flakes are normally produced during the latter stages of bifacial reduction. Distinguishing characteristics include a lack of cortex, steep platform angles, deep flake scars on the dorsal surface and a thick cross section. They may intergrade with some retouch flakes and may also be confused with decortication flakes struck from raw materials lacking cortex. Specimens exhibiting use wear or intentional modification are classified as modified flakes.

*Retouch Flake.* These flakes are produced during the final stages of bifacial reduction and tool sharpening or modification. Distinguishing characteristics include acute

platform angles, shallow and wide scars on the dorsal surface and a thin cross section. Some specimens may be difficult to distinguish from interior flakes. Those exhibiting use wear or intentional modification are classified as modified flakes.

*Broken Flake.* These are incomplete flakes that cannot be assigned to any other flake category with confidence. Most are small, thin fragments that are probably fragments of retouch flakes but lack a striking platform or other distinguishing attributes.

*Biface.* These are complete or fragmentary, unstemmed bifacial tools. Tip and midsection fragments of projectile points are normally included in this category but stemmed fragments are included in the projectile point category. Arrow point fragments are not included.

*Dart Point.* Any relatively large, symmetrical, bifacially worked artifact that has been modified for hafting, or any fragment that shows evidence of a hafting element is classified as a dart point. Tip and midsection fragments are normally assigned to the biface category.

*Arrow Point.* This category includes small, thin, symmetrical, pointed bifaces or any fragment thereof. A hafting element is often present but may be unobtrusive in some specimens.

*Drill/Reamer.* These specimens exhibit rotating wear on a pointed tip. We have classified long, thin, bifacially worked specimens as drills. These are probably reworked projectile points. Reamers include tools with a similar function that are made of fragments of chert or flakes that are not bifacially worked or modified for hafting.

*Modified Flake.* These are flakes that exhibit use wear or intentional modification for use as cutting or scraping tools. Working edges may be concave, straight or convex. Specimens exhibiting unifacial wear (shear chipping) are classified as flake scrapers while those exhibiting bifacial wear (wear chipping) are classified as flake knives.

*Hammerstone.* These are generally large chunks of chert or other hard stone that exhibit well defined zones of battering on prominent corners or edges. Some are rounded in appearance.

*Flat Abrader.* These are characterized by the presence of a flat or slightly convex areas on the face of a cobble on which the patination has been worn away and/or a greater degree of smoothness is present than is typical of the natural cobble surface. In the case of sandstone or quartzite close inspection will show that individual grains on the abraded surface are worn.

*Edge-Ground Cobble.* These tools are characterized by the presence of a well defined ground or abraded facet, shallow groove or wide indentation on the edge of a cobble. Some weathered cobbles may be mistaken for edge-ground cobbles but individual

*Edge-Ground Cobble.* These tools are characterized by the presence of a well defined ground or abraded facet, shallow groove or wide indentation on the edge of a cobble. Some weathered cobbles may be mistaken for edge-ground cobbles but individual grains should be worn and there should be a difference in the amount of patination when compared with the remainder of the cobble.

*Grinding Basin.* These tools exhibit a shallow, smooth basin on the face of a cobble or slab of stone. These are usually made of a coarse grained stone and used for plant food processing.

*Pitted Cobble.* These cobbles have one or more pits that are U or V-shaped in cross section. Those with V-shaped pits may have been used in bipolar flaking as hard anvils while U-shaped pits may have resulted from nut cracking.

### PROJECT PARTICIPANTS

**DON R. DICKSON** participated in the fieldwork, analyzed and illustrated the artifacts and authored various sections of the report. Mr. Dickson received a B.S. in secondary education from the University of Arkansas in 1967. He is a recognized regional expert in the study of lithic use and procurement.

**STEVEN M. IMHOFF** directed the field work and wrote various portions of the report. Mr. Imhoff has 19 years experience as a professional archeologist and has conducted investigations in Arkansas, Louisiana, Missouri and Oklahoma. He received a B.S. in sociology from the University of Tulsa in 1974 and an M.A. in anthropology from the University of Arkansas in 1982. He is a member of the Society of Professional Archeologists.

**TIMOTHY C. KLINGER** served as principal investigator and authored various sections of the report. Mr. Klinger received an M.A. in anthropology from the University of Arkansas in 1977 and a J.D. from the University of Arkansas School of Law in 1982. He is a member of the Society of Professional Archeologists and is an attorney at law licensed by the State of Arkansas.

**JAMES E. PRICE** served as a regional consultant and reviewed the Wimmer ceramic collections for the study. Dr. Price received a Ph.D. in anthropology in 1973 and is affiliated with the University of Missouri, Southeast Missouri Field Station in Naylor, Missouri.

APPENDIX A  
Artifacts collected by Howard Wimmer

Site/Provenience	Artifact Description	Ct.	Wt(g)	Comments
APPENDIX A. Artifacts collected by Howard Wimmer				
23CE436				
Surface - general	Projectile point/knife (Standlee)	1	10.7	
	Bifacial knife (Langtry)	1	9.2	
23CE447				
Surface - general	Unifacial end scraper	1	11.1	
	Bifacial knife proximal (Red Ochre-like)	1	32.3	This is the base of a lanceolate biface.
23CE448				
Surface - general	Bifacial knife (Kings Corner Notched var.)	1	6.2	Shorter stem than is usual on Kings Corner Notched. Similar to some Ensor points.
	Bifacial knife (Ellis-like)	1	6.6	
	Bifacial knife	1	12.7	This lanceolate biface expands in width toward the center where it is broken. One ear is missing also. This may be a preform for a Sedalia or similar biface.
	Aborted preform	1	34.5	Probably abandoned because of poor quality raw material.
	Aborted preform proximal	1	13.7	Breakage late in reduction sequence due to flaw in chert.
	Preform proximal	1	31.7	
	Preform distal	1	23.1	
	Bifacial knife midsection	3	18.1	
23DA52				
Surface - general	Dart point (Kings Corner Notched)	1	4.9	Probably a Terminal Archaic example. However similar bifaces continued into the Woodland periods.
	Bifacial side scraper proximal	1	6.5	A flake modified by unifacially beveling the left side of each blade and adding base notches. Basal notching is suggestive of the Smith type. Probably Late Archaic.
	Arrow point (Scallorn)	1	0.5	Tiny bit of tip missing.
	Biface distal	1	1.6	Possibly broken before use.
23DA63				
Surface - general	Dart point stem (Langtry)	1	5.5	Broken immediately above the shoulders so function cannot be evaluated.
	Stemmed biface proximal (Rice Side Notched)	1	9.7	This specimen has been resharpened until all shoulders are gone. Only a slight indentation indicates the notching. Not used after last resharpening. Tip missing and a chunk missing from one edge.
	Aborted preform	1	5.6	Aborted due to inability to remove central part at one end.
	Bifacial knife	1	24.9	This is an unhafted biface made probably from a twisted flake in that beveling carries to center of blade on right side of each face. Tool was apparently hand held.
	Bifacial knife midsection	1	7.8	
	Bifacial knife distal	1	1.4	
	Preform edge	4	64.1	
23DA83				
Surface - general	Grit-tapered cord marked body sherd	1	11.3	Similar to Havana Cord Marked.
23DA85				
Surface - general	Dart point stem (Kings Corner Notched)	1	4.7	All damage probably caused by impact.
	Arrow point	1	1.0	Side notches have been executed very low on sides giving an effect of short expanding stem. Base damaged but was probably straight or slightly incurved.
	Bifacial side scraper distal	1	5.4	The distal portion of a biface with a natural unchipped bevel on one left side and a flaked bevel on opposite left side. Distinct polish over whole surface due to handling during use.
	Bifacial knife tip	1	2.5	

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23DA330	Preform midsection	3	40.0	
Surface - general	Bifacial knife distal	1	4.9	
23DA339	Dart point stem	1	2.0	Rounded tangs. Some grinding of notches and base. Probably Archaic but too fragmentary to say for sure.
	Bifacial knife midsection	1	9.4	
	Bifacial knife tip	1	5.7	
	Aborted preform	1	60.0	Aborted due to coarse textured places in chert and narrow width.
	Dart point (White River)	1	5.0	Thick bifacial beveling suggests resharpening; one pitted fracture.
23DA344	Flat abrader	1	443.4	An elongated elliptical sandstone muller with one end missing. A shallow 2.3 cm wide pit on one face none on opposite. Evidence of pecking on sides which are rounded.
23DA362	Preform midsection	1	20.0	
Surface - general	Bifacial knife (Stone Square Stemmed)	1	17.2	One blade edge has been damaged and resharpened thus it is irregular. However original shape was excurvate. Some damage on one shoulder.
	Bifacial knife	1	1.9	
	Bifacial knife midsection	1	5.1	
	Flake scraper	1	4.3	Unifacially beveled on one edge. Pointed projections at each end used to perforate soft material.
	Preform midsection	4	32.6	
23DA364	Bifacial knife (Castroville)	1	15.7	One barb damaged.
Surface - general	Bifacial knife (Big Creek)	1	16.8	
23DA365	Bifacial knife	1	2.5	Originally barbed. Barbs and part of one tang are missing.
Surface - general	Dart point stem (Fairland-like)	1	4.0	Impact has removed the blade and fracture extends into hafting area on one side.
	Biface edge	1	3.0	One barb a bit of midsection and a small section of damaged blade margin.
	Bifacial knife distal	1	9.1	
	Bifacial knife midsection	1	2.4	
	Preform base	1	65.2	
	Bifacial knife proximal	1	21.4	
	Preform	5	31.5	
23DA366	Bifacial knife (Smith)	1	36.2	
Surface - general	Bifacial knife proximal (Marcos)	1	14.7	
	Bifacial knife (Marcos)	1	22.0	This long Marcos point features much edge damage and both barbs are missing.
	Bifacial knife proximal (Edgewood)	1	3.8	A fairly rare variant of the Edgewood type found throughout Southwest Missouri and Northwest Arkansas. Basal notches angle inward and the thinned base is concave or recurved. Tangs are sharp or slightly rounded and barbs long usually aligned with the base. Almost all of the blade is missing.
	Projectile point/knife (White River)	1	8.8	
	Bifacial knife (Rice Side Notched)	1	12.7	Extensive resharpening produced a slight beveling of the blade. Originally the biface would probably have been an example of the Steuben type.
	Bifacial knife (big Creek)	1	9.8	Resharpened so extensively that one shoulder is missing and the blade is very short.
	Bifacial knife	1	5.8	

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	Bifacial knife proximal (Kings Corner Notched)	1	5.6	1.6 cm of blade margin is on one side; 0.7 on the other.
	Bifacial knife proximal (Calf Creek variant)	1	11.3	This biface is similar to the Calf Creek type except for the basal notch. Barbs were very long (now missing) and the blade is damaged with margin existing only on one side of the biface. Made from a large flake.
	Bifacial knife	1	8.2	This is an unnamed type midway in the continuum between Breckenridge and Rice Lobed. The base is deeply concave to recurved like Breckenridge but the stem edges are not alternately beveled. Serrations appear on this example but no blade edge beveling. One tang is damaged.
	Bifacial knife proximal (Stone Square Stemmed)	1	15.6	This originally was a very long example of the Late Archaic Stone Square Stemmed biface. The chert is a gray and white heat treated fossiliferous Burlington and superficially resembles Elsey.
	Dart point	1	3.4	One notch is strongly basal while the other is almost a corner notch. One barb is very long extending below the existing base while the other is shorter. Similarly shaped points have been found in Woodland contexts.
	Bifacial knife (Waubesa)	1	21.8	Sections of the blade edge are snapped off and some areas show crushing and some hinge fractures. No polish is apparent so the last use of the tool was probably not dismembering. Possibly used to pry something open (bivalve shells for example).
	Bifacial knife	1	16.3	This is a roughly elliptical biface with one strongly excurvate edge and one slightly excurvate one. It is made from an Ordovician Jefferson City quartzite. Resharpening has produced strong beveling along one edge and slight beveling along the other. Very slight indentions near the base may indicate that it was hafted.
	Bifacial knife	1	20.9	This is a large biface with a very narrow parallel stem.
	Stemmed biface proximal (Castroville)	1	14.7	This is a very thin segment of a Castroville type biface with tip and both barbs missing. Thinness suggests a cutting implement. use polish is not apparent on blade margin. It may have been broken before use.
	Bifacial knife (Rice Lobed?)	1	9.5	This seems to be a Rice Lobed point which has been resharpened so extensively as to remove all of the shoulders.
	Stemmed biface proximal (Martindale)	1	12.7	One edge is missing and the other is so battered that function cannot be evaluated. The tip and one barb are gone.
	Bifacial knife proximal	1	9.4	This side notched point is not like White River or Archaic bifaces. Workmanship is fairly crude. Left beveling apparently performed by percussion.
	Bifacial knife proximal (Ensor)	1	3.3	This seems to be a small Ensor point with one missing tang (the other is sharp and angular) missing barbs and missing tip. One blade edge is almost totally snapped away and the small part remaining of the other margin shows slight use rounding and some polish. A very thin biface.
	Biface edge	2	11.7	These two fragments of bifaces each contain a notch and a small section of either stem or blade margin.

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	Biface midsection	2	16.0	Two biface fragments (not preform fragments) with no diagnostic features. One has two slight incurved areas the other has one.
	Bifacial knife proximal	1	8.7	This damaged biface has a missing tip missing barbs and most of the stem missing. Only a small part of one side still is intact. One blade edge is badly damaged while the other has some use rounding and polish on high points in a small undamaged area. Type unknown but probably either Fairland or Martindale (both Late Archaic types).
	Stemmed biface proximal	1	12.4	This is a fragment of an unusual biface with low side notches next to a convex base. All of blade is gone but a tiny portion of one side and it incurves greatly due to unifacial resharpening. This possibly means it was a cutting tool but no other corroborating evidence is apparent. One sharp tang suggests Woodland affiliation.
	Biface stem	1	1.9	This is a fragment of a small and thin corner notched point. Both tangs are damaged one shoulder is missing and almost all of the blade is gone. Type or time period or function cannot be evaluated.
	Biface stem (Waubesa?)	1	6.3	Broken just above the shoulders. A great amount of battering is apparent on the stem edges particularly the base edge as if the item were used as a small hammerstone to remove small flakes perhaps in resharpening. Not enough blade exists to evaluate original function.
	Bifacial knife distal	1	7.5	
	Bifacial knife distal	1	4.4	
	Bifacial knife	1	8.7	
	Bifacial knife midsection	1	3.9	
	Adze	1	91.5	This is a fairly crude adze with distinct hafting provision and thinned bit with some breakage of edge and slight use polish. Apparently the tool was used but little.
	Aborted preform	1	66.4	An early stage preform. One margin is naturally beveled and the other was beveled by percussion to aid reduction.
	Preform	1	17.9	This is a small leaf-shaped preform made from a large flake hence the thinness. A small section of beveled striking platform still present on one edge.
	Aborted preform	1	31.6	This is a small and thick preform apparently aborted early due to a flaw in the stone.
	Preform	1	5.3	This is a most informative preform for either a small dart point or an arrow point. A flake has been roughly percussion flaked. Then starting at the tip the specimen has been carefully pressure flaked about 2.3 cm toward the base. For an unknown reason flaking ceased here. The final product would have been quite thin. Probably Woodland or post Woodland no way to be sure.

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	Unstemmed biface base	1	26.1	This is the base of a thin and large triangular biface. Remaining edges are severely damaged by snapping (possibly by tramping or by farm machinery). Function cannot be evaluated; however this form often served as a cutting implement (probably hand held). It is possible but unlikely that this represents a late stage preform.
	Unstemmed biface base	1	22.9	This is a base fragment of a fairly thin unnotched biface with all margins damaged. The base may have been excurvate.
	Preform base	1	27.0	This is the base portion of a preform with uneven edges due to percussion flaking. Reason for breakage unknown.
	Preform proximal	1	28.2	This is the base of an advanced preform showing some edge abrading along margins. Reason for breakage not clear.
	Mussel shell	4	41.0	Four fragments of mussel shell with exfoliated surfaces. No use wear noted. Possibly represent food selection.
	Preform	56	829.5	These are small badly damaged and undiagnostic probable preform fragments. 34 are obviously heat treated and 22 seem to be of raw chert.
	Bifacial knife stem	1	2.8	This is a fairly rare but widely distributed unnamed biface form. Basal notches are executed at an angle to form a very short expanding stem with concave or recurved base. Massive barbs align with base. One shoulder and most of blade is missing.
	Bifacial knife	1	2.2	This is a small and very thin cutting implement. Narrow corner notches have been executed to form a short expanding stem. One corner of stem is missing so width shown above is "as is." It was once wider.
	Bifacial knife	1	18.5	This is a lanceolate biface with shallow side notches and convex base. One base corner has been broken away. The left margin on each face has been steeply beveled by resharpening. Basally thinned and apparently hafted. Beveling suggests Early Archaic but no way to be sure.
	Preform base	1	33.7	This is a base fragment from a large fairly thin late stage preform with no evidence of use. A concave area has been broken from one side unifacially but no use wear in this area. Possibly this biface was broken during reduction or accidentally before it was used.
	Bifacial knife distal	1	6.0	3.7 cm of margin remains on one side and 2.0 cm on the other.
	Bifacial knife distal	1	7.6	
	Preform	10	111.1	This is a lot of 10 undiagnostic biface fragments probably pieces of preforms broken in reduction. No use indications noted on any of them.
	Hematite	1	47.4	This is an unmodified fragment of hematite. Slight polish on portions of surface may be natural (possibly the specimen was found in a stream bed). Could have been intended as a source of pigment or possibly could have been intended to be worked into a decorative item. Cultural affiliation unknown.

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Site/Provenience	Artifact Description	Ct.	Wt(g)	Comments
	Grinding basin	1	9999.9	This milling basin was used on one side until a cavity in the center of the stone was reached (into which meal would enter). Then the stone was turned over and the opposite side used. The specimen could be either Woodland or Mississippian. The weight is actually well in excess of that actually measured.
23DA367 Surface - general	Dart point	1	3.7	A small dart point made from heat treated Burlington chert. Side notching executed low near convex base. One tang missing and slight tip damage.
	Dart point stem (Stone Square Stemmed)	1	8.8	Distinct impact fracture on one face tip gone and one shoulder missing.
	Bifacial knife distal	1	12.3	
	Preform midsection	5	95.2	
23DA368 Surface - general	Bifacial knife proximal (Lander Corner Notched)	1	13.3	
	Knife/scrapper proximal (Stone Corner Notched)	1	18.3	Biface is snapped 3 cm above shoulder on one side. The opposite shoulder barb and blade edge are missing.
	Knife/scrapper	1	10.0	A rare possibly unique specimen with short squared stem one barbed and one squared shoulder and a side notch located immediately above each shoulder. Unlike the Evans point in stem morphology. Use rounding and polish suggest working of wood and the remaining part of one margin is unifacially beveled. This plus rounding and polish suggests scraping of wood.
	Bifacial knife proximal (Big Creek?)	1	10.0	This is a probable Big Creek point with distal portion one shoulder or barb missing and a central portion of the base snapped away (leaving both tangs intact).
	Bifacial knife proximal (Kings Corner Notched)	1	4.6	Snapped 1.7 cm above the shoulder.
	Dart point stem (Stone Corner Notched?)	1	8.2	This is a badly damaged expanding stemmed point probably of Stone Corner Notched type. Impact fracture has removed most of blade and blade margins and extends into the hafting area on one side. Part of base also snapped off.
	Dart point stem (Stone Corner Notched)	1	7.5	An expanding stem with one shoulder and tiny fragment of blade edge. Apparently broken by impact.
	Dart point stem (Stone Corner Notched)	1	7.8	This is a Stone Corner notched base with one shoulder missing due to impact fracture. Broken just above shoulders. Base is very slightly convex not as bulbous as Big Creek bases. Chert is an unrecognized yellow and gray mottled material.
	Projectile point/knife stem (Stone Square Stemmed)	1	9.6	This Stone Square Stemmed point features impact fracture on one face. However the small amount of blade margin on one side shows light use wear suggesting a secondary function as a cutting tool.
	Biface stem (Stone Square Stemmed?)	1	3.9	A stem fragment consisting of one side and part of base and one shoulder. Broken immediately above shoulder and one side of stem is missing.

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Site/Provenience	Artifact Description	Ct.	Wt(g)	Comments
	Bifacial end scraper proximal (Table Rock Stemmed)	1	3.2	This small Table Rock point has been broken and reworked bifacially into a scraper. Much use rounding and polish on distal edge.
	Knife/scraper midsection	1	21.2	This is a stemmed biface with the tip missing. The stem probably squared has been snapped just below the shoulders. Much edge crushing particularly unifacial can be seen on each blade edge along with little polish. This suggests cutting and scraping of a very hard material probably bone or antler. Working of this hard material has removed evidence of any other use (if any took place). This could be part of a broken Smith point but not enough of the stem is present to be sure.
	Bifacial stem (Big Creek?)	1	4.8	This fragment consists of one barb and one side of a stem (probably expanding).
	Bifacial knife base	1	5.6	This is the base part of a small fairly thin preform which was used as cutting tool. Probably hand held not hafted.
	Bifacial drill midsection	1	3.1	
	Bifacial knife distal	1	12.1	
	Bifacial knife distal	1	14.6	
	Knife/scraper	1	11.5	This is a small preform with a damaged base. Part of one edge has been used to cut soft material probably meat. The rest of that edge (near base) and part of the opposite edge (near tip) has been unifacially beveled and used to scrape (probably wet skins).
	Bifacial knife distal	1	7.4	
	Bifacial knife distal	1	4.9	
	Bifacial knife distal	1	4.3	
	Bifacial knife distal	1	4.5	
	Flake knife	1	11.4	This is a true blade with two longitudinal arrises and much use polish and some edge crushing on margins. The microbreccage probably resulted from bone contact but could have resulted from wood working too.
	Aborted preform	13	226.4	Thirteen preform edge base and distal fragments. Most have some edge abrasion and most seem to have been broken during reduction. One fragment is from black and gray banded Jefferson City chert.
	Bifacial knife (Stone Square Stemmed)	1	24.3	
	Bifacial knife (Kings Corner Notched)	1	6.5	
	Stemmed biface proximal	1	12.6	This biface has heavy stem grinding. Some Woodland contracting stem bifaces do and the Early Archaic Hidden Valley has well ground stems. The Hidden Valley has fine pressure edge treatment often with serrations which the Woodland bifaces do not have. However the edges on this specimen are too damaged to evaluate.
	Bifacial knife midsection	1	7.6	Fine almost parallel pressure flaking suggests an Early Archaic affiliation. But the base portion is missing.
	Bifacial knife distal	1	16.3	
	Preform proximal	1	17.4	
	Bifacial drill	1	1.6	A slender and sharp perforator of chert with some polish on tip. A rectangular hafting area at proximal end has edge grinding.
23DA369 Surface - general	Stemmed biface proximal (Gibson-like)	1	14.2	

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	Dart point stem (Fairland variant)	1	5.1	This is a thin slightly expanding stemmed dart point with impact fracture and damage to both edges and barbs. Most Fairland points have more concave bases.
	Dart point stem (Kings Corner Notched)	1	4.8	This is a small probably much resharpened example of Kings Corner Notched. Originally it may have been used as a cutting tool but after last resharpening it was not used in this way. Tip breakage was probably by impact.
	Arrow point stem (Sequoyah)	1	0.8	This is a good example of the Sallisaw type with serrated blade edges. Made from Reeds Spring chert a variety found in McDonald County Mo. and further south in Arkansas and Oklahoma.
	Aborted preform proximal	1	1.7	
	Flake scraper	1	4.7	A short parallel sided flake has a light unifacial retouch on one margin.
	Arrow point (Sallisaw)	1	0.9	
23DA370 Surface - general	Bifacial knife proximal (Stone Square Stemmed)	1	18.3	Blade snapped 3 cm above shoulders.
	Bifacial knife proximal (Stone Square Stemmed)	1	19.4	
	Projectile point/knife proximal (Table Rock Stemmed)	1	8.2	Table Rock point broken 1.9 cm above shoulders. One shoulder missing possibly due to impact fracture possibly due to arduous dismembering activity. Much use wear and polish on existing blade margin.
	Bifacial knife proximal (Lander Corner Notched)	1	13.9	Biface snapped 2.4 cm above shoulders and one shoulder missing. Some damage to one side of stem.
	Bifacial knife proximal (Rice Side Notched)	1	12.0	Thin biface snapped 3.2 cm above shallow wide notches. Both tangs damaged.
	Bifacial knife proximal (Standlee)	1	13.4	Biface snapped about 2.2 cm above shoulders. Standlee type starts in Terminal Archaic but is most common in Woodland times.
	Bifacial knife proximal (Standlee)	1	10.3	Sloping break starting 2.8 cm above shoulders on one side and sloping to 1.2 cm above other shoulder.
	Bifacial knife midsection	1	7.9	Hafted biface snapped 2.4 cm above shoulders and just below shoulders. Probably expanding stemmed. Type unknown; possibly Late Archaic.
	Bifacial knife distal	1	8.0	
	Bifacial knife midsection	1	13.9	
	Bifacial knife midsection	1	7.2	
	Bifacial knife tip	1	4.9	
	Bifacial knife	1	21.0	This is a small heat treated oolite pebble which has been bifacially flaked to a sharp edge on base part. Cortex still appears at opposite end where thickness is greatest.
	Biface midsection	2	3.0	
	Preform	7	74.3	
23DA371 Surface - general	Bifacial knife proximal	1	13.0	This is an unusual type featuring narrow base notches massive barbs and a very wide thin blade. Notches are too narrow and the stem too expanding to fit into the Ouachita type and the stem is too short and barbs too rounded to represent the Smith type. Thinness at broad blade suggests Woodland. Compare with 1-2.
	Bifacial knife proximal	1	10.3	Same type as 1-1 but notches shallower.

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	Bifacial knife (Langtry)	1	15.9	
	Bifacial knife proximal (Stone Corner Notched)	1	16.6	
	Projectile point/knife stem (Stone Square Stemmed-like)	1	6.8	
	Projectile point/knife stem (Kings Corner Notched)	1	3.4	
	Dart point stem (Langtry)	1	12.6	
	Dart point stem (Langtry)	1	8.5	
	Bifacial knife proximal (Calf Creek variant)	1	8.8	
	Stemmed biface proximal (Big Creek)	1	11.9	
	Bifacial knife (Kings Corner Notched)	1	13.4	Unusually thick and crude because the chert was difficult to work.
	Bifacial knife proximal (Stone Square Stemmed var.)	1	5.5	
	Bifacial knife proximal (Marshall-like)	1	7.6	Broken horizontally and vertically.
	Bifacial end scraper	1	7.3	A broken unrecognized side notched point has been reworked into scraper by unifacial percussion work. Scraping edge slants. Type differs from White River in that area below notched is rounded.
	Bifacial knife	1	9.7	
	Biface stem (Langtry?)	1	4.0	
	Biface stem (Big Creek?)	5	22.2	Five biface fragments which consist of a notch and stem fragment. Blades are missing.
	Bifacial knife midsection	10	60.8	
	Stemmed biface proximal	1	1.9	
	Bifacial knife midsection	3	26.1	
	Preform midsection	11	197.4	
	Unstemmed biface proximal	1	24.0	
	Preform base	1	20.8	
	Preform base	1	21.0	
	Adze distal	1	11.9	This adze bit features much use polish and is made from a yellowish chert with wide texture range. Similar to some Kansas cherts.
	Adze fragment proximal	1	15.5	
	Adze fragment proximal	1	29.3	Adzes of this shape were found in the Middle Woodland at the Albertson site (3BE174; Dickson 1991:118).
	Flat abrader	1	238.8	This is a small loaf-shaped or elliptical mano with a flattened oval cross section of sandstone.
	Bifacial knife (Snyders)	1	23.2	
	Bifacial knife (Snyders)	1	13.6	Made from a heat treated and very fossiliferous brown and tan non-local stone.
	Bifacial knife (Snyders)	1	16.9	
	Bifacial knife proximal (Snyders)	1	22.2	This large biface has one unifacially beveled edge that has not been completely reduced. Apparently broken in manufacture.
	Bifacial knife proximal (Snyders)	1	9.4	One barb tangs and tip missing. Pitted fractures present indicating exposure to heat after manufacture.
	Bifacial knife proximal (Snyders)	1	12.6	
	Preform midsection	74	1227.5	
	Preform midsection	6	405.1	
	Bifacial knife (Snyders preform?)	1	60.3	
	Adze	1	86.8	
	Tested cobble	2	195.4	
	Bifacial knife midsection	17	91.8	
	Stemmed biface	3	6.8	
	Bifacial knife distal	1	22.7	

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	Bifacial knife tip	1	15.5	This broad biface tip has extreme use rounding and crushing all along margins. Polish and rounding suggest that a hard and gritty substrate was being cut. Comparable wear produced on experimental specimens cutting moderately soft stone such as tripoli or claystone.
	Bifacial knife	1	11.7	The lobed base suggests the Rice type but there is no beveling or serrating. There is some similarity to the Jakie type but the latter usually has a more concave base. Comparable specimens were found in Middle Archaic levels at the Pohly site (34MY54) in Mayes County Oklahoma (Ray).
	Bifacial knife proximal	1	7.6	
	Bifacial knife proximal	1	12.4	
	Bifacial knife proximal (Snyders-like)	1	5.1	Tangs are more rounded and notches slightly narrower than in typical Snyders bifaces.
	Bifacial knife (Snyders)	1	6.4	
	Bifacial knife (Steuben)	1	9.1	
	Knife/scraper (Stone Corner Notched)	1	12.7	
	Bifacial knife proximal (Langtry)	1	10.7	Unrecognized chert is a tan and light gray material with dark gray inclusions.
	Bifacial knife proximal (Langtry)	1	6.6	
	Bifacial knife proximal (Dickson)	1	6.9	
	Bifacial knife proximal (Dickson)	1	7.2	
	Bifacial knife (Standlee)	1	8.0	
	Bifacial knife (Standlee)	1	12.3	
	Bifacial knife proximal (Standlee)	1	11.2	
	Projectile point/knife (Langtry)	1	7.3	
	Bifacial knife (Langtry)	1	9.4	
	Dart point (Langtry)	1	8.3	
	Bifacial knife (Standlee-like)	1	13.5	Resembles Standlee except for shorter stem.
	Bifacial knife (Gary)	1	8.5	
	Projectile point/knife (Stone Corner Notched)	1	23.5	
	Bifacial knife proximal (Stone Corner Notched)	1	4.7	
	Stemmed biface proximal	1	8.2	Specimen badly heat damaged with pitted fractures on both faces.
	Bifacial knife proximal	1	10.3	Heat damaged: part of stem and one edge gone.
	Projectile point/knife	1	5.9	
	Projectile point/knife proximal	1	6.6	
	Bifacial knife	1	12.8	
	Bifacial knife proximal	1	5.8	
	Bifacial knife proximal	1	4.7	
	Stemmed biface proximal	1	2.9	
	Bifacial knife midsection	1	8.2	
	Bifacial knife proximal (Snyders?)	1	11.2	Severe crushing on one existing margin.
	Dart point	1	10.8	
	Bifacial knife proximal (Steuben)	1	6.4	
	Projectile point/knife proximal (Steuben)	1	7.2	
	Bifacial knife	1	10.0	
	Bifacial knife	1	13.2	
	Stemmed biface proximal (Rice Side Notched)	1	4.3	
	Biface stem (Table Rock Variant)	1	2.5	
	Biface edge	3	16.8	Three notches with accompanying tiny fragments of blade or stem.
	Arrow point (Kluak Side Notched)	1	1.0	
	Bifacial knife midsection	2	21.1	
	Dart point midsection	2	11.7	

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	Bifacial knife proximal	1	6.0	Broken lengthwise: one blade edge and stem edge missing.
	Bifacial side scraper midsection	1	4.9	A biface broken lengthwise and with missing stem has a concave area unifacially worked into remaining edge. Crushing with polish on high points only indicates hard substance being worked. Earlier use wear obliterated.
	Bifacial drill	1	4.2	A small probable arrow point preform with left side of each face beveled to aid reduction had one corner broken away. Specimen then used as perforator.
	Bifacial drill midsection	1	2.1	
	Bifacial drill base	1	9.4	This is an oval drill base with one side damaged. Perforating tip broken off .3 cm above base.
	Dart point stem (Hanna?)	1	7.5	
	Knife/scraper flake tool	1	18.0	
	Bifacial side scraper	1	8.7	
	Bifacial end scraper	1	6.8	Made from a stemmed biface proximal.
	Preform proximal	1	19.3	
	Bifacial knife proximal	1	25.8	Broken during reduction due to chalky place in chert.
	Preform proximal	1	14.2	
	Preform proximal	1	4.2	
	Preform proximal	1	19.9	
	Core scraper	1	55.9	
	Flake scraper	1	34.5	
	Bifacial side scraper proximal	1	39.8	
	Scraper bifacial proximal	1	27.7	
	Bifacial end scraper	1	27.6	This elongated piece of bifacially worked chert possibly a modified preform fragment shows bright use polish at one end (which has been unifacially beveled).
	Bifacial knife (Lander Corner Notched)	1	16.8	
	Bifacial knife (Lander Corner Notched)	1	24.3	
	Bifacial knife (Lander Corner Notched)	1	14.6	
	Bifacial knife (Lander Corner Notched)	1	10.1	
	Bifacial knife proximal (Snyders)	1	11.1	One corner of the broken tip has been beveled by percussion to form a diagonal cutting edge which has been resharpened several times by percussion. A burin-like chisel edge has much use rounding and polish suggesting cutting a hard material such as bone or antler. Whether this is "reinvention" of a Paleo-Early Middle Archaic tool type to fulfill a specific need or something else is unknown. Rare Late Middle Woodland tool.
	Bifacial knife (Big Creek)	1	10.6	
	Stemmed biface proximal (Big Creek)	1	4.2	
	Dart point stem (Big Creek-like)	1	7.9	
	Bifacial knife proximal (Grand)	1	6.8	
	Bifacial knife (Rice Side Notched)	1	18.8	
	Bifacial knife (Rice Side Notched-like)	1	8.9	This biface has been resharpened so extensively that no shouldered exist at all. Original shape indeterminate: could have Steuben Snyders Lander etc.
	Bifacial knife (Standlee)	1	11.4	
	Dart point stem (Langtry)	1	8.5	
	Bifacial knife proximal (Langtry)	1	6.4	
	Bifacial knife (Langtry)	1	7.3	

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Site/Provenience	Artifact Description	Ct.	Wt(g)	Comments
	Stemmed biface (Waubesa)	1	7.3	The blade of this biface has been resharpened and not used after this last sharpening of one margin. The other margin has been removed via a burin spall or by impact fracture. Tip is sharp and has soft use polish on it apparently from perforating a soft material.
	Bifacial knife proximal (Table Rock Pointed Stem?)	1	8.7	
	Stemmed biface proximal	1	4.9	Blade broken just above shoulders and base of long parallel sided stem is gone. As found the stem is 2.7 cm long and 1.5 cm wide. Possibly the original form resembled the Wells type.
	Stemmed biface	1	9.8	An odd biface with fractured base (like on Decatur type) but probably accidental one missing barb and missing tip. Biface has been pressure resharpened unifacially and then not used after this apparently. Probably originally a cutting tool.
	Dart point stem (Stone Corner Notched)	1	9.1	
	Stemmed biface proximal (Stone Corner Notched?)	1	7.4	
	Biface edge	5	29.4	Five fragments each containing a notch and small fragment of stem or shoulder.
	Bifacial knife midsection	9	79.3	
	Preform midsection	5	175.5	
	Projectile point/knife (White River)	1	9.3	
	Arrow point	1	2.6	Comparable arrow points were found in Early Mississippi context by Dickson (1991:144-145) at Albertson site (3BE174). The point also resembles the Koster type a Late Woodland arrow point (Perino 1985:211) except it is completely flaked. Most Koster points have part of original flake surfaces showing.
	Arrow point	1	1.5	
	Arrow point (Scallorn)	1	1.3	
	Bitacial end scraper	1	42.0	A: ovate biface has one end unifacially beveled to serve as scraper. Has only been used briefly since last resharpening. Some polish on other edges indicates cutting a soft material.
	Flake scraper	1	12.8	
	Flake scraper	1	46.7	A thick elongated flake has one end unifacially worked into scraping edge.
	Flake scraper	1	25.3	A thick elongated blade-like flake has been unifacially worked at one end and along both edges. Use polish is apparent at 25X.
	Preform	1	31.4	
	Preform proximal	1	57.0	Elongated leaf-shaped preform with one side and part of tip gone.
	Preform proximal	1	51.6	
	Preform proximal	1	17.9	
	Core	1	86.6	
	Adze	1	76.2	A large and thick (at one end) wedge shaped flake has been modified slightly at the thin and sharp end and used as adze.
	Flake abrader	1	937.0	Elongated elliptical mano with 2 slightly convex grinding surfaces and rounded edges. Made of hard light tan sandstone.
23DA372				
Surface - general	Preform proximal	1	27.1	
	Preform proximal	1	37.0	
	Preform proximal	1	16.5	
23DA373				

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Surface - general	Dart point stem (Big Creek)	1	10.3		
	Preform	1	17.5		
	Bifacial knife midsection	2	16.2		
	Preform proximal	1	27.0		
	Preform proximal	1	16.1		
23DA374					
Surface - general	Flake scraper	1	27.3		
	Bifacial end scraper fragment	1	8.2	This is probably the base of a thin preform which has been modified into a scraper by beveling the base. Two marginal constrictions at opposite end may mean specimen was hafted.	
	Preform distal	1	19.3		
	Stemmed biface proximal	1	5.5		
	Bifacial knife midsection	2	19.9		
23DA375					
Surface - general	Bifacial knife	1	4.4	Similar bifaces found in Late Archaic at Albertson site (3BE174; Dickson 1991:87) where they were classed as LA-3 bifaces.	
23DA376					
Surface - general	Bifacial knife	1	4.7		
	Bifacial knife (Stone Square Stemmed var.)	1	10.3		
	Dart point midsection (Kings Corner Notched?)	1	3.0		
	Preform proximal	1	13.9		
	Preform midsection	7	116.8		
23DA377					
Surface - general	Bifacial knife (Eaton)	1	7.8		
	Projectile point/knife (Hanna-like)	1	7.3		
	Bifacial knife proximal	1	7.6		
	Bifacial knife proximal	1	9.2	Originally a long biface specimen split longitudinally from near tip to one shoulder.	
	Projectile point/knife (Kings Corner Notched)	1	2.9		
	Bifacial knife (Big Creek)	1	9.6		
	Stemmed biface proximal (Big Creek)	1	5.3		
	Bifacial knife	1	14.2	One blade margin is erratically excurvate the other erratically straight. Made by percussion with no retouch by pressure. Possibly early Mississippian?	
	Bifacial knife proximal	1	20.5		
	Bifacial knife midsection	3	13.6		
	Preform proximal	2	28.6		
	23DA379				
	Surface - general	Bifacial knife proximal	1	10.0	Broken due to brizoan fossil weakening specimen.
Bifacial knife (Afton variant)		1	6.1	This corner notched biface has angular "Afton-like" blade with much use crushing in concave areas apparently due to woodworking. Tip and one tang missing.	
23DA380					
Surface - general	Bifacial knife (Kings Corner Notched)	1	2.7	Although base is missing the biface has all characteristics of Kings Corner Notched. Because these points became smaller in post Archaic times this small example is probably Woodland.	
	Bifacial knife midsection	1	5.7		
	Preform distal	1	26.5		
	Blank	1	97.1		
23DA381					
Surface - general	Biface stem	1	1.7	Stem possibly from Kings Corner Notched.	
	Preform proximal	1	12.2		
	Preform midsection	1	18.3		
23DA382					

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Site/provenience	Artifact Description	Cl.	Wt(g)	Comments
Surface - general	Arrow point (Scallora)	1	1.8	
	Dart point stem (Table Rock Stemmed)	1	3.1	
	Preform	1	3.4	
	Bifacial knife midsection	2	12.5	
	Biface midsection	2	20.5	
23DA383				
Surface - general	Bifacial knife (Big Creek)	1	12.6	
	Bifacial knife (Waubesa)	1	12.4	
	Bifacial knife midsection	1	19.9	
	Stemmed biface proximal (Big Creek?)	1	11.1	
	Preform midsection	7	86.9	
23DA384				
Surface - general	Bifacial knife midsection	1	14.3	
23DA385				
Surface - general	Bifacial knife (Smith)	1	17.1	
	Preform midsection	21	333.8	
	Bifacial knife midsection	4	46.8	
	Knife/scraper base	1	18.8	The base of an advanced preform shows slight unifacial pressure beveling.
	Bifacial side scraper midsection	1	15.1	A large biface fragment with a concave area uniaxially worked into the one existing edge. Either specimen not used or resharpened and not used further.
	Dart point stem (Hanna)	1	7.4	Biface has been broken by heat. No use wear. Usual function for Hanna is dart point.
	Bifacial knife (Steuben variant)	1	15.2	
	Bifacial knife (Gibson)	1	7.4	
	Bifacial knife (Big Creek)	1	10.0	
	Dart point stem (Duncan)	1	3.0	
	Bifacial end scraper (Hanna?)	1	6.4	Seems to be base fragment of Hanna point broken and uniaxially reworked just above the side notches to form hafted scraper. Could be Late Archaic or a reworked find modified into scraper at a later time. Has been battered somewhat after use on hides.
	Bifacial knife (Big Creek)	1	10.3	
	Bifacial knife (Gibson)	1	12.2	
	Dart point midsection	1	12.9	Tiny portion of stem left. Could have been square or contracting. If square point is Late Archaic if contracting probably is Woodland.
	Bifacial knife	1	16.9	Crudely manufactured by percussion flaking.
	Bifacial knife (Langtry-like)	1	9.7	One blade edge strongly incurved one straight.
	Bifacial knife midsection	1	3.3	Most of stem and much of blade missing.
	Bifacial drill midsection	1	2.5	
	Bifacial knife proximal	1	22.2	This triangular fragment with one margin a break. Probably not hafted. Use wear on both existing margins. Thin for size but original shape uncertain.
	23DA386			
Surface - general	Bifacial knife (Calf Creek variant)	1	8.8	Biface has been exposed to fire and has been smoked dark but it is a fossiliferous Burlington apparently. Concave base and lack of stem grinding not typical of Calf Creek. This is probably a late variant of the type. Both barbs missing.
	Bifacial knife	1	9.3	This unnamed specimen seems related to the Calf Creek type but is probably younger. Similarly shaped specimens were recovered in Calf Creek Cave in a disturbed context (Dickson 1970:63).
	Preform midsection	38	621.0	
	Bifacial knife midsection	4	25.7	
	Bifacial knife midsection	9	69.9	

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	Preform proximal	7	233.2	
	Projectile point/knife (Big Creek)	1	7.9	Apparently used as dart point after resharpening reduced size.
	Bifacial knife (Table Rock variant)	1	6.2	
	Bifacial knife (Hanna)	1	6.8	
	Dart point stem (Hanna)	1	4.0	
	Dart point (Hanna)	1	7.3	Sloping shoulders and edges just above them have been abraded.
	Dart point (Hanna?)	1	4.0	Specimen has been resharpened to a pointed stub probably on foreshaft. Steeply beveled edges would not be effective as cutting tool. Probably resharpened in field and discarded when new biface made.
	Bifacial knife proximal (Table Rock variant)	1	5.6	
	Bifacial knife midsection (Gibson-like)	1	10.0	Base of stem and tip missing. Seems to be damaged example of Gibson. Eisey chert is from further south.
	Dart point (Hanna?)	1	5.5	
	Dart point stem (Big Creek)	1	10.9	
	Bifacial knife	1	10.0	Biface has been resharpened too extensively to determine original shape. Probably point was Steuben or Rice Side Notched but one cannot be sure. The tip was probably pointed.
	Bifacial knife (Stone Corner Notched)	1	10.2	
	Stemmed biface proximal (Stone Corner Notched)	1	9.3	
	Projectile point/knife proximal (Stone Corner Notched)	1	12.6	Potlid fracture on one face. Type most often dart point with cutting secondary.
	Stemmed biface proximal (Kings Corner Notched)	1	8.9	Biface has been broken and resharpened. Final resharpening has eliminated one shoulder. Small blade area may feature some wear but not enough present to evaluate.
	Stemmed biface proximal	1	8.7	
	Bifacial knife proximal (Big Creek)	1	8.0	
	Projectile point/knife (Palmillas-like)	1	8.0	Typical of the Palmillas biface a Texas type not usually considered to extend as far north as Missouri. Tip damaged.
	Projectile point/knife	1	6.8	Similarly shaped biface found in Late Woodland context at Alberson Site (3BE174; Dickson 1991:131).
	Bifacial knife	1	5.5	
	Bifacial knife proximal (Smith)	1	13.6	
	Preform proximal	2	30.7	
	Blank	1	217.3	Since this is classic Eisey chert it probably was obtained in either Barry Stone or Taney counties. Eisey formation is not found in Dade County.
	Unstemmed biface proximal	1	5.4	All margins except base concavity damaged severely.
	Stemmed biface proximal	2	13.0	
	Projectile point/knife proximal (Rice Side Notched)	1	10.2	
	Projectile point/knife proximal (Rice Side Notched)	1	8.7	
	Bifacial drill proximal	1	9.6	
	Bifacial drill midsection	1	6.0	
	Preform	1	18.3	
23DA387				
Surface - general	Preform midsection	35	579.2	
	Bifacial knife (Rice Lobed variant)	1	12.5	
	Bifacial knife midsection	4	32.8	
	Bifacial knife (Big Creek variant)	1	18.6	
	Bifacial knife (Big Creek)	1	17.7	

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	Bifacial knife (Big Creek)	1	10.0	
	Bifacial knife (Stone Corner Notched)	1	12.0	
	Bifacial knife (Big Creek)	1	5.3	Resharpened to stub. Not used much after final resharpening. Stem and blade both of similar size and shape.
	Biface midsection	4	9.9	
	Projectile point/knife (Stone Corner Notched)	1	14.5	
	Knife/scrapper	1	13.3	A square stemmed biface has been resharpened bifacially to a rounded short blade. One corner of stem and part of base damaged.
	Bifacial side scraper midsection	1	13.2	A thin corner notched biface has tip missing and stem damaged. One straight blade edge has extreme rounding from scraping an abrasive substance probably dried pottery. There is some rounding on the opposite blade margin. Scraping function obliterated any evidence of earlier usage if it existed.
	Bifacial knife (Stone Square Stemmed)	1	19.0	
	Bifacial knife (Steuben)	1	8.8	
	Stemmed biface proximal	4	32.7	These biface fragments all seem to have had expanding stems but all are damaged. Distal portions all missing and small remaining blade edges all damaged.
	Bifacial knife midsection	5	91.0	
	Projectile point/knife (Table Rock variant)	1	7.6	
	Bifacial drill proximal	1	6.1	
	Bifacial drill midsection	1	7.1	
	Bifacial knife	1	6.2	
	Bifacial knife (Rice Side Notched)	1	11.2	
	Stemmed biface proximal (White River variant?)	1	7.4	This is a fairly rare variant of White River type. Instead of being parallel below the notches this area contracts sharply to a base notch.
	Projectile point/knife stem (Stone Square Stemmed)	1	12.9	
	Bifacial knife proximal (Afton?)	1	18.1	This corner notched biface seems to have had an angular blade. The specimen has a missing tip and is split lengthwise through blade and stem.
	Bifacial knife (Big Creek)	1	9.4	
	Dart point (Big Creek)	1	12.7	
	Stemmed biface midsection (Big Creek?)	1	13.7	Stem mostly missing and blade margins so battered that evaluation of function is impossible.
	Bifacial knife proximal (Stone Square Stemmed)	1	12.6	
	Bifacial knife (Steuben)	1	8.0	
	Stemmed biface proximal (Stone Corner Notched)	1	7.9	
	Stemmed biface proximal (Stone Corner Notched var.)	1	8.7	
	Stemmed biface proximal (Stone Corner Notched)	1	5.1	
	Projectile point/knife proximal (Big Creek)	1	11.3	
	Knife/scrapper proximal	1	14.8	Expanding stem becomes convex immediately below shoulder (one missing, one damaged). One blade margin and tip missing. The other blade edge unifacially beveled with polish from both cutting and scraping.
	Stemmed biface proximal (Kings Corner Notched var.)	1	3.9	

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Site/Provenience	Artifact Description	Ct.	Wt(g)	Comments
	Bifacial knife	1	18.4	This is possibly a preform for type like Kings Corner Notched but there is no hafting provision. Biface is thin and shows use wear and evidence of resharpening.
	Flake knife	1	12.3	
	Preform	1	22.2	
	Preform proximal	1	25.3	
	Preform	1	34.3	
	Preform	1	34.0	The dark gray fossiliferous chert is probably Sedalia but could be lower Burlington.
23DA388				
Surface - general	Bifacial knife (Langtry)	1	9.6	
	Bifacial knife midsection	1	13.8	
	Steamed biface (Lander Corner Notched)	1	8.2	
23DA389				
Surface - general	Bifacial knife (Dickson)	1	11.3	
	Bifacial knife (Dickson)	1	7.8	
	Bifacial knife (Dalton)	1	10.2	Crude Dalton made from a poor grade of Jefferson City chert.
	Bifacial knife midsection	1	6.9	
	Preform proximal	2	58.0	
23DA390				
Surface - general	Blank	1	125.8	
	Bifacial knife midsection	1	6.4	
	Bifacial knife midsection	1	21.8	One blade margin unifacially beveled.
23DA391				
Surface - general	Steamed biface proximal (Langtry)	1	3.4	
	Bifacial knife midsection	1	11.2	
23DA392				
Surface - general	Dart point (Big Creek)	1	8.0	Biface much resharpened the last time by percussion. Only use evidence is tip damage. However earlier use is probable.
	Bifacial side scraper midsection	1	8.4	Biface midsection fragment has curved edge. The other margins are irregular breaks. Curved edge has much use rounding and bright polish line indicative of scraping dry hide.
	Knife/scraper distal	1	21.6	Distal portion of biface with rounded tip. Later has been unifacially beveled to serve as scraper and has bright polish line. Other edges show use polish indicative of cutting soft material.
	Preform proximal	1	38.1	
23DA393				
Surface - general	Preform midsection	61	1347.5	
	Bifacial knife midsection	20	159.2	
	Preform proximal	6	117.2	
	Chopper	1	348.6	This large artifact may represent a preform for an axe or hoe but some battering can be seen on margins so it was used as is. A bit of stream cortex is present on one face otherwise it is worked bifacially. Very fossiliferous red gray and cream colored Pierson chert with much variation in texture.
	Hematite	1	31.4	
	Bifacial knife midsection	3	21.3	
	Blank	1	183.8	
	Blank	1	100.0	
	Blank	1	129.1	
	Blank	1	127.5	
	Blank	1	107.2	
	Blank	1	81.5	
	Preform	1	24.6	
	Preform	1	29.0	
	Preform	1	25.7	

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	Preform	1	16.0	
	Preform proximal	1	24.0	
	Core	1	58.5	
	Bifacial knife	1	12.2	This is a fairly common but unnamed type. It resembles Breckenridge except is unbeveled and tangs are too pointed for Rice. Stem does not expand as much as does the Middle Archaic Jakie point.
	Stemmed biface proximal	1	5.8	
	Stemmed biface proximal (Jakie-like)	1	4.4	
	Bifacial knife (Jakie-like)	1	9.3	
	Bifacial knife (Stone Square Stemmed)	1	23.5	
	Bifacial knife proximal (Stone Square Stemmed)	1	22.1	
	Knife/scrapper proximal (Stone Square Stemmed)	1	12.5	Bright polish line and rounding indicate final use in scraping dry hide. This use has obliterated any earlier function such as cutting. Made from mottled Jefferson City chert.
	Bifacial knife proximal (Stone Square Stemmed)	1	12.1	
	Stemmed biface proximal (Smith variant)	1	13.6	Unlike typical Smith biface the stem very slightly expands. Blade margins too damaged to evaluate however the Smith type usually is a cutting tool.
	Knife/scrapper (Kings Corner Notched)	2	11.7	This is a large and very thin Kings Corner Notched with use rounding and polish on one margin. The other has a slight use beveling and some polish indicating a scraping action briefly. Polish line has not developed.
	Bifacial knife (Kings Corner Notched var.)	1	11.8	
	Bifacial knife (White River variant)	1	8.4	Typical White River Archaic shape except for the serrations which are unusual. No beveling of blade edges.
	Knife/scrapper (Big Creek)	1	10.7	The distal part has been unifacially beveled by pressure and used briefly as a scraper. Use polish on lower (unbeveled) part of edges suggests cutting soft material.
	Dart point (Big Creek)	1	10.7	
	Bifacial knife (Big Creek)	1	12.8	
	Bifacial knife (Rice Side Notched)	1	6.2	This biface made from a curved flake with minimum alteration by percussion mostly.
	Bifacial knife (Stone Corner Notched)	1	13.5	
	Bifacial knife (Stone Corner Notched)	1	9.2	
	Stemmed biface proximal (Stone Corner Notched)	1	11.2	The small amount of blade intact suggests incurving margins. Too much damage to evaluate function but slight trace of use polish can be seen. Both tangs missing from stem.
	Bifacial knife proximal (Stone Corner Notched)	1	12.7	
	Knife/scrapper proximal (Steuben variant)	1	10.1	The remaining 1.2 cm of one blade margin features extreme rounding and slight polish typical of that produced by scraping dried pottery (or a very soft gritty stone). This rounding has obliterated any evidence of earlier function. However Steuben points usually functioned as cutting tools.
	Bifacial knife (Steuben)	1	9.8	Exhausted (by resharpening) blade has much edge crushing typical of working bone or antler and some rounding and abrasion typical of that produced by cutting soft stone.
	Projectile point/knife (Big Creek)	1	8.0	
	Stemmed biface proximal (Stone Corner Notched)	1	10.0	

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Site/Provenience	Artifact Description	Ct.	W(g)	Comments
	Stemmed biface proximal (Stoae Corner Notched?)	1	8.7	
	Bifacial knife proximal (Stoae Corner Notched?)	1	5.9	
	Aborted preform proximal (Smith preform)	1	18.5	This is a preform for Smith point broken late in reduction. Notches were started but not finished. Blade roughly flaked and beveled to aid reduction.
	Bifacial knife (Hanna)	1	9.7	
	Bifacial knife proximal (Hanna)	1	5.6	
	Dart point (Hanna)	1	6.4	
	Dart point (Hanna)	1	6.9	
	Bifacial knife (Hanna)	1	9.1	Exposed to heat. Large potlid fracture from one side. Tip probably broken by heat too.
	Dart point (Hanna)	1	5.1	
	Bifacial knife proximal (Hanna)	1	7.1	
	Projectile point/knife	1	5.4	Fairly rare type found by Dickson (1991:95) in Middle Woodland levels at Albertson site where it was used as dart point. The 23DA393 specimen has evidence of impact fracture but has been resharpened obliterating most of it.
	Bifacial knife proximal (Smith)	1	7.3	
	Bifacial knife proximal	1	6.0	
	Biface stem	10	69.3	Ten undiagnostic notch-shoulder fragments. Most probably came from expanding stemmed bifaces.
	Bifacial knife (Kings Corner Notched)	1	9.2	
	Bifacial knife (Kings Corner Notched)	1	7.8	
	Projectile point/knife stem (Tule Rock Stemmed)	1	4.6	
	Bifacial knife	1	2.9	The stem is small enough for an arrowhead however the blade is wide and very thin and features some use polish.
	Bifacial knife	1	2.4	Similar shaped bifaces were found at the Albertson site (3BE174; Dickson 1991:95) and classified as MW-2 bifaces. These very thin examples seem to have served as cutting tools thicker examples as dart points.
	Bifacial knife	1	3.7	Shape similar to Kings Corner Notched but not good example of this type. Use polish distinct on existing edges.
	Projectile point/knife	1	1.6	This biface is small enough to have functioned as an arrow point but has some use polish on margins indicating at least a partial function of cutting tool. Possibly an early example of an arrow point and possibly a nearly exhausted very small cutting tool.
	Knife/scrapper (Kings Corner Notched)	1	3.5	Reworked bifacially to a round pointed stub. Use polish from cutting abundant but a possible polish line suggests limited scraping of skins.
	Stemmed biface	1	17.5	Unusual expanding stemmed biface with wide and thin blade has two deep and narrow notches worked into one edge. The opposite edge has had at least one (probably two) notches placed in it but the area is broken away. Some use polish can be seen in the notches as if something soft were being drawn through them. Specimens like this usually are called "eccentrics." At first glance it would seem someone was practicing notching but the wear in notches suggests intentional production for an unknown purpose.

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Site/Provenience	Artifact Description	Cl	Wt(g)	Comments
	Flake notched	1	10.0	An unmodified heat treated flake has one notch flaked in each edge. One notch is nearer one end the one on opposite edge is closer to the other end. Purpose for notching unknown.
	Bifacial drill proximal	1	2.6	
	Bifacial drill proximal	1	4.4	
	Bifacial drill midsection	1	5.3	The distal portion of a biface has had edges well ground and a narrow point flaked on tip (most of which is missing). Used as perforator.
	Bifacial knife (Kings Corner Notched)	1	6.9	
	Dart point (Stone Corner Notched var.)	1	8.9	
	Bifacial knife proximal (Stone Corner Notched)	1	16.0	
	Bifacial knife (Steuben)	1	10.8	
	Spokeshave bifacial proximal	1	12.8	The base portion of a preform with convex base has a concave area unilaterally worked in each blade edge near the base. Use polish found in concavity.
	Bifacial knife (Gibson variant)	1	8.8	
	Preform proximal	1	12.1	
	Bifacial knife (Jakie variant)	1	11.1	
	Stemmed biface proximal	1	12.4	
	Dart point stem (Stone Corner Notched)	1	16.2	
	Flake knife	1	2.7	
	Preform proximal	1	13.6	
	Bifacial knife	1	3.5	
	Dart point stem	1	6.4	
	Knife/scraper (Big Creek)	1	8.3	
	Biface stem (Big Creek)	1	5.2	
	Stemmed biface proximal	1	7.6	
	Bifacial knife (Steuben)	1	9.3	
	Stemmed biface proximal	1	5.6	
23DA394				
Surface - general	Arrow point (Fresno)	1	1.1	
	Preform proximal	2	13.7	
23DA395				
Surface - general	Stemmed biface proximal (Rice Side Notched)	1	9.2	
	Projectile point/knife (Rice Side Notched)	1	7.3	Much resharpened biface was probably used as cutting tool until resharpening reduced size and then used as dart point. Final use was dart point.
	Preform proximal	2	46.4	
	Preform base (Rice Side Notched preform)	1	11.2	This base preform fragment reflects a lanceolate shape with slight edge constriction near base (damaged).
	Bifacial knife (Rice Side Notched)	1	7.3	Exhausted biface sharpened last by percussion in rough manner. No wear. One tang missing too.
	Preform base	1	21.5	
	Stemmed biface proximal (Stone Corner Notched)	1	8.7	
	Grog-tempered plain body sherd	1	62.8	Thick body sherd sherd seems mostly clay tempered with slight amount of grit or sand included.
23DA396				
Surface - general	Bifacial knife	1	55.0	
	Preform proximal	4	69.3	
	Bifacial knife (Stone Square Stemmed)	1	14.6	
	Bifacial side scraper	1	74.5	
	Bifacial knife midsection	1	9.5	
	Preform base	2	10.0	
	Biface stem (Hanna?)	1	3.3	

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Site/Provenience	Artifact Description	Ct.	W(g)	Comments	
23DA397 Surface - general	Bifacial knife midsection	1	4.4		
	Preform midsection	15	240.5		
	Blank proximal	1	121.8		
	Bifacial knife midsection	4	36.4		
	Bifacial knife midsection	5	30.9		
	Bifacial end scraper base	1	8.4	The convex base of a thin late stage preform was unifacially beveled and used as a scraper.	
	Bifacial drill midsection	1	1.3		
	Preform	1	62.5		
	Projectile point/knife (Jakie variant)	1	13.8		
	Dart point (Big Creek variant)	1	13.8		
	Bifacial knife (Big Creek)	1	10.0		
	Bifacial knife proximal (Big Creek)	1	11.2	Probably broken during notching of one side was not notched (it is missing). Bright polish on specimen as if stream tumbled some.	
	Stemmed biface proximal (Big Creek)	1	7.2		
	Bifacial knife	1	11.3		
	Bifacial knife (Standice)	1	8.0		
	Dart point stem (Hanna)	1	4.9		
	Dart point stem (Hanna variant)	1	5.5		
	Bifacial knife proximal (Table Rock variant)	1	9.1	This specimen has an unusually short stem for a Table Rock but otherwise is typical for the type.	
	23DA398 Surface - general	Biface stem	1	1.5	
		Preform proximal	1	45.4	
Preform midsection		1	49.2		
Preform midsection		2	9.6		
Stemmed biface proximal		1	9.8		
Bifacial knife (Rice Side Notched)		1	14.8		
Bifacial knife (Steuben variant?)		1	6.5		
Biface midsection		1	4.0	No use wear possibly broken before it could be used.	
23DA399 Surface - general	Bifacial knife midsection	2	12.5		
	23DA400 Surface - general	Knife/scraper (Dalton)	1	7.6	Tip of Dalton point has been unifacially rounded and used as a scraper apparently of wet hides.
Preform midsection		9	137.9		
Bifacial knife proximal (Smith)		1	24.6	One barb was massive (broken) while the other one (damaged) was smaller. Stem rather small for Smith with its massive blade; however this was probably due to the difficulty of flaking the Jefferson City dolomite. Very little of original blade left intact on one side but this shows use polish. Impact fracture seems to be unusual on Smith bifaces since they were mostly used as cutting tools. This one was used as a dart point after much resharpening reduced size.	
Projectile point/knife (Smith)		1	17.2		
Blank		1	108.5		
Flake scraper		1	31.8		
Biface stem (Smith)		1	10.3		
Projectile point/knife (Kings Corner Notched)		1	6.2		
Bifacial knife (Stone Corner Notched)		1	9.6		
Stemmed biface proximal (Table Rock variant)		1	4.9	This variant of the Table Rock type has a shorter stem without heavy grinding.	
Bifacial knife (Langtry)		1	7.1		
Biface		1	3.8		

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Site/Provenience	Artifact Description	Ct.	Wt(g)	Comments
	Arrow point	1	1.2	This small and very short biface has been resharpened to a stub. It may have served as an arrow point but is rather thick for this category of tool.
	Bifacial knife midsection	1	5.6	
	Biface midsection	1	2.9	One possible notch portion of possible stem. No blade margins or barbs or distal portion remaining.
23DA401 Surface - general	Bifacial knife (Rice Side Notched)	1	4.1	This is an example of Rice Side Notched which has all of the slight shoulders removed by resharpening. This variety of Rice Side Notched differs from the Copena in that the base is concave. The "side notching" is really more of a constriction than a true notch.
	Preform base	24	368.1	
	Stemmed biface proximal (Stone Corner Notched)	1	10.0	
	Bifacial knife proximal (Stone Corner Notched)	1	9.8	
	Bifacial knife (Stone Corner Notched)	1	7.4	
	Projectile point/knife (Stone Corner Notched)	1	16.1	
	Bifacial knife proximal (Stone Corner Notched)	1	10.5	
	Bifacial knife proximal (Stone Corner Notched)	1	16.2	All but a small part of one blade margin is damaged. There is use polish and rounding on this small area.
	Bifacial knife proximal (Stone Corner Notched)	1	6.5	Fragment consists of half of stem one notch one shoulder and 2.0 cm of one blade margin.
	Bifacial knife proximal (Big Creek)	1	8.0	
	Stemmed biface proximal (Grand)	1	12.8	
	Bifacial knife midsection	4	30.0	
	Biface midsection	3	16.2	
	Biface midsection	4	15.5	
	Dart point (Stone Corner Notched)	1	13.7	
	Projectile point/knife (Stone Square Stemmed)	1	13.5	
	Dart point proximal (Big Creek?)	1	10.7	
	Bifacial knife proximal	1	11.6	
	Bifacial knife	1	6.8	Broad biface with very short but broad expanding stem. Small amount of blade intact but it has use rounding and polish.
	Bifacial knife	1	8.3	
	Stemmed biface	1	6.1	Biface has very short square stem. Not the same type as specimens 19 and 20 which also have short stems.
	Blank	1	35.7	
	Bifacial knife	1	22.3	Preform aborted due to flaw in chert. Slight polish suggests light use as cutting tool after reduction stopped.
	Preform	1	20.0	
	Preform base	1	33.9	
	Blank	1	94.4	
	Blank	1	107.3	
23DA402 Surface - general	Bifacial knife (White River)	1	11.0	
	Preform midsection	3	37.7	
	Bifacial knife proximal (Stone Corner Notched?)	1	12.5	Biface broken across 2.0 cm above shoulder to blade midpoint and then downward through the stem. Some use rounding and polish on existing blade margin.
	Unstemmed biface proximal	2	8.4	

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Site/Provenience	Artifact Description	Ct.	Wt(g)	Comments
23DA403 Surface - general	Projectile point/knife (Nolan)	1	8.5	This is a good example of the Nolan point usually not found this far north. However (Perino 1985:274) notes that similar points have been found in west-central Illinois so this find may relate to a different area.
	Biface midsection	1	6.8	
	Biface fragment	3	30.7	This type has a bifurcated expanding stem however both rounded tangs are missing on this example and the tip is missing.
	Bifacial knife midsection	3	11.8	
	Bifacial knife (Stone Corner Notched)	1	11.0	
	Bifacial knife	1	6.9	
23DA405 Surface - general	Bifacial knife (Kings Corner Notched)	1	4.7	
	Dart point (Stone Corner Notched)	1	17.2	
	Arrow point (Scallorn)	1	0.4	
	Core scraper	1	29.7	
	Biface midsection	1	1.2	
	Preform midsection	1	7.2	
23DA406 Surface - general	Bifacial knife proximal	1	18.5	This is either the base of an advanced preform used as a knife or an unhafted specimen since use rounding and polish are found on the base area.
23DA407 Surface - general	Sand-tempered core marked body sherd	1	13.3	All broken fragments. One large fragment rodent gnawed along edges.
	Flake knife	1	15.8	
	Unidentified mammal bone (Odocoileus virginianus?)	1	28.5	
	Bifacial knife proximal	1	4.2	
	Unidentified bone	5	30.1	
23DA408 Surface - general	Bifacial knife (Stone Square Stemmed)	1	32.6	A blade-like flake which has the extreme rounding caused by scraping leather-hard dried pottery.
	Bifacial knife (Lander Corner Notched)	1	14.6	
	Flake scraper	1	10.8	
	Preform midsection	1	25.2	
	Flake knife	1	3.5	
	Unidentified mammal bone (Odocoileus virginianus?)	1	1.6	
23DA410 Surface - general 23DA412 Surface - general	Arrow point (Sequoyah)	1	0.9	Jefferson City quartzite. Blade appears reworked as it is narrower than usual for Haskell. Resembles Steuben except for shorter than usual hafting area.
	Arrow point (Scallorn)	1	0.9	
	Arrow point (Keota)	1	0.8	
	Arrow point (Haskell)	1	1.2	
	Stem: bifacial proximal (Steuben-like)	1	4.8	
23DA413 Surface - general 23PO230 Surface - Area 21 Surface - Area 1	Stemmed bifacial proximal (Big Creek)	1	8.7	Well made bifacial finished by pressure flaking. Serrations on one margin. Blade margins probably recurved.
	Dart point (White River)	1	6.2	
	Bifacial knife proximal (Kings Corner Notched)	1	6.4	
	Projectile point/knife proximal (Dickson)	1	10.7	
	Arrow point stem (Scallorn)	1	0.7	

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Site/Provenience	Artifact Description	Ct.	Wt(g)	Comments
23PO304 Surface - general	Bifacial knife (White River)	1	8.9	
	Stemmed biface proximal (Big Creek)	1	6.0	
	Bifacial knife	1	11.7	Stem broken just below shoulders. Cannot tell whether it was contracting stem or what.
	Preform distal	1	41.5	
	Preform midsection	1	53.0	
23PO320 Surface - general	Biface edge	1	8.7	Fragment consists of part of a notch and adjacent area.
	Preform proximal	1	9.4	
23PO351 Surface - Area C	Bifacial knife (Rice variant)	1	10.1	This seems to be a late variant of the Rice type without stem grinding.
	Bifacial knife (Ensor)	1	5.9	
	Knife/scrapper (Grand)	1	11.2	
	Biface midsection	7	79.5	All 7 of these tips seem to be from advanced stage preforms and do not appear to have been used.
	Preform midsection	4	125.9	
	Biface midsection	6	22.7	
	Dart point stem (Big Creek)	1	7.5	
	Dart point stem (Big Creek)	1	11.7	
	Dart point stem (Stone Square Stemmed)	1	7.9	Made from a dark and light gray fossiliferous chert probably Sedalia.
	Stemmed biface proximal	1	11.3	Very short square stem has probably been broken and reworked unilaterally. May originally have been either Smith or Stone Square Stemmed
	Arrow point (Scallora)	1	0.6	
	Stemmed biface proximal (Table Rock variant)	1	11.4	
	Bifacial knife	1	7.3	Biface has been resharpened so much that all of shoulders gone. Possibly a Smith point originally.
	Preform	1	32.2	
	Preform proximal	1	22.9	
	Preform proximal	1	20.9	
	Preform proximal	1	26.2	
	Biface midsection	1	7.8	
	Biface midsection	1	8.3	
	Surface - Area D	Bifacial knife (Kings Corner Notched)	1	1.5
Preform midsection		9	157.3	
Biface midsection		6	35.0	
Biface midsection		5	31.4	
Mussel shell		5	79.9	
Sandstone concretion		1	64.7	These sandstone concretions were formed in small cavities in the sandstone. This one is round in shape and may have been used as a small hammerstone.
Flat abrader		1	564.9	Elliptical shaped flattened mano with much use wear on one face.
Preform		1	102.3	
Preform proximal		1	37.3	
Preform proximal		1	15.2	
Preform proximal		1	7.7	
Stemmed biface proximal (Stone Corner Notched)		1	14.1	
Bifacial knife proximal (Big Creek)		1	7.7	
Preform proximal (Stone Corner Notched)		1	8.5	
Stemmed biface proximal (Big Creek)		1	4.8	
Bifacial knife	1	8.2	Probably a development from Rice Lobed with bifacial resharpening.	
Surface - Area A	Bifacial drill midsection	1	0.7	
	Bifacial knife (Steuben variant)	1	14.8	

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Site/Provenience	Artifact Description	Ct.	Wt(g)	Comments
	Bifacial knife proximal (Hanna variant)	1	11.5	This Hanna-like point has a knot on one face which could not be removed by knapping. Some use polish on one margin suggests the tool was used. The stem is well thinned.
	Stemmed biface proximal (Hanna)	1	12.0	
	Projectile point/knife proximal	1	12.1	
	Stemmed biface proximal (Big Creek)	1	5.5	
	Biface midsection	7	94.4	Edges too damaged to evaluate for function. Some of these could be preform fragments.
	Biface midsection	5	47.4	
	Bifacial knife midsection	5	28.6	Some use polish can be seen on all of the tip fragments.
	Dart point stem	1	2.0	This is similar to the LC-8 category from the Albertson site (Dickson 1991:166).
	Bifacial knife	1	16.2	The short thick stem appears to have been reworked into a contracting form. The stem originally could have been squared or expanding.
	Preform proximal	1	3.6	
	Hammerstone	1	88.6	An elliptical shaped core or preform has much battering at one end indicating use briefly as a hammerstone.
Surface - Area B	Mussel shell	6	87.5	
	Bifacial knife (Dalton)	1	6.0	A lanceolate point slightly contracting toward the base has been much resharpened by beveling each left margin. While most archeologists would classify this as Dalton it may have been a lanceolate Agate Basin-like point resharpened in the same manner as a Dalton. The hafting area contracts slightly to a concave base.
	Bifacial knife (Table Rock Stemmed)	1	3.1	
	Projectile point/knife midsection	1	3.5	Specimen had a narrow probably expanding stem formed by base notching but stem is missing. Some impact fracture can be seen on one face and some use polish is found on margins.
	Stemmed biface proximal (Table Rock Stemmed)	1	4.2	
	Dart point stem	1	2.3	
	Bifacial knife proximal	1	7.4	Split lengthwise down the center.
	Preform proximal	7	96.7	One fragment is from dark chert possibly Sedalia.
	Unstemmed biface proximal	6	38.7	
	Bifacial knife proximal	2	12.4	
	Preform proximal	1	133.6	This is the base of a large preform made from coarse textured and fossiliferous Burlington chert. Probably broken during reduction.
23PO355	Mussel shell	4	28.2	
Surface - general	Dart point (Ellis-like)	1	5.6	
	Stemmed biface	1	4.6	This biface has a short expanding stem with concave base heavy sweeping barbs (damaged) and a wide thin blade. Probably Archaic. Blade margins damaged. Either it was used in some arduous activity or was broken by trampling or machinery in historic times.
	Arrow point (Scallorn)	1	0.6	

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Site/Provenience	Artifact Description	Ct.	Wt(g)	Comments
	Bifacial knife (Eley)	1	34.2	Specimen is thick because the stone did not knap well and hinged leaving the center thicker. Stem is not as long as usual for Eley for the same reason. One margin much damaged the other shows some use polish and breakage.
	Preform midsection	5	85.1	
	Biface midsection	2	15.6	
	Bifacial knife midsection	1	9.1	
	Bifacial knife	1	6.9	Stem has been broken .5 cm below the shoulders and has been unifacially beveled and used as a scraper.
	Bifacial knife proximal	1	19.7	This type biface was recovered from an apparent Middle Archaic context at Calf Creek Cave in Searcy Co. Arkansas (Dickson 1970:70-71).
	Bifacial knife (Hanna)	1	8.4	
	Bifacial knife proximal	1	8.6	This biface is a very thin carefully made unnotched biface with use polish and microbreakage along the one partly intact edge. Apparently unhafted.
23PO357				
Surface - Area A	Arrow point (Scallorn-like)	1	1.7	Typical of Late Woodland Scallorn points in that thickness is greater than usual and workmanship is less skilled.
	Bifacial knife proximal	1	3.5	A fairly rare type possibly of Early Mississippi origin. Stem is not ground as are similarly shaped Archaic bifaces with broader stems.
	Bifacial knife (Big Creek)	1	14.0	
	Bifacial knife (Big Creek)	1	5.8	Biface was probably originally corner notched but has been resharpened so much that most of blade is gone and wide shallow side notches seem apparent.
	Stemmed biface proximal	1	1.2	
	Stemmed biface proximal	1	1.0	
	Preform	1	26.1	
	Preform midsection	3	27.7	
Surface - Area B	Preform midsection	14	188.1	
	Bifacial knife (Smith)	1	22.7	
	Stemmed biface proximal (Big Creek)	1	9.1	
	Bifacial knife (Ennor)	1	4.2	
	Dart point stem (Table Rock Stemmed)	1	1.7	
	Bifacial knife midsection	1	8.5	
23PO359				
Surface - general	Preform midsection	31	548.3	
	Biface midsection	11	53.5	
	Biface midsection	6	25.2	
	Unstemmed biface base	9	32.8	
	Bifacial knife proximal (Dalton)	1	4.9	This Dalton point is broken just above the hafting area. Two serrations are apparent above the hafting area on each side and these feature some use polish. Flute-like thinning flake runs full length of specimen on one face.
	Bifacial knife (Steuben)	1	16.8	Biface is made from red Pierson chert from further south.
	Dart point	1	10.9	Biface has a very wide slightly expanding stem. Resembles no known type.
	Bifacial knife (Big Creek)	1	9.3	
	Bifacial knife (Big Creek variant)	1	5.5	
	Dart point (Big Creek)	1	14.2	This Big Creek point is made from a very fossiliferous and coarse textured Burlington chert and is thick just above the hafting area. Considerable impact damage is apparent.

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Site/Provenience	Artifact Description	Ct.	Wt(g)	Comments
	Biface stem	1	8.4	
	Bifacial drill	1	4.8	
	Projectile point/knife proximal (Big Creek)	1	11.2	
	Dart point stem (Table Rock variant)	1	1.7	
	Preform	1	4.1	
	Arrow point (Crisp Ovate)	1	2.3	
	Dart point (White River)	1	2.4	
	Dart point (White River)	1	2.3	Biface resharpened to a small stub. Some impact damage on tip.
	Dart point (White River)	1	2.0	
	Bifacial end scraper (Big Creek)	1	4.2	An exhausted Big Creek point was reworked into an end scraper. Some use polish can be seen on distal end which is bifacially produced by pressure.
	Stemmed biface proximal (Stone Corner Notched)	1	5.8	
	Bifacial knife proximal (Big Creek)	1	9.0	
	Bifacial knife proximal (Hanna)	1	6.3	One potlid fracture on one face and some heat damage on edges.
	Biface stem (Kings Corner Notched)	1	3.2	
	Arrow point midsection	1	3.5	This small biface is probably an early arrow point. Stem is missing so type cannot be evaluated.
	Bifacial knife proximal (Big Creek)	1	4.4	Biface broke due to inclusion of a brizoan fossil in chert.
	Bifacial drill midsection	1	0.4	
	Stemmed biface proximal (Duncan)	1	4.0	
	Stemmed biface (Hanna)	1	4.2	
	Stemmed biface proximal (Hanna)	1	3.9	
	Bifacial knife midsection (Calf Creek?)	1	6.7	This specimen consists of one barb a small section of blade edge and a small portion of one side of stem. Possibly biface broke due to fossil crinoid sections in center of blade. Broken lengthwise and above and below shoulder.
23PO360				
Surface - Area B	Flat abrader	1	986.0	Elliptical shaped mano with pecked rounded margins. One face is convex and smoothed from use the other is irregular and unused.
	Abrader grooved	1	428.9	Seven narrow grooves along one margin and 5 or 6 along another. Possibly used in awl sharpening; possibly used some as preform edge abrader.
	Bifacial knife (Kings Corner Notched)	1	6.2	
	Dart point (Table Rock Stemmed)	1	7.1	
	Preform midsection	19	501.7	
	Flake scraper	1	71.0	This is a large decortication flake from a medium and dark gray chert possibly Sedalia which has been unifacially beveled to form a scraping edge. Some use rounding and polish can be seen on the margin. Shape typical of Woodland scrapers.
	Bifacial knife (Kings Corner Notched)	1	10.2	
	Bifacial knife distal	1	4.2	This biface has been resharpened several times. Type cannot be determined since the stem is almost all missing.
	Bifacial knife (Big Creek)	1	11.0	
	Bifacial knife proximal (Stone Corner Notched)	1	11.3	
	Bifacial knife midsection	1	3.4	
	Bifacial knife (Waubesa)	1	9.4	Base probably originally rounded.

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Site/Provenience	Artifact Description	Cl.	Wt(g)	Comments
	Projectile point/knife (Dickson)	1	11.3	This originally was a broad bladed Dickson point. It was resharpened much removing most of the shoulders. Then finally after size was reduced greatly it was used as a dart point. Impact fracture is found on both faces.
	Stemmed biface proximal (Dickson)	1	6.5	Blade margins are all missing or damaged. Usually Dickson points served as knives.
	Stemmed biface proximal (Langtry)	1	5.7	Stem too narrow for Dickson biface. All blade edges either missing or damaged so function cannot be evaluated. Most Langtry points served as cutting tools.
	Bifacial knife (Rice Side Notched)	1	2.9	Almost all of the blade margins are either missing or damaged so function cannot be evaluated.
	Stemmed biface proximal (Rice Side Notched)	1	6.5	
	Bifacial drill proximal	1	8.9	Blade is parallel-edged at break. Below break specimen expands to a convex base. Teardrop shape.
	Biface midsection	4	22.8	One fragment is from a fossiliferous dark gray chert probably Sedalia although it is listed as unknown. Fragments are too small and damaged to evaluate function.
	Bifacial knife midsection	2	17.3	
	Projectile point/knife tip	1	5.1	
	Knife/scrapper distal	1	26.7	
Surface - Area A	Bifacial knife (Godar variant)	1	12.3	This biface resembles both the Middle Archaic White River and the Late Archaic Godar. However the base is not concave as in the White River. The resharpening style is typical of the Late Archaic (sloping downward). The specimen seems to be an early example of the Godar type.
	Bifacial knife (Fairland-like)	1	11.2	
	Arrow point (Koster-like)	1	2.8	
	Preform	1	7.1	Probably aborted due to breakage of base and inability to thin one margin.
	Bifacial knife midsection	2	6.7	
	Bifacial drill proximal	1	4.2	This is the oval base from a perforator. Distal part has been broken at junction of base.
23PO361				
Surface - general	Bifacial knife proximal (Stone Corner Notched var.)	1	10.5	
	Bifacial knife proximal (Big Creek)	1	15.3	
	Bifacial knife	1	3.6	Function probably has been cutting however the specimen does not seem to have been used after last resharpening.
	Stemmed biface proximal (Langtry)	1	5.7	
	Arrow point (Keota)	1	0.2	
	Stemmed biface proximal (Table Rock variant)	1	1.4	
	Bifacial knife midsection	2	6.7	
	Preform midsection	7	123.4	
	Flat abrader	1	275.5	
23PO366				
Surface - general	Bifacial knife	1	11.5	This biface resembles the Hardin point in shape but does not have the typical workmanship and stem grinding. Stem is slightly expanding and could be a variant of the Smith type.
	Bifacial knife (Langtry)	1	7.6	
	Preform midsection	15	228.0	
	Bifacial knife midsection	7	65.5	

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Site/Provenience	Artifact Description	Ct.	Wt(g)	Comments
	Biface midsection	4	10.0	
	Bifacial knife (Smith variant)	1	19.0	The stem is smaller and narrower than is typical for Smith and left bevel on blade possibly due to being made from a thick and crooked flake is unusual for Smith. The specimen may also be a reworked Big Creek point with tangs damaged and reworked to a parallel stemmed biface. Blade is suggestive of those found on Big Creek points.
	Projectile point/knife (Smith)	1	19.0	Probably used as dart point after resharpening reduced size. Much use polish and edge crushing on the one intact margin. Impact has apparently removed one edge.
	Bifacial knife	1	8.9	
	Bifacial knife	1	20.1	Made from heat treated Jefferson City quartzite.
	Bifacial knife (Steuben)	1	7.6	
	Bifacial knife proximal (Stone Corner Notched)	1	11.3	
	Bifacial knife (Kings Corner Notched)	1	4.6	
	Dart point stem (Table Rock variant)	1	2.0	This biface is almost exactly like the Epps point of northern Louisiana as far as morphology is concerned. However it probably is an unnamed variant of the Table Rock category.
	Bifacial knife proximal (Table Rock variant)	1	5.5	This point also resembles the Epps type but probably is a variant of Table Rock Stemmed.
	Stemmed biface proximal (Table Rock variant)	1	2.9	
	Bifacial knife (Langtry)	1	6.6	
	Bifacial knife proximal (Langtry)	1	6.6	
	Bifacial knife (Dickson)	1	8.9	
	Bifacial knife proximal (Langtry)	1	12.6	
	Arrow point (Scallora)	1	0.5	
	Arrow point (Scallora)	1	0.5	
	Arrow point proximal (Sequoyah)	1	0.5	
	Arrow point proximal (Sallisaw)	1	0.6	Broken by heat. Pooled fracture on break.
	Arrow point distal	1	0.2	
	Arrow point midsection	1	0.9	
	Adze	1	109.9	This well shaped adze is elongated rectangular in shape with a slight taper toward the poll end. Bit features much use rounding and polish. Sides have been heavily abraded.
	Preform proximal	1	19.2	
	Bifacial end scraper proximal	1	7.0	
	Bifacial knife	1	109.7	
	Stemmed biface proximal	2	5.2	
	Stemmed biface proximal (Langtry?)	1	1.6	
	Preform proximal	1	61.1	
	Tested cobble	1	64.0	A roughly rectangular shaped piece of chert features natural bevels on right side of each face. Two flakes have been struck from one of these bevels to test the chert.
	Preform	1	70.1	
	Preform	1	116.0	
	Aborted preform distal	1	66.3	A long lanceolate shaped preform which broke during reduction due to a brachiopod fossil in chert.
	Square nail	1	9.3	
	Core	1	131.5	
	Flat abrader	1	547.6	
23PO370 Surface - general	Preform midsection	24	424.4	

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Site/Provenience	Artifact Description	CL	Wt(g)	Comments
	Bifacial knife midsection	9	34.4	
	Bifacial knife midsection	11	81.6	
	Bifacial knife (Stone Corner Notched)	1	18.1	Both shoulders have been broken and reworked to some degree. The left beveling has been taken to the center of the blade evenly so a lenticular cross section seems apparent.
	Bifacial knife (Dickson)	1	16.6	
	Projectile point/knife (Dickson)	1	7.3	
	Bifacial knife proximal (Dickson)	1	5.6	
	Bifacial knife	1	11.2	This distinctive biface type features parallel sided to slightly contracting stems usually ground or dulled. Dickson (1991:94 Fig. 58) called this type CS-3 in his Albertson report. At Albertson this was a Woodland type used mostly as a dart point.
	Bifacial knife (Steuben)	1	8.2	
	Bifacial knife (Waubesa)	1	9.4	
	Bifacial knife	1	10.0	Blade of this side notched biface is asymmetrical with one side recurved and one convex. The concave area on one side seems to have been used as a spokeshave on wood while the excurvate side seems to have been used to scrape wood since the microbreakage is unifacial. Slight use polish on high points of edge compares to that produced by working wood with experimental specimens. "V" shaped side notches are unusual. Otherwise the biface resembles the Steuben type.
	Bifacial knife proximal (Stone Corner Notched var.)	1	11.1	
	Stemmed biface proximal (Stone Corner Notched)	1	10.8	
	Unstemmed biface proximal (Copena-like)	1	4.6	This essentially triangular point has been much resharpened. It seems to have originally been something like a Copena biface.
	Dart point stem (White River)	1	10.0	Stem expands due to side notches but then contracts immediately below the notch as is typical with many White River bifaces. There are almost burin-like breaks on both sides where the broken blade and margin join and one shows some signs that a soft material was worked. It seems probable that the damage was caused by impact however.
	Bifacial knife proximal (Smith variant)	1	7.4	Basal notches are unusually shallow for the Smith type.
	Dart point stem (Table Rock Stemmed)	1	2.8	
	Bifacial knife (Table Rock variant)	1	7.1	Blade is unusually long for Table Rock type and needle-like tip is not common on Table Rock points (similar to what is often seen on Lange or Big Creek). The chert is not recognized but could be from the Sedalia formation being of the proper color and texture.
	Bifacial knife (Kings Corner Notched)	1	4.4	
	Bifacial knife (Kings Corner Notched)	1	6.7	
	Biface stem (Kings Corner Notched)	1	4.1	

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Site/Provenience	Artifact Description	Ct.	Wt(g)	Comments
	Dart point (Kings Corner Notched?)	1	2.7	This biface is small enough to have been used for an arrow point however the thickness and width of stem suggest it was a small dart point. Kings Corner Notched points are usually Late Archaic but smaller ones seem to have survived into the Woodland. This example is probably Woodland.
	Bifacial knife proximal	1	3.6	This is a distinctive basely (rarely corner) notched biface with sweeping barbs. Basal notches slope inward to form a short expanding stem.
	Bifacial knife	1	4.2	
	Stemmed biface proximal	1	3.1	This biface may be the same as 1-23 and 1-24 but it seems corner notched. Blade is too badly damaged to evaluate for wear.
	Bifacial knife (Stone Corner Notched var.)	1	7.0	
	Bifacial knife proximal	1	7.2	This is a flake that has been bifacially worked and given a short contracting stem with a truncated base. Use polish on existing margin.
	Knife/scrapper	1	12.9	A thin and leaf shaped preform was unifacially beveled on convex proximal end and used a scrapper. Some use polish on edges suggests the tool was also used as a cutting implement.
	Arrow point (Scallora)	1	0.5	
	Arrow point (Scallora)	1	1.0	
	Arrow point (Scallora)	1	0.7	
	Arrow point (Scallora)	1	0.6	
	Arrow point (Scallora)	1	0.6	
	Arrow point (Scallora)	1	0.6	
	Arrow point (Scallora)	1	0.5	
	Arrow point (Scallora)	1	0.5	
	Arrow point (Scallora)	1	0.4	
	Arrow point (Scallora)	1	0.5	
	Arrow point (Sequoyah)	1	0.6	
	Arrow point (Sequoyah?)	1	0.4	Although much of blade is missing the stem is more typical of Sequoyah than Scallora.
	Arrow point (Haskell)	1	0.5	
	Arrow point (Haskell)	1	0.5	
	Arrow point (Sallisaw)	1	0.6	
	Arrow point (Sallisaw)	1	0.6	
	Arrow point (Schild)	1	1.4	
	Arrow point	1	1.6	Resembles the Koster type somewhat but stem is not as expanding and point is tightly thicker. Fairly common in Ozark area.
	Arrow point midsection	2	1.6	
	Arrow point distal	4	1.8	
	Preform	1	9.2	
	Preform	1	3.6	
	Bifacial knife	1	8.1	The rounded tip of this tool shows much use rounding and a bright polish. This type of rounding and polish duplicated by cutting and drilling into soft stone such as tripoli or shal.
	Preform	1	8.9	
	Bifacial drill	1	4.6	
	Preform proximal	1	2.2	
	Preform proximal	1	2.9	Heat has aged.
	Preform proximal	1	3.3	
	Preform	1	4.0	A thick de-cortication flake has been partly flaked but some cortex remains on one side.
	Preform	1	32.1	

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Site/Provenience	Artifact Description	Ct.	Wt(g)	Comments
	Hammerstone	1	117.1	A crude and thick preform of porous poor grade material has battering on one base corner indicating use as a hammerstone.
	Preform	1	8.6	Apparently preform was broken at the notching stage in that a bifurcated stem was roughly delineated. Probably a late stage preform for a Hanna point.
	Bifacial knife midsection	1	13.6	Stem has been broken away just below the shoulders. Angle of notch suggests base notching and therefore a squared stem but one cannot be sure. Probably Late Archaic.
	Bifacial side scraper	1	41.2	
	Flake scraper	1	49.5	
	Bifacial side scraper midsection	1	50.2	
	Bifacial side scraper proximal	1	17.4	
23PO371 Surface - general	Arrow point (Cabokia)	1	1.1	A well-made Cabokia side notched point with deep side notches and small extra notch in parallel sided stem portion below main notches. Made from a high grade Burlington chert possibly Crescent variety.
	Bifacial end scraper	1	38.4	
	Biface midsection	3	5.5	
23PO372 Surface - general	Bifacial knife (Langtry)	1	7.5	One blade margin of this biface has an angular Afton-like outline while the other margin has a strongly excurvate edge. The tip constricts sharply and ends in a sharp point.
	Bifacial knife (Langtry)	1	8.3	The morphology of biface 1-2 is almost exactly the same as 1-1: One Afton-like margin and one excurvate edge. Sharp tip has been broken off.
	Bifacial knife proximal	1	14.2	This is the base portion of a triangular biface with a thickened concave base margin. Use wear polish and microbreakage suggests use of concave base like a spokeshave. Use wear also noted on base edges of tool.
	Preform midsection	3	24.0	The unknown chert is possibly Sedalia chert.
23PO373 Surface - general	Preform midsection	26	297.7	
	Biface midsection	15	71.9	
	Sand-tempered plain body sherd	1	71.9	Large thick sherd broken into two fragments (which fit together).
	Clay-tempered cord marked rim sherd	1	39.9	
	Grit/clay-tempered plain body sherd	9	32.6	One medium sized sherd (5.3 x 3.4 x 1.0 cm) and eight tiny fragments constitute this sample.
	Bifacial knife midsection	1	14.4	
	Flat abrader	1	468.2	Thin elliptical mano with one end damaged. Shallow pit on one face. Well shaped from sandstone.
	Flat abrader	1	341.0	Sandstone mano.
	Bifacial knife (Table Rock variant)	1	9.8	This biface differs from typical Table Rock point in greater thickness and convex or bulb-like base. It resembles the Palmillas type of Texas.
	Dart point (Table Rock Stemmed)	1	3.1	
	Dart point (Table Rock Stemmed)	1	6.5	The stem is well ground on this typical Table Rock point however the one intact blade edge is also ground up to the break. The other margin is damaged.
	Dart point stem (Table Rock Stemmed)	1	1.8	
	Dart point stem (Table Rock Stemmed)	1	1.0	
	Dart point stem (Table Rock Stemmed)	1	1.4	

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Site/Provenience	Artifact Description	Cl.	Wt(g)	Comments
	Bifacial knife (Table Rock Stemmed)	1	6.2	
	Dart point (Table Rock Stemmed)	1	3.7	Impact fracture has eliminated the distal part and carried down one face to the shoulder damaging it. Base of stem not well thinned.
	Bifacial knife (Smith)	1	22.3	
	Bifacial knife base (Smith)	1	3.8	
	Arrow point	1	3.2	The specimen is rather thick for an arrow point and it is possible that it could have served as a dart point. However the hafting area is rather small and it probably was an arrow point.
	Bifacial knife	1	7.3	Dickson (1991:174) reports 4 similar thin specimens from a Late Caddoan context at Albertson in northwest Arkansas.
	Dart point (Table Rock Pointed Stem)	1	10.3	Chapman (1980:313) assigns this type to the Loftin phase of the Village Farmer (Mississippi) Tradition.
	Bifacial knife (Kings Corner Notched)	1	3.6	
	Knife/scrapper (Langtry or Gary)	1	9.4	Because the base part of the contracting stem is missing one cannot tell whether a Langtry or Gary biface is involved. Apparently used for both cutting of soft material and scraping of wet skins.
	Bifacial drill proximal	1	1.8	This is the elliptical base area of perforator. Much bright polish on base due to holding in hand. Tip missing.
	Bifacial drill distal	1	1.3	
	Biface stem (Kings Corner Notched)	1	2.2	
	Stemmed biface proximal	1	11.7	Blade was apparently very wide with excurvate edges so specimen probably functioned as a knife but almost all of blade margins are gone. The wide and thin blade suggests a Woodland affiliation.
	Projectile point/knife (Grand)	1	11.3	
	Stemmed biface	1	6.5	Most of blade edges are damaged so function cannot be evaluated.
	Preform	1	3.6	
	Preform	1	37.2	
	Preform	1	13.3	
	Preform	1	0.8	
	Preform proximal	1	18.2	Preform; with notching just started. A third notch has been made in the blade about 1.5 cm above shoulder on one side. Existing blade edges have preform edge abrading. Texture of stone medium to coarse. Apparently notching ceased due to difficulty of making them.
	Stemmed biface proximal	1	10.1	Specimen apparently broken late in reduction sequence. Stem roughly shaped but not finished. Almost all of margins damaged but existing areas show no use evidence.
	Bifacial knife	1	8.5	Very thin unnotched biface with evidence of use on margins. Apparently not hafted.
	Bifacial side scraper/end	1	16.3	
	Stemmed biface proximal	2	5.8	Apparently both specimens have had very slightly expanding stems and narrow sloping shoulders. Do not conform to a recognized type; and function cannot be evaluated because of fragmentary state.
	Stemmed biface proximal (Copena)	1	11.8	This type biface has more a side constriction near the base than true notching. No evidence of wear on small amount of blade margin present. This may mean it was not used or was broken after last resharpening.

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	Bifacial knife (Rice Side Notched)	1	9.2	
	Unstemmed biface	1	14.6	Apparently the base of a broad lanceolate biface with a concave base. Made of poor quality fossiliferous chert.
	Preform proximal	1	5.4	
	Bifacial knife	1	20.7	One blade margin is convex the opposite is concave. Base is slightly convex. Apparently not hafted.
	Bifacial knife proximal (Copeana)	1	17.6	Biface badly damaged. More of a constriction than true notching near base.
	Stemmed biface (Copeana)	1	8.4	
	Unifacial side scraper proximal	1	26.4	Typical of Middle Woodland although similar specimens are found in Late Woodland.
	Bifacial knife distal	1	8.5	
	Preform proximal	1	86.5	
	Preform	1	55.6	
	Preform	1	1.3	
	Stemmed biface proximal	1	2.0	
	Stemmed biface proximal	1	5.5	This notched fragment is difficult to analyze. Looked at from one angle it seems to be basely notched similar to the Ouachita point but with shallower notches. Looked at from another angle it resembles a corner notched Gibson point but it is too thick.
	Arrow point (Scallorn)	1	0.6	
	Arrow point (Scallorn)	1	0.6	
	Arrow point (Scallorn)	1	1.2	
	Arrow point (Scallorn)	1	1.0	
	Arrow point (Scallorn)	1	0.6	
	Arrow point (Scallorn)	1	0.7	
	Arrow point (Scallorn variant)	1	0.6	
	Arrow point (Scallorn)	1	0.5	
	Arrow point (Scallorn)	1	0.5	
	Arrow point (Alba?)	1	0.3	This small point is partially flaked on one face only. It may have been resharpened since the shoulders flare straight out from above the notches. The stem is bulb-like suggestive of the Alpha type.
	Arrow point	1	0.8	This arrow point differs from Scallorn in having a longer stem which is parallel for two thirds of its length below the shoulders before flaring out.
	Arrow point	1	1.1	This point is made on a curved flake that was worked unifacially. Crude workmanship. Possibly never used.
	Arrow point stem (Scallorn?)	1	0.4	
	Arrow point midsection	2	2.4	Two midsections from arrow points with serrated blade edges.
	Arrow point distal	1	0.2	
	Preform	1	2.8	
	Preform	1	6.4	
23PO374				
Surface - general	Preform	1	146.0	
	Preform	1	151.9	
	Preform	1	190.2	
	Knife/scraper	1	25.9	One excurvate margin shows use polish rounding and microbreakage typical of butchering. The opposite blade edge is concave and unifacially beveled. Damage is unifacial indicating a scraping of firm substance probably hard wood.
	Preform	1	51.2	
	Bifacial knife midsection	3	27.3	
	Core	1	154.7	

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Site/Provenience	Artifact Description	Ct.	Wt(g)	Comments
	Bifacial knife (Afton variant)	1	8.6	This has the typical angular blade edges of the Afton type but the shoulders are unusually narrow and the stem more square than is usual. Very little use wear in the lower concave areas but much use polish and rounding on the tip margins above this. Possibly the haft binding was also in the concave area just above the shoulders and the blade originally was much longer. Enigmatic biface.
	Bifacial knife (Lander Corner Notched)	1	8.2	
	Bifacial end scraper	1	38.3	Both ends of an ovate biface have been unifacially beveled and used as scrapers. Some use polish on unbeveled sides.
	Bifacial end scraper	1	36.1	Much resharpened. Not much use polish or rounding on margins. Apparently not used much after last resharpening.
	Preform midsection	1	33.4	
	Flake knife	1	28.1	An elongated large blade-like flake has much damage on margins indicative of arduous cutting of a hard substance probably bone or antler.
	Bifacial knife (Rice Side Notched)	1	11.4	This specimen has apparently been much resharpened. Only slight polish on blade edges indicates little use since last resharpening.
	Bifacial knife (Rice Side Notched)	1	10.1	
	Bifacial knife (Stone Corner Notched var.)	1	8.2	
	Bifacial knife (Edgewood)	1	7.8	
23PO375 Surface - general	Sandstone & hematite	1	38.7	This is basically a piece of coarse sandstone with quartz sand grains cemented together with ferric material. A thin layer of hematite is noted on one face. This surface is polished possibly from handling. Probable battering at ends may mean the item was used with flint as a fire starting device.
	Bifacial knife (Waubesa)	1	12.5	
	Bifacial knife (Waubesa or Langtry)	1	10.8	Proximal portion of stem missing so exact type cannot be stated.
	Bifacial knife proximal (Dickson)	1	7.5	Only 1.2 cm of blade edge intact but wear on this suggests use as a butchering tool. Biface has been much resharpened & width much reduced.
	Knife/scraper (Lander Corner Notched)	1	19.4	Blade has been resharpened toward the tip and this area shows some polish and microbreakage typical of butchering. The lower blade margins feature a distinct rounding and bright polish typical of scraping of dry hide.
	Dart print stem (Stone Corner Notched)	1	6.3	
	Stemmed biface proximal (Stone Corner Notched)	1	8.0	
	Bifacial end scraper distal	1	32.6	The distal half of a preform has been unifacially beveled to serve as scraper. After last resharpening tool has only been used a limited amount for use polish is light.
	Bifacial knife midsection	1	17.4	Biface probably had a parallel stem because one short barb was formed by a base notch. The other shoulder and all of the stem are missing. Specimen is thin.
	Bifacial knife midsection	3	29.1	
	Preform midsection	2	43.5	
	Flake scraper	1	17.1	
	Unifacial side scraper midsection	1	35.0	

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Site/Provenience	Artifact Description	Ct.	Wt(g)	Comments
	Corc	1	60.9	
	Arrow point (Sallisaw)	1	0.9	
23PO376				
Surface - general	Bifacial knife proximal (Fairland variant)	1	6.5	
	Stemmed biface (Dickson)	1	8.9	
	Bifacial knife (Hardin variant)	1	6.0	This biface has the Hardin shape and ground stem but the edges are not as carefully pressure flaked as typical for the Early Archaic specimens. These are probably Middle Archaic in age.
	Stemmed biface proximal	1	2.0	
	Biface midsection	3	20.8	
	Bifacial knife midsection	3	30.6	
	Preform midsection	3	46.0	
23PO377				
Surface - general	Preform midsection	28	550.9	
	Biface midsection	22	174.7	
	Bifacial knife midsection	4	10.2	
	Stemmed biface edge	2	4.4	
	Axe, 3/4 grooved	1	1268.6	
	Adze (Sedalia-like)	1	68.3	This is an adze typical of the type associated with the Sedalia Complex made from oolitic Jefferson City chert. Much battering on bit. Also there is some polish well up on the blade which resembles soil gloss so the tool may have been used in digging too.
	Preform	1	99.8	
	Preform	1	187.0	
	Preform	1	153.1	
	Preform	1	137.0	
	Preform	1	104.2	
	Preform (Smith)	1	92.9	This significant artifact is the preform for a Smith cutting implement. The base has been thinned and the notches removed. However the blade is thick and roughed out with irregular percussion. This informs about the manufacturing sequence in this Smith example: the base was finished and notched before the blade reduction was developed.
	Bifacial knife (Smith)	1	25.2	
	Bifacial knife midsection (Smith?)	1	16.8	This is a midsection fragment containing one short barb (the other broken) no stem and 2.7 cm of blade margin. Some use rounding and polish on existing edge.
	Bifacial drill	1	18.8	
	Bifacial knife	1	6.1	The workmanship on this square stemmed type is far superior to that noted on Smith Stone Square Stemmed etc. Fine pressure flaking finished and resharpened the biface.
	Projectile point/knife (Table Rock Stemmed)	1	7.0	
	Bifacial knife (Table Rock Pointed Stem?)	1	10.1	The small portion of stem still intact suggests a narrow contracting form or Table Rock Pointed Stem.
	Knife/scrapper	1	2.0	A small biface with rounded very thin tip and small narrow stem. Much polish and slight rounding on tip indicating contact with a soft material probably flesh without bone contact. Brightness of some polish suggests some use as scrapper or defleaser.
	Bifacial knife	1	11.2	This contracting stem form has no shoulders there is a continuous contraction from the junction of blade and stem to the rounded base. Dickson (1991:76) recovered a comparable biface in a Late Archaic context at the Albertson site.

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Site/Provenience	Artifact Description	Qt.	Wt(g)	Comments
	Bifacial knife (Dickson)	1	7.9	This point has been resharpened to exhaustion with blade incurved and a short point at the distal end. This short tip may also have been used to perforate soft material since some use polish is present on it. The wide shoulders have been broken off.
	Bifacial knife proximal (Dickson)	1	7.5	
	Projectile point/knife (Standlee)	1	13.0	Apparently used as dart point after resharpening reduced size
	Bifacial knife (Langtry)	1	8.2	
	Bifacial knife proximal (Langtry)	1	6.9	
	Knife/scraper proximal (Rice Side Notched)	1	10.7	
	Stemmed biface proximal (Rice Side Notched)	1	4.2	
	Bifacial knife proximal (Rice Side Notched)	1	6.7	Specimen is exhausted. Resharpening has removed all shoulders and essentially all of blade is missing. Stem cannot be measured.
	Bifacial knife (Table Rock variant)	1	2.4	
	Arrow point stem	1	1.3	
	Bifacial knife proximal (Stone Corner Notched var.)	1	13.0	
	Bifacial knife (Afton)	1	7.8	The angular blade margin typical of Afton is seen only on one side. This angle has been removed by resharpening on the opposite blade margin. Small Afton point.
	Dart point stem (Stone Corner Notched var.)	1	8.7	
	Biface stem (Big Creek)	1	9.4	
	Stemmed biface (Big Creek)	1	8.0	
	Bifacial knife (Big Creek variant)	1	5.2	
	Stemmed biface proximal (Smith)	1	15.5	
	Bifacial knife	1	5.6	This type of biface was found in a Late Archaic context at the Albertson shelter (Dickson 1991: 77) where it was labeled LA-5 and functioned as a cutting tool.
	Projectile point/knife	1	9.1	One shoulder both tangs and the tip are missing and a chunk is missing from one blade margin. Some use polish can be seen and probable impact fracture is noted on the tip. Shallow side notches were placed above a convex base. Point is not very diagnostic. Possibly it is Middle Archaic but not sure.
	Arrow point (Scallora)	1	1.3	
	Arrow point (Sequoyah)	1	0.9	
	Arrow point (Scallora)	1	0.7	
	Arrow point (Fresno)	1	1.1	
	Arrow point distal	1	0.3	
	Hematite	1	27.0	
	Flat abradar	1	764.2	D-shaped milling stone or mano of hard purple sandstone. Edges pecked one side smoothed.
	Preform	1	17.1	
	Preform	1	40.8	
	Bifacial knife (Red Ochre variant)	1	35.9	A good example of the Red Ochre except for the slightly convex base. Red Ochre bifaces usually have flat base. Much use rounding and polish on edges.
	Preform	4	46.3	
	Bifacial end scraper	1	13.7	
	Bifacial end scraper distal	1	9.8	

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Site/Provenience	Artifact Description	Ct.	Wt(g)	Comments
	Unifacial end scraper	1	61.5	Each end of a small tabular piece of chert has been unifacially beveled. The last use of one end has been to scrape a gritty substance possibly dried pottery. The edge is smoothed and rounded but with no microbreakage. The opposite end has seen less use for a similar purpose.
	Unifacial side scraper distal	1	40.7	
	Chert notched	1	11.5	
23PO378				
Surface - general	Preform midsection	8	91.6	
	Bifacial knife (Stone Corner Notched var.)	1	5.3	
	Preform proximal	1	2.9	
	Biface stem	1	4.6	
	Bifacial knife proximal	1	4.2	
23PO379				
Surface - general	Bifacial knife (Grand)	1	12.0	
	Bifacial knife proximal (Big Creek)	1	10.1	
	Dart point stem (White River)	1	6.6	
	Stemmed biface proximal	1	3.0	Shape of specimen is triangular with tip gone. Some edge abrading and polish from rubbing on face. Could be either the base of a perforator or the exhausted remnant of a completely exhausted cutting implement.
	Bifacial knife midsection	2	25.1	
23PO380				
Surface - general	Stemmed biface proximal (Dalton)	1	2.9	This is the proximal 1.9 cm of hafting area. Both tangs damaged. Heavily ground stem margins.
	Projectile point/knife (Big Creek)	1	16.0	
	Stemmed biface proximal (Big Creek)	1	15.1	
	Biface stem (Big Creek)	1	5.6	
	Stemmed biface proximal (Table Rock variant)	1	3.5	
	Bifacial knife proximal (Smith)	1	18.4	
	Bifacial knife (Waubesa)	1	16.8	
	Bifacial knife proximal	1	18.7	
	Preform midsection	5	96.5	
	Bifacial knife (Rice Side Notched)	1	8.1	
	Bifacial knife (Rice Side Notched?)	1	9.3	
	Projectile point/knife (Rice Side Notched)	1	6.9	
	Dart point stem	1	6.0	Point was probably square stemmed but shoulders are gone and impact fracture intrudes into stem area. Length of stem cannot be determined.
	Preform	1	55.1	
	Adze	1	60.1	
	Adze midsection	1	26.4	
23PO381				
Surface - general	Bifacial knife (Rice Side Notched)	1	7.8	
	Bifacial knife (Dalton variant)	1	11.9	
	Bifacial knife distal	10	64.3	Miscellaneous biface fragments.
	Preform	19	616.3	
	Bifacial knife midsection	4	23.7	
	Biface stem	3	14.8	
	Preform distal	8	118.4	
	Preform proximal	1	17.1	
	Bifacial knife	1	10.6	
	Bifacial knife proximal	1	25.0	Unfinished preform for a contracting stem biface.
	Preform	1	3.5	Arrow point preform.
	Preform	1	3.8	This is a small bipoined preform similar to those used for Nodena points. However this is northwest of the area where Nodena points are frequently found.

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Site/Provenience	Artifact Description	Ct.	Wt(g)	Comments
	Bifacial knife	1	83.7	A very thick and crude percussion flaked biface with some abrasion and use polish appearing on irregular margins.
	Adze	1	71.1	
	Flake scraper	1	16.1	A medium thick egg-shaped decortication flake has had all margins unifacially pressure flaked to produce a scraper. It is wider than most Late Prehistoric scrapers and thus is probably of Woodland origin. Use rounding is distinct in places and polish can be seen on all parts of the margin.
	Unifacial end scraper	1	18.4	Not used much.
	Bifacial knife	1	34.9	This lanceolate biface is parallel sided most of its length and then tapers to a rounded point. It probably has been hafted.
	Bifacial knife (Stone Corner Notched)	1	16.3	
	Bifacial knife (Smith?)	1	19.7	
	Bifacial knife (Ensor)	1	6.5	
	Dart point (Big Creek)	1	10.0	
	Bifacial knife (Ensor)	1	7.0	All but small section of blade margin damaged or missing. Heat-produced pollid fracture on one face.
	Bifacial knife proximal (Steubea)	1	7.9	
	Bifacial knife (Table Rock Pointed Stem)	1	6.1	
	Bifacial knife (Table Rock Pointed Stem)	1	5.5	
	Bifacial knife proximal (Smith-like)	1	9.3	
	Bifacial knife	1	3.0	This biface is small enough to be classified as an arrow point but the stem is thicker than usual for arrow point. The shape resembles the Fairland of the Late Archaic and it may be a small much resharpened example.
	Dart point	1	2.8	An example of this small biface was found in a Middle Woodland context at Albertson (3BE174) (Dickson 1991:95). Specimen features a short bifurcated stem and originally had long barbs.
	Dart point	1	2.2	This is the same type as 1-28 and was also used as a dart point.
	Stemmed biface proximal (Kings Corner Notched)	1	2.8	This is a very small Kings Corner Notched point and may be Woodland in age. The blade margins are too damaged to evaluate for function.
	Bifacial knife proximal	1	3.1	This is a very small biface with beveled blade and small square stem (damaged) that is as narrow as many arrow point stems.
	Bifacial knife proximal	1	10.1	A very short parallel stem and thick crudely worked blade.
	Bifacial knife proximal	1	6.8	This biface has a very long and narrow but crudely made stem.
	Bifacial knife midsection (Big Creek or Stone Corner Notched)	1	12.3	
	Bifacial knife midsection	1	11.4	
	Bifacial drill	1	5.3	A side-notched biface has been broken at an angle and reworked into a perforator.
	Arrow point (Reed)	1	0.6	
	Arrow point (Reed)	1	0.5	
	Arrow point (Washita peao)	1	0.6	
	Arrow point (Fresno variant)	1	0.6	
	Arrow point (Scallorn coryell)	1	2.0	
	Arrow point (Scallorn coryell)	1	0.6	
	Arrow point (Scallorn satler)	1	0.5	
	Arrow point (Scallorn eddy)	1	0.8	
	Arrow point (Scallorn eddy)	1	0.4	
	Arrow point (Scallorn satler)	1	0.6	
	Arrow point (Sequoyah)	1	1.0	

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Site/Provenience	Artifact Description	Ct.	Wt(g)	Comment
	Arrow point (Sequoiah)	1	0.6	
	Arrow point (Sequoiah)	1	0.7	
	Arrow point (Sequoiah)	1	0.7	
	Arrow point (Scallorn coryell)	1	1.4	
	Arrow point midsection	1	0.8	
	Arrow point tip	1	1.0	
	Arrow point tip	1	0.6	
23PO382 Surface - general	Projectile point/knife (Dickson variant)	1	12.1	This biface resembles the Dickson point except for more stem grinding than is typical and the deeply concave truncated contracting stem.
	Bifacial knife tip	4	14.2	
	Biface midsection	1	6.8	
	Preform proximal	1	51.8	Very wide and thin.
	Adze fragment distal	1	22.6	This adze is probably Woodland since the shape is typical of that time period and the chert is heat treated.
	Knife/scrapper distal	1	14.2	One bifacially beveled margin shows some use as a cutting tool; the other edge unifacially beveled has been used as a scrapper.
	Projectile point/knife (Smith)	1	16.6	
	Dart point stem (Table Rock variant)	1	4.7	Impact scar extends into stem. All of blade edges damaged.
	Bifacial knife	1	10.5	Stem is formed by breaks along side at proximal end. Blade is asymmetrical and damaged by bone contact. Rather nondescript biface.
23PO383 Surface - general	Preform	61	909.3	
	Biface midsection	12	63.3	
	Bifacial knife tip	11	55.4	
	Chopper	1	175.7	Stream cobble has been bifacially altered to produce two chopping edges. Some use battering appears on one edge. Some cortex remains on both faces.
	Bifacial knife	1	31.7	This is the base half of a large leaf-shaped biface.
	Unifacial end scraper	1	13.3	A saub-nosed scraper.
	Bifacial knife proximal	1	19.5	
	Bifacial knife proximal	1	21.5	
	Bifacial drill proximal	1	3.3	A portion of the base and midsection from an ovate(?) perforator.
	Bifacial drill proximal	1	10.0	The round base and 2 cm of parallel sided perforator. These parallel sides are well ground or abraded by intent or use.
	Dart point (Godar)	1	10.2	
	Bifacial knife	1	9.1	
	Stemmed biface proximal (Kings Corner Notched)	1	4.8	
	Dart point (Kings Corner Notched)	1	4.8	
	Bifacial knife (Kings Corner Notched)	1	4.7	
	Projectile point/knife proximal (Kings Corner Notched)	1	3.7	
	Projectile point/knife (Kings Corner Notched)	1	2.2	This is a Kings Corner Notched biface small enough to have served as an arrow point. However it probably was a small dart point also used slightly as a cutting tool.
	Bifacial knife (Kings Corner Notched)	1	2.7	This is a very small Kings Corner Notched biface probably Late Woodland apparently used as cutting tool. Made from glassy high grade Jefferson City chert.
	Stemmed biface proximal (Kings Corner Notched)	1	1.7	

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Site/Provenience	Artifact Description	Ct.	Wt(g)	Comments
	Dart point (Kings Corner Notched var.)	1	2.3	These small examples of Kings Corner Notched feature much shorter stems and smaller size than do Late Archaic examples. Some are small enough to have served as arrow points.
	Bifacial knife (Kings Corner Notched var.)	1	2.2	
	Bifacial knife (Kings Corner Notched var.)	1	2.4	
	Projectile point/knife (Kings Corner Notched var.)	1	2.3	
	Bifacial knife (Kings Corner Notched var.)	1	2.0	
	Stemmed biface proximal (Kings Corner Notched var.)	1	33.3	
	Bifacial knife (Kings Corner Notched var.)	1	2.2	
	Bifacial knife (Fairland variant)	1	2.5	This small cutting implement has the shape of a Fairland biface but it is much smaller in size than is typical. Resharpener has reduced size somewhat however.
	Dart point (Kings Corner Notched var.)	1	2.2	
	Stemmed biface proximal (Table Rock variant)	1	1.9	A small specimen.
	Stemmed biface proximal (Table Rock variant)	1	1.6	This biface has unusually short stem for Table Rock type and barbs are rare on the type too. All of blade edges damaged or missing so function cannot be evaluated.
	Biface midsection (Kings Corner Notched?)	1	2.2	Point is broken just above shoulders and below them. Narrow neck and long barbs are typical of Kings Corner Notched.
	Arrow point (Scalloped suttler)	1	0.7	This small arrow point is a diminutive copy of Kings Corner Notched bifaces. Size and technique of manufacture suggests Late Woodland.
	Arrow point (Sequoyah)	1	1.1	A small portion of proximal part of base is missing. An attempt has been made to rework it.
	Bifacial knife (Waubesa)	1	7.9	
	Projectile point/knife	1	8.2	A Middle Archaic square stemmed point resharpened to exhaustion.
	Dart point	1	2.2	Specimen with short squared stem has been resharpened to exhaustion. Last use seems to have been as a dart point.
	Bifacial end scraper proximal (Big Creek)	1	6.3	A Big Creek point has been broken at the shoulders leaving only the stem. The base has been unifacially beveled and used as a scraper.
	Bifacial knife proximal	1	3.0	Specimen badly damaged by heat (potlid fracture) and by breakage. Original shape and type cannot be determined.
	Stemmed biface proximal (Smith?)	1	14.8	Specimen was probably a cutting tool broken by heat (potlid fractures). Last use was as a scraper of a soft but gritty material such as soft stone or even hard clay.
	Bifacial knife proximal	1	12.2	
	Dart point proximal (Smith variant)	1	8.9	
	Bifacial knife proximal	1	10.1	
	Biface stem	2	15.7	
	Bifacial knife midsection	1	3.0	
	Preform	1	17.8	
	Preform	1	7.9	
	Preform	1	19.6	
	Bifacial end scraper	1	16.3	A broken preform has been unifacially worked on the proximal end to form a scraper.
	Flake scraper	1	5.6	A roughly rectangular shaped end of a flake has use wear around three margins. The other margin is a break.

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Site/Provenience	Artifact Description	Cl.	Wt(g)	Comments
23PO384 Surface - general	Bifacial knife	1	34.8	The broad heat treated well made biface tip suggests Woodland.
	Bifacial knife (Stone Corner Notched)	1	11.3	
	Bifacial knife proximal (Castroville-like)	1	5.7	
	Bifacial knife tip	1	8.4	
23PO385 Surface - general	Knife/scrapper (Snyders)	1	20.7	This was a large thin Snyders point. All original margins are missing but one section margin has been reworked uniaxially and used as a scrapper.
	Bifacial knife tip	2	13.9	This perforator has a "D-shaped" base with the flat part of the "D" serving as the proximal part.
	Biface stem	1	2.4	
	Preform proximal	2	28.2	
	Bifacial drill proximal	1	7.5	
Preform proximal	1	46.5		
23PO386 Surface - general	Bifacial knife proximal	1	10.9	A portion of a rare Early Middle Archaic biface with deep base notches a recurved base rounded shoulders and thin excurvate blade. Marshall (1958:161) illustrates an example as K8.
	Projectile point/knife (Hardin)	1	16.3	The Hardin point is common along the Mississippi River but is rare in the Stockton area.
	Bifacial knife stem (Gibson)	1	8.8	Usual function for Gibson point.
	Hammerstone	1	260.6	A much used and very round hammerstone made from a very hard sandstone.
	Bifacial knife distal	2	17.7	Large fragment from a thick mussel shell with eroded surface.
	Preform edge	2	16.0	
	Mussel shell	1	38.2	
23PO387 Surface - general	Biface stem	1	7.8	This could be from a Langtry or Dickson biface.
	Preform midsection	2	27.4	Part of it has been ground and polished and part has been flaked. It may have broken from an axe or other tool and was reworked by knapping.
	Hematite	1	47.6	
	Bifacial knife distal	1	5.1	
23PO388 Surface - general	Preform midsection	11	180.3	
	Preform base	3	62.3	
	Bifacial knife (Marcos-like)	1	13.6	
	Biface midsection	3	10.3	
	Dart point proximal (Kings Corner Notched)	1	4.2	
	Biface tip	4	26.9	
	Biface stem (Big Creek)	1	6.5	
	Stemmed biface proximal (Table Rock variant)	1	1.9	
	Bifacial knife	1	9.1	
	Stemmed biface proximal	1	3.9	
	Stemmed biface proximal (Fairland variant)	1	2.9	
	Bifacial knife (Standlee)	1	13.9	
	Preform	1	14.2	
	Arrow point (Sequoyah variant)	1	0.7	
Arrow point (Sequoyah variant)	1	1.1		
23PO389 Surface - general	Bifacial knife (Dickson)	1	7.7	
	Bifacial knife (Standlee)	1	14.6	

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Site/Provenience	Artifact Description	CL	Wt(g)	Comments
	Bifacial knife	1	7.0	Unnamed type with stem more basely concave than Langtry and less shouldered. Similar points were recovered from Woodland levels at the Albertson site (3BE174)(Dickson 1991:94-96).
	Bifacial knife (Kings Corner Notched)	1	4.2	
	Bifacial knife	1	7.7	
	Preform midsection	2	17.8	
	Bifacial knife midsection	2	10.1	
23PO390				
Surface - general	Bifacial knife distal	1	20.6	
	Preform midsection	4	87.5	
	Bifacial knife distal	1	5.9	
23PO391				
Surface - general	Bifacial knife	1	5.7	Unusual biface with angular base notches forming a short stem with a recurved base. Probably Archaic but examples have not been found in dated context.
	Preform midsection	4	77.5	
	Bifacial knife	1	3.7	This biface does not fit into any named type. It features characteristics of the Table Rock point but has a more expanding stem. It also resembles the Steuben point except the notches are too narrow.
	Bifacial knife proximal (Fairland)	1	3.9	
	Stemmed biface proximal	1	2.5	The low side notches are deepest near the shoulders.
	Biface midsection	2	11.8	Each fragment has one notch in it but it is unclear regarding other notches or even shape.
	Bifacial drill midsection	1	1.0	
23PO394				
Surface - general	Full grooved axe	1	321.0	Axe made from a very hard sandstone. Groove averages 1.3 cm wide and 0.3 cm deep.
	Flat abradar	1	530.2	Well made from sandstone. One end damaged.
	Limestone	1	132.2	Rounded piece of weathered limestone roughly shaped like a celt.
	Unmodified tripoli	1	229.2	A rounded stream tumbled rock possibly intended to be used as a hammerstone but no evidence use.
	Preform midsection	25	424.0	
	Preform	1	49.8	A large and thin leaf-shaped late stage preform with no evidence of use. Edges very sharp.
	Adze distal	1	13.3	A small adze has the proximal end or poll missing. Much use rounding on bit.
	Adze distal	1	35.5	The ventral face near the bit has brilliant wood polish probably from working charred wood. The dorsal edge which has been resharpened unifacially has moderate polish. Poll has been broken and an attempt has been made to rework the break by percussion probably to assist in hafting and continuing to use the distal part.
	Flake scraper	1	41.3	A thick decortication flake has been unifacially beveled to form a scraper. Part of working edge has not been used after last resharpening.
	Bifacial end scraper distal	1	45.2	A thick ovate biface has been bifacially sharpened and used as a wood scraper. Unifacial microbreakage is too extreme for scraping skins.
	Bifacial knife midsection	15	85.8	

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Site/Provenience	Artifact Description	Ct.	Wt(g)	Comments
	Bifacial knife tip	14	70.1	
	Bifacial knife midsection	1	15.7	This is the beveled and serrated midsection from a large Dalton or Rice biface. Some tip damage can be seen.
	Biface stem	3	10.6	
	Preform	1	35.9	
	Aborted preform	1	54.3	
	Bifacial end scraper distal	1	11.7	
	Biface midsection	1	12.3	A midsection from biface has been pressure flaked unifacially along one edge and one corner to form a scraper. Light use wear is apparent.
	Bifacial knife proximal (Jakie)	1	14.6	Jakie biface has serrations on convex blade margin. The other margin is concave.
	Knife/scraper (Jakie)	1	15.9	The distal part of a Jakie point has been unifacially rounded and beveled to form a scraper. Use polish on both straight edges and on beveled edge.
	Burin proximal (Jakie)	1	8.0	A Jakie point broken transversely across blade has been burinated at the break-edge junction on both sides removing edges. Light use wear is noted on chisel edge. Burins are common in the Middle Archaic.
	Bifacial knife proximal (White River)	1	10.6	
	Bifacial knife proximal (Waubesa)	1	7.1	
	Stemmed biface proximal	1	17.1	
	Knife/scraper proximal	1	29.4	A thick knot was not removed from one edge. Type is unnamed but fairly common. It is a wide contracting stem with almost no shoulders. Specimens are often over 10 cm in length.
	Bifacial knife (Smith)	1	16.0	
	Bifacial knife (Dickson)	1	14.9	
	Bifacial knife proximal (Table Rock Stemmed)	1	7.3	
	Bifacial knife proximal (Steuben variant)	1	8.4	
	Bifacial knife (Steuben variant)	1	13.0	
	Bifacial knife proximal (White River)	1	4.9	
	Projectile point/knife proximal (White River variant)	1	3.3	Tangs are slightly more rounded than is usual on White River bifaces.
	Projectile point/knife (Duncan)	1	5.8	
	Stemmed biface (Steuben)	1	13.4	Apparently corner was broken off during final notching of biface. This prevented hafting so biface was not used.
	Bifacial knife proximal (Rice Side Notched)	1	8.1	
	Bifacial knife proximal (Rice Side Notched)	1	4.7	
	Dart point (Rice Side Notched)	1	7.5	
	Stemmed biface proximal (Steuben)	1	6.7	
	Bifacial knife (Steuben variant)	1	9.6	One notch consists of a half moon-shaped accidental break.
	Dart point (Rice Side Notched)	1	7.5	Most Rice Side Notched bifaces served as knives at least early in the use cycle. However edges are all damaged due to impact so wear does not appear now (if it once existed)
	Bifacial knife proximal (Rice Side Notched)	1	7.8	There is only about 0.5 cm of undamaged blade on one margin. This area exhibits use rounding and polish but this is an unsatisfactorily small area to evaluate for function.
	Projectile point/knife proximal (Rice Side Notched)	1	5.9	
	Bifacial knife	1	3.0	This biface is small enough to be an arrow point however it is too thick and beveling is not usually found on arrow points.

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Site/Provenience	Artifact Description	Ct	Wt(g)	Comments
	Preform proximal	1	16.9	This is probably a preform for a Rice Side Notched biface.
	Projectile point/knife	1	1.4	This is a very small biface. Shape is like a San Patrice but there is no stem grinding and size is too small. Similar bifaces were recovered from the Middle Woodland at Albertson (category MW-2) where they seemed to function as dart points (Dickson 1991:95). This biface is small enough to have served as an arrow point.
	Preform	1	3.0	This is a preform for an arrow point.
	Arrow point (Sallisaw variant)	1	0.8	
	Arrow point (Keota)	1	0.8	
	Arrow point (Huffaker)	1	0.8	This is basically a triangular arrow point with a deep notch placed on each side 0.8 cm above the base and a shallow notch placed on each side in the center of the slightly expanding hafting area. Classic Huffaker not a Cabokia point.
	Arrow point (Reed)	1	0.8	The hafting area on this Reed point is parallel below the two narrow but deep notches.
	Arrow point (Scallorn eddy)	1	1.1	
	Arrow point (Scallorn eddy)	1	0.8	
	Arrow point proximal (Scallorn coryell)	1	0.8	
	Arrow point proximal (Scallorn)	1	0.9	
	Arrow point proximal (Scallorn?)	1	0.7	
	Arrow point proximal (Fresno)	1	0.9	
	Bifacial knife distal	1	3.0	
23PO395	Surface - general			
	Flat abrader	1	328.2	
	Bifacial knife proximal (Dickson)	1	12.7	
	Preform edge	7	138.6	
	Bifacial knife midsection	8	67.2	
	Bifacial knife distal	5	21.7	
	Bifacial knife (Lander Corner Notched)	1	5.5	
	Stemmed biface proximal	1	17.3	Possibly intended to be a Dickson point the specimen was broken late in the reduction sequence and was apparently never used.
	Arrow point (Schild)	1	0.8	
	Bifacial knife proximal (Lander Corner Notched)	1	10.0	
	Projectile point/knife proximal (Table Rock Pointed Stem)	1	7.4	
	Bifacial knife	1	10.0	This biface could not be classified because the shoulder areas were damaged too much. It is probably either Langtry or Dickson.
	Bifacial knife proximal (Stone Corner Notched)	1	14.4	
	Dart point proximal (Rice Side Notched)	1	6.1	
	Bifacial knife (Rice Side Notched variant)	1	6.0	
	Stemmed biface proximal	1	6.2	The specimen does not fit into any named corner notched type although it resembles the Grand type vaguely.
	Preform distal	1	36.7	
	Aborted preform	1	53.0	
	Hoe chipped (Sedalia digger)	1	63.8	Chapman (1975:200) describes Sedalia diggers from the Northwest Prairie Region. They are found in the Stockton area too.
	Core	1	87.3	
	Grit-tempered roughened red slipped	1	33.7	This sherd seems to have been pecked all over with some irregular object to roughen the surface while the clay was plastic and before slipping. Grit is mostly chert.

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Site/Provenience	Artifact Description	Ct.	Wt(g)	Comments
	Clay-tempered roughened body sherd	1	27.3	This sherd has been broken into two pieces that fit together. The surface was roughened with some irregular object while still pliable.
23PO396				
Surface - general	Arrow point (Fresno)	1	1.3	This is an unusually long and well made triangular arrow point.
	Preform	4	62.4	Four undiagnostic preform fragments.
	Bifacial knife midsection	1	4.0	A rectangular biface fragment consisting of one shoulder and 1.6 cm of blade edge.
23PO397				
Surface - general	Bifacial knife proximal (Dickson variant)	1	4.8	Stem is slightly shorter than is usual on Dickson bifaces.
	Stemmed biface proximal (Table Rock variant)	1	12.8	Resembles Table Rock but all edges are missing or are too damaged to evaluate for function. About half of base is missing.
	Preform	2	35.7	
	Bifacial knife distal	1	2.4	
23PO410				
Surface - general	Bifacial knife midsection	1	13.3	
	Aborted preform proximal	1	9.8	This late stage preform was thinned fully at the base but was broken and aborted when removal of a thick place on the stone near the tip was unsuccessful.
	Mussel shell	1	7.7	Roughly triangular shaped piece of shell has rounded edges from erosion of outer surface. This is probably natural.
23PO411				
Surface - general	Preform	1	126.0	
	Preform distal	1	17.9	
23PO412				
Surface - general	Flake knife	1	50.1	This roughly rectangular flake is large and thin at one end. Much use wear and polish appear on the thin end.
	Bifacial knife proximal (Kings Corner Notched)	1	6.1	
	Projectile point/knife proximal (Big Creek)	1	7.9	
	Preform	1	2.9	This is a small slightly asymmetrical preform for an arrow point. It has been used briefly as a knife.
	Biface stem (Table Rock Stemmed)	1	0.8	The slightly expanding heavily ground stem is typical of that found on Table Rock specimens. Only the proximal part is present.
	Arrow point proximal (Sallisaw)	1	1.1	One tang is damaged. Arrow point is made from quartzite.
	Arrow point proximal (Scallorn)	1	1.0	
	Arrow point distal	1	0.6	Stem broken immediately below shoulders.
	Bifacial knife distal	1	1.1	
23PO415				
Surface - general	Bifacial knife	1	30.5	This well made biface may be a preform for a type like the Kings Corner Notched.
	Preform	1	129.0	This crude biface is made of poor quality chert. The form resembles that of a core but the chert is of a quality that would not produce good usable flakes.
	Bifacial knife distal	2	13.6	
	Preform midsection	3	43.7	
	Preform proximal	1	54.6	Biface has broken during reduction for unknown reasons. Striking platforms had been beveled to further reduce the preform.
	Preform proximal	1	33.6	A preform was being fashioned from a large flake when it was broken for unknown reasons. A striking platform had been beveled and ground on one edge to assist reduction.

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Site/Provenience	Artifact Description	Cl.	Wt(g)	Comments
23PO416 Surface - general	Stemmed biface proximal (Stone Corner Notched?)	1	10.5	
	Bifacial knife distal	5	39.9	One biface tip is made from an unusual purple quartzite.
	Arrow point (Scallorn eddy)	1	0.9	
	Arrow point proximal (Scallorn)	1	0.8	
	Arrow point proximal (Sequoyah)	1	0.9	
	Arrow point (Huffaker variant)	1	0.7	The notch in the base is unusually wide but otherwise the point is typical of the Huffaker type.
	Bifacial knife proximal	1	9.4	This is a nondescript stemmed point with a large unremoved knot on one face. The specimen was used as cutting tool in spite of the knot.
	Stemmed biface proximal (Big Creek?)	1	3.4	This specimen consists of one stem margin and part of the base.
	Stemmed biface proximal	1	4.1	This is a contracting stem from biface broken immediately above the shoulders. Probably one tang was damaged and the area was reworked forming protrusion on one side of the stem. It is impossible to determine the original shape with assurance but it probably was either Langtry Dickson or Standlee.
		Bifacial knife midsection	1	4.2
23PO417 Surface - general	Bifacial knife	1	74.0	This biface is well made considering the coarse texture of the heat-treated chert. Use polish and rounding goes all around the margins including the base. The shape is elongated leaf-shaped or egg shaped. Probably this was a preform which was used as a cutting tool. This preform shape is common in the Late Archaic but can be found in other contexts as well.
	Stemmed biface proximal (Stone Corner Notched)	1	5.4	Specimen is broken just above the shoulders.
	Preform proximal	1	49.9	Rounding on specimen seems to be preform abrasion. Preform seems to have been broken during reduction.
	Preform proximal	1	42.9	Basal portion of late stage preform broken due to a large fossil in the area at the break.
	Preform proximal	1	20.4	This specimen probably being knapped from a crooked flake may be the preform for a Woodland Rice Side Notched biface. There is evidence of heat damage on specimen (pitted fractures).
23PO418 Surface - general	Bifacial knife proximal (Dalton)	1	5.0	This Dalton biface has been resharpened bifacially. Some serrations still exist on blade edges. A large pitted fracture can be seen on one face so specimen was probably broken by heat.
	Bifacial drill midsection	1	8.4	This biface seems to be a portion of the base and distal portion of a perforator. Any use wear would appear on the missing distal portion but morphology suggests a perforator.
	Bifacial knife midsection	1	4.1	Beveled blade with slight serrations suggests the Early Archaic. Type was probably Dalton but it could have been Rice or Breckenridge.
	Bifacial knife proximal (Kings Corner Notched)	1	2.8	Part of the tip and a small portion of blade edge has been broken from one side of this biface.

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Site/Provenience	Artifact Description	Ct.	Wt(g)	Comments
23PO419 Surface - general	Dart point stem (White River variant)	1	2.3	Impact fracture has removed most of the blade and shoulders. The side notches have been executed lower on the biface than usual for the White River type.
	Preform proximal	2	24.8	
	Bifacial knife midsection	3	14.8	
	Flat abrader	1	471.2	An elliptical muller has a portion of one edge missing. On each face is a 2.5 x 3.0 cm pit 0.2 cm deep. Some smoothing from use can be seen on broad faces while pecking is noted on the edges. Made from hard tan sandstone.
	Arrow point	1	1.6	This is a rare arrow point with its unusually wide blade strong barbs and distinctive base. Four examples of this category were recovered from an Early Caddoan context at the Albertson site (3BE174) in Benton County Arkansas (Dickson 1991:144).
23PO420 Surface - general	Stemmed biface proximal	1	7.7	Twelve examples of this biface were found in Woodland levels at the Albertson site (3BE174) Benton Co. Arkansas. Most of them were used as dart points (Dickson 1991:94). Slight use rounding on the edge of this specimen suggests cutting. However the tip is missing due to heat breakage and cannot be examined for impact fracture. The type resembles the Kratzer type of Illinois.
	Preform midsection	7	88.1	
	Stemmed biface proximal	1	2.0	Half of the stem on one shoulder and 1.0 cm of blade margin represents an unnamed (possibly unfinished) biface.
	Bifacial knife midsection	1	2.0	
	Bifacial knife distal	1	6.2	
	Flat abrader	1	602.0	This elliptical milling stone features one convex and one flat face with a 3.5 x 2.5 x .5 cm pit in it. Function of the pit unknown. Made from hard tan sandstone.
	Knife/scrapper distal (Harabey Knife)	1	27.0	This is about one third of a broad probably elliptical early stage Harabey knife with beveling started on both the right and left sides of one face. One end is missing. Much use wear and rounding can be noted on the beveled areas.
	Bifacial knife midsection	1	14.6	This is a very long midsection from either a lanceolate or double pointed biface.
	Bifacial knife (Dickson)	1	10.6	
	Bifacial knife proximal	1	14.4	This unusual biface probably has had the stem reworked. Originally it incurred evenly down to the straight base but it seems to have been damaged and reworked to form a parallel sided stem oriented to one side. Since this possible reworking is unifacial it could also represent plow damage.
Flake knife	1	9.9	This is a fairly thick flake that has been modified mostly unifacially into a cutting implement with a triangular shape. Edges around the three sides have been unifacially beveled. Only slight use polish can be seen on these edges.	
	Preform proximal	6	123.1	

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Site/Provenience	Artifact Description	Ct.	Wt(g)	Comments
	Knife/scraper (Kings Corner Notched var.)	1	9.9	This biface is more basely notched than is usual for Kings Corner Notched bifaces. The tip has been unifacially worked into an end scraper and one edge has been unifacially worked into a side scraping margin. The other edge has been bifacially reworked and has been used for cutting.
	Bifacial knife distal	1	11.8	
	Unstemmed biface proximal	1	10.3	
	Arrow point proximal (Scallorn?)	1	0.9	Although the base of the expanding stem is missing, the point is probably a variety of Scallorn. The tip is simply snapped and is missing. No clear evidence of impact fracture.
23PO421	Arrow point (Scallorn coryell)	1	1.0	
Surface - general	Bifacial knife (Smith)	1	27.1	
	Bifacial knife (Smith variant)	1	24.3	Stem is not quite as well made as on a typical Smith. There is not much use wear on blade. Apparently it was not used much after last resharpening.
	Bifacial knife distal	2	15.3	
	Preform midsection	1	13.7	
23PO422	Aborted preform	1	261.7	This is a crudely worked piece of poor grade chert aborted due to a thick "knot" on one face.
Surface - general	Flat abrader	1	575.4	This elliptical thin mano is made from hard tan sandstone. Slight damage (plow?) on one end. One face is convex and smooth from use while the other is almost flat with a faintly pitted area in the center.
	Projectile point/knife proximal (Snyders)	1	13.9	Apparently this point was used as knife until resharpening reduced size and then used as a dart point. Dart point function is unusual for Snyders.
	Preform distal	4	117.8	One fragment has unifacial beveling and some abrasion on the edge. The other fragments were not abraded.
	Bifacial knife distal	10	58.6	
	Projectile point/knife proximal (Snyders)	1	12.9	Base of Snyders with sharp tangs. Shoulders are damaged and much resharpened blade has strong impact fracture. Normally Snyders points are cutting tools but this one was used as dart point after resharpening reduced size and width.
	Bifacial knife (Standlee)	1	17.8	The blade of this biface is angular like an Afton on one edge while it has two angular areas on the other margin. Heavy grinding of stem and angularity of blade suggest the Terminal Archaic but the basic form is found in the Woodland also.
	Bifacial knife distal	1	10.6	A thin biface has contracting stem with missing base. There is no way to tell whether the base was rounded or truncated.
	Projectile point/knife proximal (Table Rock Pointed Stem)	1	4.2	Biface made from a tan and greenish-gray Reeds Spring chert from the Stone-Taney County area of Missouri or Madison County AR.
	Bifacial knife	1	20.1	Made from a fine textured Greenish-gray Reeds Spring chert. While this may have been the preform for a contracting stemmed biface the distal end did not flake properly and so the proximal end was sharpened and used as a cutting tool (probably hand held).

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Site/Provenience	Artifact Description	Cl.	Wt(g)	Comments
	Bifacial knife proximal	1	14.4	A crudely chipped contracting stemmed biface with damaged shoulders and flaw in chert across blade. Very fossiliferous.
	Bifacial knife midsection	3	20.3	
	Bifacial knife distal	1	12.1	A long and very sharp well-made biface tip.
	Stemmed biface proximal (Table Rock Pointed Stem)	1	2.5	
	Stemmed biface proximal (Langtry)	1	3.3	
	Bifacial knife proximal (Red Ochre)	1	15.3	Proximal portion of Red Ochre biface probably broken during manufacture.
	Preform	1	39.0	A well-shaped elliptical preform with some edge abrasion. Reason for ceasing reduction unknown.
	Preform	1	16.8	A small leaf shaped preform has some use polish on margins.
	Aborted preform	1	15.6	Apparently aborted due to knot on one edge which could not be removed.
	Bifacial knife	1	6.6	This is small preform with some evidence of use on edges.
	Preform proximal	1	10.0	This is a thinned base section of a triangular preform probably a preform for Rice Side Notched biface.
	Aborted preform proximal	1	6.8	
	Preform proximal	1	1.8	Base of an arrow point preform broken during reduction.
	Arrow point proximal	1	1.7	This is an unusual type similar to a specimen from 23PO419. Dickson (1991:144) documents four specimens from an Early Caddoan context at Albertson (3BE174).
	Arrow point	1	1.0	This is the same as 1-24.
	Arrow point (Sallisaw variant)	1	0.9	Stem is slightly narrower than on typical Sallisaw and tangs are shorter.
	Arrow point proximal (Scallorn coryell)	1	0.7	
	Arrow point (Scallorn coryell)	1	0.7	
	Arrow point (Scallorn coryell)	1	0.7	
	Arrow point (Scallorn eddy)	1	0.6	
	Arrow point (Reed variant)	1	0.3	
	Arrow point proximal (Scallorn)	1	0.4	Tip and both blade edges missing due to impact. Variety of Scallorn not determinable.
23PO423				
Surface - general	Bifacial knife (Dickson)	1	13.9	A small area of base and tiny bit of tip missing.
	Stemmed biface proximal (Smith)	1	13.5	A small concave area apparently uniaxially flaked by pressure is found on one blade margin; however no evidence of use can be seen in this concavity. The other edge is either damaged or missing. Smith bifaces normally function as cutting tools but direct evidence cannot be seen for this example. At least the distal half is missing.
	Cobble unmodified	1	465.7	This seems to be a stream tumbled cobble of oolite which was probably picked up by someone and taken to the site. It is a very dense and heavy rock. No evidence for use is present.
	Bifacial knife proximal	1	10.0	Apparently uniaxially worked from a large flake. Square shoulders are narrower than on the Smith type and flaking characteristics are different.
	Bifacial knife distal	4	19.9	
	Bifacial knife midsection	2	25.0	

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Site/Provenience	Artifact Description	Cl.	Wt(g)	Comments
	Bifacial knife proximal	1	15.5	This seems to be the base portion of a preform for a lanceolate biface. Quite a bit of soft polish and rounding suggest cuning of soft material. At one junction of blade edge and break there is moderate use crushing and abrasion typical of that produced by engraving wood or a moderately firm substance. The lanceolate form suggests Early or Middle Archaic as does the use of broken biface for engraving; but lanceolate bifaces were made at other times too and the fragment is not diagnostic of a specific time.
	Unstemmed biface proximal	1	12.2	This is the base portion of a thin leaf-shaped biface.
	Aborted preform proximal	1	17.5	Advanced stage preform apparently broke during reduction due to a fossiliferous place in the chert and a short fracture.
23PO424				
Surface - general	Bifacial knife proximal (Fairland)	1	5.8	
	Dart point proximal (Table Rock variant)	1	2.2	
	Knife/scrapper (Big Creek)	1	7.5	A Big Creek point has been resharpened to a rounded stub.
	Stemmed biface proximal (Stone Corner Notched)	1	5.4	
	Bifacial knife distal	2	9.9	
	Bifacial knife midsection	1	10.7	
23PO425				
Surface - general	Dart point midsection	1	9.7	All margins of biface damaged. But impact fracture enters the hafting area on one face. Type cannot be determined; however the specimen probably was expanding stemmed.
	Preform	3	44.0	
	Unstemmed biface proximal	1	22.7	This is possibly the preform for a Red Ochre biface at least the shape suggests this. The base edge has been ground heavily with an abrasive material probably sandstone probably to aid further thinning. But specimen was broken before thinning took place.
23PO430				
Surface - general	Bifacial knife (Stone Corner Notched)	1	15.1	
	Bifacial knife (Dickson)	1	9.8	Much use crushing and breakage indicates contact with a hard material during last usage of biface. Most probably it was used to cut a hard substance such as bone but it is possible that it was used in dismembering of joints with much contact with bone.
23PO433				
Surface - general	Stemmed biface proximal	1	4.3	
	Biface distal	2	3.0	
23PO434				
Surface - general	Bifacial knife midsection	1	6.7	Midsection of a well made biface. Pollid fracture on one face suggests exposure to heat.
23PO435				
Surface - general	Bifacial knife (Hanna)	1	5.3	
	Bifacial knife misc.	4	44.5	Small amounts of edge on each specimen seem to feature damage typical of that caused by butchering with bone contact. However the intact areas of margin are small.

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Site/Provenience	Artifact Description	Ct.	Wt(g)	Comments
	Blank	1	137.6	A crudely worked chunk of tabular hillside Burlington chert. One edge on one face is beveled to aid reduction while the same edge on the opposite face is partly beveled. Form is basically elliptical without discernible base or tip.
	Blank distal	1	51.3	A tabular piece of Burlington chert has been flaked crudely along margins. One end is missing.
23PO440 Surface - general	Projectile point/knife (White River)	1	6.8	This specimen has narrow side notches. Immediately below the notches the margins contract to a deeply concave base.
23PO443 Surface - general	Flat abrader	1	785.2	This is a well-shaped elliptical muller with two convex faces (no pits) and rounded well-shaped sides. Made from hard tan sandstone.
	Bifacial knife (Table Rock Pointed Stem)	1	11.8	
	Aborted preform	1	13.4	Aborted because a thick knot could not be removed from one face.
	Knife/scrapper	1	32.9	The distal end of this biface is well shaped and thin with use polish. The proximal portion still has cortex visible and has not been well thinned. Specimen apparently was hand.
23PO446 Surface - general	Blank	1	75.2	
	Dart point	1	4.7	This is a short nondescript side notched biface which has been much resharpened. At least last use probably was as a dart point. Morphology and flaking suggest Woodland.
	Biface stem	1	2.9	Only the stem is intact on this fragment and the stem suggests the Fairland type. But since shoulders and blade are gone one cannot be sure of type or function.
23PO451 Surface - general	Preform proximal	1	9.1	
	Blank proximal	1	199.5	About half of a very large quarry blank of Burlington chert. The blank broke due to a fossil in center of chert.
	Bifacial knife proximal	1	4.8	Crudely flaked from crooked flake of JEFFERSON CITY chert.
	Biface midsection	2	5.2	These two fragments do not have use wear and may be broken advanced stage preform fragments. One fragment is made from a fossiliferous gray possibly Sedalia chert.

APPENDIX B

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Site No.	Cat. No.	Provenience	Ct.	Type Name	Artifact Description	Portion	Cultural Affiliation	Primary Function
23CE436	1-1	Surface - general	1	Standee	Projectile point/knife	whole	Archaic, Term. - Woodland	Knife
23CE436	1-2	Surface - general	1	Langty	Knife, bifacial	whole	Archaic, Late - Woodland	Knife?
23CE447	1-1	Surface - general	1	Undeified	Scraper, unifacial end	whole	Mississippi	Scraper
23CE447	1-2	Surface - general	1	Red Ochre-like	Knife, bifacial	proximal	Archaic, Late	Knife
23CE448	1-1	Surface - general	1	Kings Corner Notched var.	Knife, bifacial	whole	Archaic, Late - Woodland	Knife
23CE448	1-2	Surface - general	1	Ellis-like	Knife, bifacial	whole	Archaic, Late	Knife
23CE448	1-3	Surface - general	1	Undeified	Knife, bifacial	whole	Archaic, Late?	Knife?
23CE448	1-4	Surface - general	1	Undeified	Preform, aborted	whole	Unknown	Unknown
23CE448	1-5	Surface - general	1	Undeified	Preform, aborted	proximal	Unknown	Unknown
23CE448	1-6	Surface - general	1	Undeified	Preform	proximal	Unknown	Unknown
23CE448	1-7	Surface - general	1	Undeified	Preform	proximal	Unknown (Woodland?)	Unknown
23CE448	1-8	Surface - general	3	Undeified	Knife, bifacial	distal	Unknown	Knife
23DA52	1-1	Surface - general	1	Kings Corner Notched	Dart point	whole	Archaic, Late - Woodland	Dart point
23DA52	1-2	Surface - general	1	Undeified	Scraper, bifacial side	proximal	Archaic, Late	Scraper
23DA52	1-3	Surface - general	1	Scallops	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23DA52	1-4	Surface - general	1	Undeified	Biface	distal	Unknown	Unknown
23DA63	1-1	Surface - general	1	Langty	Dart point	stem	Archaic, Late - Woodland	Unknown
23DA63	1-2	Surface - general	1	Rice Side Notched	Biface, stemmed	proximal	Woodland, Late	Unknown
23DA63	1-3	Surface - general	1	Undeified	Preform, aborted	whole	Unknown	Unknown
23DA63	1-4	Surface - general	1	Undeified	Knife, bifacial	whole	Unknown	Knife
23DA63	1-5	Surface - general	1	Undeified	Knife, bifacial	midsection	Unknown	Knife
23DA63	1-6	Surface - general	1	Undeified	Knife, bifacial	distal	Unknown	Knife
23DA63	1-7	Surface - general	4	Undeified	Preform	edge	Unknown	Unknown
23DA85	1-1	Surface - general	1	Kings Corner Notched	Dart point	stem	Archaic, Late - Woodland	Dart point
23DA85	1-2	Surface - general	1	Undeified	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23DA85	1-3	Surface - general	1	Undeified	Scraper, bifacial side	distal	Unknown	Scraper
23DA85	1-4	Surface - general	1	Undeified	Knife, bifacial	tip	Unknown	Knife
23DA85	1-5	Surface - general	3	Undeified	Preform	midsection	Unknown	Unknown
23DA330	1-1	Surface - general	1	Undeified	Knife, bifacial	distal	Archaic?	Knife
23DA339	1-1	Surface - general	1	Undeified	Dart point	stem	Unknown	Unknown
23DA339	1-2	Surface - general	1	Undeified	Knife, bifacial	midsection	Unknown	Knife
23DA339	1-3	Surface - general	1	Undeified	Knife, bifacial	tip	Unknown	Knife
23DA339	1-4	Surface - general	1	Undeified	Preform, aborted	whole	Unknown	Unknown
23DA339	1-5	Surface - general	1	White River	Dart point	whole	Archaic, Middle	Dart point?
23DA344	1-2	Surface - general	1	Undeified	Preform	midsection	Unknown	Unknown

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Site No.	Cat. No.	Provenience	Qt.	Type Name	Artifact Description	Portion	Cultural Affiliation	Primary Function
23DA362	1-1	Surface - general	1	Stone Square Stemmed	Knife, bifacial	whole	Archaic, Late	Knife
23DA362	1-2	Surface - general	1	Unclassified	Knife, bifacial		Unknown	Knife
23DA362	1-3	Surface - general	1	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23DA362	1-4	Surface - general	1	Unclassified	Scraper, flake	N/A	Unknown	Scraper
23DA362	1-5	Surface - general	4	Unclassified	Preform	midsection	Unknown	Unknown
23DA364	1-1	Surface - general	1	Castroville	Knife, bifacial	whole	Archaic, Late	Knife
23DA365	1-1	Surface - general	1	Big Creek	Knife, bifacial	whole	Archaic, Late	Knife
23DA365	1-2	Surface - general	1	Unclassified	Knife, bifacial	whole	Woodland	Knife
23DA365	1-3	Surface - general	1	Fairland-like	Dart point	stem	Archaic, Late	Dart point
23DA365	1-4	Surface - general	1	Unclassified	Biface	edge	Unknown	Unknown
23DA365	1-5	Surface - general	1	Unclassified	Knife, bifacial	distal	Unknown	Knife
23DA365	1-6	Surface - general	1	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23DA365	1-7	Surface - general	1	Unclassified	Preform	basal	Unknown	Unknown
23DA365	1-8	Surface - general	1	Unclassified	Knife, bifacial	proximal	Unknown	Knife
23DA365	1-9	Surface - general	5	Unclassified	Preform	misc.	Unknown	Unknown
23DA365	1-10	Surface - general	1	Smith	Knife, bifacial	whole	Archaic, Late	Knife
23DA366	1-2	Surface - general	1	Marcos	Knife, bifacial	proximal	Archaic, Late	Knife
23DA366	1-3	Surface - general	1	Marcos	Knife, bifacial	whole	Archaic, Late	Knife
23DA366	1-4	Surface - general	1	Edgewood	Knife, bifacial	proximal	Archaic, Late	Knife
23DA366	1-5	Surface - general	1	White River	Projectile point/knife	whole	Archaic, Middle	Dart point
23DA366	1-6	Surface - general	1	Rice Side Notched	Knife, bifacial	whole	Woodland, Late	Knife
23DA366	1-7	Surface - general	1	Big Creek	Knife, bifacial	whole	Archaic, Late	Knife
23DA366	1-8	Surface - general	1	Unclassified	Knife, bifacial	whole	Woodland?	Knife
23DA366	1-9	Surface - general	1	Kings Corner Notched	Knife, bifacial	proximal	Archaic, Late - Woodland	Knife
23DA366	1-10	Surface - general	1	Calif Creek variant	Knife, bifacial	proximal	Archaic, Middle	Knife
23DA366	1-11	Surface - general	1	Unclassified	Knife, bifacial	whole	Archaic, Early	Knife
23DA366	1-12	Surface - general	1	Stone Square Stemmed	Knife, bifacial	proximal	Archaic, Late	Knife
23DA366	1-13	Surface - general	1	Unclassified	Dart point	whole	Woodland?	Dart point
23DA366	1-14	Surface - general	1	Waubesa	Knife, bifacial	whole	Woodland	Knife?
23DA366	1-15	Surface - general	1	Unclassified	Knife, bifacial	whole	Unknown	Knife
23DA366	1-16	Surface - general	1	Unclassified	Knife, bifacial	whole	Archaic, Late?	Knife
23DA366	1-17	Surface - general	1	Castroville	Biface, stemmed	proximal	Archaic, Late	Unknown
23DA366	1-18	Surface - general	1	Rice Lobed?	Knife, bifacial	whole	Archaic, Middle	Knife
23DA366	1-19	Surface - general	1	Martindale	Biface, stemmed	proximal	Archaic, Late	Unknown
23DA366	1-20	Surface - general	1	Unclassified	Knife, bifacial	proximal	Unknown	Knife

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Site No.	Cat. No.	Provenience	Ct.	Type Name	Artifact Description	Portion	Cultural Affiliation	Primary Function
23DA366	1-21	Surface - general	1	Fisior	Knife, bifacial	proximal	Archaic, Late	Knife?
23DA366	1-22	Surface - general	2	Unclassified	Biface	edge	Unknown	Unknown
23DA366	1-23	Surface - general	2	Unclassified	Biface	midsection	Unknown	Unknown
23DA366	1-24	Surface - general	1	Unclassified	Knife, bifacial	proximal	Archaic, Late?	Knife
23DA366	1-25	Surface - general	1	Unclassified	Biface, stemmed	proximal	Unknown	Unknown
23DA366	1-26	Surface - general	1	Unclassified	Biface, stemmed	stem	Unknown	Unknown
23DA366	1-27	Surface - general	1	Waibasa?	Biface, stemmed	stem	Woodland?	Unknown
23DA366	1-28	Surface - general	1	Unclassified	Knife, bifacial	distal	Woodland?	Knife
23DA366	1-29	Surface - general	1	Unclassified	Knife, bifacial	distal	Unknown	Knife
23DA366	1-30	Surface - general	1	Unclassified	Knife, bifacial	distal	Unknown	Knife
23DA366	1-31	Surface - general	1	Unclassified	Knife, bifacial	whole	Unknown	Knife
23DA366	1-32	Surface - general	1	Unclassified	Knife, bifacial	midsection	Unknown	Knife?
23DA366	1-33	Surface - general	1	Unclassified	Adze	whole	Unknown	Woodworking, heavy
23DA366	1-34	Surface - general	1	Unclassified	Preform, aborted	whole	Unknown	Unknown
23DA366	1-35	Surface - general	1	Unclassified	Preform	whole	Unknown	Unknown
23DA366	1-36	Surface - general	1	Unclassified	Preform, aborted	whole	Unknown	Unknown
23DA366	1-37	Surface - general	1	Unclassified	Preform	whole	Woodland?	Unknown
23DA366	1-38	Surface - general	1	Unclassified	Biface, unstemmed	basal	Unknown	Unknown
23DA366	1-39	Surface - general	1	Unclassified	Biface, unstemmed	basal	Unknown	Unknown
23DA366	1-40	Surface - general	1	Unclassified	Preform	basal	Unknown	Unknown
23DA366	1-42	Surface - general	56	Unclassified	Preform	proximal	Unknown	Unknown
23DA366	1-43	Surface - general	1	Unclassified	Preform	misc.	Unknown	Unknown
23DA366	1-44	Surface - general	1	Unclassified	Knife, bifacial	stem	Woodland	Knife
23DA366	1-45	Surface - general	1	Unclassified	Knife, bifacial	whole	Woodland	Knife
23DA366	1-46	Surface - general	1	Unclassified	Knife, bifacial	whole	Unknown	Knife
23DA366	1-47	Surface - general	1	Unclassified	Preform	basal	Unknown	Unknown
23DA366	1-48	Surface - general	1	Unclassified	Knife, bifacial	distal	Unknown	Knife
23DA366	1-49	Surface - general	10	Unclassified	Knife, bifacial	distal	Unknown	Knife
23DA367	1-1	Surface - general	1	Unclassified	Preform	misc.	Unknown	Unknown
23DA367	1-2	Surface - general	1	Stone Square Stemmed	Dart point	whole	Woodland	Dart point
23DA367	1-3	Surface - general	1	Unclassified	Dart point	stem	Archaic, Late	Dart point
23DA367	1-4	Surface - general	5	Unclassified	Knife, bifacial	distal	Unknown	Knife
23DA368	1-1	Surface - general	1	Lander Corner Notched	Preform	midsection	Unknown	Unknown
23DA368	1-2	Surface - general	1	Stone Corner Notched	Knife, bifacial	proximal	Woodland	Knife
23DA368	1-3	Surface - general	1	Unclassified	Knife/scrapper	proximal	Archaic, Late	Knife

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Site No.	Cat. No.	Provenience	Ct.	Type Name	Artifact Description	Portion	Cultural Affiliation	Primary Functions
23DA 368	1-4	Surface - general	1	Big Creek?	Knife, bifacial	proximal	Archaic, Late	Knife
23DA 368	1-5	Surface - general	1	Kings Corner Notched	Knife, bifacial	proximal	Archaic, Late - Woodland	Knife
23DA 368	1-6	Surface - general	1	Stone Corner Notched?	Dart point	stem	Archaic, Late	Dart point
23DA 368	1-7	Surface - general	1	Stone Corner Notched	Dart point	stem	Archaic, Late	Dart point
23DA 368	1-8	Surface - general	1	Stone Corner Notched	Dart point	stem	Archaic, Late	Dart point
23DA 368	1-9	Surface - general	1	Stone Square Stemmed	Projectile point/knife	stem	Archaic, Late	Unknown
23DA 368	1-10	Surface - general	1	Stone Square Stemmed?	Biface, stemmed	stem	Archaic, Late	Scraper
23DA 368	1-11	Surface - general	1	Table Rock Stemmed	Scraper, bifacial end	proximal	Archaic, Late	Knife
23DA 368	1-12	Surface - general	1	Unclassified	Knife/scraper	midsection	Archaic, Late	Unknown
23DA 368	1-13	Surface - general	1	Big Creek?	Biface, stemmed	stem	Unknown	Knife
23DA 368	1-14	Surface - general	1	Unclassified	Knife, bifacial	basal	Unknown	Perforator
23DA 368	1-15	Surface - general	1	Unclassified	Drill, bifacial	midsection	Unknown	Knife
23DA 368	1-16	Surface - general	1	Unclassified	Knife, bifacial	distal	Unknown	Knife
23DA 368	1-17	Surface - general	1	Unclassified	Knife, bifacial	distal	Unknown	Knife
23DA 368	1-18	Surface - general	1	Unclassified	Knife, bifacial	whole	Unknown	Knife
23DA 368	1-19	Surface - general	1	Unclassified	Knife/scraper	whole	Unknown	Knife
23DA 368	1-20	Surface - general	1	Unclassified	Knife, bifacial	distal	Unknown	Knife
23DA 368	1-21	Surface - general	1	Unclassified	Knife, bifacial	distal	Unknown	Knife
23DA 368	1-22	Surface - general	1	Unclassified	Knife, bifacial	distal	Unknown	Knife
23DA 368	1-23	Surface - general	1	Unclassified	Knife, bifacial	distal	Unknown	Knife
23DA 368	1-24	Surface - general	1	Unclassified	Knife, flake	N/A	Woodland?	Knife
23DA 368	1-25	Surface - general	13	Unclassified	Preform, aborted	misc	Unknown	Unknown
23DA 368	1-26	Surface - general	1	Stone Square Stemmed	Knife, bifacial	whole	Archaic, Late	Knife
23DA 368	1-27	Surface - general	1	Kings Corner Notched	Knife, bifacial	whole	Archaic, Late - Woodland	Knife
23DA 368	1-28	Surface - general	1	Unclassified	Biface, stemmed	proximal	Woodland?	Unknown
23DA 368	1-29	Surface - general	1	Unclassified	Knife, bifacial	midsection	Archaic, Early?	Knife
23DA 368	1-30	Surface - general	1	Unclassified	Knife, bifacial	distal	Unknown	Knife
23DA 368	1-31	Surface - general	1	Unclassified	Preform	proximal	Unknown	Unknown
23DA 369	1-1	Surface - general	1	Gibson-like	Drill, bifacial	whole	Woodland - Mississippi	Perforator
23DA 369	1-2	Surface - general	1	Fairland variant	Biface, stemmed	proximal	Woodland, Middle	Unknown
23DA 369	1-3	Surface - general	1	Kings Corner Notched	Dart point	stem	Archaic, Late	Dart point
23DA 369	1-4	Surface - general	1	Sequoyah	Dart point	stem	Archaic, Late - Woodland	Dart point
23DA 369	1-5	Surface - general	1	Unclassified	Arrow point	stem	Mississippi	Arrow point
23DA 369	1-6	Surface - general	1	Unclassified	Preform, aborted	proximal	Unknown	Arrow point/preform
23DA 369	1-7	Surface - general	1	Unclassified	Scraper, flake	N/A	Unknown	Scraper
23DA 369	1-7	Surface - general	1	Sallisaw	Arrow point	whole	Mississippi	Arrow point

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Site No.	Cat. No.	Provenience	CL	Type Name	Artifact Description	Portion	Cultural Affiliation	Primary Function
23DA370	1-1	Surface - general	1	Stone Square Stemmed	Knife, bifacial	proximal	Archaic, Late	Knife
23DA370	1-2	Surface - general	1	Stone Square Stemmed	Knife, bifacial	proximal	Archaic, Late	Knife
23DA370	1-3	Surface - general	1	Table Rock Stemmed	Projectile point/knife	proximal	Archaic, Late	Knife
23DA370	1-4	Surface - general	1	Lander Corner Notched	Knife, bifacial	proximal	Woodland	Knife
23DA370	1-5	Surface - general	1	Rice Side Notched	Knife, bifacial	proximal	Woodland, Late	Knife
23DA370	1-6	Surface - general	1	Standlee	Knife, bifacial	proximal	Archaic, Term. - Woodland	Knife
23DA370	1-7	Surface - general	1	Standlee	Knife, bifacial	proximal	Archaic, Term. - Woodland	Knife
23DA370	1-8	Surface - general	1	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23DA370	1-9	Surface - general	1	Unclassified	Knife, bifacial	distal	Unknown	Knife
23DA370	1-10	Surface - general	1	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23DA370	1-11	Surface - general	1	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23DA370	1-12	Surface - general	1	Unclassified	Knife, bifacial	tip	Unknown	Knife
23DA370	1-13	Surface - general	1	Unclassified	Knife, bifacial	whole	Unknown	Knife
23DA370	1-14	Surface - general	2	Unclassified	Biface	midsection	Unknown	Unknown
23DA370	1-15	Surface - general	7	Unclassified	Preform	misc.	Unknown	Unknown
23DA371	1-1	Surface - general	1	Unclassified	Knife, bifacial	proximal	Woodland?	Knife
23DA371	1-2	Surface - general	1	Unclassified	Knife, bifacial	proximal	Woodland?	Knife
23DA371	1-3	Surface - general	1	Langtry	Knife, bifacial	whole	Archaic, Late - Woodland	Knife
23DA371	1-4	Surface - general	1	Slope Corner Notched	Knife, bifacial	proximal	Archaic, Late	Knife
23DA371	1-5	Surface - general	1	Stone Square Stemmed-like	Knife, bifacial	stem	Archaic, Late	Dart point
23DA371	1-6	Surface - general	1	Kings Corner Notched	Projectile point/knife	stem	Archaic, Late - Woodland	Dart point
23DA371	1-7	Surface - general	1	Langtry	Projectile point/knife	stem	Archaic, Late - Woodland	Dart point
23DA371	1-8	Surface - general	1	Langtry	Dart point	stem	Archaic, Late - Woodland	Dart point
23DA371	1-9	Surface - general	1	Langtry	Dart point	stem	Archaic, Late - Woodland	Dart point
23DA371	1-10	Surface - general	1	Call Creek variant	Knife, bifacial	proximal	Archaic, Middle	Knife
23DA371	1-11	Surface - general	1	Big Creek	Biface, stemmed	proximal	Archaic, Late	Unknown
23DA371	1-12	Surface - general	1	Kings Corner Notched	Knife, bifacial	whole	Archaic, Late - Woodland	Knife
23DA371	1-13	Surface - general	1	Stone Square Stemmed var.	Knife, bifacial	proximal	Archaic, Late	Knife
23DA371	1-14	Surface - general	1	Marshall-like	Knife, bifacial	proximal	Archaic, Late	Knife
23DA371	1-15	Surface - general	1	Unclassified	Scraper, bifacial end	whole	Unknown	Scraper
23DA371	1-16	Surface - general	1	Unclassified	Knife, bifacial	whole	Unknown	Knife
23DA371	1-17	Surface - general	5	Langtry?	Biface, stemmed	stem	Archaic, Late - Woodland	Unknown
23DA371	1-18	Surface - general	10	Big Creek?	Biface, stemmed	stem	Archaic, Late?	Unknown
23DA371	1-19	Surface - general	1	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23DA371	1-20	Surface - general	3	Unclassified	Biface, stemmed	proximal	Unknown	Unknown
23DA371		Surface - general		Unclassified	Knife, bifacial	midsection	Unknown	Knife

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Site No.	Cat. No.	Provenience	Qt.	Type Name	Artifact Description	Portion	Cultural Affiliation	Primary Function
23DA371	1-21	Surface - general	11	Unclassified	Preform	midsection	Unknown	Unknown
23DA371	1-22	Surface - general	1	Unclassified	Biface, unstemmed	proximal	Unknown	Unknown
23DA371	1-23	Surface - general	1	Unclassified	Preform	basal	Unknown	Unknown
23DA371	1-24	Surface - general	1	Unclassified	Preform	basal	Unknown	Unknown
23DA371	1-25	Surface - general	1	Unclassified	Adze	distal	Unknown	Woodworking, heavy
23DA371	1-26	Surface - general	1	Unclassified	Adze (fragment)	proximal	Unknown	Woodworking, heavy
23DA371	1-27	Surface - general	1	Unclassified	Adze (fragment)	proximal	Woodland?	Woodworking, heavy
23DA371	1-29	Surface - general	1	Snyders	Knife, bifacial	whole	Woodland, Middle	Knife
23DA371	1-30	Surface - general	1	Snyders	Knife, bifacial	whole	Woodland, Middle	Knife
23DA371	1-31	Surface - general	1	Snyders	Knife, bifacial	whole	Woodland, Middle	Knife
23DA371	1-32	Surface - general	1	Snyders	Knife, bifacial	proximal	Woodland, Middle	Knife?
23DA371	1-33	Surface - general	1	Snyders	Knife, bifacial	proximal	Woodland, Middle	Knife
23DA371	1-34	Surface - general	1	Snyders	Knife, bifacial	proximal	Woodland, Middle	Knife
23DA371	1-35	Surface - general	74	Unclassified	Preform	midsection	Unknown	Unknown
23DA371	1-36	Surface - general	6	Unclassified	Preform	midsection	Unknown	Unknown
23DA371	1-37	Surface - general	1	Snyders preform?	Knife, bifacial	whole	Woodland, Middle?	Knife
23DA371	1-38	Surface - general	1	Unclassified	Adze	whole	Unknown	Woodworking, heavy
23DA371	1-40	Surface - general	17	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23DA371	1-41	Surface - general	3	Unclassified	Biface, stemmed	distal	Unknown	Unknown
23DA371	1-42	Surface - general	1	Unclassified	Knife, bifacial	tip	Unknown	Knife
23DA371	1-43	Surface - general	1	Unclassified	Knife, bifacial	tip	Unknown	Knife
23DA371	1-44	Surface - general	1	Unclassified	Knife, bifacial	proximal	Archaic, Middle	Knife?
23DA371	1-45	Surface - general	1	Unclassified	Knife, bifacial	proximal	Archaic, Middle	Knife?
23DA371	1-46	Surface - general	1	Unclassified	Knife, bifacial	proximal	Archaic, Middle	Knife?
23DA371	1-47	Surface - general	1	Snyders-like	Knife, bifacial	proximal	Woodland, Middle	Knife
23DA371	1-48	Surface - general	1	Snyders	Knife, bifacial	whole	Woodland, Middle	Knife?
23DA371	1-49	Surface - general	1	Steuben	Knife, bifacial	whole	Woodland, Middle - Late	Knife
23DA371	1-50	Surface - general	1	Stone Corner Notched	Knife/scraper	whole	Archaic, Late	Knife
23DA371	1-51	Surface - general	1	Langtry	Knife, bifacial	proximal	Archaic, Late - Woodland	Knife
23DA371	1-52	Surface - general	1	Langtry	Knife, bifacial	proximal	Archaic, Late - Woodland	Knife
23DA371	1-53	Surface - general	1	Dickson	Knife, bifacial	proximal	Woodland, Middle	Knife?
23DA371	1-54	Surface - general	1	Dickson	Knife, bifacial	proximal	Woodland, Middle	Knife
23DA371	1-55	Surface - general	1	Standlee	Knife, bifacial	whole	Archaic, Term. - Woodland	Knife
23DA371	1-56	Surface - general	1	Standlee	Knife, bifacial	whole	Archaic, Term. - Woodland	Knife
23DA371	1-57	Surface - general	1	Standlee	Knife, bifacial	proximal	Archaic, Term. - Woodland	Knife

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Site No.	Cat. No.	Provenience	CL	Type Name	Artifact Description	Portion	Cultural Affiliation	Primary Function
23DA371	1-58	Surface - general	1	Langtry	Projectile point/knife	whole	Archaic, Late - Woodland	Knife
23DA371	1-59	Surface - general	1	Langtry	Knife, bifacial	whole	Archaic, Late - Woodland	Knife
23DA371	1-60	Surface - general	1	Langtry	Dart point	whole	Archaic, Late - Woodland	Dart point
23DA371	1-61	Surface - general	1	Standlee-like	Knife, bifacial	whole	Archaic, Term. - Woodland	Knife
23DA371	1-62	Surface - general	1	Gary	Knife, bifacial	whole	Woodland	Knife
23DA371	1-63	Surface - general	1	Stone Corner Notched	Projectile point/knife	whole	Archaic, Late	Dart point
23DA371	1-64	Surface - general	1	Stone Corner Notched	Knife, bifacial	proximal	Archaic, Late	Knife
23DA371	1-65	Surface - general	1	Unclassified	Biface, stemmed	proximal	Unknown	Unknown
23DA371	1-66	Surface - general	1	Unclassified	Knife, bifacial	proximal	Unknown	Knife
23DA371	1-67	Surface - general	1	Unclassified	Projectile point/knife	whole	Unknown (Late Archaic?)	Knife
23DA371	1-68	Surface - general	1	Unclassified	Projectile point/knife	proximal	Unknown	Knife
23DA371	1-69	Surface - general	1	Unclassified	Knife, bifacial	whole	Unknown	Knife
23DA371	1-70	Surface - general	1	Unclassified	Knife, bifacial	proximal	Unknown	Knife?
23DA371	1-71	Surface - general	1	Unclassified	Knife, bifacial	proximal	Unknown	Knife
23DA371	1-72	Surface - general	1	Unclassified	Biface, stemmed	proximal	Unknown	Unknown
23DA371	1-73	Surface - general	1	Unclassified	Knife, bifacial	midsection	Unknown	Unknown
23DA371	1-74	Surface - general	1	Snyders?	Knife, bifacial	proximal	Woodland, Middle	Knife
23DA371	1-75	Surface - general	1	Unclassified	Dart point	whole	Unknown	Dart point?
23DA371	1-76	Surface - general	1	Sieuben	Knife, bifacial	proximal	Woodland, Middle - Late	Knife
23DA371	1-77	Surface - general	1	Sieuben	Projectile point/knife	proximal	Woodland, Middle - Late	Knife
23DA371	1-78	Surface - general	1	Unclassified	Knife, bifacial	whole	Unknown	Knife
23DA371	1-79	Surface - general	1	Unclassified	Knife, bifacial	whole	Unknown	Knife
23DA371	1-80	Surface - general	1	Rice Side Notched	Biface, stemmed	proximal	Woodland, Late	Unknown
23DA371	1-81	Surface - general	1	Table Rock Variant	Biface, stemmed	stem	Archaic, Late	Unknown
23DA371	1-82	Surface - general	3	Unclassified	Biface	edge	Unknown	Unknown
23DA371	1-83	Surface - general	1	Klink Side Notched	Arrow point	whole	Woodland, Late	Arrow point
23DA371	1-84	Surface - general	2	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23DA371	1-85	Surface - general	2	Unclassified	Dart point	midsection	Unknown	Dart point
23DA371	1-86	Surface - general	1	Unclassified	Knife, bifacial	proximal	Unknown	Knife
23DA371	1-87	Surface - general	1	Unclassified	Scraper, bifacial side	midsection	Unknown	Scraper
23DA371	1-88	Surface - general	1	Unclassified	Drill, bifacial	whole	Woodland, Late?	Perforating
23DA371	1-89	Surface - general	1	Unclassified	Drill, bifacial	midsection	Unknown	Perforator
23DA371	1-90	Surface - general	1	Unclassified	Drill, bifacial	basal	Unknown	Perforator
23DA371	1-91	Surface - general	1	Hanna?	Dart point	stem	Archaic, Late	Dart point
23DA371	1-92	Surface - general	1	Unclassified	Knife/scraper, flake tool	N/A	Woodland?	Scraper

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Site No.	Cal No.	Provenience	Ct.	Type Name	Artifact Description	Portion	Cultural Affiliation	Primary Function
23DA371	1-93	Surface - general	1	Unclassified	Scraper, bifacial side	whole	Woodland?	Scraper
23DA371	1-94	Surface - general	1	Unclassified	Scraper, bifacial end	whole	Archaic, Late	Scraper
23DA371	1-95	Surface - general	1	Unclassified	Preform	proximal	Woodland?	Unknown
23DA371	1-96	Surface - general	1	Unclassified	Knife, unifacial	proximal	Unknown	Knife
23DA371	1-97	Surface - general	1	Unclassified	Preform	proximal	Unknown	Unknown
23DA371	1-98	Surface - general	1	Unclassified	Preform	proximal	Unknown	Unknown
23DA371	1-99	Surface - general	1	Unclassified	Preform	proximal	Unknown	Unknown
23DA371	1-10	Surface - general	1	Unclassified	Scraper, core	whole	Woodland	Scraper
23DA371	1-10	Surface - general	1	Unclassified	Scraper, flake	N/A	Woodland	Scraper
23DA371	1-10	Surface - general	1	Unclassified	Scraper, bifacial side	proximal	Woodland	Scraper
23DA371	1-10	Surface - general	1	Unclassified	Scraper, bifacial	proximal	Woodland	Scraper
23DA371	1-10	Surface - general	1	Unclassified	Scraper, bifacial end	proximal	Woodland?	Scraper
23DA371	1-10	Surface - general	1	Lander Corner Notched	Knife, bifacial	whole	Woodland	Knife
23DA371	1-10	Surface - general	1	Lander Corner Notched	Knife, bifacial	whole	Woodland	Knife
23DA371	1-10	Surface - general	1	Lander Corner Notched	Knife, bifacial	whole	Woodland	Knife
23DA371	1-10	Surface - general	1	Lander Corner Notched	Knife, bifacial	whole	Woodland	Knife
23DA371	1-10	Surface - general	1	Snyders	Knife, bifacial	proximal	Woodland, Middle	Knife?
23DA371	1-10	Surface - general	1	Big Creek	Knife, bifacial	whole	Archaic, Late	Knife
23DA371	1-11	Surface - general	1	Big Creek	Biface, stemmed	proximal	Archaic, Late	Unknown
23DA371	1-11	Surface - general	1	Big Creek-like	Dart point	stem	Archaic, Late	Dart point
23DA371	1-11	Surface - general	1	Grand	Knife, bifacial	proximal	Woodland, Middle	Knife
23DA371	1-11	Surface - general	1	Rice Side Notched	Knife, bifacial	whole	Woodland, Late	Knife
23DA371	1-11	Surface - general	1	Rice Side Notched-like	Knife, bifacial	whole	Woodland, Late	Knife
23DA371	1-11	Surface - general	1	Standlee	Knife, bifacial	whole	Woodland, Late	Knife
23DA371	1-11	Surface - general	1	Langtry	Dart point	stem	Archaic, Term. - Woodland	Dart point
23DA371	1-11	Surface - general	1	Langtry	Knife, bifacial	proximal	Archaic, Late - Woodland	Knife
23DA371	1-11	Surface - general	1	Langtry	Knife, bifacial	whole	Archaic, Late - Woodland	Knife
23DA371	1-11	Surface - general	1	Waubesa	Biface, stemmed	whole	Archaic, Late - Woodland	Unknown
23DA371	1-12	Surface - general	1	Table Rock Pointed Stem?	Knife, bifacial	proximal	Woodland, Late-Mississippi	Unknown
23DA371	1-12	Surface - general	1	Unclassified	Biface, stemmed	proximal	Unknown	Unknown
23DA371	1-12	Surface - general	1	Unclassified	Biface, stemmed	whole	Unknown	Unknown
23DA371	1-12	Surface - general	1	Stone Corner Notched	Dart point	stem	Archaic, Late	Dart point
23DA371	1-12	Surface - general	1	Stone Corner Notched?	Biface, stemmed	proximal	Archaic, Late?	Unknown
23DA371	1-12	Surface - general	5	Unclassified	Biface	edge	Unknown	Unknown
23DA371	1-12	Surface - general	9	Unclassified	Knife, bifacial	midsection	Unknown	Knife

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Site No.	Cat. No.	Provenience	CL	Type Name	Artifact Description	Portion	Cultural Affiliation	Primary Function
23DA371	1-12	Surface - general	5	Unclassified	Preform	midsection	Unknown	Unknown
23DA371	1-12	Surface - general	1	White River	Projectile point/Knife	whole	Archaic, Middle	Dart point
23DA371	1-13	Surface - general	1	Unclassified	Arrow point	whole	Mississippi, Early	Arrow point
23DA371	1-13	Surface - general	1	Unclassified	Arrow point	whole	Mississippi, Early	Arrow point
23DA371	1-13	Surface - general	1	Scallion	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23DA371	1-13	Surface - general	1	Unclassified	Scraper, bifacial end	whole	Woodland	Scraper
23DA371	1-13	Surface - general	1	Unclassified	Scraper, flake	N/A	Woodland	Scraper
23DA371	1-13	Surface - general	1	Unclassified	Scraper, flake	N/A	Woodland	Scraper
23DA371	1-13	Surface - general	1	Unclassified	Scraper, flake	N/A	Woodland	Scraper
23DA371	1-13	Surface - general	1	Unclassified	Preform	whole	Unknown	Unknown
23DA371	1-13	Surface - general	1	Unclassified	Preform	proximal	Unknown	Unknown
23DA371	1-13	Surface - general	1	Unclassified	Preform	proximal	Woodland?	Unknown
23DA371	1-13	Surface - general	1	Unclassified	Preform	proximal	Woodland?	Unknown
23DA371	1-14	Surface - general	1	Unclassified	Adze	whole	Unknown	Woodworking, heavy
23DA372	1-1	Surface - general	1	Unclassified	Preform	proximal	Unknown	Unknown
23DA372	1-2	Surface - general	1	Unclassified	Preform	proximal	Unknown	Unknown
23DA372	1-3	Surface - general	1	Unclassified	Preform	proximal	Unknown	Unknown
23DA373	1-1	Surface - general	1	Big Creek	Dart point	stem	Archaic, Late	Dart point
23DA373	1-2	Surface - general	1	Unclassified	Preform	whole	Unknown	Unknown
A373	1-3	Surface - general	2	Unclassified	Knife, bifacial	midsection	Unknown	Knife
A373	1-4	Surface - general	1	Unclassified	Preform	proximal	Unknown	Unknown
A373	1-5	Surface - general	1	Unclassified	Preform	proximal	Unknown	Unknown
23DA374	1-1	Surface - general	1	Unclassified	Blank	proximal	Unknown	Unknown
23DA374	1-2	Surface - general	1	Unclassified	Scraper, flake	N/A	Woodland	Scraper
A374	1-3	Surface - general	1	Unclassified	Scraper, bifacial end	fragment	Woodland	Scraper
A374	1-4	Surface - general	1	Unclassified	Preform	distal	Unknown	Unknown
A374	1-5	Surface - general	1	Unclassified	Biface, stemmed	proximal	Unknown	Unknown
A375	1-1	Surface - general	2	Unclassified	Knife, bifacial	midsection	Unknown	Knife
A376	1-1	Surface - general	1	Unclassified	Knife, bifacial	whole	Archaic, Late	Knife
A376	1-2	Surface - general	1	Unclassified	Knife, bifacial	whole	Archaic, Late	Knife
A376	1-3	Surface - general	1	Stone Square Stemmed var.	Knife, bifacial	whole	Archaic, Late?	Knife
A376	1-4	Surface - general	1	Kings Corner Notched?	Dart point	midsection	Archaic, Late - Woodland	Dart point
A376	1-5	Surface - general	1	Unclassified	Preform	proximal	Unknown	Unknown
23DA376	1-5	Surface - general	7	Unclassified	Preform	midsection	Unknown	Unknown
23DA377	1-1	Surface - general	1	Enser	Knife, bifacial	whole	Archaic, Late	Knife

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Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Provenience	Ct.	Type Name	Artifact Description	Portion	Cultural Affiliation	Primary Function
23DA377	1-2	Surface - general	1	Harris-like	Projectile point/knife	whole	Archaic, Late	Dart point
23DA 77	1-3	Surface - general	1	Unclassified	Knife, bifacial	proximal	Archaic, Late	Knife
23DA377	1-4	Surface - general	1	Unclassified	Knife, bifacial	proximal	Archaic, Late	Knife
23DA377	1-5	Surface - general	1	Kings Corner Notched	Projectile point/knife	whole	Archaic, Late - Woodland	Dart point
23DA377	1-6	Surface - general	1	Big Creek	Knife, bifacial	whole	Archaic, Late	Knife
23DA377	1-7	Surface - general	1	Big Creek	Biface, stemmed	proximal	Archaic, Late	Unknown
23DA377	1-8	Surface - general	1	Unclassified	Knife, bifacial	whole	Mississippi, Early?	Knife
23DA377	1-9	Surface - general	1	Unclassified	Knife, bifacial	proximal	Woodland?	Knife
23DA377	1-10	Surface - general	3	Unclassified	Knife, bifacial	mid-section	Unknown	Knife
23DA377	1-11	Surface - general	2	Unclassified	Knife, bifacial	proximal	Unknown	Unknown
23DA379	1-1	Surface - general	1	Unclassified	Knife, bifacial	proximal	Archaic, Late	Knife
23DA379	1-2	Surface - general	1	Afton variant	Knife, bifacial	whole	Archaic, Late	Knife
23DA380	1-1	Surface - general	1	Kings Corner Notched	Knife, bifacial	whole	Archaic, Late - Woodland	Knife
23DA380	1-2	Surface - general	1	Unclassified	Knife, bifacial	mid-section	Unknown	Knife
23DA380	1-3	Surface - general	1	Unclassified	Preform	distal	Unknown	Unknown
23DA380	1-4	Surface - general	1	Unclassified	Blank	whole	Unknown	Unknown
23DA381	1-1	Surface - general	1	Unclassified	Biface, stemmed	prox	Archaic, Late or Woodland	Unknown
23DA381	1-2	Surface - general	1	Unclassified	Preform	proximal	Unknown	Unknown
23DA381	1-3	Surface - general	1	Unclassified	Preform	mid-section	Unknown	Unknown
23DA382	1-1	Surface - general	1	Scallion	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23DA382	1-2	Surface - general	1	Table Rock Stemmed	Dart point	stem	Archaic, Late	Dart point
23DA382	1-3	Surface - general	1	Unclassified	Preform	whole	Mississippi	Arrow point preform
23DA382	1-4	Surface - general	2	Unclassified	Knife, bifacial	mid-section	Unknown	Knife
23DA382	1-5	Surface - general	2	Unclassified	Biface	mid-section	Unknown	Unknown
23DA383	1-1	Surface - general	1	Big Creek	Knife, bifacial	whole	Archaic, Late	Knife
23DA383	1-2	Surface - general	1	Waubesa	Knife, bifacial	whole	Woodland	Knife
23DA383	1-3	Surface - general	1	Unclassified	Knife, bifacial	mid-section	Unknown	Knife
23DA383	1-4	Surface - general	1	Big Creek?	Biface, stemmed	proximal	Archaic, Late	Unknown
23DA383	1-5	Surface - general	7	Unclassified	Preform	mid-section	Unknown	Unknown
23DA384	1-1	Surface - general	1	Unclassified	Knife, bifacial	mid-section	Unknown	Knife
23DA385	1-1	Surface - general	1	Smith	Knife, bifacial	whole	Archaic, Late	Knife
23DA385	1-2	Surface - general	21	Unclassified	Preform	mid-section	Unknown	Knife
23DA385	1-3	Surface - general	4	Unclassified	Knife, bifacial	mid-section	Unknown	Unknown
23DA385	1-4	Surface - general	1	Unclassified	Knife/scraper	basal	Unknown	Knife
23DA385	1-5	Surface - general	1	Unclassified	Scraper, bifacial side	mid-section	Unknown	Scraper

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Site No.	Cat. No.	Provenience	Ct.	Type Name	Artifact Description	Portion	Cultural Affiliation	Primary Function
23DA385	1-6	Surface - general	1	Hanna	Dart point	stem	Archaic, Late	Dart point?
23DA385	1-7	Surface - general	1	Steuben variant	Knife, bifacial	whole	Woodland, Middle - Late	Knife
23DA385	1-8	Surface - general	1	Gibson	Knife, bifacial	whole	Woodland, Middle	Knife
23DA385	1-9	Surface - general	1	Big Creek	Knife, bifacial	whole	Archaic, Late	Knife
23DA385	1-10	Surface - general	1	Duncan	Dart point	stem	Archaic, Late	Dart point?
23DA385	1-11	Surface - general	1	Hanna?	Scraper, bifacial end	whole	Archaic, Late	Scraper
23DA385	1-12	Surface - general	1	Big Creek	Knife, bifacial	whole	Archaic, Late	Knife
23DA385	1-13	Surface - general	1	Gibson	Knife, bifacial	whole	Archaic, Late	Knife
23DA385	1-14	Surface - general	1	Unclassified	Dart point	midsection	Woodland, Middle	Dart point?
23DA385	1-15	Surface - general	1	Unclassified	Knife, bifacial	whole	Archaic, Late or Woodland	Knife
23DA385	1-16	Surface - general	1	Langry-like	Knife, bifacial	whole	Unknown	Knife
23DA385	1-17	Surface - general	1	Unclassified	Knife, bifacial	whole	Archaic, Late - Woodland	Knife
23DA385	1-18	Surface - general	1	Unclassified	Drill, bifacial	midsection	Unknown	Knife
23DA385	1-19	Surface - general	1	Unclassified	Knife, bifacial	proximal	Unknown	Perforator
23DA386	1-1	Surface - general	1	Call Creek variant	Knife, bifacial	whole	Unknown	Knife
23DA386	1-2	Surface - general	1	Unclassified	Knife, bifacial	whole	Archaic, Middle	Knife
23DA386	1-3	Surface - general	38	Unclassified	Knife, bifacial	whole	Archaic, Middle	Knife
23DA386	1-4	Surface - general	4	Unclassified	Preform	midsection	Unknown	Unknown
23DA386	1-5	Surface - general	4	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23DA386	1-6	Surface - general	9	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23DA386	1-7	Surface - general	7	Unclassified	Preform	proximal	Unknown	Unknown
23DA386	1-8	Surface - general	1	Big Creek	Projectile point/knife	whole	Archaic, Late	Dart point
23DA386	1-9	Surface - general	1	Table Rock variant	Knife, bifacial	whole	Archaic, Late	Knife
23DA386	1-11	Surface - general	1	Hanna	Knife, bifacial	whole	Archaic, Late	Knife
23DA386	1-12	Surface - general	1	Hanna	Dart point	stem	Archaic, Late	Dart point
23DA386	1-13	Surface - general	1	Hanna?	Dart point	whole	Archaic, Late	Dart point
23DA386	1-14	Surface - general	1	Table Rock variant	Dart point	whole	Archaic, Late	Dart point
23DA386	1-15	Surface - general	1	Gibson-like	Knife, bifacial	proximal	Archaic, Late	Dart point?
23DA386	1-16	Surface - general	1	Hanna?	Knife, bifacial	midsection	Woodland, Middle	Knife
23DA386	1-17	Surface - general	1	Big Creek	Dart point	whole	Archaic, Late	Dart point
23DA386	1-18	Surface - general	1	Unclassified	Dart point	stem	Archaic, Late	Dart point
23DA386	1-19	Surface - general	1	Stone Corner Notched	Knife, bifacial	whole	Woodland	Knife
23DA386	1-20	Surface - general	1	Stone Corner Notched	Knife, bifacial	whole	Archaic, Late	Knife
23DA386	1-21	Surface - general	1	Stone Corner Notched	Biface, stemmed	proximal	Archaic, Late	Unknown (usually dart pt)
23DA386	1-22	Surface - general	1	Stone Corner Notched	Projectile point/knife	proximal	Archaic, Late	Dart point?
23DA386	1-22	Surface - general	1	King's Corner Notched	Biface, stemmed	proximal	Archaic, Late - Woodland	Unknown

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### Stone tools collected by Howard Wimmer

Site No.	Cal No.	Provenience	Cl.	Type Name	Artifact Description	Portion	Cultural Affiliation	Primary Function
23DA386	1-23	Surface - general	1	Unclassified	Biface, stemmed	proximal	Unknown	Unknown
23DA386	1-24	Surface - general	1	Big Creek	Knife, bifacial	proximal	Archaic, Late	Knife
23DA386	1-25	Surface - general	1	Palmillas-like	Projectile point/knife	whole	Archaic, Late?	Dart point
23DA386	1-26	Surface - general	1	Unclassified	Projectile point/knife	whole	Woodland, Late?	Knife
23DA386	1-27	Surface - general	1	Unclassified	Knife, bifacial	whole	Woodland, Late	Knife
23DA386	1-28	Surface - general	1	Smith	Knife, bifacial	proximal	Archaic, Late	Knife
23DA386	1-29	Surface - general	2	Unclassified	Preform	proximal	Unknown	Unknown
23DA386	1-30	Surface - general	1	Unclassified	Bifacial	whole	Unknown	Unknown
23DA386	1-31	Surface - general	1	Unclassified	Biface, unstemmed	proximal	Unknown	Unknown
23DA386	1-32	Surface - general	2	Unclassified	Biface, stemmed	proximal	Unknown	Unknown
23DA386	1-33	Surface - general	1	Rice Side Notched	Projectile point/knife	proximal	Woodland, Late	Knife
23DA386	1-34	Surface - general	1	Rice Side Notched	Projectile point/knife	proximal	Woodland, Late	Knife
23DA386	1-35	Surface - general	1	Unclassified	Drill, bifacial	proximal	Unknown	Perforator
23DA386	1-36	Surface - general	1	Unclassified	Drill, bifacial	midsection	Unknown	Perforator
23DA386	1-37	Surface - general	1	Unclassified	Preform	whole	Unknown	Unknown
23DA387	1-1	Surface - general	35	Unclassified	Preform	midsection	Unknown	Unknown
23DA387	1-2	Surface - general	1	Rice Lobed variant	Knife, bifacial	whole	Archaic, Middle	Knife
23DA387	1-3	Surface - general	4	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23DA387	1-4	Surface - general	1	Big Creek variant	Knife, bifacial	whole	Archaic, Late	Knife
23DA387	1-5	Surface - general	1	Big Creek	Knife, bifacial	whole	Archaic, Late	Knife
23DA387	1-6	Surface - general	1	Big Creek	Knife, bifacial	whole	Archaic, Late	Knife
23DA387	1-7	Surface - general	1	Stone Corner Notched	Knife, bifacial	whole	Archaic, Late	Knife
23DA387	1-8	Surface - general	1	Big Creek	Knife, bifacial	whole	Archaic, Late	Knife
23DA387	1-9	Surface - general	4	Unclassified	Biface	midsection	Unknown	Unknown
23DA387	1-10	Surface - general	1	Stone Corner Notched	Projectile point/knife	whole	Archaic, Late	Knife
23DA387	1-11	Surface - general	1	Unclassified	Knife/scrapper	whole	Archaic, Late	Scrapper
23DA387	1-12	Surface - general	1	Unclassified	Scrapper, bifacial side	midsection	Unknown	Scrapper
23DA387	1-13	Surface - general	1	Stone Square Stemmed	Knife, bifacial	whole	Archaic, Late	Knife
23DA387	1-14	Surface - general	1	Steuben	Knife, bifacial	whole	Woodland, Middle - Late	Knife
23DA387	1-15	Surface - general	4	Unclassified	Biface, stemmed	proximal	Archaic, Late?	Unknown
23DA387	1-16	Surface - general	5	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23DA387	1-17	Surface - general	1	Table Rock variant	Projectile point/knife	whole	Archaic, Late	Dart point
23DA387	1-18	Surface - general	1	Unclassified	Drill, bifacial	proximal	Archaic, Late?	Perforator
23DA387	1-19	Surface - general	1	Unclassified	Drill, bifacial	midsection	Unknown	Perforator
23DA387	1-20	Surface - general	1	Unclassified	Knife, bifacial	whole	Unknown	Knife

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### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Provenience	Ct.	Type Name	Artifact Description	Portion	Cultural Affiliation	Primary Function
23DA387	1-21	Surface - general	1	Rice Side Notched	Knife, bifacial	whole	Woodland, Late	Knife
23DA387	1-22	Surface - general	1	White River variant?	Biface, stemmed	proximal	Archaic, Middle	Unknown
23DA387	1-23	Surface - general	1	Stone Square Stemmed	Projectile point/knife	stem	Archaic, Late	Knife
23DA387	1-24	Surface - general	1	Alton?	Knife, bifacial	proximal	Archaic, Late	Knife
23DA387	1-25	Surface - general	1	Big Creek	Knife, bifacial	whole	Archaic, Late	Knife
23DA387	1-26	Surface - general	1	Big Creek	Dart point	whole	Archaic, Late	Dart point
23DA387	1-27	Surface - general	1	Big Creek?	Biface, stemmed	midsection	Archaic, Late	Unknown
23DA387	1-28	Surface - general	1	Stone Square Stemmed	Knife, bifacial	proximal	Archaic, Late	Knife
23DA387	1-29	Surface - general	1	Seabert	Knife, bifacial	whole	Woodland, Middle - Late	Knife
23DA387	1-30	Surface - general	1	Stone Corner Notched	Biface, stemmed	proximal	Archaic, Late	Unknown
23DA387	1-31	Surface - general	1	Stone Corner Notched var.	Biface, stemmed	proximal	Archaic, Late	Unknown
23DA387	1-32	Surface - general	1	Stone Corner Notched	Biface, stemmed	proximal	Archaic, Late	Unknown
23DA387	1-33	Surface - general	1	Big Creek	Projectile point/knife	proximal	Archaic, Late	Knife
23DA387	1-34	Surface - general	1	Unclassified	Knife/scraper	proximal	Unknown	Knife
23DA387	1-35	Surface - general	1	King's Corner Notched var.	Biface, stemmed	proximal	Archaic, Late - Woodland	Unknown
23DA387	1-36	Surface - general	1	Unclassified	Knife, bifacial	whole	Unknown	Knife
23DA387	1-37	Surface - general	1	Unclassified	Knife, flake	N/A	Unknown	Knife
23DA387	1-38	Surface - general	1	Unclassified	Preform	whole	Unknown	Unknown
23DA387	1-39	Surface - general	1	Unclassified	Preform	proximal	Unknown	Unknown
23DA387	1-40	Surface - general	1	Unclassified	Preform	whole	Unknown	Unknown
23DA387	1-41	Surface - general	1	Unclassified	Preform	whole	Unknown	Unknown
23DA388	1-1	Surface - general	1	Langtry	Knife, bifacial	whole	Archaic, Late - Woodland	Knife
23DA388	1-2	Surface - general	1	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23DA388	1-3	Surface - general	1	Lander Corner Notched	Biface, stemmed	whole	Woodland	Unknown
23DA389	1-1	Surface - general	1	Dickson	Knife, bifacial	whole	Woodland, Middle	Knife
23DA389	1-2	Surface - general	1	Dickson	Knife, bifacial	whole	Woodland, Middle	Knife
23DA389	1-3	Surface - general	1	Dalton	Knife, bifacial	whole	Archaic, Early	Knife
23DA389	1-4	Surface - general	1	Unclassified	Knife, bifacial	midsection	Unknown (Early Archaic?)	Knife
23DA389	1-5	Surface - general	2	Unclassified	Preform	proximal	Unknown	Unknown
23DA390	1-1	Surface - general	1	Unclassified	Blank	whole	Unknown	Unknown
23DA390	1-2	Surface - general	1	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23DA390	1-3	Surface - general	1	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23DA391	1-1	Surface - general	1	Langtry	Biface, stemmed	proximal	Archaic, Late - Woodland	Unknown
23DA391	1-2	Surface - general	1	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23DA392	1-1	Surface - general	1	Big Creek	Dart point	whole	Archaic, Late	Dart point

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Site No.	Cat. No.	Provenience	CL	Type Name	Artifact Description	Portion	Cultural Affiliation	Primary Function
23DA392	1-2	Surface - general	1	Unclassified	Scrapper, bifacial side	midsection	Unknown	Scrapper
23DA392	1-3	Surface - general	1	Unclassified	Knife/scrapper	distal	Unknown	Scrapper
23DA392	1-4	Surface - general	1	Unclassified	Preform	proximal	Unknown	Unknown
23DA393	1-1	Surface - general	61	Unclassified	Preform	midsection	Unknown	Unknown
23DA393	1-2	Surface - general	20	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23DA393	1-3	Surface - general	6	Unclassified	Preform	proximal	Unknown	Unknown
23DA393	1-4	Surface - general	1	Unclassified	Chopper	whole	Unknown	Chopper
23DA393	1-6	Surface - general	3	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23DA393	1-7	Surface - general	1	Unclassified	Blank	whole	Unknown	Unknown
23DA393	1-8	Surface - general	1	Unclassified	Blank	whole	Unknown	Unknown
23DA393	1-9	Surface - general	1	Unclassified	Blank	whole	Unknown	Unknown
23DA393	1-10	Surface - general	1	Unclassified	Blank	whole	Unknown	Unknown
23DA393	1-11	Surface - general	1	Unclassified	Blank	whole	Unknown	Unknown
23DA393	1-12	Surface - general	1	Unclassified	Blank	whole	Unknown	Unknown
23DA393	1-13	Surface - general	1	Unclassified	Preform	whole	Unknown	Unknown
23DA393	1-14	Surface - general	1	Unclassified	Preform	whole	Unknown	Unknown
23DA393	1-15	Surface - general	1	Unclassified	Preform	whole	Unknown	Unknown
23DA393	1-16	Surface - general	1	Unclassified	Preform	whole	Unknown	Unknown
23DA393	1-17	Surface - general	1	Unclassified	Preform	whole	Unknown	Unknown
23DA393	1-19	Surface - general	1	Unclassified	Preform	proximal	Unknown	Unknown
23DA393	1-20	Surface - general	1	Unclassified	Knife, bifacial	whole	Archaic, Early	Knife
23DA393	1-21	Surface - general	1	Unclassified	Biface, stemmed	proximal	Archaic, Early	Unknown
23DA393	1-22	Surface - general	1	Jakie-like	Biface, stemmed	proximal	Archaic, Middle	Unknown
23DA393	1-23	Surface - general	1	Jakie-like	Knife, bifacial	whole	Archaic, Middle	Knife
23DA393	1-24	Surface - general	1	Stone Square Stemmed	Knife, bifacial	whole	Archaic, Late	Knife
23DA393	1-25	Surface - general	1	Stone Square Stemmed	Knife, bifacial	proximal	Archaic, Late	Knife
23DA393	1-26	Surface - general	1	Stone Square Stemmed	Knife, bifacial	proximal	Archaic, Late	Knife
23DA393	1-27	Surface - general	1	Stone Square Stemmed	Knife/scrapper	proximal	Archaic, Late	Knife?
23DA393	1-28	Surface - general	1	Smith variant	Knife, bifacial	proximal	Archaic, Late	Knife
23DA393	1-29	Surface - general	1	Kings Corner Notched	Biface, stemmed	proximal	Archaic, Late	Unknown
23DA393	1-30	Surface - general	1	Kings Corner Notched var.	Knife/scrapper	whole	Archaic, Late - Woodland	Knife
23DA393	1-31	Surface - general	1	White River variant	Knife, bifacial	whole	Archaic, Late - Woodland	Knife
23DA393	1-32	Surface - general	1	Big Creek	Knife, bifacial	whole	Archaic, Middle	Knife
23DA393	1-33	Surface - general	1	Big Creek	Knife/scrapper	whole	Archaic, Late	Knife
23DA393	1-34	Surface - general	1	Big Creek	Dart point	whole	Archaic, Late	Dart point
23DA393	1-35	Surface - general	1	Big Creek	Knife, bifacial	whole	Archaic, Late	Knife
23DA393	1-36	Surface - general	1	Rice Site Notched	Knife, bifacial	whole	Woodland, Late	Knife

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Site No.	Cat. No.	Provenience	Cl.	Type Name	Artifact Description	Portion	Cultural Affiliation	Primary Function
23DA393	1-35	Surface - general	1	Stone Corner Notched	Knife, bifacial	whole	Archaic, Late	Knife
23DA393	1-36	Surface - general	1	Stone Corner Notched	Knife, bifacial	whole	Archaic, Late	Knife
23DA393	1-38	Surface - general	1	Stone Corner Notched	Biface, stemmed	proximal	Archaic, Late	Unknown
23DA393	1-39	Surface - general	1	Stone Corner Notched	Knife, bifacial	proximal	Archaic, Late	Knife
23DA393	1-40	Surface - general	1	Steuben variant	Knife/scrapper	proximal	Woodland, Middle - Late	Scrapper
23DA393	1-41	Surface - general	1	Steuben	Knife, bifacial	whole	Woodland, Middle - Late	Knife
23DA393	1-42	Surface - general	1	Big Creek	Projectile point/knife	whole	Archaic, Late	Knife
23DA393	1-43	Surface - general	1	Stone Corner Notched	Biface, stemmed	proximal	Archaic, Late	Unknown
23DA393	1-44	Surface - general	1	Stone Corner Notched?	Biface, stemmed	proximal	Archaic, Late	Unknown
23DA393	1-45	Surface - general	1	Stone Corner Notched?	Knife, bifacial	proximal	Archaic, Late	Knife
23DA393	1-46	Surface - general	1	Smith preform	Preform, abraded	proximal	Archaic, Late	Unknown
23DA393	1-47	Surface - general	1	Hanna	Knife, bifacial	whole	Archaic, Late	Knife
23DA393	1-48	Surface - general	1	Hanna	Knife, bifacial	proximal	Archaic, Late	Knife
23DA393	1-49	Surface - general	1	Hanna	Dart point	whole	Archaic, Late	Dart point
23DA393	1-50	Surface - general	1	Hanna	Dart point	whole	Archaic, Late	Dart point
23DA393	1-51	Surface - general	1	Hanna	Knife, bifacial	whole	Archaic, Late	Knife
23DA393	1-52	Surface - general	1	Hanna	Dart point	whole	Archaic, Late	Knife
23DA393	1-53	Surface - general	1	Hanna	Knife, bifacial	proximal	Archaic, Late	Knife
23DA393	1-54	Surface - general	1	Unclassified	Projectile point/knife	whole	Woodland, Middle?	Dart point
23DA393	1-55	Surface - general	1	Smith	Knife, bifacial	proximal	Archaic, Late	Knife
23DA393	1-56	Surface - general	1	Unclassified	Knife, bifacial	proximal	Unknown	Knife?
23DA393	1-57	Surface - general	10	Unclassified	Biface, stemmed	stem	Unknown	Unknown
23DA393	1-58	Surface - general	1	Kings Corner Notched	Knife, bifacial	whole	Archaic, Late - Woodland	Knife
23DA393	1-59	Surface - general	1	Kings Corner Notched	Knife, bifacial	whole	Archaic, Late - Woodland	Knife
23DA393	1-60	Surface - general	1	Table Rock Stemmed	Projectile point/knife	stem	Archaic, Late	Dart point
23DA393	1-61	Surface - general	1	Unclassified	Knife, bifacial	whole	Woodland?	Knife?
23DA393	1-62	Surface - general	1	Unclassified	Knife, bifacial	whole	Woodland	Knife
23DA393	1-63	Surface - general	1	Unclassified	Knife, bifacial	whole	Woodland?	Knife
23DA393	1-64	Surface - general	1	Unclassified	Projectile point/knife	whole	Woodland?	Arrow point
23DA393	1-65	Surface - general	1	Kings Corner Notched	Knife/scrapper	whole	Archaic, Late - Woodland	Knife
23DA393	1-66	Surface - general	1	Unclassified	Biface, stemmed	whole	Unknown	Unknown
23DA393	1-68	Surface - general	1	Unclassified	Drill, bifacial	proximal	Unknown	Perforator
23DA393	1-69	Surface - general	1	Unclassified	Drill, bifacial	proximal	Unknown	Perforator
23DA393	1-70	Surface - general	1	Unclassified	Drill, bifacial	midsection	Unknown	Perforator
23DA393	1-71	Surface - general	1	Kings Corner Notched	Knife, bifacial	whole	Archaic, Late - Woodland	Knife

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### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Prevalence	Cl.	Type Name	Artifact Description	Portion	Cultural Affiliation	Primary Function
23DA393	1-72	Surface - general	1	Stone Corner Notched var.	Dart point	whole	Archaic, Late	Dart point
23DA393	1-73	Surface - general	1	Stone Corner Notched	Knife, bifacial	proximal	Archaic, Late	Knife
23DA393	1-74	Surface - general	1	Sieuben	Knife, bifacial	whole	Woodland, Middle - Late	Knife
23DA393	1-75	Surface - general	1	Unclassified	Spokeshave, bifacial	proximal	Unknown	Scraping wood
23DA393	1-76	Surface - general	1	Gibson variant	Knife, bifacial	whole	Woodland, Middle	Knife
23DA393	1-77	Surface - general	1	Unclassified	Preform	proximal	Unknown	Unknown
23DA393	1-78	Surface - general	1	Jakle variant	Knife, bifacial	whole	Archaic, Middle	Knife
23DA393	1-79	Surface - general	1	Unclassified	Biface, stemmed	proximal	Unknown	Unknown
23DA393	1-80	Surface - general	1	Stone Corner Notched	Dart point	stem	Archaic, Late	Dart point
23DA393	1-81	Surface - general	1	Unclassified	Knife, flake	N/A	Unknown	Knife
23DA393	1-82	Surface - general	1	Unclassified	Preform	proximal	Unknown	Unknown
23DA393	1-83	Surface - general	1	Unclassified	Knife, bifacial	proximal	Unknown	Knife
23DA393	1-84	Surface - general	1	Unclassified	Dart point	stem	Unknown	Dart point
23DA393	1-85	Surface - general	1	Bl-Creek	Knife/scraper	whole	Archaic, Late	Knife
23DA393	1-86	Surface - general	1	Unclassified	Biface, stemmed	stem	Archaic, Late	Unknown
23DA393	1-87	Surface - general	1	Unclassified	Biface, stemmed	proximal	Unknown	Unknown
23DA393	1-88	Surface - general	1	Unclassified	Knife, bifacial	whole	Woodland, Middle - Late	Knife
23DA393	1-89	Surface - general	1	Unclassified	Biface, stemmed	proximal	Unknown	Unknown
23DA394	1-1	Surface - general	1	Fresno	Arrow point	whole	Unknown	Unknown
23DA394	1-2	Surface - general	2	Unclassified	Preform	proximal	Late Prehistoric?	Arrow point
23DA395	1-1	Surface - general	1	Rice Side Notched	Biface, stemmed	proximal	Unknown	Unknown
23DA395	1-2	Surface - general	1	Rice Side Notched	Projectile point/knife	whole	Woodland, Late	Unknown
23DA395	1-3	Surface - general	2	Unclassified	Preform	proximal	Woodland, Late	Knife?
23DA395	1-4	Surface - general	1	Rice Side Notched preform	Preform	basal	Unknown	Unknown
23DA395	1-5	Surface - general	1	Rice Side Notched	Knife, bifacial	whole	Woodland, Late	Knife?
23DA395	1-6	Surface - general	1	Unclassified	Preform	basal	Unknown	Unknown
23DA395	1-7	Surface - general	1	Stone Corner Notched	Biface, stemmed	proximal	Woodland, Late	Unknown
23DA396	1-1	Surface - general	1	Unclassified	Knife, bifacial	whole	Archaic, Late	Knife
23DA396	1-2	Surface - general	4	Unclassified	Preform	proximal	Unknown	Unknown
23DA396	1-3	Surface - general	1	Stone Square Stemmed	Knife, bifacial	whole	Archaic, Late	Knife
23DA396	1-4	Surface - general	1	Unclassified	Scraper, bifacial side	whole	Woodland?	Scraper
23DA396	1-5	Surface - general	1	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23DA396	1-6	Surface - general	2	Unclassified	Preform	basal	Unknown	Unknown
23DA396	1-7	Surface - general	1	Unclassified	Biface, stemmed	stem	Archaic, Late	Unknown
23DA396	1-8	Surface - general	1	Unclassified	Knife, bifacial	midsection	Unknown	Knife

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Site No.	Cat. No.	Provenience	Qtz.	Type Name	Artifact Description	Portion	Cultural Affiliation	Primary Function
23DA397	1-1	Surface - general	15	Unclassified	Preform	midsection	Unknown	Unknown
23DA397	1-2	Surface - general	1	Unclassified	Blank	proximal	Unknown	Unknown
23DA397	1-3	Surface - general	4	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23DA397	1-4	Surface - general	5	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23DA397	1-5	Surface - general	1	Unclassified	Scraper, bifacial end	basal	Unknown	Scraper
23DA397	1-6	Surface - general	1	Unclassified	Drill, bifacial	midsection	Unknown	Perforator
23DA397	1-7	Surface - general	1	Unclassified	Preform	whole	Unknown	Unknown
23DA397	1-8	Surface - general	1	Jakie variant	Projectile point/knife	whole	Archaic, Middle	Dart point
23DA397	1-9	Surface - general	1	Big Creek variant	Dart point	whole	Archaic, Late	Dart point
23DA397	1-10	Surface - general	1	Big Creek	Knife, bifacial	whole	Archaic, Late	Knife
23DA397	1-11	Surface - general	1	Big Creek	Knife, bifacial	proximal	Archaic, Late	Knife
23DA397	1-12	Surface - general	1	Big Creek	Biface, stemmed	proximal	Archaic, Late	Unknown
23DA397	1-13	Surface - general	1	Unclassified	Knife, bifacial	whole	Archaic, Late?	Knife
23DA397	1-14	Surface - general	1	Standee	Knife, bifacial	whole	Archaic, Term. - Woodland	Knife
23DA397	1-15	Surface - general	1	Hanna	Dart point	stem	Archaic, Late	Dart point
23DA397	1-16	Surface - general	1	Hanna variant	Dart point	stem	Archaic, Late	Dart point
23DA397	1-17	Surface - general	1	Table Rock variant	Knife, bifacial	proximal	Archaic, Late	Knife
23DA397	1-18	Surface - general	1	Unclassified	Biface, stemmed	stem	Unknown	Unknown
23DA398	1-1	Surface - general	1	Unclassified	Preform	proximal	Unknown	Unknown
23DA398	1-2	Surface - general	1	Unclassified	Preform	midsection	Unknown	Unknown
23DA398	1-3	Surface - general	2	Unclassified	Preform	midsection	Unknown	Unknown
23DA398	1-4	Surface - general	1	Unclassified	Biface, stemmed	proximal	Unknown	Unknown
23DA398	1-5	Surface - general	1	Rice Side Notched	Knife, bifacial	whole	Woodland, Late	Knife
23DA398	1-6	Surface - general	1	Stueben variant?	Knife, bifacial	whole	Woodland, Middle - Late	Knife
23DA398	1-7	Surface - general	1	Unclassified	Biface	midsection	Unknown	Unknown
23DA399	1-1	Surface - general	2	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23DA400	1-1	Surface - general	1	Dalton	Knife/scraper	whole	Archaic, Early	Knife
23DA400	1-2	Surface - general	9	Unclassified	Preform	midsection	Unknown	Unknown
23DA400	1-3	Surface - general	1	Smith	Knife, bifacial	proximal	Archaic, Late	Knife
23DA400	1-4	Surface - general	1	Smith	Projectile point/knife	whole	Archaic, Late	Knife
23DA400	1-5	Surface - general	1	Unclassified	Blank	whole	Unknown	Unknown
23DA400	1-6	Surface - general	1	Unclassified	Scraper, flake	N/A	Unknown	Scraper
23DA400	1-7	Surface - general	1	Unclassified	Biface, stemmed	stem	Archaic, Late	Unknown
23DA400	1-8	Surface - general	1	Smith	Projectile point/knife	whole	Archaic, Late - Woodland	Unknown
23DA400	1-9	Surface - general	1	Kings Corner Notched Stone Corner Notched	Knife, bifacial	whole	Archaic, Late	Knife

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Site No.	Cat. No.	Provenience	Ct.	Type Name	Artifact Description	Portion	Cultural Affiliation	Primary Function
23DA400	1-10	Surface - general	1	Table Rock variant	Biface, stemmed	proximal	Archaic, Late	Unknown
23DA400	1-11	Surface - general	1	Langtry	Knife, bifacial	whole	Archaic, Late - Woodland	Knife
23DA400	1-13	Surface - general	1	Unclassified	Arrow point	whole	Unknown	Arrow point?
23DA400	1-14	Surface - general	1	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23DA400	1-15	Surface - general	1	Unclassified	Biface	midsection	Unknown	Unknown
23DA401	1-1	Surface - general	1	Rice Side Notched	Knife, bifacial	whole	Woodland, Late	Knife
23DA401	1-2	Surface - general	24	Unclassified	Preform	basal	Unknown	Unknown
23DA401	1-3	Surface - general	1	Stone Corner Notched	Biface, stemmed	proximal	Archaic, Late	Unknown
23DA401	1-4	Surface - general	1	Stone Corner Notched	Knife, bifacial	proximal	Archaic, Late	Knife
23DA401	1-5	Surface - general	1	Stone Corner Notched	Knife, bifacial	whole	Archaic, Late	Knife
23DA401	1-6	Surface - general	1	Stone Corner Notched	Projectile point/knife	whole	Archaic, Late	Knife
23DA401	1-7	Surface - general	1	Stone Corner Notched	Knife, bifacial	proximal	Archaic, Late	Knife
23DA401	1-8	Surface - general	1	Stone Corner Notched	Knife, bifacial	proximal	Archaic, Late	Knife?
23DA401	1-9	Surface - general	1	Stone Corner Notched	Knife, bifacial	proximal	Archaic, Late	Knife
23DA401	1-10	Surface - general	1	Stone Corner Notched	Knife, bifacial	proximal	Archaic, Late	Knife
23DA401	1-11	Surface - general	1	Big Creek	Biface, stemmed	proximal	Archaic, Late	Unknown
23DA401	1-12	Surface - general	1	Grand	Knife, bifacial	proximal	Woodland, Middle	Unknown
23DA401	1-13	Surface - general	4	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23DA401	1-14	Surface - general	3	Unclassified	Biface	midsection	Unknown	Unknown
23DA401	1-15	Surface - general	4	Unclassified	Biface	midsection	Unknown	Unknown
23DA401	1-16	Surface - general	1	Stone Corner Notched	Dart point	whole	Archaic, Late	Dart point
23DA401	1-17	Surface - general	1	Stone Square Stemmed	Projectile point/knife	whole	Archaic, Late	Dart point
23DA401	1-18	Surface - general	1	Big Creek?	Dart point	proximal	Archaic, Late?	Dart point
23DA401	1-19	Surface - general	1	Unclassified	Knife, bifacial	proximal	Archaic, Late?	Knife
23DA401	1-20	Surface - general	1	Unclassified	Knife, bifacial	whole	Archaic, Late?	Knife
23DA401	1-21	Surface - general	1	Unclassified	Knife, bifacial	whole	Archaic, Late?	Knife
23DA401	1-22	Surface - general	1	Unclassified	Biface, stemmed	whole	Unknown	Unknown
23DA401	1-23	Surface - general	1	Unclassified	Blank	whole	Unknown	Unknown
23DA401	1-24	Surface - general	1	Unclassified	Knife, bifacial	whole	Unknown	Knife
23DA401	1-25	Surface - general	1	Unclassified	Preform	whole	Unknown	Unknown
23DA401	1-26	Surface - general	1	Unclassified	Preform	basal	Unknown	Unknown
23DA401	1-27	Surface - general	1	Unclassified	Blank	whole	Unknown	Unknown
23DA401	1-27	Surface - general	1	Unclassified	Blank	whole	Unknown	Unknown
23DA402	1-1	Surface - general	1	White River	Knife, bifacial	whole	Archaic, Middle	Knife
23DA402	1-2	Surface - general	3	Unclassified	Preform	midsection	Unknown	Unknown
23DA402	1-3	Surface - general	1	Stone Corner Notched?	Knife, bifacial	proximal	Archaic, Late	Knife

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Site No.	Cat. No.	Provenience	Cl.	Type Name	Artifact Description	Portion	Cultural Affiliation	Primary Function
23DA402	1-4	Surface - general	2	Unclassified	Biface, unstemmed	proximal	Unknown	Unknown
23DA403	1-1	Surface - general	1	Nolan	Projectile point/knife	whole	Archaic, Middle	Knife
23DA403	1-2	Surface - general	1	Unclassified	Biface	midsection	Unknown	Unknown
23DA403	1-3	Surface - general	3	Unclassified	Biface	fragment	Unknown	Unknown
23DA403	1-4	Surface - general	3	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23DA403	1-5	Surface - general	1	Slope Corner Notched	Knife, bifacial	whole	Archaic, Late	Knife
23DA403	1-6	Surface - general	1	Unclassified	Knife, bifacial	whole	Archaic, Middle	Knife
23DA405	1-1	Surface - general	1	Kings Corner Notched	Knife, bifacial	whole	Archaic, Late - Woodland	Knife
23DA405	1-2	Surface - general	1	Stone Corner Notched	Dart point	whole	Archaic, Late	Dart point
23DA405	1-3	Surface - general	1	Scallorn	Arrow point	whole	Woodland, Late-Mississipp	Arrow point
23DA405	1-4	Surface - general	1	Unclassified	Scraper, core	whole	Woodland	Scraper
23DA405	1-5	Surface - general	1	Unclassified	Biface	midsection	Unknown	Unknown
23DA405	1-6	Surface - general	1	Unclassified	Preform	midsection	Unknown	Unknown
23DA406	1-1	Surface - general	1	Unclassified	Knife, bifacial	proximal	Unknown	Knife
23DA407	1-2	Surface - general	1	Unclassified	Knife, flake	N/A	Unknown	Knife
23DA407	1-4	Surface - general	1	Unclassified	Knife, bifacial	proximal	Unknown	Knife
23DA408	1-1	Surface - general	1	Stone Square Stemmed	Knife, bifacial	whole	Archaic, Late	Knife
23DA408	1-2	Surface - general	1	Lander Corner Notched	Knife, bifacial	whole	Woodland	Knife
23DA408	1-3	Surface - general	1	Unclassified	Scraper, flake	N/A	Unknown	Scraper
23DA408	1-4	Surface - general	1	Unclassified	Preform	midsection	Unknown	Unknown
23DA408	1-5	Surface - general	1	Unclassified	Knife, flake	N/A	Unknown	Knife
23DA410	1-1	Surface - general	1	Squayah	Arrow point	whole	Mississipp	Arrow point
23DA412	1-1	Surface - general	1	Scallorn	Arrow point	whole	Woodland, Late-Mississipp	Arrow point
23DA412	1-2	Surface - general	1	Keota	Arrow point	whole	Mississipp	Arrow point
23DA412	1-3	Surface - general	1	Haskell	Arrow point	whole	Mississipp	Arrow point
23DA412	1-4	Surface - general	1	Steuben-like	Biface, stemmed	proximal	Woodland, Middle - Late	Unknown
23DA413	1-1	Surface - general	1	Big Creek	Biface, stemmed	proximal	Archaic, Late	Unknown
23PO230	1-1	Surface - Area 2I	1	White River	Dart point	whol	Archaic, Middle	Dart point
23PO230	1-2	Surface - Area I	1	Kings Corner Notched	Knife, bifacial	proximal	Archaic, Late - Woodland	Knife
23PO230	1-3	Surface - Area I	1	Dickson	Projectile point/knife	proximal	Woodland, Middle	Knife
23PO230	1-4	Surface - Area I	1	Scallorn	Arrow point	stem	Woodland, Late-Mississipp	Arrow point
23PO304	1-1	Surface - general	1	White River	Knife, bifacial	whole	Archaic, Middle	Knife
23PO304	1-2	Surface - general	1	Big Creek	Biface, stemmed	proximal	Archaic, Late	Unknown
23PO304	1-3	Surface - general	1	Unclassified	Knife, bifacial	whole	Unknown	Knife
23PO304	1-4	Surface - general	1	Unclassified	Preform	distal	Unknown	Unknown

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Site No.	Cat. No.	Provenience	Ct.	Type Name	Artifact Description	Portion	Cultural Affiliation	Primary Function
23PO304	1-5	Surface - general	1	Unclassified	Preform	midsection	Unknown	Unknown
23PO320	1-1	Surface - general	1	Unclassified	Biface	edge	Unknown	Unknown
23PO320	1-2	Surface - general	1	Unclassified	Preform	proximal	Unknown	Unknown
23PO351	1-1	Surface - Area C	1	Rice variant	Knife, bifacial	whole	Archaic, Middle	Knife
23PO351	1-2	Surface - Area C	1	Flint	Knife, bifacial	whole	Archaic, Late	Knife
23PO351	1-3	Surface - Area C	1	Grind	Knife/scaper	whole	Woodland, Middle	Knife
23PO351	1-4	Surface - Area C	7	Unclassified	Biface	midsection	Unknown	Unknown
23PO351	1-5	Surface - Area C	4	Unclassified	Preform	midsection	Unknown	Unknown
23PO351	1-6	Surface - Area C	6	Unclassified	Biface	midsection	Unknown	Unknown
23PO351	1-7	Surface - Area C	1	Big Creek	Dart point	stem	Archaic, Late	Unknown
23PO351	1-8	Surface - Area C	1	Big Creek	Dart point	stem	Archaic, Late	Unknown
23PO351	1-9	Surface - Area C	1	Stone Square Stemmed	Dart point	stem	Archaic, Late	Dart point?
23PO351	1-10	Surface - Area C	1	Unclassified	Biface, stemmed	proximal	Archaic, Late	Unknown
23PO351	1-11	Surface - Area C	1	Scallom	Arrow point?	whole	Woodland, Late-Mississipp	Arrow point
23PO351	1-12	Surface - Area C	1	Table Rock variant	Biface, stemmed	proximal	Archaic, Late	Unknown
23PO351	1-13	Surface - Area C	1	Unclassified	Knife, bifacial	whole	Archaic, Late	Knife
23PO351	1-14	Surface - Area C	1	Unclassified	Preform	whole	Unknown	Unknown
23PO351	1-15	Surface - Area C	1	Unclassified	Preform	proximal	Unknown	Unknown
23PO351	1-16	Surface - Area C	1	Unclassified	Preform	proximal	Unknown	Unknown
23PO351	1-17	Surface - Area C	1	Unclassified	Preform	proximal	Unknown	Unknown
23PO351	1-18	Surface - Area C	1	Unclassified	Preform	proximal	Unknown	Unknown
23PO351	1-19	Surface - Area C	1	Unclassified	Biface	midsection	Unknown	Unknown
23PO351	2-1	Surface - Area D	1	Knife Corner Notched	Biface	midsection	Unknown	Unknown
23PO351	2-2	Surface - Area D	9	Unclassified	Knife, bifacial	whole	Archaic, Late - Woodland	Knife
23PO351	2-3	Surface - Area D	6	Unclassified	Preform	midsection	Unknown	Unknown
23PO351	2-4	Surface - Area D	5	Unclassified	Biface	midsection	Unknown	Unknown
23PO351	2-8	Surface - Area D	1	Unclassified	Preform	whole	Unknown	Unknown
23PO351	2-9	Surface - Area D	1	Unclassified	Preform	proximal	Unknown	Unknown
23PO351	2-10	Surface - Area D	1	Unclassified	Preform	proximal	Unknown	Unknown
23PO351	2-11	Surface - Area D	1	Unclassified	Preform	proximal	Unknown	Unknown
23PO351	2-12	Surface - Area D	1	Stone Corner Notched	Biface, stemmed	proximal	Archaic, Late	Unknown
23PO351	2-13	Surface - Area D	1	Big Creek	Knife, bifacial	proximal	Archaic, Late	Knife
23PO351	2-14	Surface - Area D	1	Stone Corner Notched	Preform	proximal	Archaic, Late	Unknown
23PO351	2-15	Surface - Area D	1	Big Creek	Biface, stemmed	proximal	Archaic, Late	Unknown
23PO351	2-16	Surface - Area D	1	Unclassified	Knife, bifacial	whole	Archaic, Middle	Knife

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### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Provenience	Ct.	Type Name	Artifact Description	Portion	Cultural Affiliation	Primary Function
23PO351	2-17	Surface - Area D	1	Unclassified	Drill, bifacial	midsection	Unknown	Perforator
23PO351	3-1	Surface - Area A	1	Steuben variant	Knife, bifacial	whole	Woodland, Middle - Late	Knife
23PO351	3-2	Surface - Area A	1	Hanna variant	Knife, bifacial	proximal	Archaic, Late	Knife
23PO351	3-3	Surface - Area A	1	Hanna	Biface, stemmed	proximal	Archaic, Late	Unknown
23PO351	3-4	Surface - Area A	1	Unclassified	Projectile point/knife	proximal	Archaic, Middle	Knife
23PO351	3-5	Surface - Area A	1	Big Creek	Biface, stemmed	proximal	Archaic, Late	Unknown
23PO351	3-6	Surface - Area A	7	Unclassified	Biface	midsection	Unknown	Unknown
23PO351	3-7	Surface - Area A	5	Unclassified	Biface	midsection	Unknown	Unknown
23PO351	3-8	Surface - Area A	5	Unclassified	Knife, bifacial	midsection	Unknown	Unknown
23PO351	3-9	Surface - Area A	1	Unclassified	Dart point	stem	Mississippi?	Unknown
23PO351	3-10	Surface - Area A	1	Unclassified	Knife, bifacial	whole	Unknown	Knife
23PO351	3-11	Surface - Area A	1	Unclassified	Preform	proximal	Unknown	Unknown
23PO351	4-1	Surface - Area B	1	Delton	Knife, bifacial	whole	Archaic, Early	Knife
23PO351	4-2	Surface - Area B	1	Table Rock Stemmed	Knife, bifacial	whole	Archaic, Late	Knife
23PO351	4-3	Surface - Area B	1	Unclassified	Projectile point/knife	midsection	Unknown	Knife
23PO351	4-4	Surface - Area B	1	Table Rock Stemmed	Biface, stemmed	proximal	Archaic, Late	Unknown
23PO351	4-5	Surface - Area B	1	Unclassified	Dart point	stem	Unknown	Unknown
23PO351	4-6	Surface - Area B	1	Unclassified	Knife, bifacial	proximal	Unknown	Knife
23PO351	4-7	Surface - Area B	7	Unclassified	Preform	proximal	Unknown	Unknown
23PO351	4-8	Surface - Area B	6	Unclassified	Biface, unstemmed	proximal	Unknown	Unknown
23PO351	4-9	Surface - Area B	2	Unclassified	Knife, bifacial	proximal	Unknown	Knife
23PO351	4-10	Surface - Area B	1	Unclassified	Preform	proximal	Unknown	Unknown
23PO355	1-1	Surface - general	1	Ellis-like	Dart point	whole	Archaic, Late	Dart point
23PO355	1-2	Surface - general	1	Unclassified	Biface, stemmed	whole	Archaic?	Unknown
23PO355	1-3	Surface - general	1	Scallorn	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23PO355	1-4	Surface - general	1	Eiley	Knife, bifacial	whole	Archaic, Late	Knife
23PO355	1-5	Surface - general	5	Unclassified	Preform	midsection	Unknown	Unknown
23PO355	1-6	Surface - general	2	Unclassified	Biface	midsection	Unknown	Unknown
23PO355	1-7	Surface - general	1	Unclassified	Knife, bifacial	midsection	Archaic, Late?	Knife
23PO355	1-8	Surface - general	1	Unclassified	Knife, bifacial	whole	Unknown	Knife
23PO355	1-9	Surface - general	1	Unclassified	Knife, bifacial	proximal	Archaic, Middle	Knife
23PO355	1-10	Surface - general	1	Hanna	Knife, bifacial	whole	Archaic, Late	Knife
23PO355	1-11	Surface - general	1	Unclassified	Knife, bifacial	proximal	Unknown	Knife
23PO357	1-1	Surface - Area A	1	Scallorn-like	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23PO357	1-2	Surface - Area A	1	Unclassified	Knife, bifacial	proximal	Unknown	Knife

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Provenience	Ct.	Type Name	Artifact Description	Portion	Cultural Affiliation	Primary Function
23PO357	1-3	Surface - Area A	1	Big Creek	Knife, bifacial	whole	Archaic, Late	Knife
23PO357	1-4	Surface - Area A	1	Big Creek	Knife, bifacial	whole	Archaic, Late	Knife
23PO357	1-5	Surface - Area A	1	Unclassified	Biface, stemmed	proximal	Unknown	Unknown
23PO357	1-6	Surface - Area A	1	Unclassified	Biface, stemmed	proximal	Unknown	Unknown
23PO357	1-7	Surface - Area A	1	Unclassified	Preform	whole	Unknown	Unknown
23PO357	1-8	Surface - Area A	3	Unclassified	Preform	midsection	Unknown	Unknown
23PO357	2-1	Surface - Area B	14	Unclassified	Preform	midsection	Unknown	Unknown
23PO357	2-2	Surface - Area B	1	Smith	Knife, bifacial	whole	Archaic, Late	Knife
23PO357	2-3	Surface - Area B	1	Big Creek	Biface, stemmed	proximal	Archaic, Late	Unknown
23PO357	2-4	Surface - Area B	1	Enser	Knife, bifacial	whole	Archaic, Late	Knife
23PO357	2-5	Surface - Area B	1	Table Rock Stemmed	Dart point	stem	Archaic, Late	Dart point?
23PO357	2-6	Surface - Area B	1	Unclassified	Knife, bifacial	midsection	Archaic, Late	Knife
23PO359	1-1	Surface - general	31	Unclassified	Preform	midsection	Unknown	Unknown
23PO359	1-2	Surface - general	11	Unclassified	Biface	midsection	Unknown	Unknown
23PO359	1-3	Surface - general	6	Unclassified	Biface	midsection	Unknown	Unknown
23PO359	1-4	Surface - general	9	Unclassified	Biface, unstemmed	basal	Unknown	Unknown
23PO359	1-5	Surface - general	1	Dalton	Knife, bifacial	proximal	Archaic, Early	Knife
23PO359	1-6	Surface - general	1	Steuben	Knife, bifacial	whole	Woodland, Middle - Late	Knife
23PO359	1-7	Surface - general	1	Unclassified	Knife, bifacial	whole	Archaic, Late?	Dart point
23PO359	1-8	Surface - general	1	Big Creek	Dart point	whole	Archaic, Late	Knife
23PO359	1-9	Surface - general	1	Big Creek variant	Knife, bifacial	whole	Archaic, Late	Knife
23PO359	1-10	Surface - general	1	Big Creek	Knife, bifacial	whole	Archaic, Late	Dart point
23PO359	1-11	Surface - general	1	Unclassified	Dart point	whole	Unknown	Unknown
23PO359	1-12	Surface - general	1	Unclassified	Biface, stemmed	stem	Woodland?	Perforator
23PO359	1-13	Surface - general	1	Big Creek	Drill, bifacial	whole	Archaic, Late	Knife
23PO359	1-14	Surface - general	1	Table Rock variant	Projectile point/knife	proximal	Archaic, Late	Dart point
23PO359	1-15	Surface - general	1	Unclassified	Dart point	stem	Woodland?	Unknown
23PO359	1-16	Surface - general	1	Preform	Preform	whole	Woodland?	Arrow point
23PO359	1-17	Surface - general	1	Crisp Ovate	Arrow point	whole	Mississippi	Dart point
23PO359	1-18	Surface - general	1	White River	Dart point	whole	Archaic, Middle	Dart point
23PO359	1-19	Surface - general	1	White River	Dart point	whole	Archaic, Middle	Dart point
23PO359	1-20	Surface - general	1	White River	Dart point	whole	Archaic, Middle	Dart point
23PO359	1-21	Surface - general	1	Big Creek	Dart point	whole	Archaic, Late	Scraper
23PO359	1-22	Surface - general	1	Stone Corner Notched	Scraper, bifacial end	whole	Archaic, Late	Unknown
23PO359	1-22	Surface - general	1	Big Creek	Biface, stemmed	proximal	Archaic, Late	Knife
23PO359	1-23	Surface - general	1	Hanna	Knife, bifacial	proximal	Archaic, Late	Knife
23PO359	1-23	Surface - general	1	Hanna	Knife, bifacial	proximal	Archaic, Late	Knife

## APPENDIX B

### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Provenience	CU	Type Name	Artifact Description	Portion	Cultural Affiliation	Primary Function
23PO359	1-24	Surface - general	1	Kings Corner Notched	Biface, stemmed	stem	Archaic, Late - Woodland	Unknown
23PO359	1-25	Surface - general	1	Unclassified	Arrow point	midsection	Woodland	Arrow point
23PO359	1-26	Surface - general	1	Big Creek	Knife, bifacial	proximal	Archaic, Late	Knife
23PO359	1-27	Surface - general	1	Unclassified	Drill, bifacial	midsection	Woodland?	Perforator
23PO359	1-28	Surface - general	1	Duncan	Biface, stemmed	proximal	Archaic, Late	Unknown
23PO359	1-29	Surface - general	1	Hanna	Biface, stemmed	whole	Archaic, Late	Unknown
23PO359	1-30	Surface - general	1	Hanna	Biface, stemmed	proximal	Archaic, Late	Unknown
23PO359	1-31	Surface - general	1	Calf Creek?	Knife, bifacial	midsection	Archaic, Middle	Knife
23PO360	1-3	Surface - Area B	1	Kings Corner Notched	Knife, bifacial	whole	Archaic, Late - Woodland	Knife
23PO360	1-4	Surface - Area B	1	Table Rock Stemmed	Knife, bifacial	whole	Archaic, Late	Dart point
23PO360	1-5	Surface - Area B	19	Unclassified	Dart point	whole	Archaic, Late	Unknown
23PO360	1-6	Surface - Area B	1	Unclassified	Preform	midsection	Unknown	Unknown
23PO360	1-7	Surface - Area B	1	Kings Corner Notched	Scraper, flake	N/A	Woodland	Scraper
23PO360	1-8	Surface - Area B	1	Unclassified	Knife, bifacial	whole	Archaic, Late - Woodland	Knife
23PO360	1-9	Surface - Area B	1	Big Creek	Knife, bifacial	distal	Unknown	Knife
23PO360	1-10	Surface - Area B	1	Stone Corner Notched	Knife, bifacial	whole	Archaic, Late	Knife
23PO360	1-11	Surface - Area B	1	Unclassified	Knife, bifacial	proximal	Archaic, Late	Knife
23PO360	1-12	Surface - Area B	1	Unclassified	Knife, bifacial	midsection	Woodland?	Knife
23PO360	1-13	Surface - Area B	1	Waubesa	Knife, bifacial	whole	Woodland	Knife
23PO360	1-14	Surface - Area B	1	Dickson	Knife, bifacial	whole	Woodland, Middle	Knife
23PO360	1-15	Surface - Area B	1	Dickson	Projectile point/knife	whole	Woodland, Middle	Unknown
23PO360	1-16	Surface - Area B	1	Langtry	Biface, stemmed	proximal	Woodland, Middle	Unknown
23PO360	1-17	Surface - Area B	1	Rice Side Notched	Biface, stemmed	proximal	Archaic, Late - Woodland	Unknown
23PO360	1-18	Surface - Area B	1	Rice Side Notched	Knife, bifacial	whole	Woodland, Late	Knife?
23PO360	1-19	Surface - Area B	4	Unclassified	Biface, stemmed	proximal	Woodland, Late	Unknown
23PO360	1-20	Surface - Area B	2	Unclassified	Biface, stemmed	proximal	Woodland, Late	Unknown
23PO360	1-21	Surface - Area B	1	Unclassified	Drill, bifacial	midsection	Woodland?	Perforator
23PO360	1-22	Surface - Area A	1	Godar variant	Biface	midsection	Unknown	Unknown
23PO360	2-1	Surface - Area A	1	Fairland-like	Knife, bifacial	tip	Unknown	Knife
23PO360	2-2	Surface - Area A	1	Koster-like	Knife/scraper	distal	Unknown	Knife
23PO360	2-3	Surface - Area A	1	Unclassified	Knife, bifacial	whole	Archaic, Late	Knife
23PO360	2-4	Surface - Area A	1	Unclassified	Knife, bifacial	whole	Archaic, Late	Knife
23PO360	2-5	Surface - Area A	2	Unclassified	Arrow point	whole	Woodland, Late	Arrow point
23PO360	2-6	Surface - Area A	1	Unclassified	Preform	whole	Unknown	Unknown
23PO361	1-1	Surface - general	1	Stone Corner Notched var.	Knife, bifacial	midsection	Unknown	Unknown
					Drill, bifacial	proximal	Woodland?	Perforator
					Knife, bifacial	proximal	Archaic, Late	Knife

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Site No.	Cat. No.	Provenience	CL	Type Name	Artifact Description	Portion	Cultural Affiliation	Primary Function
23PO361	1-2	Surface - general	1	Big Creek	Knife, bifacial	proximal	Archaic, Late	Knife
23PO361	1-3	Surface - general	1	Unclassified	Knife, bifacial	whole	Woodland	Knife
23PO361	1-4	Surface - general	1	Langtry	Biface, stemmed	proximal	Archaic, Late - Woodland	Unknown
23PO361	1-5	Surface - general	1	Koota	Arrow point	whole	Mississippi	Arrow point
23PO361	1-6	Surface - general	1	Table Rock variant	Biface, stemmed	proximal	Archaic, Late	Unknown
23PO361	1-7	Surface - general	2	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23PO361	1-8	Surface - general	7	Unclassified	Preform	midsection	Unknown	Unknown
23PO366	1-1	Surface - general	1	Unclassified	Knife, bifacial	whole	Unknown (Archaic?)	Knife
23PO366	1-2	Surface - general	1	Langtry	Knife, bifacial	whole	Archaic, Late - Woodland	Knife
23PO366	1-3	Surface - general	15	Unclassified	Preform	midsection	Unknown	Unknown
23PO366	1-4	Surface - general	7	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23PO366	1-5	Surface - general	4	Unclassified	Biface	midsection	Unknown	Unknown
23PO366	1-6	Surface - general	1	Smith variant	Knife, bifacial	whole	Archaic, Late	Knife
23PO366	1-7	Surface - general	1	Smith	Projectile point/knife	whole	Archaic, Late	Knife
23PO366	1-8	Surface - general	1	Unclassified	Knife, bifacial	whole	Archaic, Late	Knife
23PO366	1-9	Surface - general	1	Unclassified	Knife, bifacial	whole	Archaic, Late	Knife
23PO366	1-10	Surface - general	1	Steuben	Knife, bifacial	whole	Archaic, Middle	Knife
23PO366	1-11	Surface - general	1	Stone Corner Notched	Knife, bifacial	whole	Archaic, Middle	Knife
23PO366	1-12	Surface - general	1	Kings Corner Notched	Knife, bifacial	whole	Woodland, Middle - Late	Knife
23PO366	1-13	Surface - general	1	Table Rock variant	Knife, bifacial	whole	Archaic, Late - Woodland	Knife
23PO366	1-14	Surface - general	1	Table Rock variant	Dart point	stem	Archaic, Late	Dart point?
23PO366	1-15	Surface - general	1	Table Rock variant	Knife, bifacial	proximal	Archaic, Late	Knife
23PO366	1-16	Surface - general	1	Table Rock variant	Biface, stemmed	proximal	Archaic, Late	Unknown
23PO366	1-17	Surface - general	1	Langtry	Knife, bifacial	whole	Archaic, Late - Woodland	Knife
23PO366	1-18	Surface - general	1	Langtry	Knife, bifacial	proximal	Archaic, Late - Woodland	Knife
23PO366	1-19	Surface - general	1	Dickson	Knife, bifacial	whole	Archaic, Late - Woodland	Knife
23PO366	1-20	Surface - general	1	Langtry	Knife, bifacial	whole	Woodland, Middle	Knife
23PO366	1-21	Surface - general	1	Scallion	Knife, bifacial	proximal	Archaic, Late - Woodland	Knife
23PO366	1-22	Surface - general	1	Scallion	Arrow point	whole	Archaic, Late - Woodland	Arrow point
23PO366	1-23	Surface - general	1	Scallion	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23PO366	1-24	Surface - general	1	Sequoyah	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23PO366	1-25	Surface - general	1	Sallisaw	Arrow point	proximal	Mississippi	Arrow point
23PO366	1-26	Surface - general	1	Unclassified	Arrow point	proximal	Mississippi	Arrow point
23PO366	1-27	Surface - general	1	Unclassified	Arrow point	tip	Mississippi	Arrow point
23PO366	1-28	Surface - general	1	Unclassified	Arrow point	midsection	Unknown	Arrow point
23PO366	1-29	Surface - general	1	Unclassified	Adze	whole	Unknown	Woodworking, heavy
23PO366	1-30	Surface - general	1	Unclassified	Preform	proximal	Unknown	Unknown
23PO366	1-31	Surface - general	1	Unclassified	Scraper, bifacial end	proximal	Mississippi	Scraper

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Site No.	Cat. No.	Provenience	CL	Type Name	Artifact Description	Portion	Cultural Affiliation	Primary Function
23PO366	1-29	Surface - general	1	Unclassified	Knife, bifacial	whole	Unknown	Knife
23PO366	1-30	Surface - general	2	Unclassified	Biface, stemmed	proximal	Archaic, Late?	Unknown
23PO366	1-31	Surface - general	1	Langtry?	Biface, stemmed	proximal	Archaic, Late - Woodland	Unknown
23PO366	1-32	Surface - general	1	Unclassified	Preform	proximal	Unknown	Unknown
23PO366	1-34	Surface - general	1	Unclassified	Preform	whole	Unknown	Unknown
23PO366	1-35	Surface - general	1	Unclassified	Preform	whole	Unknown	Unknown
23PO366	1-36	Surface - general	1	Unclassified	Preform, aborted	distal	Unknown	Unknown
23PO370	1-1	Surface - general	24	Unclassified	Preform	midsection	Unknown	Unknown
23PO370	1-2	Surface - general	9	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23PO370	1-3	Surface - general	11	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23PO370	1-4	Surface - general	1	Stone Corner Notched	Knife, bifacial	whole	Archaic, Late	Knife
23PO370	1-5	Surface - general	1	Dickson	Knife, bifacial	whole	Archaic, Late	Knife
23PO370	1-6	Surface - general	1	Dickson	Knife, bifacial	whole	Woodland, Middle	Knife
23PO370	1-7	Surface - general	1	Dickson	Projectile point/knife	whole	Woodland, Middle	Knife
23PO370	1-8	Surface - general	1	Unclassified	Knife, bifacial	proximal	Woodland, Middle	Knife?
23PO370	1-9	Surface - general	1	Steuben	Knife, bifacial	whole	Woodland	Knife?
23PO370	1-10	Surface - general	1	Waubesa	Knife, bifacial	whole	Woodland, Middle - Late	Knife
23PO370	1-11	Surface - general	1	Unclassified	Knife, bifacial	whole	Woodland	Knife
23PO370	1-12	Surface - general	1	Stone Corner Notched var.	Knife, bifacial	whole	Woodland?	Knife (for wood)
23PO370	1-13	Surface - general	1	Stone Corner Notched	Biface, stemmed	proximal	Archaic, Late	Knife
23PO370	1-14	Surface - general	1	Copona-like	Biface, unstemmed	proximal	Archaic, Late	Unknown
23PO370	1-15	Surface - general	1	White River	Dart point	stem	Woodland	Unknown
23PO370	1-16	Surface - general	1	Smith variant	Knife, bifacial	proximal	Archaic, Middle	Dart point
23PO370	1-17	Surface - general	1	Table Rock Stemmed	Knife, bifacial	proximal	Archaic, Late	Knife
23PO370	1-18	Surface - general	1	Table Rock variant	Dart point	stem	Archaic, Late	Dart point
23PO370	1-19	Surface - general	1	Kings Corner Notched	Knife, bifacial	whole	Archaic, Late	Knife
23PO370	1-20	Surface - general	1	Kings Corner Notched	Knife, bifacial	whole	Archaic, Late - Woodland	Knife
23PO370	1-21	Surface - general	1	Kings Corner Notched	Knife, bifacial	whole	Archaic, Late - Woodland	Knife
23PO370	1-22	Surface - general	1	Kings Corner Notched?	Biface, stemmed	stem	Archaic, Late - Woodland	Unknown
23PO370	1-23	Surface - general	1	Unclassified	Dart point	whole	Archaic, Late - Woodland	Dart point
23PO370	1-24	Surface - general	1	Unclassified	Knife, bifacial	proximal	Archaic, Middle-Late	Knife
23PO370	1-25	Surface - general	1	Unclassified	Knife, bifacial	whole	Archaic, Middle-Late	Knife
23PO370	1-26	Surface - general	1	Stone Corner Notched var.	Biface, stemmed	proximal	Archaic, Late?	Unknown
23PO370	1-27	Surface - general	1	Unclassified	Knife, bifacial	whole	Archaic, Late?	Knife
23PO370	1-28	Surface - general	1	Unclassified	Knife, bifacial	proximal	Unknown	Knife
23PO370	1-28	Surface - general	1	Unclassified	Knife/scraper	whole	Woodland?	Scraper

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Site No.	Cat. No.	Provenience	Ct.	Type Name	Artifact Description	Portion	Cultural Affiliation	Primary Function
23PO370	1-29	Surface - general	1	Scallom	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23PO370	1-30	Surface - general	1	Scallom	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23PO370	1-31	Surface - general	1	Scallom	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23PO370	1-32	Surface - general	1	Scallom	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23PO370	1-33	Surface - general	1	Scallom	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23PO370	1-34	Surface - general	1	Scallom	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23PO370	1-35	Surface - general	1	Scallom	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23PO370	1-36	Surface - general	1	Scallom	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23PO370	1-37	Surface - general	1	Scallom	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23PO370	1-38	Surface - general	1	Scallom	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23PO370	1-39	Surface - general	1	Scallom	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23PO370	1-40	Surface - general	1	Sequoyah	Arrow point	whole	Mississippi	Arrow point
23PO370	1-41	Surface - general	1	Sequoyah?	Arrow point	whole	Mississippi	Arrow point
23PO370	1-42	Surface - general	1	Hastell	Arrow point	whole	Mississippi	Arrow point
23PO370	1-43	Surface - general	1	Hastell	Arrow point	whole	Mississippi	Arrow point
23PO370	1-44	Surface - general	1	Sallisaw	Arrow point	whole	Mississippi	Arrow point
23PO370	1-45	Surface - general	1	Sallisaw	Arrow point	whole	Mississippi	Arrow point
23PO370	1-46	Surface - general	1	Schild	Arrow point	whole	Woodland, Late	Arrow point
23PO370	1-47	Surface - general	2	Unclassified	Arrow point	whole	Woodland, Late	Arrow point
23PO370	1-48	Surface - general	4	Unclassified	Arrow point	midsection	Woodland, Late-Mississippi	Arrow point
23PO370	1-49	Surface - general	1	Unclassified	Preform	tip	Woodland, Late-Mississippi	Arrow point
23PO370	1-50	Surface - general	1	Unclassified	Preform	whole	Unknown	Unknown
23PO370	1-51	Surface - general	1	Unclassified	Knife, bifacial	whole	Unknown	Knife
23PO370	1-52	Surface - general	1	Unclassified	Preform	whole	Unknown	Unknown
23PO370	1-53	Surface - general	1	Unclassified	Drill, bifacial	whole	Unknown	Perforator
23PO370	1-54	Surface - general	1	Unclassified	Preform	proximal	Woodland - Mississippi	Arrow point preform
23PO370	1-55	Surface - general	1	Unclassified	Preform	proximal	Woodland, Late-Mississippi	Arrow point preform
23PO370	1-56	Surface - general	1	Unclassified	Preform	proximal	Woodland, Late-Mississippi	Arrow point preform
23PO370	1-57	Surface - general	1	Unclassified	Preform	whole	Woodland, Late-Mississippi	Arrow point preform
23PO370	1-58	Surface - general	1	Unclassified	Preform	whole	Unknown	Unknown
23PO370	1-60	Surface - general	1	Unclassified	Preform	whole	Archaic, Late	Flint arrow point preform
23PO370	1-61	Surface - general	1	Unclassified	Knife, bifacial	midsection	Archaic, Late?	Knife
23PO370	1-62	Surface - general	1	Unclassified	Scraper, bifacial side	whole	Woodland	Scraper
23PO370	1-63	Surface - general	1	Unclassified	Scraper, flake	N/A	Woodland	Scraper
23PO370	1-64	Surface - general	1	Unclassified	Scraper, bifacial side	midsection	Woodland	Scraper

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### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Prevalence	CL	Type Name	Artifact Description	Portion	Cultural Affiliation	Primary Function
23PO370	1-65	Surface - general	1	Unclassified	Scraper, bifacial side	proximal	Woodland	Scraper
23PO371	1-1	Surface - general	1	Cahokia	Arrow point	whole	Mississippi	Arrow point
23PO371	1-2	Surface - general	1	Unclassified	Scraper, bifacial end	whole	Woodland	Scraper
23PO371	1-3	Surface - general	3	Unclassified	Biface	midsection	Unknown	Unknown
23PO372	1-1	Surface - general	1	Langtry	Knife, bifacial	whole	Archaic, Late - Woodland	Knife
23PO372	1-2	Surface - general	1	Langtry	Knife, bifacial	whole	Archaic, Late - Woodland	Knife
23PO372	1-3	Surface - general	1	Unclassified	Knife, bifacial	proximal	Unknown	Knife
23PO372	1-4	Surface - general	3	Unclassified	Preform	midsection	Unknown	Unknown
23PO373	1-1	Surface - general	26	Unclassified	Preform	midsection	Unknown	Unknown
23PO373	1-2	Surface - general	15	Unclassified	Biface	midsection	Unknown	Unknown
23PO373	1-6	Surface - general	6	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23PO373	1-9	Surface - general	1	Table Rock variant	Knife, bifacial	whole	Archaic, Late?	Knife
23PO373	1-10	Surface - general	1	Table Rock Stemmed	Dart point	whole	Archaic, Late	Dart point
23PO373	1-11	Surface - general	1	Table Rock Stemmed	Dart point	whole	Archaic, Late	Dart point
23PO373	1-12	Surface - general	1	Table Rock Stemmed	Dart point	stem	Archaic, Late	Dart point?
23PO373	1-13	Surface - general	1	Table Rock Stemmed	Dart point	stem	Archaic, Late	Dart point?
23PO373	1-14	Surface - general	1	Table Rock Stemmed	Dart point	stem	Archaic, Late	Dart point?
23PO373	1-15	Surface - general	1	Table Rock Stemmed	Knife, bifacial	whole	Archaic, Late	Knife
23PO373	1-16	Surface - general	1	Table Rock Stemmed	Dart point	whole	Archaic, Late	Dart point
23PO373	1-17	Surface - general	1	Smith	Knife, bifacial	whole	Archaic, Late	Knife
23PO373	1-18	Surface - general	1	Smith	Knife, bifacial	basal	Archaic, Late	Knife?
23PO373	1-19	Surface - general	1	Unclassified	Arrow point	whole	Woodland, Late	Arrow point
23PO373	1-20	Surface - general	1	Unclassified	Knife, bifacial	whole	Mississippi	Knife
23PO373	1-21	Surface - general	1	Table Rock Pointed Stem	Dart point	whole	Woodland, Late-Mississippi	Dart point
23PO373	1-22	Surface - general	1	Kings Corner Notched	Knife, bifacial	whole	Archaic, Late - Woodland	Knife
23PO373	1-23	Surface - general	1	Langtry or Gray	Knife/scraper	whole	Archaic, Late - Woodland	Knife
23PO373	1-24	Surface - general	1	Unclassified	Drill, bifacial	proximal	Unknown	Perforator
23PO373	1-25	Surface - general	1	Unclassified	Drill, bifacial	distal	Unknown	Perforator
23PO373	1-26	Surface - general	1	Kings Corner Notched	Biface, stemmed	stem	Archaic, Late - Woodland	Unknown
23PO373	1-27	Surface - general	1	Unclassified	Biface, stemmed	proximal	Unknown	Unknown
23PO373	1-28	Surface - general	1	Grand	Projectile point/knife	whole	Woodland, Middle	Knife
23PO373	1-29	Surface - general	1	Unclassified	Biface, stemmed	whole	Unknown	Unknown
23PO373	1-30	Surface - general	1	Unclassified	Preform	whole	Unknown	Unknown
23PO373	1-31	Surface - general	1	Unclassified	Preform	whole	Unknown	Unknown
23PO373	1-32	Surface - general	1	Unclassified	Preform	whole	Unknown	Unknown

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Site No.	Cat. No.	Provenience	Ct.	Type Name	Artifact Description	Portion	Cultural Affiliation	Primary Function
23PO373	1-33	Surface - general	1	Unclassified	Preform	whole	Woodland - Mississippi	Arrow point preform
23PO373	1-34	Surface - general	1	Unclassified	Preform	proximal	Archaic, Late?	Unknown
23PO373	1-35	Surface - general	1	Unclassified	Biface, stemmed	proximal	Archaic, Late	Unknown
23PO373	1-36	Surface - general	1	Unclassified	Knife, bifacial	whole	Unknown	Knife
23PO373	1-37	Surface - general	1	Unclassified	Scraper, bifacial side/end	whole	Woodland	Scraper
23PO373	1-38	Surface - general	2	Unclassified	Biface, stemmed	proximal	Unknown	Unknown
23PO373	1-39	Surface - general	1	Copena	Biface, stemmed	proximal	Woodland	Unknown
23PO373	1-40	Surface - general	1	Rice Side Notched	Knife, bifacial	whole	Woodland, Late	Knife
23PO373	1-41	Surface - general	1	Unclassified	Biface, unstemmed	whole	Unknown	Unknown
23PO373	1-42	Surface - general	1	Unclassified	Preform	proximal	Unknown	Unknown
23PO373	1-43	Surface - general	1	Unclassified	Knife, bifacial	whole	Unknown	Knife
23PO373	1-44	Surface - general	1	Copena	Knife, bifacial	proximal	Woodland	Knife
23PO373	1-45	Surface - general	1	Copena	Biface, stemmed	whole	Woodland	Unknown
23PO373	1-46	Surface - general	1	Unclassified	Scraper, unifacial side	proximal	Woodland	Scraper
23PO373	1-47	Surface - general	1	Unclassified	Knife, bifacial	distal	Unknown	Knife
23PO373	1-48	Surface - general	1	Unclassified	Preform	proximal	Unknown	Unknown
23PO373	1-49	Surface - general	1	Unclassified	Preform	whole	Unknown	Unknown
23PO373	1-50	Surface - general	1	Unclassified	Preform	whole	Woodland - Mississippi	Arrow point preform
23PO373	1-51	Surface - general	1	Unclassified	Biface, stemmed	proximal	Unknown	Unknown
23PO373	1-52	Surface - general	1	Unclassified	Biface, stemmed	proximal	Archaic, Late?	Unknown
23PO373	1-53	Surface - general	1	Scallorn	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23PO373	1-54	Surface - general	1	Scallorn	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23PO373	1-55	Surface - general	1	Scallorn	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23PO373	1-56	Surface - general	1	Scallorn	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23PO373	1-57	Surface - general	1	Scallorn	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23PO373	1-58	Surface - general	1	Scallorn	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23PO373	1-59	Surface - general	1	Scallorn variant	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23PO373	1-60	Surface - general	1	Scallorn	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23PO373	1-61	Surface - general	1	Scallorn	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23PO373	1-62	Surface - general	1	Alba?	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23PO373	1-63	Surface - general	1	Unclassified	Arrow point	whole	Mississippi (Caddoan?)	Arrow point
23PO373	1-64	Surface - general	1	Unclassified	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23PO373	1-65	Surface - general	1	Scallorn?	Arrow point	stem	Woodland, Late-Mississippi	Arrow point
23PO373	1-66	Surface - general	2	Unclassified	Arrow point	midsection	Woodland, Late-Mississippi	Arrow point
23PO373	1-67	Surface - general	1	Unclassified	Arrow point	tip	Mississippi	Arrow point

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Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Provenience	CL	Type Name	Artifact Description	Portion	Cultural Affiliation	Primary Function
23PO373	1-68	Surface - general	1	Unclassified	Preform	whole	Woodland, Late-Mississippi	Unknown
23PO373	1-69	Surface - general	1	Unclassified	Preform	whole	Unknown	Unknown
23PO374	1-1	Surface - general	1	Unclassified	Preform	whole	Unknown	Unknown
23PO374	1-2	Surface - general	1	Unclassified	Preform	whole	Unknown	Unknown
23PO374	1-3	Surface - general	1	Unclassified	Preform	whole	Woodland?	Knife
23PO374	1-4	Surface - general	1	Unclassified	Knife/scraper	whole	Unknown	Unknown
23PO374	1-5	Surface - general	1	Unclassified	Preform	whole	Unknown	Unknown
23PO374	1-6	Surface - general	3	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23PO374	1-8	Surface - general	1	Atlan variant	Knife, bifacial	whole	Archaic, Late	Knife
23PO374	1-9	Surface - general	1	Lander Corner Notched	Knife, bifacial	whole	Woodland	Knife
23PO374	1-10	Surface - general	1	Unclassified	Scraper, bifacial end	whole	Woodland	Scraper
23PO374	1-11	Surface - general	1	Unclassified	Scraper, bifacial end	whole	Woodland	Scraper
23PO374	1-12	Surface - general	1	Unclassified	Preform	midsection	Unknown	Unknown
23PO374	1-13	Surface - general	1	Unclassified	Knife, flake	N/A	Unknown	Knife
23PO374	1-14	Surface - general	1	Rice Side Notched	Knife, bifacial	whole	Woodland, Late	Knife
23PO374	1-15	Surface - general	1	Rice Side Notched	Knife, bifacial	whole	Woodland, Late	Knife
23PO374	1-16	Surface - general	1	Stone Corner Notched var.	Knife, bifacial	whole	Archaic, Late	Knife
23PO374	1-17	Surface - general	1	Edgewood	Knife, bifacial	whole	Archaic, Late	Knife
23PO375	1-2	Surface - general	1	Waubesa	Knife, bifacial	whole	Woodland	Knife
23PO375	1-3	Surface - general	1	Waubesa or Langtry	Knife, bifacial	whole	Woodland	Knife
23PO375	1-4	Surface - general	1	Dickson	Knife, bifacial	whole	Woodland	Knife
23PO375	1-5	Surface - general	1	Lander Corner Notched	Knife, bifacial	proximal	Woodland, Middle	Knife
23PO375	1-6	Surface - general	1	Stone Corner Notched	Knife/scraper	whole	Woodland	Knife
23PO375	1-7	Surface - general	1	Stone Corner Notched	Dart point	stem	Archaic, Late	Dart point?
23PO375	1-8	Surface - general	1	Unclassified	Biface, stemmed	proximal	Archaic, Late	Unknown
23PO375	1-9	Surface - general	1	Unclassified	Scraper, bifacial end	distal	Woodland	Scraper
23PO375	1-10	Surface - general	3	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23PO375	1-11	Surface - general	2	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23PO375	1-12	Surface - general	1	Unclassified	Preform	midsection	Unknown	Unknown
23PO375	1-13	Surface - general	1	Unclassified	Scraper, flake	N/A	Unknown	Scraper
23PO375	1-15	Surface - general	1	Unclassified	Scraper, unifacial side	midsection	Woodland?	Scraper
23PO376	1-1	Surface - general	1	Salisaw	Arrow point	whole	Mississippi	Arrow point
23PO376	1-2	Surface - general	1	Fairland variant	Knife, bifacial	proximal	Archaic, Late	Knife
23PO376	1-2	Surface - general	1	Dickson	Biface, stemmed	whole	Woodland, Middle	Unknown
23PO376	1-3	Surface - general	1	Hardin variant	Knife, bifacial	whole	Archaic, Middle?	Knife
23PO376	1-4	Surface - general	1	Unclassified	Biface, stemmed	proximal	Unknown	Unknown

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### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Provenience	Qtz.	Type Name	Artifact Description	Portion	Cultural Affiliation	Primary Function
23PO376	1-5	Surface - general	3	Unclassified	Biface	midsection	Unknown	Unknown
23PO376	1-6	Surface - general	3	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23PO376	1-7	Surface - general	3	Unclassified	Preform	midsection	Unknown	Unknown
23PO377	1-1	Surface - general	28	Unclassified	Preform	midsection	Unknown	Unknown
23PO377	1-2	Surface - general	22	Unclassified	Biface	midsection	Unknown	Unknown
23PO377	1-3	Surface - general	4	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23PO377	1-4	Surface - general	2	Unclassified	Biface, stemmed	edge	Unknown	Unknown
23PO377	1-6	Surface - general	1	Sedalia-like	Azbe	whole	Archaic, Late	Woodworking, heavy
23PO377	1-7	Surface - general	1	Unclassified	Preform	whole	Unknown	Unknown
23PO377	1-8	Surface - general	1	Unclassified	Preform	whole	Unknown	Unknown
23PO377	1-9	Surface - general	1	Unclassified	Preform	whole	Unknown	Unknown
23PO377	1-10	Surface - general	1	Unclassified	Preform	whole	Unknown	Unknown
23PO377	1-11	Surface - general	1	Unclassified	Preform	whole	Unknown	Unknown
23PO377	1-12	Surface - general	1	Smith	Preform	whole	Archaic, Late	Smith point preform
23PO377	1-13	Surface - general	1	Smith	Knife, bifacial	whole	Archaic, Late	Knife
23PO377	1-14	Surface - general	1	Smith?	Knife, bifacial	whole	Archaic, Late	Knife
23PO377	1-15	Surface - general	1	Unclassified	Drill, bifacial	midsection	Archaic, Late	Perforator
23PO377	1-16	Surface - general	1	Unclassified	Knife, bifacial	whole	Archaic, Late	Knife
23PO377	1-17	Surface - general	1	Table Rock Stemmed	Projectile point/knife	whole	Archaic, Late	Knife
23PO377	1-18	Surface - general	1	Table Rock Pointed Stem?	Knife, bifacial	whole	Woodland, Late-Mississippi	Knife
23PO377	1-19	Surface - general	1	Unclassified	Knife/scrapper	whole	Archaic, Late?	Knife
23PO377	1-20	Surface - general	1	Unclassified	Knife, bifacial	whole	Archaic, Late	Knife
23PO377	1-21	Surface - general	1	Dickson	Knife, bifacial	whole	Woodland, Middle	Knife
23PO377	1-22	Surface - general	1	Dickson	Knife, bifacial	whole	Woodland, Middle	Knife
23PO377	1-23	Surface - general	1	Standlee	Knife, bifacial	proximal	Woodland, Middle	Knife
23PO377	1-24	Surface - general	1	Langtry	Projectile point/knife	whole	Archaic, Term. - Woodland	Knife
23PO377	1-25	Surface - general	1	Langtry	Knife, bifacial	whole	Archaic, Late - Woodland	Knife
23PO377	1-26	Surface - general	1	Rice Side Notched	Knife, bifacial	proximal	Archaic, Late - Woodland	Knife
23PO377	1-27	Surface - general	1	Rice Side Notched	Knife/scrapper	proximal	Woodland, Late	Knife
23PO377	1-28	Surface - general	1	Rice Side Notched	Biface, stemmed	proximal	Woodland, Late	Unknown
23PO377	1-29	Surface - general	1	Table Rock variant	Knife, bifacial	proximal	Woodland, Late	Knife?
23PO377	1-30	Surface - general	1	Unclassified	Knife, bifacial	whole	Archaic, Late?	Knife
23PO377	1-31	Surface - general	1	Stone Corner Notched var.	Arrow point	stem	Woodland, Mississippi	Arrow point
23PO377	1-32	Surface - general	1	Stone Corner Notched var.	Knife, bifacial	proximal	Archaic, Late	Knife?
23PO377	1-33	Surface - general	1	Afton	Knife, bifacial	whole	Archaic, Late	Knife
23PO377	1-33	Surface - general	1	Stone Corner Notched var.	Dart point	stem	Archaic, Late	Dart point

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Site No.	Cat. No.	Provenience	Ct.	Type Name	Artifact Description	Portion	Cultural Affiliation	Primary Function
23PO377	1-34	Surface - general	1	Big Creek	Biface, stemmed	stem	Archaic, Late	Unknown
23PO377	1-35	Surface - general	1	Big Creek	Biface, stemmed	whole	Archaic, Late	Unknown
23PO377	1-36	Surface - general	1	Big Creek variant	Knife, bifacial	whole	Archaic, Late	Knife
23PO377	1-37	Surface - general	1	Smith	Biface, stemmed	proximal	Archaic, Late	Unknown
23PO377	1-38	Surface - general	1	Unclassified	Knife, bifacial	whole	Archaic, Late	Knife
23PO377	1-39	Surface - general	1	Unclassified	Projectile point/knife	whole	Unknown	Knife
23PO377	1-40	Surface - general	1	Scallorn	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23PO377	1-41	Surface - general	1	Sequoyah	Arrow point	whole	Mississippi	Arrow point
23PO377	1-42	Surface - general	1	Scallorn	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23PO377	1-43	Surface - general	1	Fresno	Arrow point	whole	Late Prehistoric	Arrow point
23PO377	1-44	Surface - general	1	Unclassified	Arrow point	distal	Woodland, Late-Mississippi	Arrow point
23PO377	1-47	Surface - general	1	Unclassified	Preform	whole	Unknown	Unknown
23PO377	1-48	Surface - general	1	Unclassified	Preform	whole	Unknown	Unknown
23PO377	1-49	Surface - general	1	Red Ochre variant	Knife, bifacial	whole	Archaic, Late?	Knife
23PO377	1-50	Surface - general	4	Unclassified	Preform	whole	Unknown	Unknown
23PO377	1-51	Surface - general	1	Unclassified	Scraper, bifacial end	whole	Late Prehistoric	Scraper
23PO377	1-52	Surface - general	1	Unclassified	Scraper, bifacial end	distal	Unknown	Scraper
23PO377	1-53	Surface - general	1	Unclassified	Scraper, unifacial end	whole	Woodland?	Scraper
23PO377	1-54	Surface - general	1	Unclassified	Scraper, unifacial side	distal	Unknown	Scraper
23PO378	1-1	Surface - general	8	Unclassified	Preform	midsection	Unknown	Unknown
23PO378	1-2	Surface - general	1	Stone Corner Notched var.	Knife, bifacial	whole	Archaic, Late	Knife?
23PO378	1-3	Surface - general	1	Unclassified	Preform	proximal	Woodland, Late-Mississippi	Arrow point preform
23PO378	1-4	Surface - general	1	Unclassified	Biface, stemmed	stem	Unknown	Unknown
23PO378	1-5	Surface - general	1	Unclassified	Knife, bifacial	proximal	Unknown	Knife
23PO379	1-1	Surface - general	1	Grout	Knife, bifacial	whole	Woodland, Middle	Knife
23PO379	1-2	Surface - general	1	Big Creek	Knife, bifacial	proximal	Archaic, Late	Knife
23PO379	1-3	Surface - general	1	White River	Knife, bifacial	proximal	Archaic, Middle	Knife
23PO379	1-4	Surface - general	1	Unclassified	Dart point	stem	Archaic, Middle	Dart point?
23PO379	1-5	Surface - general	2	Unclassified	Biface, stemmed	proximal	Unknown	Unknown
23PO380	1-1	Surface - general	1	Delton	Knife, bifacial	midsection	Unknown	Knife
23PO380	1-2	Surface - general	1	Big Creek	Biface, stemmed	whole	Archaic, Early	Unknown
23PO380	1-3	Surface - general	1	Big Creek	Projectile point/knife	proximal	Archaic, Late	Knife
23PO380	1-4	Surface - general	1	Big Creek	Biface, stemmed	proximal	Archaic, Late	Unknown
23PO380	1-5	Surface - general	1	Table Rock variant	Biface, stemmed	stem	Archaic, Late	Unknown
23PO380	1-6	Surface - general	1	Smith	Biface, stemmed	proximal	Archaic, Late	Unknown
23PO380	1-6	Surface - general	1	Smith	Knife, bifacial	proximal	Archaic, Late	Knife

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Stone tools collected by Howard Wimmer

Site No.	Cal. No.	Provenience	Cl.	Type Name	Artifact Description	Portion	Cultural Affiliation	Primary Function
23PO380	1-7	Surface - general	1	Waubea	Knife, bifacial	whole	Woodland	Knife
23PO380	1-8	Surface - general	1	Unclassified	Knife, bifacial	proximal	Woodland	Knife
23PO380	1-9	Surface - general	5	Unclassified	Preform	midsection	Unknown	Unknown
23PO380	1-10	Surface - general	1	Rice Side Notched	Knife, bifacial	whole	Woodland, Late	Knife
23PO380	1-11	Surface - general	1	Rice Side Notched?	Knife, bifacial	whole	Woodland, Late	Knife
23PO380	1-12	Surface - general	1	Rice Side Notched	Projectile point/knife	whole	Woodland, Late	Knife
23PO380	1-13	Surface - general	1	Unclassified	Dart point	stem	Archaic, Late?	Dart point
23PO380	1-14	Surface - general	1	Unclassified	Preform	whole	Unknown	Unknown
23PO380	1-15	Surface - general	1	Unclassified	Adze	whole	Unknown	Woodworking, heavy
23PO380	1-16	Surface - general	1	Unclassified	Adze	midsection	Unknown	Woodworking, heavy
23PO381	1-1	Surface - general	1	Rice Side Notched	Knife, bifacial	whole	Woodland, Late	Knife
23PO381	1-2	Surface - general	1	Dallion variant	Knife, bifacial	whole	Archaic, Early	Knife
23PO381	1-3	Surface - general	10	Unclassified	Knife, bifacial	distal	Unknown	Knife
23PO381	1-4	Surface - general	19	Unclassified	Preform	misc.	Unknown	Unknown
23PO381	1-5	Surface - general	4	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23PO381	1-6	Surface - general	3	Unclassified	Biface, stemmed	stem	Archaic, Late?	Unknown
23PO381	1-7	Surface - general	8	Unclassified	Preform	distal	Unknown	Unknown
23PO381	1-8	Surface - general	1	Unclassified	Preform	proximal	Unknown	Unknown
23PO381	1-9	Surface - general	1	Unclassified	Knife, bifacial	whole	Unknown	Knife
23PO381	1-10	Surface - general	1	Unclassified	Knife, bifacial	proximal	Woodland	Knife
23PO381	1-11	Surface - general	1	Unclassified	Preform	whole	Woodland, Late	Unknown
23PO381	1-12	Surface - general	1	Unclassified	Preform	whole	Unknown	Unknown
23PO381	1-13	Surface - general	1	Unclassified	Knife, bifacial	whole	Unknown	Knife
23PO381	1-14	Surface - general	1	Unclassified	Adze	whole	Unknown	Woodworking
23PO381	1-15	Surface - general	1	Unclassified	Scraper, flake	N/A	Woodland	Scraper
23PO381	1-16	Surface - general	1	Unclassified	Scraper, unifacial end	whole	Late Prehistoric	Scraper
23PO381	1-17	Surface - general	1	Unclassified	Knife, bifacial	whole	Unknown	Knife
23PO381	1-18	Surface - general	1	Stone Corner Notched	Knife, bifacial	whole	Archaic, Late	Knife
23PO381	1-19	Surface - general	1	Smith?	Knife, bifacial	whole	Archaic, Late	Knife
23PO381	1-20	Surface - general	1	Ensor	Knife, bifacial	whole	Archaic, Late	Knife
23PO381	1-21	Surface - general	1	Big Creek	Knife, bifacial	whole	Archaic, Late	Knife
23PO381	1-22	Surface - general	1	Ensor	Dart point	whole	Archaic, Late	Dart point
23PO381	1-23	Surface - general	1	Steuben	Knife, bifacial	whole	Archaic, Late	Knife
23PO381	1-24	Surface - general	1	Table Rock Pointed Stem	Knife, bifacial	proximal	Woodland, Middle-Late	Knife
23PO381	1-25	Surface - general	1	Table Rock Pointed Stem	Knife, bifacial	whole	Woodland, Late-Mississippi	Knife
23PO381	1-25	Surface - general	1	Table Rock Pointed Stem	Knife, bifacial	whole	Woodland, Late-Mississippi	Knife

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Site No.	Cat. No.	Provenience	Qt.	Type Name	Artifact Description	Portion	Cultural Affiliation	Primary Function
23PO381	1-26	Surface - general	1	Smith-like	Knife, bifacial	proximal	Archaic, Late	Knife
23PO381	1-27	Surface - general	1	Unclassified	Knife, bifacial	whole	Archaic, Late	Knife
23PO381	1-28	Surface - general	1	Unclassified	Dart point	whole	Woodland, Middle	Dart point
23PO381	1-29	Surface - general	1	Unclassified	Dart point	whole	Woodland, Middle	Dart point
23PO381	1-30	Surface - general	1	Kings Corner Notched	Biface, stemmed	proximal	Archaic, Late - Woodland	Unknown
23PO381	1-31	Surface - general	1	Unclassified	Knife, bifacial	proximal	Woodland?	Knife
23PO381	1-32	Surface - general	1	Unclassified	Knife, bifacial	proximal	Unknown	Knife
23PO381	1-33	Surface - general	1	Unclassified	Knife, bifacial	proximal	Unknown	Knife
23PO381	1-34	Surface - general	1	Big Creek or Stone CN	Knife, bifacial	mid-section	Archaic, Late	Knife
23PO381	1-35	Surface - general	1	Unclassified	Knife, bifacial	mid-section	Archaic, Late	Knife
23PO381	1-36	Surface - general	1	Unclassified	Knife, bifacial	whole	Archaic, Late	Knife
23PO381	1-37	Surface - general	1	Reed	Drill, bifacial	whole	Woodland?	Perforating
23PO381	1-38	Surface - general	1	Reed	Arrow point	whole	Mississippi	Arrow point
23PO381	1-39	Surface - general	1	Washita peno	Arrow point	whole	Mississippi	Arrow point
23PO381	1-40	Surface - general	1	Fresno variant	Arrow point	whole	Mississippi	Arrow point
23PO381	1-41	Surface - general	1	Scallorn coryell	Arrow point	whole	Late Prehistoric	Arrow point
23PO381	1-42	Surface - general	1	Scallorn coryell	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23PO381	1-43	Surface - general	1	Scallorn sutter	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23PO381	1-44	Surface - general	1	Scallorn eddy	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23PO381	1-45	Surface - general	1	Scallorn eddy	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23PO381	1-46	Surface - general	1	Scallorn sutter	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23PO381	1-47	Surface - general	1	Sequoyah	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23PO381	1-48	Surface - general	1	Sequoyah	Arrow point	whole	Mississippi	Arrow point
23PO381	1-49	Surface - general	1	Sequoyah	Arrow point	whole	Mississippi	Arrow point
23PO381	1-50	Surface - general	1	Sequoyah	Arrow point	whole	Mississippi	Arrow point
23PO381	1-51	Surface - general	1	Scallorn coryell	Arrow point	whole	Mississippi	Arrow point
23PO381	1-52	Surface - general	1	Unclassified	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23PO381	1-53	Surface - general	1	Unclassified	Arrow point	tip	Mississippi	Arrow point
23PO381	1-54	Surface - general	1	Unclassified	Arrow point	tip	Mississippi	Arrow point
23PO382	1-1	Surface - general	1	Dickson variant	Projectile point/knife	whole	Woodland, Middle?	Knife
23PO382	1-2	Surface - general	4	Unclassified	Knife, bifacial	tip	Unknown	Knife
23PO382	1-3	Surface - general	1	Unclassified	Biface	mid-section	Unknown	Unknown
23PO382	1-4	Surface - general	1	Unclassified	Preform	proximal	Woodland?	Unknown
23PO382	1-5	Surface - general	1	Unclassified	Adze fragment	distal	Woodland?	Woodworking
23PO382	1-6	Surface - general	1	Unclassified	Knife/scraper	distal	Woodland?	Knife

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Site No.	Cat. No.	Provenience	Cl.	Type Name	Artifact Description	Portion	Cultural Affiliation	Primary Function
23PO382	1-7	Surface - general	1	Smith	Projectile point/knife	whole	Archaic, Late	Knife
23PO382	1-8	Surface - general	1	Table Rock variant	Dart point	stem	Archaic, Late	Dart point
23PO382	1-9	Surface - general	1	Unclassified	Knife, bifacial	whole	Unknown	Knife
23PO383	1-1	Surface - general	61	Unclassified	Preform	misc.	Unknown	Unknown
23PO383	1-2	Surface - general	12	Unclassified	Biface	midsection	Unknown	Unknown
23PO383	1-3	Surface - general	11	Unclassified	Knife, bifacial	tip	Unknown	Knife
23PO383	1-4	Surface - general	1	Unclassified	Chopper	whole	Unknown	Chopper
23PO383	1-5	Surface - general	1	Unclassified	Knife, bifacial	whole	Woodland?	Knife
23PO383	1-6	Surface - general	1	Unclassified	Scraper, unifacial end	whole	Late Prehistoric?	Scraper
23PO383	1-7	Surface - general	1	Unclassified	Knife, bifacial	proximal	Unknown	Knife
23PO383	1-8	Surface - general	1	Unclassified	Knife, bifacial	proximal	Unknown	Knife
23PO383	1-9	Surface - general	1	Unclassified	Drill, bifacial	proximal	Woodland-Mississippi	Perforating
23PO383	1-10	Surface - general	1	Unclassified	Drill, bifacial	proximal	Woodland-Mississippi	Perforating
23PO383	1-11	Surface - general	1	Codger	Dart point	whole	Archaic, Late	Dart point
23PO383	1-12	Surface - general	1	Unclassified	Knife, bifacial	whole	Archaic, Late	Knife
23PO383	1-13	Surface - general	1	Kings Corner Notched	Biface, stemmed	proximal	Archaic, Late - Woodland	Unknown
23PO383	1-14	Surface - general	1	Kings Corner Notched	Dart point	whole	Archaic, Late - Woodland	Dart point
23PO383	1-15	Surface - general	1	Kings Corner Notched	Knife, bifacial	whole	Archaic, Late - Woodland	Knife
23PO383	1-16	Surface - general	1	Kings Corner Notched	Projectile point/knife	proximal	Archaic, Late - Woodland	Dart point
23PO383	1-17	Surface - general	1	Kings Corner Notched	Projectile point/knife	whole	Archaic, Late - Woodland	Dart point
23PO383	1-18	Surface - general	1	Kings Corner Notched	Knife, bifacial	whole	Archaic, Late - Woodland	Knife
23PO383	1-19	Surface - general	1	Kings Corner Notched	Biface, stemmed	proximal	Archaic, Late - Woodland	Unknown
23PO383	1-20	Surface - general	1	Kings Corner Notched var.	Dart point	whole	Archaic, Late - Woodland	Dart point
23PO383	1-21	Surface - general	1	Kings Corner Notched var.	Knife, bifacial	whole	Archaic, Late - Woodland	Knife
23PO383	1-22	Surface - general	1	Kings Corner Notched var.	Knife, bifacial	whole	Archaic, Late - Woodland	Knife
23PO383	1-23	Surface - general	1	Kings Corner Notched var.	Projectile point/knife	whole	Archaic, Late - Woodland	Knife
23PO383	1-24	Surface - general	1	Kings Corner Notched var.	Knife, bifacial	whole	Archaic, Late - Woodland	Knife
23PO383	1-25	Surface - general	1	Kings Corner Notched var.	Biface, stemmed	proximal	Archaic, Late - Woodland	Unknown
23PO383	1-26	Surface - general	1	Kings Corner Notched var.	Knife, bifacial	whole	Archaic, Late - Woodland	Knife
23PO383	1-27	Surface - general	1	Fairland variant	Knife, bifacial	whole	Archaic, Late	Knife
23PO383	1-28	Surface - general	1	Kings Corner Notched var.	Dart point	whole	Archaic, Late - Woodland	Dart point
23PO383	1-29	Surface - general	1	Table Rock variant	Biface, stemmed	whole	Archaic, Late	Unknown
23PO383	1-30	Surface - general	1	Table Rock variant	Biface, stemmed	proximal	Archaic, Late	Unknown
23PO383	1-31	Surface - general	1	Kings Corner Notched?	Biface	midsection	Archaic, Late - Woodland	Unknown
23PO383	1-32	Surface - general	1	Scalloped sifter	Arrow point	whole	Woodland, Late-Mississippi	Arrow point

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Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Provenience	Cl.	Type Name	Artifact Description	Portion	Cultural Affiliation	Primary Function
23PO383	1-33	Surface - general	1	Sequoyah	Arrow point	whole	Mississippi	Arrow point
23PO383	1-34	Surface - general	1	Waubesa	Knife, bifacial	whole	Woodland	Knife
23PO383	1-35	Surface - general	1	Unclassified	Projectile point/knife	whole	Archaic, Middle	Dart point
23PO383	1-36	Surface - general	1	Unclassified	Dart point	whole	Archaic, Late	Dart point
23PO383	1-37	Surface - general	1	Big Creek	Scraper, bifacial end	proximal	Archaic, Late	Scraper
23PO383	1-38	Surface - general	1	Unclassified	Knife, bifacial	proximal	Unknown	Knife
23PO383	1-39	Surface - general	1	Smith?	Biface, stemmed	proximal	Archaic, Late	Unknown
23PO383	1-40	Surface - general	1	Unclassified	Knife, bifacial	proximal	Archaic, Middle	Knife
23PO383	1-41	Surface - general	1	Smith variant	Dart point	proximal	Archaic, Late	Dart point
23PO383	1-42	Surface - general	1	Unclassified	Knife, bifacial	proximal	Archaic, Late	Knife
23PO383	1-43	Surface - general	2	Unclassified	Bifacer, stemmed	stem	Unknown	unknown
23PO383	1-44	Surface - general	1	Unclassified	Knife, bifacial	midsection	Woodland	Knife
23PO383	1-45	Surface - general	1	Unclassified	Preform	whole	Unknown	Unknown
23PO383	1-46	Surface - general	1	Unclassified	Preform	whole	Unknown	Unknown
23PO383	1-47	Surface - general	1	Unclassified	Preform	whole	Unknown	Unknown
23PO383	1-48	Surface - general	1	Unclassified	Scraper, bifacial end	whole	Unknown	Scraper
23PO383	1-49	Surface - general	1	Unclassified	Scraper, flake	N/A	Unknown	Scraper
23PO384	1-1	Surface - general	1	Unclassified	Knife, bifacial	whole	Unknown	Knife
23PO384	1-2	Surface - general	1	Stone Corner Notched	Knife, bifacial	whole	Archaic, Late	Knife
23PO384	1-3	Surface - general	1	Castroville-like	Knife, bifacial	proximal	Archaic, Late	Knife
23PO384	1-4	Surface - general	1	Unclassified	Knife, bifacial	tip	Woodland?	Knife
23PO385	1-1	Surface - general	1	Snyders	Knife/scraper	whole	Woodland, Middle	Knife
23PO385	1-2	Surface - general	2	Unclassified	Knife, bifacial	tip	Unknown	Knife
23PO385	1-3	Surface - general	1	Unclassified	Biface, stemmed	stem	Unknown	Unknown
23PO385	1-4	Surface - general	2	Unclassified	Preform	proximal	Unknown	Unknown
23PO385	1-5	Surface - general	1	Unclassified	Drill, bifacial	proximal	Woodland	Perforating
23PO385	1-6	Surface - general	1	Unclassified	Preform	proximal	Unknown	Unknown
23PO386	1-1	Surface - general	1	Unclassified	Knife, bifacial	proximal	Archaic, Middle	Knife
23PO386	1-2	Surface - general	1	Hardin	Projectile point/knife	whole	Archaic, Early	Knife
23PO386	1-3	Surface - general	1	Gibson	Knife, bifacial	stem	Woodland, Middle	Knife
23PO386	1-5	Surface - general	2	Unclassified	Knife, bifacial	distal	Unknown	Knife
23PO386	1-6	Surface - general	2	Unclassified	Preform	edge	Unknown	Unknown
23PO387	1-1	Surface - general	1	Unclassified	Biface, stemmed	stem	Woodland	Unknown
23PO387	1-2	Surface - general	2	Unclassified	Preform	midsection	Unknown	Unknown
23PO387	1-4	Surface - general	1	Unclassified	Knife, bifacial	distal	Unknown	Knife

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Site No.	Cat. No.	Provenience	Cl	Type Name	Artifact Description	Portion	Cultural Affiliation	Primary Function
23PO388	1-1	Surface - general	11	Unclassified	Preform	midsection	Unknown	Unknown
23PO388	1-2	Surface - general	3	Unclassified	Preform	basal	Unknown	Unknown
23PO388	1-3	Surface - general	1	Marrow-like	Knife, bifacial	whole	Archaic, Late	Knife
23PO388	1-4	Surface - general	3	Unclassified	Biface	midsection	Unknown	Dart point
23PO388	1-5	Surface - general	1	Kings Corner Notched	Dart point	proximal	Archaic, Late - Woodland	Unknown
23PO388	1-6	Surface - general	4	Unclassified	Biface	tip	Unknown	Unknown
23PO388	1-7	Surface - general	1	Big Creek	Biface, stemmed	stem	Archaic, Late	Unknown
23PO388	1-8	Surface - general	1	Table Rock variant	Biface, stemmed	proximal	Archaic, Late	Unknown
23PO388	1-9	Surface - general	1	Unclassified	Knife, bifacial	whole	Archaic, Late	Knife
23PO388	1-10	Surface - general	1	Unclassified	Biface, stemmed	proximal	Archaic, Late - Woodland	Unknown
23PO388	1-11	Surface - general	1	Fairland variant	Biface, stemmed	proximal	Archaic, Late	Unknown
23PO388	1-12	Surface - general	1	Standlee	Knife, bifacial	whole	Archaic, Term. - Woodland	Knife
23PO388	1-13	Surface - general	1	Unclassified	Preform	whole	Unknown	Unknown
23PO388	1-14	Surface - general	1	Sequoyah variant	Arrow point	whole	Mississippi	Arrow point
23PO388	1-15	Surface - general	1	Sequoyah variant	Arrow point	whole	Mississippi	Arrow point
23PO389	1-1	Surface - general	1	Dickson	Knife, bifacial	whole	Woodland, Middle	Knife
23PO389	1-2	Surface - general	1	Standlee	Knife, bifacial	whole	Archaic, Term. - Woodland	Knife
23PO389	1-3	Surface - general	1	Unclassified	Knife, bifacial	whole	Woodland	Knife
23PO389	1-4	Surface - general	1	Kings Corner Notched	Knife, bifacial	whole	Archaic, Late - Woodland	Knife
23PO389	1-5	Surface - general	1	Unclassified	Knife, bifacial	whole	Archaic, Late	Knife
23PO389	1-6	Surface - general	2	Unclassified	Preform	midsection	Unknown	Unknown
23PO389	1-7	Surface - general	2	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23PO390	1-1	Surface - general	4	Unclassified	Preform	distal	Unknown	Unknown
23PO390	1-2	Surface - general	1	Unclassified	Knife, bifacial	distal	Unknown	Knife
23PO390	1-3	Surface - general	1	Unclassified	Knife, bifacial	whole	Unknown	Knife
23PO391	1-1	Surface - general	4	Unclassified	Preform	midsection	Archaic?	Unknown
23PO391	1-2	Surface - general	1	Unclassified	Knife, bifacial	whole	Archaic, Late	Knife
23PO391	1-3	Surface - general	1	Fairland	Knife, bifacial	whole	Archaic, Late	Knife
23PO391	1-4	Surface - general	1	Unclassified	Knife, bifacial	proximal	Archaic, Late	Unknown
23PO391	1-5	Surface - general	1	Unclassified	Biface, stemmed	midsection	Woodland?	Unknown
23PO391	1-6	Surface - general	2	Unclassified	Biface	midsection	Unknown	Unknown
23PO391	1-7	Surface - general	1	Unclassified	Drill, bifacial	midsection	Unknown	Perforating
23PO394	1-5	Surface - general	25	Unclassified	Preform	midsection	Unknown	Unknown
23PO394	1-6	Surface - general	1	Unclassified	Preform	whole	Woodland?	Unknown
23PO394	1-7	Surface - general	1	Unclassified	Adze	distal	Unknown	Woodworking

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### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Provenience	Ct.	Type Name	Artifact Description	Portion	Cultural Affiliation	Primary Function
23PO394	1-8	Surface - general	1	Unclassified	Adze	distal	Woodland?	Woodworking
23PO394	1-9	Surface - general	1	Unclassified	Scraper, flake	N/A	Woodland?	Scraper
23PO394	1-10	Surface - general	1	Unclassified	Scraper, bifacial end	distal	Woodland, Middle	Scraper
23PO394	1-11	Surface - general	15	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23PO394	1-12	Surface - general	14	Unclassified	Knife, bifacial	tip	Unknown	Knife
23PO394	1-13	Surface - general	1	Unclassified	Knife, bifacial	midsection	Archaic, Early	Knife
23PO394	1-14	Surface - general	3	Unclassified	Biface, stemmed	stem	Unknown	Unknown
23PO394	1-15	Surface - general	1	Unclassified	Preform	whole	Unknown	Unknown
23PO394	1-16	Surface - general	1	Unclassified	Preform, aborted	whole	Unknown	Unknown
23PO394	1-17	Surface - general	1	Unclassified	Scraper, bifacial end	distal	Woodland	Scraper
23PO394	1-18	Surface - general	1	Unclassified	Biface	midsection	Unknown	Unknown
23PO394	1-19	Surface - general	1	Jackie	Knife, bifacial	proximal	Archaic, Middle	Knife
23PO394	1-20	Surface - general	1	Jackie	Knife/scraper	whole	Archaic, Middle	Knife
23PO394	1-21	Surface - general	1	Jackie	Buria	proximal	Archaic, Middle	Engraving
23PO394	1-22	Surface - general	1	White River	Knife, bifacial	proximal	Archaic, Middle	Knife
23PO394	1-23	Surface - general	1	Waubesa	Knife, bifacial	proximal	Archaic, Middle	Knife
23PO394	1-24	Surface - general	1	Unclassified	Biface, stemmed	proximal	Woodland	Knife
23PO394	1-25	Surface - general	1	Unclassified	Knife/scraper	proximal	Unknown	Unknown
23PO394	1-26	Surface - general	1	Smith	Knife, bifacial	whole	Woodland	Knife
23PO394	1-27	Surface - general	1	Dickson	Knife, bifacial	whole	Archaic, Late	Knife
23PO394	1-28	Surface - general	1	Table Rock Stemmed	Knife, bifacial	whole	Woodland, Middle	Knife
23PO394	1-29	Surface - general	1	Stauben variant	Knife, bifacial	proximal	Archaic, Late	Knife
23PO394	1-30	Surface - general	1	Stauben variant	Knife, bifacial	proximal	Woodland, Middle - Late	Knife
23PO394	1-31	Surface - general	1	White River	Knife, bifacial	whole	Woodland, Middle - Late	Knife
23PO394	1-32	Surface - general	1	White River variant	Knife, bifacial	proximal	Archaic, Middle	Knife
23PO394	1-33	Surface - general	1	Duncan	Projectile point/knife	proximal	Archaic, Middle	Dart point
23PO394	1-34	Surface - general	1	Stauben	Projectile point/knife	whole	Archaic, Late	Dart point
23PO394	1-35	Surface - general	1	Rice Side Notched	Biface, stemmed	whole	Woodland, Middle - Late	Unknown
23PO394	1-36	Surface - general	1	Rice Side Notched	Knife, bifacial	whole	Woodland, Late	Knife
23PO394	1-37	Surface - general	1	Rice Side Notched	Knife, bifacial	proximal	Woodland, Late	Knife
23PO394	1-38	Surface - general	1	Stauben	Dart point	whole	Woodland, Late	Dart point
23PO394	1-39	Surface - general	1	Stauben variant	Biface, stemmed	proximal	Woodland, Middle - Late	Unknown
23PO394	1-40	Surface - general	1	Rice Side Notched	Knife, bifacial	whole	Woodland, Middle - Late	Knife
23PO394	1-41	Surface - general	1	Rice Side Notched	Dart point	whole	Woodland, Middle - Late	Dart point
23PO394	1-42	Surface - general	1	Rice Side Notched	Knife, bifacial	proximal	Woodland, Late	Knife
23PO394	1-42	Surface - general	1	Rice Side Notched	Projectile point/knife	proximal	Woodland, Late	Knife

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### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Provenience	CL	Type Name	Artifact Description	Portion	Cultural Affiliation	Primary Function
23PO394	1-43	Surface - general	1	Unclassified	Knife, bifacial	whole	Woodland	Knife
23PO394	1-44	Surface - general	1	Unclassified	Preform	proximal	Woodland?	Unknown
23PO394	1-45	Surface - general	1	Unclassified	Projectile point/knife	whole	Woodland?	Dart point
23PO394	1-46	Surface - general	1	Unclassified	Preform	whole	Woodland, Mississippi	Unknown
23PO394	1-47	Surface - general	1	Sullivan variant	Arrow point	whole	Mississippi	Arrow point
23PO394	1-48	Surface - general	1	Keota	Arrow point	whole	Mississippi	Arrow point
23PO394	1-49	Surface - general	1	Huffaker	Arrow point	whole	Mississippi	Arrow point
23PO394	1-50	Surface - general	1	Reed	Arrow point	whole	Mississippi	Arrow point
23PO394	1-51	Surface - general	1	Scallorn eddy	Arrow point	whole	Mississippi	Arrow point
23PO394	1-52	Surface - general	1	Scallorn eddy	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23PO394	1-53	Surface - general	1	Scallorn coryell	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23PO394	1-54	Surface - general	1	Scallorn	Arrow point	proximal	Woodland, Late-Mississippi	Arrow point
23PO394	1-55	Surface - general	1	Scallorn?	Arrow point	proximal	Woodland, Late-Mississippi	Arrow point
23PO394	1-56	Surface - general	1	Fresno	Arrow point	proximal	Woodland, Late-Mississippi	Arrow point
23PO394	1-57	Surface - general	1	Unclassified	Arrow point	proximal	Late Prehistoric	Arrow point
23PO395	1-2	Surface - general	1	Dickson	Knife, bifacial	distal	Unknown	Knife
23PO395	1-3	Surface - general	7	Unclassified	Knife, bifacial	proximal	Woodland, Midd.	Knife
23PO395	1-4	Surface - general	8	Unclassified	Preform	edge	Unknown	Unknown
23PO395	1-5	Surface - general	5	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23PO395	1-6	Surface - general	1	Lander Corner Notched	Knife, bifacial	distal	Unknown	Knife
23PO395	1-7	Surface - general	1	Unclassified	Knife, bifacial	whole	Woodland	Knife
23PO395	1-8	Surface - general	1	Schild	Biface, stemmed	proximal	Woodland	Unknown
23PO395	1-9	Surface - general	1	Lander Corner Notched	Arrow point	whole	Woodland, Late	Arrow point
23PO395	1-10	Surface - general	1	Table Rock Pointed Stem	Knife, bifacial	proximal	Woodland	Knife
23PO395	1-11	Surface - general	1	Unclassified	Projectile point/knife	proximal	Woodland, Late-Mississippi	Dart point
23PO395	1-12	Surface - general	1	Stone Corner Notched	Knife, bifacial	whole	Woodland	Knife
23PO395	1-13	Surface - general	1	Rice Side Notched	Knife, bifacial	proximal	Archaic, Late	Knife
23PO395	1-14	Surface - general	1	Rice Side Notched variant	Dart point	proximal	Woodland, Late	Dart point
23PO395	1-15	Surface - general	1	Unclassified	Knife, bifacial	whole	Woodland, Late	Knife
23PO395	1-16	Surface - general	1	Unclassified	Biface, stemmed	proximal	Woodland	Unknown
23PO395	1-17	Surface - general	1	Unclassified	Preform	distal	Woodland?	Unknown
23PO395	1-18	Surface - general	1	Sedalia digger	Preform, aborted	whole	Woodland	Unknown
23PO396	1-1	Surface - general	1	Fresno	Hoe, chipped	whole	Unknown	Unknown
23PO396	1-2	Surface - general	4	Unclassified	Arrow point	whole	Archaic, Late	Digging
23PO396	1-3	Surface - general	1	Unclassified	Preform	misc.	Late Prehistoric	Arrow point
					Knife, bifacial	midsection	Unknown	Unknown

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Site No.	Cat. No.	Provenience	Cl.	Type Name	Artifact Description	Portion	Cultural Affiliation	Primary Function
23PO397	1-1	Surface - general	1	Dickson variant	Knife, bifacial	proximal	Woodland, Middle?	Knife
23PO397	1-2	Surface - general	1	Table Rock variant	Biface, stemmed	proximal	Archaic, Late	Unknown
23PO397	1-3	Surface - general	2	Unclassified	Preform	distal	Unknown	Unknown
23PO397	1-4	Surface - general	1	Unclassified	Knife, bifacial	distal	Unknown	Knife
23PO410	1-1	Surface - general	1	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23PO410	1-2	Surface - general	1	Unclassified	Preform, abraded	proximal	Unknown	Unknown
23PO411	1-1	Surface - general	1	Unclassified	Preform	whole	Unknown	Unknown
23PO411	1-2	Surface - general	1	Unclassified	Preform	distal	Unknown	Unknown
23PO412	1-1	Surface - general	1	Unclassified	Knife, flake	N/A	Unknown	Knife
23PO412	1-2	Surface - general	1	Kings Corner Notched	Knife, bifacial	proximal	Archaic, Late - Woodland	Knife
23PO412	1-3	Surface - general	1	Big Creek	Projectile point/knife	proximal	Archaic, Late	Dart point
23PO412	1-4	Surface - general	1	Unclassified	Preform	whole	Woodland?	Arrow point preform
23PO412	1-5	Surface - general	1	Table Rock Stemmed	Biface, stemmed	stem	Archaic, Late	Unknown
23PO412	1-6	Surface - general	1	Sallaw	Arrow point	proximal	Archaic, Late	Arrow point
23PO412	1-7	Surface - general	1	Scallorn	Arrow point	proximal	Mississippi	Arrow point
23PO412	1-8	Surface - general	1	Unclassified	Arrow point	proximal	Woodland, Late-Mississippi	Arrow point
23PO412	1-9	Surface - general	1	Unclassified	Knife, bifacial	distal	Mississippi?	Arrow point
23PO415	1-1	Surface - general	1	Unclassified	Knife, bifacial	whole	Unknown	Knife
23PO415	1-2	Surface - general	1	Unclassified	Knife, bifacial	whole	Unknown	Knife
23PO415	1-3	Surface - general	2	Unclassified	Preform	whole	Unknown	Unknown
23PO415	1-4	Surface - general	3	Unclassified	Knife, bifacial	distal	Unknown	Knife
23PO415	1-5	Surface - general	1	Unclassified	Preform	midsection	Unknown	Unknown
23PO415	1-6	Surface - general	1	Unclassified	Preform	proximal	Unknown	Unknown
23PO416	1-1	Surface - general	1	Stone Corner Notched?	Preform	proximal	Unknown	Unknown
23PO416	1-2	Surface - general	5	Unclassified	Biface, stemmed	proximal	Archaic, Late	Unknown
23PO416	1-3	Surface - general	1	Scallorn eddy	Knife, bifacial	distal	Unknown	Knife
23PO416	1-4	Surface - general	1	Scallorn	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23PO416	1-5	Surface - general	1	Sequoyah	Arrow point	proximal	Woodland, Late-Mississippi	Arrow point
23PO416	1-6	Surface - general	1	Huffaker variant	Arrow point	proximal	Mississippi	Arrow point
23PO416	1-7	Surface - general	1	Unclassified	Arrow point	whole	Mississippi	Arrow point
23PO416	1-8	Surface - general	1	Big Creek?	Knife, bifacial	proximal	Unknown	Knife
23PO416	1-9	Surface - general	1	Unclassified	Biface, stemmed	proximal	Archaic, Late?	Unknown
23PO416	1-10	Surface - general	1	Unclassified	Biface, stemmed	proximal	Unknown	Unknown
23PO417	1-1	Surface - general	1	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23PO417	1-2	Surface - general	1	Stone Corner Notched	Knife, bifacial	whole	Unknown	Knife
23PO417	1-2	Surface - general	1	Stone Corner Notched	Biface, stemmed	proximal	Archaic, Late	Unknown

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Site No.	Cat. No.	Provenience	Cl.	Type Name	Artifact Description	Portion	Cultural Affiliation	Primary Function
23FO417	1-3	Surface - general	1	Unclassified	Preform	proximal	Unknown	Unknown
23FO417	1-4	Surface - general	1	Unclassified	Preform	proximal	Unknown	Unknown
23FO417	1-5	Surface - general	1	Unclassified	Preform	proximal	Unknown	Unknown
23FO418	1-1	Surface - general	1	Dallon	Knife, bifacial	proximal	Archaic, Early	Knife
23FO418	1-2	Surface - general	1	Unclassified	Drill, bifacial	midsection	Unknown	Perforating?
23FO418	1-3	Surface - general	1	Unclassified	Knife, bifacial	midsection	Archaic, Early	Knife
23FO418	1-4	Surface - general	1	Kings Corner Notched	Knife, bifacial	proximal	Archaic, Late - Woodland	Knife
23FO418	1-5	Surface - general	1	White River variant	Dart point	stem	Archaic, Middle	Dart point
23FO418	1-6	Surface - general	2	Unclassified	Preform	proximal	Unknown	Unknown
23FO418	1-7	Surface - general	3	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23FO419	1-2	Surface - general	1	Unclassified	Arrow point	whole	Unknown	Arrow point
23FO419	1-3	Surface - general	1	Unclassified	Biface, stemmed	proximal	Mississippi	Unknown
23FO419	1-4	Surface - general	7	Unclassified	Preform	midsection	Woodford, Middle	Unknown
23FO419	1-5	Surface - general	1	Unclassified	Biface, stemmed	proximal	Unknown	Unknown
23FO419	1-6	Surface - general	1	Unclassified	Knife, bifacial	midsection	Unknown	Unknown
23FO419	1-7	Surface - general	1	Unclassified	Knife, bifacial	distal	Unknown	Knife
23FO420	1-2	Surface - general	1	Harley Knife	Knife/scrapper	distal	Unknown	Knife
23FO420	1-3	Surface - general	1	Unclassified	Knife, bifacial	midsection	Mississippi	Knife
23FO420	1-4	Surface - general	1	Dickson	Knife, bifacial	whole	Unknown	Knife
23FO420	1-5	Surface - general	1	Unclassified	Knife, bifacial	whole	Woodland, Middle	Knife
23FO420	1-6	Surface - general	1	Unclassified	Knife, bifacial	proximal	Woodland?	Knife
23FO420	1-7	Surface - general	6	Unclassified	Knife, flake	N/A	Unknown	Knife
23FO420	1-8	Surface - general	1	Kings Corner Notched var.	Preform	proximal	Unknown	Unknown
23FO420	1-9	Surface - general	1	Unclassified	Knife/scrapper	whole	Archaic, Late - Woodland	Scrapper
23FO420	1-10	Surface - general	1	Unclassified	Knife, bifacial	distal	Unknown	Knife
23FO420	1-11	Surface - general	1	Unclassified	Biface, unstemmed	proximal	Unknown	Unknown
23FO420	1-12	Surface - general	1	Scallorn?	Arrow point	proximal	Woodland, Late-Mississippi	Arrow point
23FO421	1-1	Surface - general	1	Scallorn oryell	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23FO421	1-2	Surface - general	1	Smith	Knife, bifacial	whole	Archaic, Late	Knife
23FO421	1-3	Surface - general	2	Smith variant	Knife, bifacial	whole	Archaic, Late	Knife
23FO421	1-4	Surface - general	1	Unclassified	Knife, bifacial	distal	Unknown	Knife
23FO422	1-1	Surface - general	1	Unclassified	Preform	midsection	Unknown	Unknown
23FO422	1-3	Surface - general	1	Unclassified	Preform, aborted	whole	Unknown	Unknown
23FO422	1-4	Surface - general	4	Snyders	Projectile point/knife	proximal	Woodland, Middle	Knife
23FO422	1-5	Surface - general	10	Unclassified	Preform	distal	Unknown	Unknown
23FO422	1-5	Surface - general	10	Unclassified	Knife, bifacial	distal	Unknown	Knife

## APPENDIX B

### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Provenience	Cl.	Type Name	Artifact Description	Portion	Cultural Affiliation	Primary Function
23PO422	1-6	Surface - general	1	Sydors	Projectile point/knife	proximal	Woodland, Middle	Knife
23PO422	1-7	Surface - general	1	Standee	Knife, bifacial	whole	Archaic, Term. - Woodland	Knife
23PO422	1-8	Surface - general	1	Unclassified	Knife, bifacial	distal	Woodland?	Knife
23PO422	1-9	Surface - general	1	Table Rock Pointed Stem	Projectile point/knife	proximal	Woodland, Late-Mississippi	Knife
23PO422	1-10	Surface - general	1	Unclassified	Knife, bifacial	whole	Unknown	Knife
23PO422	1-11	Surface - general	1	Unclassified	Knife, bifacial	proximal	Woodland?	Knife
23PO422	1-12	Surface - general	3	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23PO422	1-13	Surface - general	1	Unclassified	Knife, bifacial	distal	Unknown	Knife
23PO422	1-14	Surface - general	1	Table Rock Pointed Stem	Knife, stemmed	proximal	Woodland, Late-Mississippi	Unknown
23PO422	1-15	Surface - general	1	Langtry	Biface, stemmed	proximal	Archaic, Late - Woodland	Unknown
23PO422	1-16	Surface - general	1	Red Ochre	Knife, bifacial	proximal	Archaic, Late	Knife
23PO422	1-17	Surface - general	1	Unclassified	Preform	whole	Unknown	Unknown
23PO422	1-18	Surface - general	1	Unclassified	Preform	whole	Unknown	Knife
23PO422	1-19	Surface - general	1	Unclassified	Preform, aborted	whole	Unknown	Unknown
23PO422	1-20	Surface - general	1	Unclassified	Knife, bifacial	whole	Unknown	Knife
23PO422	1-21	Surface - general	1	Unclassified	Preform	proximal	Woodland?	Unknown
23PO422	1-22	Surface - general	1	Unclassified	Preform, aborted	proximal	Unknown	Unknown
23PO422	1-23	Surface - general	1	Unclassified	Preform	proximal	Woodland-Mississippi	Arrow point
23PO422	1-24	Surface - general	1	Unclassified	Arrow point	proximal	Mississippi	Arrow point
23PO422	1-25	Surface - general	1	Unclassified	Arrow point	whole	Mississippi	Arrow point
23PO422	1-26	Surface - general	1	Sallsaw variant	Arrow point	whole	Mississippi	Arrow point
23PO422	1-27	Surface - general	1	Scallorn coryell	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23PO422	1-28	Surface - general	1	Scallorn coryell	Arrow point	proximal	Woodland, Late-Mississippi	Arrow point
23PO422	1-29	Surface - general	1	Scallorn coryell	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23PO422	1-30	Surface - general	1	Scallorn coryell	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23PO422	1-31	Surface - general	1	Scallorn eddy	Arrow point	whole	Woodland, Late-Mississippi	Arrow point
23PO422	1-32	Surface - general	1	Reed variant	Arrow point	whole	Mississippi	Arrow point
23PO423	1-1	Surface - general	1	Scallorn	Arrow point	proximal	Woodland, Late-Mississippi	Arrow point
23PO423	1-2	Surface - general	1	Dickson	Knife, bifacial	whole	Woodland, Middle	Knife
23PO423	1-4	Surface - general	1	Smith	Biface, stemmed	proximal	Archaic, Late	Unknown
23PO423	1-5	Surface - general	4	Unclassified	Knife, bifacial	proximal	Unknown	Knife
23PO423	1-6	Surface - general	2	Unclassified	Knife, bifacial	distal	Unknown	Knife
23PO423	1-7	Surface - general	1	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23PO423	1-8	Surface - general	1	Unclassified	Knife, bifacial	proximal	Unknown	Knife
23PO423	1-9	Surface - general	1	Unclassified	Biface, unstemmed	proximal	Unknown	Unknown
23PO423	1-9	Surface - general	1	Unclassified	Preform, aborted	proximal	Unknown	Unknown

## APPENDIX B

### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Provenience	Qt.	Type Name	Artifact Description	Function	Cultural Affiliation	Primary Function
23PO424	1-1	Surface - general	1	Fairland	Knife, bifacial	proximal	Archaic, Late	Knife
23PO424	1-2	Surface - general	1	Table Rock variant	Dart point	proximal	Archaic, Late	Dart point
23PO424	1-3	Surface - general	1	Big Creek	Knife/scrapper	whole	Archaic, Late	Knife
23PO424	1-4	Surface - general	1	Stone Corner Notched	Biface, stemmed	proximal	Archaic, Late	Unknown
23PO424	1-5	Surface - general	2	Unclassified	Knife, bifacial	distal	Unknown	Knife
23PO424	1-6	Surface - general	1	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23PO425	1-1	Surface - general	1	Unclassified	Dart point	midsection	Unknown	Dart point
23PO425	1-2	Surface - general	3	Unclassified	Preform	misc.	Unknown	Unknown
23PO425	1-3	Surface - general	1	Unclassified	Biface, stemmed	proximal	Archaic, Late?	Unknown
23PO430	1-1	Surface - general	1	Stone Corner Notched	Knife, bifacial	whole	Archaic, Late	Knife
23PO430	1-2	Surface - general	1	Dickson	Knife, bifacial	whole	Woodland, Middle	Knife
23PO433	1-1	Surface - general	1	Unclassified	Biface, stemmed	proximal	Unknown	Unknown
23PO433	1-2	Surface - general	2	Unclassified	Biface	distal	Unknown	Unknown
23PO434	1-1	Surface - general	1	Unclassified	Knife, bifacial	midsection	Unknown	Knife
23PO435	1-1	Surface - general	1	Honus	Knife, bifacial	whole	Archaic, Late	Knife
23PO435	1-2	Surface - general	4	Unclassified	Knife, bifacial	misc.	Unknown	Knife
23PO435	1-3	Surface - general	1	Unclassified	Knife, bifacial	whole	Unknown	Unknown
23PO435	1-4	Surface - general	1	Unclassified	Blank	whole	Unknown	Unknown
23PO440	1-1	Surface - general	1	White River	Blank	distal	Unknown	Unknown
23PO443	1-2	Surface - general	1	Table Rock Pointed Stem	Projectile point/knife	whole	Archaic, Middle	Dart point
23PO443	1-3	Surface - general	1	Unclassified	Knife, bifacial	whole	Woodland, Late-Mississippi	Knife
23PO443	1-4	Surface - general	1	Unclassified	Preform, abraded	whole	Unknown	Unknown
23PO443	1-5	Surface - general	1	Unclassified	Knife/scrapper	whole	Unknown	Knife
23PO446	1-1	Surface - general	1	Unclassified	Blank	whole	Unknown	Unknown
23PO446	1-1	Surface - general	1	Unclassified	Dart point	whole	Woodland?	Dart point
23PO446	1-2	Surface - general	1	Unclassified	Biface, stemmed	stem	Archaic, Late	Unknown
23PO446	1-3	Surface - general	1	Unclassified	Preform	proximal	Unknown	Unknown
23PO451	1-1	Surface - general	1	Unclassified	Blank	proximal	Unknown	Unknown
23PO451	1-2	Surface - general	1	Unclassified	Knife, bifacial	proximal	Unknown	Knife
23PO451	1-3	Surface - general	2	Unclassified	Biface	midsection	Unknown	Unknown

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Ca. No.	Secondary	Jeff. City	Perron	Roads Spr	Elsy	Kootuk	Burlington	Unknown	Other	Position In	Wear Observed
23CE436	1-1	Dart point						1			Re-sharpened	Meat w/boise contact
23CE436	1-2	None						1			Undetermined	Meat w/o boise contact
23CE447	1-1	None			1						Re-sharpened	None
23CE447	1-2	None						1			Undetermined	Meat w/boise contact
23CE448	1-1	None						1			Undetermined	Meat w/boise contact
23CE448	1-2	None						1			Re-sharpened	Meat w/boise contact
23CE448	1-3	None						1			Initial	Meat w/o boise contact
23CE448	1-4	None						1			Undetermined	None
23CE448	1-5	None						1			Undetermined	None
23CE448	1-6	None						1			Undetermined	None
23CE448	1-7	None						1			Initial	None
23CE448	1-8	None						3			Undetermined	Meat w/boise contact
23DA52	1-1	None			1						Undetermined	None
23DA52	1-2	None						1			Undetermined	None
23DA52	1-3	None						1			Initial	None
23DA52	1-4	None						1			Undetermined	None
23DA63	1-1	None	1								Undetermined	None
23DA63	1-2	None						1			Re-sharpened	None
23DA63	1-3	None						1			Undetermined	None
23DA63	1-4	None						1			Undetermined	Meat w/o boise contact
23DA63	1-5	None			1						Undetermined	Meat w/boise contact
23DA63	1-6	None						1			Undetermined	Meat w/o boise contact
23DA63	1-7	None						1	2		Undetermined	None
23DA85	1-1	None						1			Initial	None
23DA85	1-2	None						1			Undetermined	None
23DA85	1-3	None						1			Undetermined	Meat w/o boise contact
23DA85	1-4	None						1			Undetermined	None
23DA85	1-5	None	1					2			Undetermined	Meat w/o boise contact
23DA330	1-1	None						1			Undetermined	None
23DA339	1-1	None						1			Undetermined	Meat w/boise contact
23DA339	1-2	None						1			Undetermined	None
23DA339	1-3	None						1			Undetermined	Meat w/o boise contact
23DA339	1-4	None						1			Undetermined	Meat w/boise contact
23DA339	1-5	None		1				1			Undetermined	None
23DA344	1-2	None						1			Re-sharpened	None
											Undetermined	None

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Secondary	Jeff. City	Pierson	Reeds Spr	Elsy	Keokuk	Burlington	Unknown	Other	Position in	Wear Observed
23DA 362	1-1	None						1			Resharpened	Meat w/ bone contact
23DA 362	1-2	None						1			Undetermined	Meat w/o bone contact
23DA 362	1-3	None						1			Undetermined	Meat w/o bone contact
23DA 362	1-4	Perforator	1								Undetermined	None
23DA 362	1-5	None						1	3		Undetermined	None
23DA 364	1-1	None						1			Undetermined	Meat w/ bone contact
23DA 365	1-1	None						1			Undetermined	None
23DA 365	1-2	None						1			Undetermined	None
23DA 365	1-3	None						1			Undetermined	None
23DA 365	1-4	None						1			Undetermined	None
23DA 365	1-5	None						1			Undetermined	None
23DA 365	1-6	None						1			Resharpened	Meat w/o bone contact
23DA 365	1-7	None						1			Resharpened	Meat w/o bone contact
23DA 365	1-8	None						2	3		Undetermined	None
23DA 365	1-9	None						1			Undetermined	None
23DA 366	1-1	None						1			Undetermined	Meat w/o bone contact
23DA 366	1-2	None						1			Undetermined	Meat w/o bone contact
23DA 366	1-3	None						1			Undetermined	Meat w/o bone contact
23DA 366	1-4	None						1			Undetermined	Meat w/o bone contact
23DA 366	1-5	Knife						1			Resharpened	Meat w/o bone contact
23DA 366	1-6	None						1			Resharpened	Meat w/o bone contact
23DA 366	1-7	None						1			Exhausted	Meat w/o bone contact
23DA 366	1-8	None						1			Undetermined	Meat w/o bone contact
23DA 366	1-9	None						1			Undetermined	Meat w/o bone contact
23DA 366	1-10	None						1			Undetermined	Meat w/o bone contact
23DA 366	1-11	None						1			Undetermined	None
23DA 366	1-12	None						1			Undetermined	Meat w/ bone contact
23DA 366	1-13	None						1			None	None
23DA 366	1-14	None						1			Undetermined	None
23DA 366	1-15	None	1					1			Resharpened	Meat w/ bone contact
23DA 366	1-16	None						1			Undetermined	Meat w/ bone contact
23DA 366	1-17	None						1			Undetermined	None
23DA 366	1-18	None						1			Resharpened	Meat w/o bone contact
23DA 366	1-19	None						1			Undetermined	None
23DA 365	1-20	None						1			Undetermined	Meat w/o bone contact

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cal No.	Secondary	Jeff. City	Plemon	Reeds Spr	Elsey	Keokuk	Burlington	Unknown	Other	Position in	Wear Observed
23DA366	1-21	None						1			Undetermined	Meat w/o bone contact
23DA366	1-22	None						2			Undetermined	None
23DA366	1-23	None						2			Undetermined	None
23DA366	1-24	None						1			Undetermined	Meat w/o bone contact
23DA366	1-25	None						1			Resharpener	None
23DA366	1-26	None						1			Undetermined	None
23DA366	1-27	Hammerstone	1								Undetermined	None
23DA366	1-28	None						1			Undetermined	Meat w/o bone contact
23DA366	1-29	None						1			Resharpener	Meat w/o bone contact
23DA366	1-30	None						1			Undetermined	Meat w/bone contact
23DA366	1-31	None						1			Undetermined	Meat w/o bone contact
23DA366	1-32	None						1			None	None
23DA366	1-33	None						1			Undetermined	None
23DA366	1-34	None						1			Undetermined	None
23DA366	1-35	None						1			Undetermined	None
23DA366	1-36	None						1			Undetermined	None
23DA366	1-37	None						1			Undetermined	None
23DA366	1-38	None						1			Undetermined	None
23DA366	1-39	None						1			Undetermined	None
23DA366	1-40	None						1			Undetermined	None
23DA366	1-42	None						22	34		Undetermined	None
23DA366	1-43	None						1			Undetermined	Meat w/o bone contact
23DA366	1-44	None						1			Undetermined	Meat w/o bone contact
23DA366	1-45	None						1			Undetermined	Meat w/o bone contact
23DA366	1-46	None						1			Undetermined	None
23DA366	1-47	None						1			Undetermined	Meat w/o bone contact
23DA366	1-48	None						1			Undetermined	Meat w/bone contact
23DA366	1-49	None						3	7		Undetermined	None
23DA367	1-1	None						1			None	None
23DA367	1-2	None						1			Undetermined	None
23DA367	1-3	None						1			Undetermined	Meat w/bone contact
23DA367	1-4	None	1					1	3		Undetermined	None
23DA368	1-1	None						1			Undetermined	Meat w/bone contact
23DA368	1-2	Scraper						1			Undetermined	Meat w/o bone contact
23DA368	1-3	Scraper						1			Undetermined	Wood

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Secondary	Jeff. City	Person	Roads Spc	Elsy	Koosuk	Burlington	Unknown	Other	Position	Wear Observed
23DA368	1-4	None						1			Undetermined	Meat w/bone contact
23DA368	1-5	None						1			Undetermined	Meat w/bone contact
23DA368	1-6	None						1			Undetermined	None
23DA368	1-7	None						1			Undetermined	None
23DA368	1-8	None							1		Undetermined	None
23DA368	1-9	Knife									Undetermined	Meat w/bone contact
23DA368	1-10	None									Undetermined	None
23DA368	1-11	None									Undetermined	None
23DA368	1-12	Scraper									Undetermined	Bone/antler
23DA368	1-13	None									Undetermined	None
23DA368	1-14	None									Undetermined	Meat w/bone contact
23DA368	1-15	None									Exhausted	None
23DA368	1-16	None									Undetermined	Meat w/bone contact
23DA368	1-17	None									Undetermined	Meat w/bone contact
23DA368	1-18	Scraper									Undetermined	Meat w/o bone contact
23DA368	1-19	None									Undetermined	Meat w/o bone contact
23DA368	1-20	None									Undetermined	Meat w/o bone contact
23DA368	1-21	None									Undetermined	Meat w/o bone contact
23DA368	1-22	None									Undetermined	Meat w/o bone contact
23DA368	1-23	None									Undetermined	Meat w/o bone contact
23DA368	1-24	None									Undetermined	None
23DA368	1-25	None	1					5	7		Initial	Meat w/bone contact
23DA368	1-26	None									Undetermined	Meat w/bone contact
23DA368	1-27	None									Undetermined	None
23DA368	1-28	None									Undetermined	Meat w/bone contact
23DA368	1-29	None									Undetermined	Meat w/bone contact
23DA368	1-30	None									Undetermined	None
23DA368	1-31	None									Undetermined	None
23DA369	1-1	None									Undetermined	None
23DA369	1-2	None									Undetermined	None
23DA369	1-3	None									Undetermined	None
23DA369	1-4	None									Reshaped	None
23DA369	1-5	None									Undetermined	None
23DA369	1-6	None									Undetermined	None
23DA369	1-7	None									Undetermined	None

## APPENDIX B

### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Secondary	Jeff. City	Person	Recd. Sp.	Flint	Kozluk	Burlington	Unknown	Other	Position is	Wear Observed
23DA370	1-1	None						1			Undetermined	Meat w/bone contact
23DA370	1-2	None							1		Undetermined	Meat w/bone contact
23DA370	1-3	Dart point							1		Undetermined	Meat w/bone contact
23DA370	1-4	None						1			Undetermined	Meat w/bone contact
23DA370	1-5	None						1			Undetermined	Meat w/bone contact
23DA370	1-6	None							1		Undetermined	Meat w/bone contact
23DA370	1-7	None								1	Undetermined	Meat w/bone contact
23DA370	1-8	None							1		Undetermined	Meat w/bone contact
23DA370	1-9	None							1		Undetermined	Meat w/bone contact
23DA370	1-10	None								1	Undetermined	Meat w/bone contact
23DA370	1-11	None								1	Undetermined	Meat w/bone contact
23DA370	1-12	None								1	Undetermined	Meat w/bone contact
23DA370	1-13	None								1	Undetermined	Meat w/bone contact
23DA370	1-14	None								1	Undetermined	Meat w/bone contact
23DA370	1-15	None								1	Undetermined	Meat w/bone contact
23DA370	1-15	None								6	Undetermined	None
23DA371	1-1	None								1	Undetermined	None
23DA371	1-2	None								1	Undetermined	Meat w/bone contact
23DA371	1-3	None								1	Undetermined	Meat w/bone contact
23DA371	1-4	None								1	Undetermined	Meat w/bone contact
23DA371	1-5	Knife								1	Undetermined	Meat w/bone contact
23DA371	1-6	Knife								1	Undetermined	Meat w/bone contact
23DA371	1-7	None								1	Undetermined	None
23DA371	1-8	None								1	Undetermined	None
23DA371	1-9	None								1	Undetermined	Meat w/bone contact
23DA371	1-10	None								1	Undetermined	None
23DA371	1-11	None								1	Undetermined	Meat w/bone contact
23DA371	1-12	None								1	Undetermined	Meat w/bone contact
23DA371	1-13	None								1	Undetermined	Meat w/bone contact
23DA371	1-14	None								1	Undetermined	None
23DA371	1-15	None								1	Undetermined	Meat w/bone contact
23DA371	1-16	None								1	Undetermined	Meat w/bone contact
23DA371	1-17	None								2	Undetermined	None
23DA371	1-18	None								8	Undetermined	Meat w/bone contact
23DA371	1-19	None								1	Undetermined	None
23DA371	1-20	None								3	Undetermined	Meat w/bone contact

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Secondary	Jeff. City	Peters	Reeds Spr	Elsey	Keokuk	Burlington	Unknown	Other	Position in	W/Car Observed
23DA371	1-21	None	1					3	7		Undetermined	None
23DA371	1-22	None						1			Undetermined	None
23DA371	1-23	None						1			Undetermined	None
23DA371	1-24	None						1			Undetermined	None
23DA371	1-25	None							1		Exhausted	Wood
23DA371	1-26	None							1		Exhausted	Wood
23DA371	1-27	None							1		Exhausted	Wood
23DA371	1-29	None							1		Initial	Meat w/bone contact
23DA371	1-30	None							1		Initial	Meat w/bone contact
23DA371	1-31	None							1		Initial	Meat w/bone contact
23DA371	1-32	None							1		Initial	None
23DA371	1-33	None							1		Undetermined	Meat w/bone contact
23DA371	1-34	None							1		Undetermined	Meat w/bone contact
23DA371	1-35	None	2					19	53		Undetermined	None
23DA371	1-36	None							5	1	Undetermined	None
23DA371	1-37	None							1		Undetermined	Meat w/o bone contact
23DA371	1-38	None						1			Undetermined	Wood
23DA371	1-40	None	3					2	12		Undetermined	Meat w/bone contact
23DA371	1-41	None	1						2		Undetermined	None
23DA371	1-42	None						1			Undetermined	Meat w/bone contact
23DA371	1-43	None								1	Undetermined	None
23DA371	1-44	None							1		Undetermined	None
23DA371	1-45	None							1		Undetermined	None
23DA371	1-46	None							1		Undetermined	None
23DA371	1-47	None			1						Undetermined	Meat w/bone contact
23DA371	1-48	None						1			Undetermined	None
23DA371	1-49	None							1		Initial?	Meat w/bone contact
23DA371	1-50	Scraper						1			Initial	Meat w/bone contact
23DA371	1-51	None							1		Initial	Meat w/bone contact
23DA371	1-52	None							1		Undetermined	Meat w/o bone contact
23DA371	1-53	None							1		Undetermined	None
23DA371	1-54	None						1			Undetermined	Meat w/o bone contact
23DA371	1-55	None							1		Initial	Meat w/bone contact
23DA371	1-56	None							1		Initial	Meat w/bone contact
23DA371	1-57	None							1		Undetermined	Meat w/bone contact

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Secondary	Jeff. City	Person	Reeds Spr	Essex	Kokoiak	Burlington	Unknown	Other	Position in	Wear Observed
23DA371	1-58	Dart point		1							Initial	Meat w/bone contact
23DA371	1-59	None										Meat w/bone contact
23DA371	1-60	None					1				Initial	None
23DA371	1-61	None									Initial	Meat w/bone contact
23DA371	1-62	None									Initial	Meat w/bone contact
23DA371	1-63	Knife									Undetermined	Meat w/bone contact
23DA371	1-64	None									Undetermined	None
23DA371	1-65	None									Undetermined	Meat w/bone contact
23DA371	1-66	None		1							Undetermined	Meat w/o bone contact
23DA371	1-67	Dart point									Undetermined	Meat w/bone contact
23DA371	1-68	Dart point									Undetermined	Meat w/bone contact
23DA371	1-69	None					1				Undetermined	Meat w/bone contact
23DA371	1-70	None									Undetermined	None
23DA371	1-71	None									Undetermined	Meat w/o bone contact
23DA371	1-72	None									Undetermined	None
23DA371	1-73	None									Undetermined	Wood
23DA371	1-74	None									Undetermined	Bone/antler
23DA371	1-75	None									Undetermined	None
23DA371	1-76	None									Undetermined	Meat w/bone contact
23DA371	1-77	Dart point									Undetermined	Meat w/bone contact
23DA371	1-78	None									Undetermined	Meat w/bone contact
23DA371	1-79	None									Exhausted	Meat w/bone contact
23DA371	1-80	None									Undetermined	Meat w/bone contact
23DA371	1-81	None									Undetermined	Soft stone or pottery
23DA371	1-82	None									Exhausted	None
23DA371	1-83	None									Undetermined	None
23DA371	1-84	None									Undetermined	None
23DA371	1-85	None									Undetermined	None
23DA371	1-86	None									Undetermined	Meat w/bone contact
23DA371	1-87	None									Undetermined	None
23DA371	1-88	None									Exhausted	Meat w/o bone contact
23DA371	1-89	None									Undetermined	None
23DA371	1-90	None									Undetermined	None
23DA371	1-91	None									Exhausted	None
23DA371	1-92	Knife									Initial	Meat w/bone contact



APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Secondary	Jeff. City	Person	Reeds Spr	Elsy	Kookuk	Burlington	Unknown	Other	Position in	Wear Observed
23DA371	1-12	None	1					4			Undetermined	None
23DA371	1-12	Knife						1			Undetermined	Meat w/bone contact
23DA371	1-13	None						1			Undetermined	None
23DA371	1-13	None						1			Undetermined	None
23DA371	1-13	None						1			Undetermined	None
23DA371	1-13	None						1			Undetermined	Meat w/o bone contact
23DA371	1-13	None						1			Undetermined	None
23DA371	1-13	None						1			Resharpended	None
23DA371	1-13	None						1			Initial	None
23DA371	1-13	None						1			Undetermined	None
23DA371	1-13	None						1			Undetermined	None
23DA371	1-13	None						1			Undetermined	None
23DA371	1-14	None						1			Undetermined	None
23DA371	1-14	None						1			Undetermined	Wood
23DA372	1-1	None						1			Undetermined	None
23DA372	1-2	None						1			Undetermined	None
23DA372	1-3	None	1					4			Undetermined	None
23DA373	1-1	None						1			Undetermined	None
23DA373	1-2	None						1			Undetermined	None
23DA373	1-3	None						1			Undetermined	None
23DA373	1-4	None						1			Resharpended	Meat w/bone contact
23DA373	1-5	None						1			Undetermined	None
23DA373	1-6	None						1			Undetermined	None
23DA374	1-1	None						1			Undetermined	None
23DA374	1-2	None						1			Undetermined	None
23DA374	1-3	None						1			Undetermined	None
23DA374	1-4	None						1			Undetermined	None
23DA374	1-5	None	1					1			Undetermined	None
23DA375	1-1	None						2			Undetermined	Meat w/bone contact
23DA376	1-1	None	1					1			Undetermined	Meat w/bone contact
23DA376	1-2	None						1			Initial	Meat w/bone contact
23DA376	1-3	None						1			Undetermined	Meat w/bone contact
23DA376	1-4	None						1			Undetermined	None
23DA376	1-5	None						2			Undetermined	None
23DA377	1-1	None						1			Resharpended	Meat w/bone contact

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Secondary	Jeff. City	Pierson	Reeds Spr	Elsey	Kooluk	Burlington	Unknown	Other	Position Iz	Wear Observed
23DA377	1-2	Kaife						1			Undetermined	Meat w/bone contact
23DA377	1-3	None							1		Undetermined	Meat w/bone contact
23DA377	1-4	None							1		Resharpned	Meat w/bone contact
23DA377	1-5	Kaife						1			Undetermined	Meat w/bone contact
23DA377	1-6	None						1			Resharpned	Meat w/bone contact
23DA377	1-7	None							1		Undetermined	None
23DA377	1-8	None							1		Undetermined	Meat w/bone contact
23DA377	1-9	None							1		(a) (b) (c)	Meat w/bone contact
23DA377	1-10	None						1	2		Undetermined	Meat w/bone contact
23DA377	1-11	None						2			Undetermined	None
23DA379	1-1	None							1		Undetermined	Meat w/bone contact
23DA379	1-2	None						1			Undetermined	Wood
22DA380	1-1	None						1			Resharpned	Meat w/bone contact
23DA380	1-2	None							1		Undetermined	Meat w/bone contact
23DA380	1-3	None						1			Undetermined	None
23DA380	1-4	None							1		Undetermined	None
23DA381	1-1	None						1			Undetermined	None
23DA381	1-2	None							1		Undetermined	None
23DA381	1-3	None							1		Undetermined	None
23DA382	1-1	None								1	Undetermined	None
23DA382	1-2	None							1		Undetermined	None
23DA382	1-3	None							1		Undetermined	None
23DA382	1-4	None							1		Undetermined	None
23DA382	1-5	None							2		Undetermined	Meat w/bone contact
23DA383	1-1	None							1		Undetermined	None
23DA383	1-2	None							1		Undetermined	None
23DA383	1-3	None							1		Undetermined	None
23DA383	1-4	None							1		Undetermined	None
23DA383	1-5	None							2		Undetermined	None
23DA384	1-1	None							1		Undetermined	Meat w/bone contact
23DA385	1-1	None							3		Undetermined	None
23DA385	1-2	None							4		Undetermined	None
23DA385	1-3	None							1		Undetermined	Meat w/bone contact
23DA385	1-4	None							4	16	Resharpned	Meat w/boat contact
23DA385	1-5	None							1	2	Undetermined	None
23DA385	1-6	None							1	1	Undetermined	Meat w/bone contact
23DA385	1-7	None							1	1	Undetermined	Meat w/bone contact
23DA385	1-8	None							1	1	Undetermined	None
23DA385	1-9	None							1	1	Undetermined	None
23DA385	1-10	None							1	1	Undetermined	None
23DA385	1-11	None							1	1	Undetermined	None
23DA385	1-12	None							1	1	Undetermined	None
23DA385	1-13	None							1	1	Undetermined	None
23DA385	1-14	Scrapet							1	1	Undetermined	None
23DA385	1-15	None							1	1	Undetermined	None

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Secondary	Jeff. City	Pierson	Reeds Spr	Elsy	Kootuk	Burlington	Unknown	Other	Position	Wear Observed
23DA385	1-6	None					1				Undetermined	None
23DA385	1-7	None						1			Undetermined	Meat w/bone contact
23DA385	1-8	None									Initial	Meat w/bone contact
23DA385	1-9	None									Resharpened	Meat w/bone contact
23DA385	1-10	None									Undetermined	None
23DA385	1-11	None									Reworked	None
23DA385	1-12	None									Resharpened	Meat w/bone contact
23DA385	1-13	None									Undetermined	Meat w/bone contact
23DA385	1-14	None									Undetermined	None
23DA385	1-15	None									Undetermined	Meat w/bone contact
23DA385	1-16	None									Exhausted	Meat w/bone contact
23DA385	1-17	None									Undetermined	Meat w/bone contact
23DA385	1-18	None									Undetermined	None
23DA385	1-19	None									Undetermined	Meat w/bone contact
23DA386	1-1	None						1			Resharpened	Meat w/bone contact
23DA386	1-2	None						1			Resharpened	Meat w/bone contact
23DA386	1-3	None	1					12	25		Undetermined	None
23DA386	1-4	None							4		Undetermined	Meat w/bone contact
23DA386	1-5	None							9		Undetermined	Meat w/bone contact
23DA386	1-6	None							7		Undetermined	None
23DA386	1-7	Knife							1		Resharpened	Meat w/o bone contact
23DA386	1-8	None							1		Resharpened	Meat w/bone contact
23DA386	1-9	None							1		Resharpened	Meat w/bone contact
23DA386	1-11	None							1		Exhausted	None
23DA386	1-12	None							1		Resharpened	None
23DA386	1-13	None							1		Exhausted	None
23DA386	1-14	None							1		Undetermined	Meat w/bone contact
23DA386	1-15	None							1		Undetermined	Meat w/bone contact
23DA386	1-16	None							1		Exhausted	None
23DA386	1-17	None							1		Exhausted	None
23DA386	1-18	None							1		Exhausted	Meat w/bone contact
23DA386	1-19	None							1		Resharpened	Meat w/bone contact
23DA386	1-20	None							1		Undetermined	None
23DA386	1-21	Knife							1		Undetermined	Meat w/bone contact
23DA386	1-22	None							1		Exhausted	None

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Secondary	Jeff. City	Pearson	Reeds Spr	Elsy	Kootuk	Burlington	Unknown	Other	Position In	Wear Observed
23DA386	1-23	None							1		Undetermined	None
23DA386	1-24	None							1		Undetermined	Meat w/bone contact
23DA386	1-25	Knife					1				Undetermined	Meat w/o bone contact
23DA386	1-26	Dart point							1		Undetermined	Meat w/bone contact
23DA386	1-27	None							1		Resharpned	Meat w/bone contact
23DA386	1-28	None							1		Resharpned	Meat w/bone contact
23DA386	1-29	None						2			Undetermined	None
23DA386	1-30	None				1					Undetermined	None
23DA386	1-31	None							1		Undetermined	None
23DA386	1-32	None							2		Undetermined	None
23DA386	1-33	Dart point									Undetermined	Meat w/bone contact
23DA386	1-34	Dart point						1			Undetermined	Meat w/bone contact
23DA386	1-35	None							1		Undetermined	None
23DA386	1-36	None							1		Undetermined	None
23DA386	1-37	None							1		Undetermined	None
23DA387	1-1	None						10	25		Undetermined	None
23DA387	1-2	None					1				Resharpned	Meat w/bone contact
23DA387	1-3	None						1	3		Undetermined	Meat w/bone contact
23DA387	1-4	None					1				Resharpned	Meat w/bone contact
23DA387	1-5	None							1		Undetermined	Meat w/bone contact
23DA387	1-6	None							1		Exhausted	Meat w/bone contact
23DA387	1-7	None							1		Resharpned	Meat w/bone contact
23DA387	1-8	None							1		Exhausted	Meat w/bone contact
23DA387	1-9	None							4		Undetermined	None
23DA387	1-10	Dart point							1		Undetermined	Meat w/bone contact
23DA387	1-11	Knife?							1		Undetermined	None
23DA387	1-12	None							1		Undetermined	None
23DA387	1-13	None							1		Undetermined	None
23DA387	1-14	None							1		Undetermined	Meat w/bone contact
23DA387	1-15	None							3		Resharpned	Meat w/bone contact
23DA387	1-16	None							1		Undetermined	None
23DA387	1-17	Knife							5		Undetermined	Meat w/bone contact
23DA387	1-18	None							1		Resharpned	Meat w/bone contact
23DA387	1-19	None							1		Undetermined	None
23DA387	1-20	None							1		Undetermined	None
23DA387			1								Undetermined	Meat w/bone contact

## APPENDIX B

### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Secondary	Jeff. City	Pikron	Reeds Sp	Elsy	Kookuk	Burlington	Unknown	Other	Position	Wear Observed
23DA387	1-21	None						1			Exhausted	Bone/antler
23DA387	1-22	None						1			Undetermined	None
23DA387	1-23	None						1			Undetermined	Meat w/bone contact
23DA387	1-24	None						1			Undetermined	Meat w/bone contact
23DA387	1-25	None						1			Exhausted	Meat w/bone contact
23DA387	1-26	None						1			Exhausted	None
23DA387	1-27	None						1			Resharpened	None
23DA387	1-28	None						1			Resharpened	Meat w/bone contact
23DA387	1-29	None						1			Resharpened	Meat w/bone contact
23DA387	1-30	None						1			Undetermined	None
23DA387	1-31	None						1			Undetermined	None
23DA387	1-32	None						1			Undetermined	None
23DA387	1-33	Dart point						1			Resharpened	Meat w/bone contact
23DA387	1-34	Scraper						1			Exhausted	Meat w/bone contact
23DA387	1-35	None						1			Undetermined	None
23DA387	1-36	None	1					1			Resharpened	Meat w/bone contact
23DA387	1-37	None						1			Undetermined	Meat w/bone contact
23DA387	1-38	None						1			Undetermined	None
23DA387	1-39	None						1			Undetermined	None
23DA387	1-40	None						1			Undetermined	None
23DA387	1-41	None						1			Undetermined	None
23DA388	1-1	None						1			Resharpened	Meat w/bone contact
23DA388	1-2	None						1			Undetermined	Meat w/bone contact
23DA388	1-3	None						1			Initial	None
23DA389	1-1	None						1			Resharpened	Meat w/bone contact
23DA389	1-2	None						1			Exhausted	Meat w/o bone contact
23DA389	1-3	None	1					1			Exhausted	Meat w/bone contact
23DA389	1-4	None	1					1			Undetermined	Meat w/bone contact
23DA389	1-5	None						1			Undetermined	None
23DA390	1-1	None						1			Undetermined	None
23DA390	1-2	None						1			Undetermined	Meat w/bone contact
23DA390	1-3	None						1			Undetermined	Meat w/bone contact
23DA391	1-1	None						1			Exhausted	None
23DA391	1-2	None						1			Undetermined	Meat w/bone contact
23DA392	1-1	None						1			Exhausted	None

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Secondary	Jeff. City	Person	Reeds Spr	Elsy	Kootuk	Burlington	Unknown	Other	Position in	Wear Observed
23DA392	1-2	None						1			Undetermined	None
23DA392	1-3	Knife						1			Undetermined	Meat w/o bone contact
23DA392	1-4	None						1			Undetermined	None
23DA393	1-1	None		1				8	52		Undetermined	None
23DA393	1-2	None			1			3	16		Undetermined	Meat w/bone contact
23DA393	1-3	None						1	5		Undetermined	None
23DA393	1-4	None									Undetermined	None
23DA393	1-6	None						3			Undetermined	Meat w/bone contact
23DA393	1-7	None						1			Undetermined	None
23DA393	1-8	None						1			Undetermined	None
23DA393	1-9	None						1			Undetermined	None
23DA393	1-10	None						1			Undetermined	None
23DA393	1-11	None						1			Undetermined	None
23DA393	1-12	None						1			Undetermined	None
23DA393	1-13	None						1			Undetermined	None
23DA393	1-14	None						1			Undetermined	None
23DA393	1-15	None						1			Undetermined	None
23DA393	1-16	None						1			Undetermined	None
23DA393	1-17	None						1			Undetermined	None
23DA393	1-19	None						1			Undetermined	None
23DA393	1-20	None						1			Undetermined	None
23DA393	1-21	None						1			Undetermined	None
23DA393	1-22	None						1			Undetermined	None
23DA393	1-23	None	1					1			Undetermined	Meat w/bone contact
23DA393	1-24	None						1			Resharpned	None
23DA393	1-25	Scraper	1					1			Undetermined	None
23DA393	1-26	None						1			Undetermined	None
23DA393	1-27	None						1			Resharpned	Meat w/bone contact
23DA393	1-28	Scraper						1			Initial	Meat w/bone contact
23DA393	1-29	None						1			Resharpned	Meat w/bone contact
23DA393	1-30	None						1			Resharpned	None
23DA393	1-31	Scraper						1			Resharpned	Meat w/bone contact
23DA393	1-32	None						1			Resharpned	None
23DA393	1-33	None						1			Resharpned	Meat w/bone contact
23DA393	1-34	None						1			Undetermined	Meat w/bone contact

## APPENDIX B

### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Secondary	Jeff. City	Person	Recds Spr	Else?	Krookuk	Burlington	Unborns	Other	Positons in	Wear Observed
23DA393	1-35	None						1			Resharpened	Meat w/bone contact
23DA393	1-36	None						1			Undetermined	Meat w/bone contact
23DA393	1-38	None						1			Resharpened	None
23DA393	1-39	None						1			Undetermined	Meat w/bone contact
23DA393	1-40	Knife?						1			Undetermined	None
23DA393	1-41	None						1			Exhausted	Bone/halter
23DA393	1-42	Dart point						1			Resharpened	Meat w/o bone contact
23DA393	1-43	None						1			Undetermined	None
23DA393	1-44	None						1			Undetermined	None
23DA393	1-45	None						1			Resharpened	Meat w/bone contact
23DA393	1-46	None						1			Undetermined	None
23DA393	1-47	None						1			Resharpened	Meat w/bone contact
23DA393	1-48	None						1			Resharpened	Meat w/bone contact
23DA393	1-49	None						1			Exhausted	Meat w/bone contact
23DA393	1-50	None						1			Resharpened	None
23DA393	1-51	None						1			Resharpened	None
23DA393	1-52	None						1			Resharpened	Meat w/boe : contact
23DA393	1-53	None						1			Exhausted	None
23DA393	1-54	Knife						1			Resharpened	Meat w/bone contact
23DA393	1-55	None						1			Resharpened	Meat w/o bone contact
23DA393	1-56	None						1			Initial	None
23DA393	1-57	None						1			Undetermined	Meat w/bone contact
23DA393	1-58	None						10			Undetermined	None
23DA393	1-59	None						1			Undetermined	Meat w/bone contact
23DA393	1-60	Knife						1			Resharpened	Meat w/boee contact
23DA393	1-61	None						1			Resharpened	Meat w/o bone contact
23DA393	1-62	None						1			Undetermined	Meat w/o bone contact
23DA393	1-63	None						1			Undetermined	Meat w/boee contact
23DA393	1-64	Knife						1			Resharpened	Meat w/o bone contact
23DA393	1-65	Scraper						1			Resharpened	Meat w/boee contact
23DA393	1-66	None						1			Exhausted	Meat w/o bone contact
23DA393	1-68	None						1			Undetermined	None
23DA393	1-69	None						1			Undetermined	None
23DA393	1-70	None						1			Undetermined	None
23DA393	1-71	None						1			Resharpened	Meat w/bone contact

## APPENDIX B

### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Secondary	Jeff. City	Pleasant	Reeds Spr	Eley	Kookuk	Burlington	Unknown	Other	Position in	Wear Observed
23DA393	1-72	None						1			Undetermined	None
23DA393	1-73	None							1		Resharpener	Meat w/bone - contact
23DA393	1-74	None							1		Undetermined	Meat w/bone: contact
23DA393	1-75	None							1		Undetermined	None
23DA393	1-76	None							1		Resharpener	Meat w/bone contact
23DA393	1-77	None							1		Undetermined	None
23DA393	1-78	None						1			Resharpener	Meat w/bone - contact
23DA393	1-79	None							1		Undetermined	None
23DA393	1-80	None							1		Undetermined	None
23DA393	1-81	None							1		Undetermined	None
23DA393	1-82	None							1		Undetermined	None
23DA393	1-83	None							1		Undetermined	None
23DA393	1-84	None							1		Undetermined	None
23DA393	1-85	Scraper							1		Exhausted	Meat w/bone contact
23DA393	1-86	None							1		Undetermined	None
23DA393	1-87	None						1			Undetermined	None
23DA393	1-88	None							1		Undetermined	Meat w/o bone contact
23DA393	1-89	None							1		Undetermined	None
23DA394	1-1	None									Undetermined	None
23DA394	1-2	None							2		Undetermined	None
23DA395	1-1	None							1		Undetermined	None
23DA395	1-2	Dart point							1		Exhausted	None
23DA395	1-3	None							2		Undetermined	None
23DA395	1-4	None							1		Undetermined	None
23DA395	1-5	None							1		Exhausted	None
23DA395	1-6	None							1		Undetermined	None
23DA395	1-7	None							1		Exhausted	None
23DA396	1-1	None							1		Undetermined	None
23DA396	1-2	None							1		Undetermined	Meat w/bone contact
23DA396	1-3	None							3		Initial	None
23DA396	1-4	None								1	Initial	Meat w/bone contact
23DA396	1-5	None									Undetermined	None
23DA396	1-6	None							1		Undetermined	Meat w/o bone contact
23DA396	1-7	None							2		Undetermined	None
23DA396	1-7	None							1		Undetermined	None
23DA396	1-8	None								1	Undetermined	Meat w/bone contact

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Secondary	Jeff. City	Plasma	Reeds Spr	Elsey	Keokuk	Burlington	Unkowsya	Cher	Position in	Wear Observed
23DA397	1-1	None	2					7	5	1	Undetermined	None
23DA397	1-2	None						1			Undetermined	None
23DA397	1-3	None			1				3		Undetermined	Meat w/bone contact
23DA397	1-4	None						1	4		Undetermined	Meat w/bone contact
23DA397	1-5	None									Undetermined	None
23DA397	1-6	None	1						1		Undetermined	None
23DA397	1-7	None						1			Undetermined	None
23DA397	1-8	Knife									Initial	Meat w/o bone contact
23DA397	1-9	None							1		Resharpened	None
23DA397	1-10	None							1		Resharpened	Meat w/bone contact
23DA397	1-11	None							1		Undetermined	Meat w/bone contact
23DA397	1-12	None							1		Undetermined	None
23DA397	1-13	None							1		Resharpened	Meat w/bone contact
23DA397	1-14	None	1								Exhausted	Meat w/o bone contact
23DA397	1-15	None								1	Undetermined	None
23DA397	1-16	None							1		Undetermined	None
23DA397	1-17	None									Initial	Meat w/bone contact
23DA397	1-18	None							1		Undetermined	None
23DA398	1-1	None						1			Undetermined	None
23DA398	1-2	None							1		Undetermined	None
23DA398	1-3	None						1			Undetermined	None
23DA398	1-4	None						1			Undetermined	None
23DA398	1-5	None							1		Undetermined	None
23DA398	1-6	None									Resharpened	Meat w/bone contact
23DA398	1-7	None						1			Resharpened	Meat w/bone contact
23DA398	1-8	None							1		Undetermined	None
23DA398	1-9	None							1		Undetermined	Meat w/bone contact
23DA399	1-1	None									Resharpened	Meat w/bone contact
23DA400	1-1	Scraper									Undetermined	None
23DA400	1-2	None	7						1		Resharpened	Meat w/bone contact
23DA400	1-3	None	1						1		Undetermined	None
23DA400	1-4	Dart point									Undetermined	Meat w/bone contact
23DA400	1-5	None							1		Undetermined	None
23DA400	1-6	None	1								Initial	None
23DA400	1-7	None								1	Undetermined	None
23DA400	1-8	Dart point?							1		Resharpened	Meat w/bone contact
23DA400	1-9	None									Undetermined	Meat w/o bone contact

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Secondary	Jeff. City	Person	Reeds Spr	Elsy	Kookuk	Burlington	Unknown	Other	Position is	Wear Observed
23DA400	1-10	None						1			Undetermined	None
23DA400	1-11	None							1		Resharpended	Meat w/o bone contact
23DA400	1-13	None			1						Exhausted	None
23DA400	1-14	None	1								Undetermined	Meat w/bone contact
23DA400	1-15	None	1								Undetermined	None
23DA401	1-1	None						1			Resharpended	Meat w/bone contact
23DA401	1-2	None	2					11	10	1	Undetermined	None
23DA401	1-3	None							1		Initial	None
23DA401	1-4	None						1			Resharpended	Meat w/bone contact
23DA401	1-5	None						1			Resharpended	Meat w/o bone contact
23DA401	1-6	Dart point						1			Undetermined	Meat w/bone contact
23DA401	1-7	None						1			Undetermined	Meat w/bone contact
23DA401	1-8	None						1			Resharpended	Meat w/bone contact
23DA401	1-9	None						1			Initial	Meat w/bone contact
23DA401	1-10	None						1			Resharpended	Meat w/bone contact
23DA401	1-11	None						2			Undetermined	None
23DA401	1-12	None						2	2		Undetermined	Meat w/bone contact
23DA401	1-13	None	1					2			Undetermined	None
23DA401	1-14	None		1				2	1		Undetermined	None
23DA401	1-15	None						1			Undetermined	None
23DA401	1-16	Knife						1			Undetermined	Meat w/bone contact
23DA401	1-17	None						1			Exhausted	None
23DA401	1-18	None						1			Undetermined	Meat w/bone contact
23DA401	1-19	None						1			Undetermined	Meat w/o bone contact
23DA401	1-20	None	1								Resharpended	Meat w/o bone contact
23DA401	1-21	None	1								Undetermined	None
23DA401	1-22	None						1			Undetermined	None
23DA401	1-23	None						1			Undetermined	Meat w/bone contact
23DA401	1-24	None						1			Undetermined	None
23DA401	1-25	None						1			Undetermined	None
23DA401	1-26	None						1			Undetermined	None
23DA401	1-27	None						1			Undetermined	None
23DA402	1-1	None						1			Resharpended	Meat w/o bone contact
23DA402	1-2	None						3			Undetermined	None
23DA402	1-3	None						1			Undetermined	Meat w/bone contact

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Secondary	Jeff. City	Plerson	Reeds Spr	Esley	Kootuk	Burlington	Unknown	Other	Position	Wear Observed
23DA402	1-4	None						2			Undetermined	None
23DA403	1-1	Dart point						1			Undetermined	Meat w/bone contact
23DA403	1-2	None						1			Undetermined	None
23DA403	1-3	None						3			Undetermined	None
23DA403	1-4	None						2			Undetermined	Meat w/bone contact
23DA403	1-5	None						1			Initial	Meat w/bone contact
23DA403	1-6	None		1							Resharpened	Meat w/bone contact
23DA405	1-1	None									Resharpened	Meat w/bone contact
23DA405	1-2	None			1			1			Undetermined	None
23DA405	1-3	None						1			Undetermined	None
23DA405	1-4	Core						1			Resharpened	None
23DA405	1-5	None						1			Undetermined	None
23DA405	1-6	None						1			Undetermined	None
23DA406	1-1	None						1			Undetermined	Meat w/bone contact
23DA407	1-2	None						1			Undetermined	Meat w/o bone contact
23DA407	1-4	None					1	1			Undetermined	Meat w/o bone contact
23DA408	1-1	None						1			Undetermined	Meat w/o bone contact
23DA408	1-2	None						1			Undetermined	Meat w/o bone contact
23DA408	1-3	None						1			Undetermined	None
23DA408	1-4	None						2			Undetermined	None
23DA408	1-5	None						1			Undetermined	Wood
23DA410	1-1	None	1								Undetermined	None
23DA412	1-1	None						1			Undetermined	None
23DA412	1-2	None	1								Undetermined	None
23DA412	1-3	None						1			Resharpened	None
23DA412	1-4	None						1			Undetermined	None
23DA413	1-1	None						1			Undetermined	None
23PO230	1-1	None									Resharpened	None
23PO230	1-2	None						1			Undetermined	None
23PO230	1-3	Dart point?						1			Undetermined	None
23PO230	1-4	None						1			Resharpened	Meat w/bone contact
23PO304	1-1	None	1								Undetermined	Meat w/bone contact
23PO304	1-2	None						1			Undetermined	None
23PO304	1-3	None						1			Resharpened	Meat w/bone contact
23PO304	1-4	None						1			Undetermined	None

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Secondary	Jeff. City	Piccola	Reeds Spr	Elroy	Koosuk	Burlington	Unknown	Other	Position in	Wear Observed
23PO304	1-5	None						1			Undetermined	None
23PO320	1-1	None						1			Undetermined	None
23PO320	1-2	None						1			Undetermined	None
23PO351	1-1	None						1			Resharpener	Meat w/o bone contact
23PO351	1-2	None			1			1			Resharpener	Meat w/bone contact
23PO351	1-3	Scraper						1			Exhausted	Meat w/bone contact
23PO351	1-4	None						1	6		Undetermined	None
23PO351	1-5	None						2	2		Undetermined	None
23PO351	1-6	None						2	2		Undetermined	None
23PO351	1-7	None						1			Undetermined	None
23PO351	1-8	None						1			Undetermined	None
23PO351	1-9	None						1			Undetermined	None
23PO351	1-10	None					1				Undetermined	None
23PO351	1-11	None						1			Undetermined	None
23PO351	1-12	None						1			Resharpener	None
23PO351	1-13	None						1			Undetermined	None
23PO351	1-14	None						1			Exhausted	Meat w/bone contact
23PO351	1-15	None						1			Undetermined	None
23PO351	1-16	None						1			Undetermined	None
23PO351	1-17	None						1			Undetermined	None
23PO351	1-18	None						1			Undetermined	None
23PO351	1-19	None						1			Undetermined	None
23PO351	2-1	None						1			Resharpener	Meat w/o bone contact
23PO351	2-2	None						3	6		Undetermined	None
23PO351	2-3	None						2	4		Undetermined	None
23PO351	2-4	None						2	3		Undetermined	None
23PO351	2-8	None						1			Undetermined	None
23PO351	2-9	None						1			Undetermined	None
23PO351	2-10	None						1			Undetermined	None
23PO351	2-11	None						1			Undetermined	None
23PO351	2-12	None						1			Undetermined	None
23PO351	2-13	None						1			Undetermined	Meat w/bone contact
23PO351	2-14	None						1			Undetermined	None
23PO351	2-15	None						1			Undetermined	None
23PO351	2-16	None						1			Resharpener	Meat w/bone contact

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Secondary	Jeff. City	Person	Reeds Spr	Elsey	Krookuk	Burlington	Unknown	Other	Position in	Wear Observed
23PO351	2-17	None							1		Undetermined	None
23PO351	3-1	None							1		Undetermined	Meat w/bone contact
23PO351	3-2	None							1		Undetermined	Meat w/bone contact
23PO351	3-3	None							1		Undetermined	None
23PO351	3-4	Dart point							1		Undetermined	Meat w/bone contact
23PO351	3-5	None					1				Undetermined	None
23PO351	3-6	None			1				6		Initial	None
23PO351	3-7	None							5		Undetermined	None
23PO351	3-8	None						1	4		Undetermined	Meat w/bone contact
23PO351	3-9	None							1		Undetermined	None
23PO351	3-10	None							1		Undetermined	Meat w/bone contact
23PO351	3-11	None							1		Undetermined	None
23PO351	4-1	None							1		Initial	Meat w/bone contact
23PO351	4-2	None							1		Exhausted	Meat w/bone contact
23PO351	4-3	Dart point					1				Resharpens	Meat w/bone contact
23PO351	4-4	None							1		Undetermined	Meat w/bone contact
23PO351	4-5	None		1							Undetermined	None
23PO351	4-6	None							1		Undetermined	Meat w/bone contact
23PO351	4-7	None							6	1	Undetermined	None
23PO351	4-8	None						2	4		Undetermined	None
23PO351	4-9	None						1	1		Undetermined	Meat w/bone contact
23PO351	4-10	None							1		Undetermined	None
23PO355	1-1	None							1		Undetermined	None
23PO355	1-2	None							1		Undetermined	None
23PO355	1-3	None							1		Undetermined	None
23PO355	1-4	None							1		Undetermined	Meat w/bone contact
23PO355	1-5	None							1		Undetermined	None
23PO355	1-6	None							1	4	Undetermined	Meat w/bone contact
23PO355	1-7	None	1						1		Undetermined	None
23PO355	1-8	None							1		Undetermined	Meat w/bone contact
23PO355	1-9	None							1		Undetermined	Meat w/bone contact
23PO355	1-10	None							1		Undetermined	Meat w/bone contact
23PO355	1-11	None							1		Resharpens	Meat w/bone contact
23PO357	1-1	None							1		Undetermined	Meat w/bone contact
23PO357	1-2	None							1		Undetermined	None
23PO357									1		Undetermined	Meat w/o bone contact

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Secondary	Jeff. City	Pleasant	Reeds Spr	Elsey	Kookuk	Burlington	Unknown	Other	Position is	Wear Observed
23PO357	1-3	None						1			Resharpened	Meat w/bone contact
23PO357	1-4	None						1			Undetermined	Meat w/bone contact
23PO357	1-5	None						1			Undetermined	None
23PO357	1-6	None						1			Undetermined	None
23PO357	1-7	None	1								Undetermined	None
23PO357	1-8	None						3			Undetermined	None
23PO357	2-1	None						2	12		Undetermined	None
23PO357	2-2	None						1			Resharpened	Meat w/bone contact
23PO357	2-3	None						1			Undetermined	None
23PO357	2-4	None						1			Undetermined	Meat w/bone contact
23PO357	2-5	None						1			Resharpened	None
23PO357	2-6	None		1							Undetermined	Meat w/bone contact
23PO359	1-1	None	1					12	17	1	Undetermined	None
23PO359	1-2	None						11			Undetermined	None
23PO359	1-3	None	1					1	4		Undetermined	None
23PO359	1-4	None	1					8			Undetermined	None
23PO359	1-5	None						1			Resharpened	Meat w/o bone contact
23PO359	1-6	None									Undetermined	Meat w/bone contact
23PO359	1-7	None					1				Undetermined	None
23PO359	1-8	None									Undetermined	Meat w/bone contact
23PO359	1-9	None									Resharpened	Meat w/bone contact
23PO359	1-10	None									Undetermined	None
23PO359	1-11	None									Undetermined	Meat w/bone contact
23PO359	1-12	None									Resharpened	Meat w/bone contact
23PO359	1-13	Dart point									Undetermined	None
23PO359	1-14	None									Resharpened	Meat w/o bone contact
23PO359	1-15	None									Exhausted	None
23PO359	1-16	None	1								Initial	None
23PO359	1-17	None									Undetermined	None
23PO359	1-18	None									Exhausted	None
23PO359	1-19	None									Exhausted	None
23PO359	1-20	None									Exhausted	None
23PO359	1-21	None									Undetermined	None
23PO359	1-22	None									Undetermined	Meat w/bone contact
23PO359	1-23	None									Resharpened	Meat w/o bone contact

APPENDIX B

Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Secondary	Jeff. City	Person	Recds Sp	Elsy	Keotuk	Ewingston	Unknown	Other	Position in	Wear Observed
23PO359	1-24	None						1			Undetermined	None
23PO359	1-25	None						1			Undetermined	None
23PO359	1-26	None						1			Undetermined	Meat w/bone contact
23PO359	1-27	None						1			Undetermined	None
23PO359	1-28	None						1			Undetermined	None
23PO359	1-29	None						1			Undetermined	None
23PO359	1-30	None						1			Undetermined	None
23PO359	1-31	None						1			Resharpned	Meat w/o bone contact
23PO360	1-3	None						1			Undetermined	Meat w/bone contact
23PO360	1-4	None			1			5	13		Undetermined	None
23PO360	1-5	None									Undetermined	None
23PO360	1-6	None		1					1		Initial	None
23PO360	1-7	None						1			Undetermined	Meat w/bone contact
23PO360	1-8	None						1			Resharpned	Meat w/bone contact
23PO360	1-9	None						1			Resharpned	Meat w/bone contact
23PO360	1-10	None						1			Undetermined	Meat w/bone contact
23PO360	1-11	None						1			Undetermined	Meat w/bone contact
23PO360	1-12	None						1			Undetermined	Meat w/bone contact
23PO360	1-13	Dart point						1			Undetermined	Meat w/bone contact
23PO360	1-14	None						1			Exhausted	Meat w/bone contact
23PO360	1-15	None						1			Exhausted	None
23PO360	1-16	None						1			Undetermined	None
23PO360	1-17	None						1			Exhausted	None
23PO360	1-18	None						1			Exhausted	None
23PO360	1-19	None						1			Resharpned	None
23PO360	1-20	None						1			Undetermined	None
23PO360	1-21	Knife						1			Undetermined	None
23PO360	1-22	Scraper						1	2	1	Undetermined	None
23PO360	2-1	None						1			Undetermined	Meat w/bone contact
23PO360	2-2	None						2			Undetermined	Meat w/bone contact
23PO360	2-3	None						1			Undetermined	Meat w/bone contact
23PO360	2-4	None						1			Resharpned	Meat w/bone contact
23PO360	2-5	None						1			Resharpned	Meat w/bone contact
23PO360	2-6	None						1			Undetermined	None
23PO361	1-1	None						1			Initial	None
								1			Undetermined	Meat w/bone contact
								1			Undetermined	None
								1			Undetermined	Meat w/bone contact

## APPENDIX B

### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Secondary	Jeff. City	Pierson	Roods Spg	Erwy	Kookuk	Burlington	Unknown	Other	Position in	Wear Observed
23FO361	1-2	None							1		Undetermined	Meat w/bone contact
23FO361	1-3	None						1			Undetermined	None
23FO361	1-4	None						1			Undetermined	None
23FO361	1-5	None	1								Undetermined	None
23FO361	1-6	None						1			Undetermined	None
23FO361	1-7	None						2			Undetermined	Meat w/bone contact
23FO361	1-8	None	1	1				3			Undetermined	None
23FO366	1-1	None						1			Undetermined	Meat w/bone contact
23FO366	1-2	None						1			Resharpened	Meat w/bone contact
23FO366	1-3	None						5	10		Undetermined	None
23FO366	1-4	None	1					6			Undetermined	Meat w/bone contact
23FO366	1-5	None						4			Undetermined	None
23FO366	1-6	None						1			Undetermined	Meat w/bone contact
23FO366	1-7	Dart point						1			Resharpened	Meat w/bone contact
23FO366	1-8	None						1			Undetermined	Meat w/bone contact
23FO366	1-9	None									Resharpened	Meat w/bone contact
23FO366	1-10	None		1				1			Resharpened	Meat w/o bone contact
23FO366	1-11	None									Resharpened	Meat w/o bone contact
23FO366	1-12	None						1			Undetermined	Meat w/bone contact
23FO366	1-13	None						1			Resharpened	Meat w/bone contact
23FO366	1-14	None						1			Exhausted	None
23FO366	1-15	None						1			Undetermined	Meat w/bone contact
23FO366	1-16	None						1			Resharpened	None
23FO366	1-17	None						1			Undetermined	Meat w/bone contact
23FO366	1-18	None	1					1			Resharpened	Meat w/o bone contact
23FO366	1-19	None						1			Undetermined	Meat w/bone contact
23FO366	1-20	None						1			Undetermined	Meat w/o bone contact
23FO366	1-21	None						1			Resharpened	Meat w/o bone contact
23FO366	1-22	None						1			Undetermined	None
23FO366	1-23	None						1			Exhausted	None
23FO366	1-24	None						1			Undetermined	None
23FO366	1-25	None						1			Undetermined	None
23FO366	1-26	None						1			Undetermined	None
23FO366	1-27	None						1			Undetermined	Wood
23FO366	1-28	None		1				1			Initial	None
											Undetermined	None

**APPENDIX B**  
**Stone tools collected by Howard Wimmer**

Site No.	Cat. No.	Secondary	Jeff. City	Perron	Reeds Spr	Elsey	Kookuk	Burlington	Unknown	Other	Position in	Wear Observed
23PO366	1-29	None						1			Undetermined	Meat w/bone contact
23PO366	1-30	None	1					1			Undetermined	None
23PO366	1-31	None						1			Undetermined	None
23PO366	1-32	None						1			Undetermined	None
23PO366	1-34	None						1			Undetermined	None
23PO366	1-35	None						1			Undetermined	None
23PO366	1-36	None						1			Undetermined	None
23PO370	1-1	None						5	19		Undetermined	None
23PO370	1-2	None						1	5	3	Undetermined	Meat w/bone contact
23PO370	1-3	None	1					2	7		Undetermined	Meat w/bone contact
23PO370	1-4	None						1			Resharpened	Meat w/o bone contact
23PO370	1-5	None						1			Resharpened	Meat w/o bone contact
23PO370	1-6	Dirt point						1			Resharpened	Meat w/bone contact
23PO370	1-7	None						1			Resharpened	None
23PO370	1-8	None	1					1			Undetermined	Meat w/bone contact
23PO370	1-9	None						1			Undetermined	Meat w/bone contact
23PO370	1-10	None					1				Undetermined	Meat w/bone contact
23PO370	1-11	None	1					1			Undetermined	Meat w/bone contact
23PO370	1-12	None						1			Undetermined	Wood
23PO370	1-13	None						1			Undetermined	Meat w/bone contact
23PO370	1-14	None						1			Undetermined	None
23PO370	1-15	Blunt						1			Undetermined	None
23PO370	1-16	None						1			Undetermined	Meat w/bone contact
23PO370	1-17	None	1					1			Undetermined	None
23PO370	1-18	None						1		1	Undetermined	Meat w/o bone contact
23PO370	1-19	None						1			Resharpened	Meat w/bone contact
23PO370	1-20	None						1			Resharpened	Meat w/bone contact
23PO370	1-21	None						1			Undetermined	None
23PO370	1-22	None						1			Undetermined	None
23PO370	1-23	None						1			Undetermined	Meat w/bone contact
23PO370	1-24	None						1			Undetermined	Meat w/bone contact
23PO370	1-25	None						1			Exhausted	None
23PO370	1-26	None						1			Resharpened	Meat w/bone contact
23PO370	1-27	None						1			Undetermined	Meat w/bone contact
23PO370	1-28	Knife						1			Initial	Meat w/bone contact

## APPENDIX B

### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Secondary	Jeff. City	Pierson	Reeds Spr	Elsy	Kootuk	Burlington	Jackson	Other	Position in	Wear Observed
23PO370	1-29	None						1			Undetermined	None
23PO370	1-30	None							1		Undetermined	None
23PO370	1-31	None							1		Undetermined	None
23PO370	1-32	None							1		Undetermined	None
23PO370	1-33	None							1		Undetermined	None
23PO370	1-34	None							1		Undetermined	None
23PO370	1-35	None							1		Resharpended	None
23PO370	1-36	None							1		Resharpended	None
23PO370	1-37	None							1		Resharpended	None
23PO370	1-38	None							1		Undetermined	None
23PO370	1-39	None					1				Undetermined	None
23PO370	1-40	None						1			Undetermined	None
23PO370	1-41	None	1								Undetermined	None
23PO370	1-42	None									Undetermined	None
23PO370	1-43	None									Undetermined	None
23PO370	1-44	None									Resharpended	None
23PO370	1-45	None									Undetermined	None
23PO370	1-46	None									Undetermined	None
23PO370	1-47	None						2			Undetermined	None
23PO370	1-48	None						2	2		Undetermined	None
23PO370	1-49	None						1			Undetermined	None
23PO370	1-50	None								1	Undetermined	None
23PO370	1-51	Perforator									Undetermined	Meat w/horse contact
23PO370	1-52	None		1							Undetermined	None
23PO370	1-53	None									Undetermined	None
23PO370	1-54	None						1			Undetermined	None
23PO370	1-55	None	1								Undetermined	None
23PO370	1-56	None	1								Undetermined	None
23PO370	1-57	None									Undetermined	None
23PO370	1-58	None									Undetermined	None
23PO370	1-60	None									Initial	None
23PO370	1-61	None		1							Initial	None
23PO370	1-62	None									Undetermined	Meat w/o horse contact
23PO370	1-63	None									Initial	None
23PO370	1-64	None						1			N/A	None
23PO370	1-64	None									Undetermined	None

## APPENDIX B

### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Secondary	Jeff. City	Pierson	Reeds Spr	Elsey	Kootuk	Burlington	Unknown	Other	Position in	Wear Observed
23PO370	1-85	None						1			Undetermined	None
23PO371	1-1	None							1		Undetermined	None
23PO371	1-2	None		1							Undetermined	None
23PO371	1-3	None							3		Undetermined	None
23PO372	1-1	None		1							Resharpener	Meat w/ bone contact
23PO372	1-2	None									Resharpener	Meat w/ bone contact
23PO372	1-3	None							1		Undetermined	Wood
23PO372	1-4	None							2		Undetermined	None
23PO373	1-1	None	2		1				22		Undetermined	None
23PO373	1-2	None	3					4	8		Undetermined	None
23PO373	1-6	None	1				1		4		Undetermined	Meat w/ bone contact
23PO373	1-9	None								1	Undetermined	Meat w/ bone contact
23PO373	1-10	None									Resharpener	None
23PO373	1-11	None							1		Undetermined	None
23PO373	1-12	None							1		Undetermined	None
23PO373	1-13	None							1		Undetermined	None
23PO373	1-14	None							1		Undetermined	None
23PO373	1-15	None							1		Undetermined	None
23PO373	1-16	None								1	Resharpener	Meat w/ bone contact
23PO373	1-17	None									Exhausted	None
23PO373	1-18	None								1	Undetermined	Meat w/ bone contact
23PO373	1-19	None									Undetermined	None
23PO373	1-20	None	1								Undetermined	None
23PO373	1-21	None								1	Undetermined	Meat w/ bone contact
23PO373	1-22	None	1								Undetermined	None
23PO373	1-23	Scraper									Resharpener	Meat w/ bone contact
23PO373	1-24	None								1	Undetermined	None
23PO373	1-25	None									Undetermined	Meat w/ bone contact
23PO373	1-26	None								1	Undetermined	None
23PO373	1-27	None									Resharpener	Meat w/ bone contact
23PO373	1-28	Dart point	1							1	Undetermined	None
23PO373	1-29	None									Undetermined	None
23PO373	1-30	None								1	Undetermined	None
23PO373	1-31	None								1	Undetermined	None
23PO373	1-32	None								1	Undetermined	None

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Secondary	Jeff. City	Pierces	Reeds Spr	Elsy	Kootuk	Burlington	Unknown	Other	Position is	Wear Observed
23PO373	1-33	None						1			Undetermined	None
23PO373	1-34	None						1			Initial	None
23PO373	1-35	None						1			Initial	None
23PO373	1-36	None						1			Initial	Meat w/boise contact
23PO373	1-37	None						1			Undetermined	None
23PO373	1-38	None						1			Undetermined	None
23PO373	1-39	None						1			Undetermined	None
23PO373	1-40	None						1			Resharpener	Meat w/boise contact
23PO373	1-41	None						1			Undetermined	None
23PO373	1-42	None						1			Initial	None
23PO373	1-43	None						1			Undetermined	Meat w/boise contact
23PO373	1-44	None						1			Undetermined	Meat w/boise contact
23PO373	1-45	None						1			Exhausted	None
23PO373	1-46	None						1			Undetermined	None
23PO373	1-47	None						1			Undetermined	Meat w/boise contact
23PO373	1-48	None						1			Initial	None
23PO373	1-49	None						1			Initial	None
23PO373	1-50	None						1			Initial	None
23PO373	1-51	None						1			Undetermined	None
23PO373	1-52	None						1			Undetermined	None
23PO373	1-53	None						1			Resharpener	None
23PO373	1-54	None						1			Resharpener	None
23PO373	1-55	None						1			Undetermined	None
23PO373	1-56	None						1			Resharpener	None
23PO373	1-57	None						1			Resharpener	None
23PO373	1-58	None						1			Undetermined	None
23PO373	1-59	None						1			Undetermined	None
23PO373	1-60	None						1			Undetermined	None
23PO373	1-61	None						1			Resharpener	None
23PO373	1-62	None						1			Resharpener	None
23PO373	1-63	None						1			Undetermined	None
23PO373	1-64	None						1			Initial	None
23PO373	1-65	None						1			Undetermined	None
23PO373	1-66	None						1			Undetermined	None
23PO373	1-67	None						1			Undetermined	None

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Secondary	Jeff. City	Person	Recds Spc	Esby	Kentuk	Burlington	Unknown	Ober	Posibls in	Wear Observed
23PO373	1-68	None						1			Initial	None
23PO373	1-69	None						1			Initial	None
23PO374	1-1	None							1		Undetermined	None
23PO374	1-2	None						1			Initial	None
23PO374	1-3	None						1			Initial	None
23PO374	1-4	Scraper							1		Undetermined	Meat w/o bone contact
23PO374	1-5	None						1			Initial	None
23PO374	1-6	None	1					1			Undetermined	Meat w/o bone contact
23PO374	1-8	None						1			Undetermined	Meat w/o bone contact
23PO374	1-9	None						1			Resharpened	Meat w/bone contact
23PO374	1-10	None						1			Resharpened	None
23PO374	1-11	None							1		Resharpened	None
23PO374	1-12	None							1		Initial	None
23PO374	1-13	None						1			Undetermined	Bone/matrix
23PO374	1-14	None						1			Resharpened	Meat w/o bone contact
23PO374	1-15	None						1			Resharpened	Meat w/o bone contact
23PO374	1-16	None	1					1			Undetermined	Meat w/o bone contact
23PO374	1-17	None							1		Resharpened	Meat w/o bone contact
23PO375	1-2	None									Undetermined	Meat w/o bone contact
23PO375	1-3	None						1			Resharpened	Meat w/bone contact
23PO375	1-4	None							1		Resharpened	Meat w/o bone contact
23PO375	1-5	Scraper									Undetermined	Meat w/o bone contact
23PO375	1-6	None						1			Undetermined	Meat w/o bone contact
23PO375	1-7	None							1		Exhausted	None
23PO375	1-8	None							1		Undetermined	None
23PO375	1-9	None						1			Resharpened	None
23PO375	1-10	None						1			Undetermined	Meat w/bone contact
23PO375	1-11	None	1					1			Undetermined	Meat w/bone contact
23PO375	1-12	None							1		Initial	None
23PO375	1-13	None							1		Undetermined	None
23PO375	1-15	None							1		Undetermined	None
23PO376	1-1	None						1			Undetermined	Meat w/bone contact
23PO376	1-2	None						1			Undetermined	None
23PO376	1-3	None						1			Undetermined	Meat w/bone contact
23PO376	1-4	None							1		Undetermined	None

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Secondary	Jeff. City	Person	Reeds Spr	Elsey	Keokuk	Burlington	Unknown	Other	Position in	Wear Observed
23PO376	1-5	None							3		Undetermined	None
23PO376	1-6	None	1		1			1			Undetermined	Meat w/bone contact
23PO376	1-7	None						1			Undetermined	None
23PO377	1-1	None	2					10	16		Undetermined	None
23PO377	1-2	None	2					3	15	2	Undetermined	None
23PO377	1-3	None							4		Undetermined	Meat w/bone contact
23PO377	1-4	None							2		Undetermined	None
23PO377	1-6	Digging?	1								Undetermined	Wood
23PO377	1-7	None						1			Undetermined	None
23PO377	1-8	None						1			Undetermined	None
23PO377	1-9	None						1			Undetermined	None
23PO377	1-10	None						1			Undetermined	None
23PO377	1-11	None						1			Undetermined	None
23PO377	1-12	None							1		Undetermined	None
23PO377	1-13	None	1								Intact	None
23PO377	1-14	None						1			Resharpener	Meat w/bone contact
23PO377	1-15	None									Undetermined	Meat w/bone contact
23PO377	1-16	None						1			Resharpener	None
23PO377	1-16	None							1		Resharpener	Meat w/bone contact
23PO377	1-17	Dart point									Undetermined	Meat w/bone contact
23PO377	1-18	None									Undetermined	Meat w/bone contact
23PO377	1-19	Scraper									Undetermined	Meat w/bone contact
23PO377	1-20	None									Undetermined	Meat w/o bone contact
23PO377	1-21	None									Undetermined	Meat w/o bone contact
23PO377	1-22	None									Exhausted	Meat w/bone contact
23PO377	1-23	Dart point	1								Resharpener	Meat w/bone contact
23PO377	1-24	None									Resharpener	Meat w/bone contact
23PO377	1-25	None							1		Resharpener	Meat w/bone contact
23PO377	1-26	Scraper						1			Undetermined	Meat w/bone contact
23PO377	1-27	None							1		Resharpener	Meat w/bone contact
23PO377	1-28	None									Undetermined	None
23PO377	1-29	None							1		Exhausted	None
23PO377	1-30	None									Exhausted	Meat w/bone contact
23PO377	1-31	None						1			Undetermined	None
23PO377	1-32	None	1								Undetermined	None
23PO377	1-33	None	1								Resharpener	Meat w/bone contact
											Exhausted	None

## APPENDIX B

### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Secondary	Jeff. City	Person	Reeds Spr	Elsy	Kootak	Burlington	Unknown	Other	Position In	Wear Observed
23PO377	1-34	None						1			Undetermined	None
23PO377	1-35	None	1								Exhausted	None
23PO377	1-36	None						1			Resharp-ened	Meat w/bone contact
23PO377	1-37	None	1								Undetermined	None
23PO377	1-38	None						1			Resharp-ened	Meat w/bone contact
23PO377	1-39	Dart point							1		Undetermined	Meat w/o bone contact
23PO377	1-40	None						1			Undetermined	None
23PO377	1-41	None						1			Undetermined	None
23PO377	1-42	None						1			Undetermined	None
23PO377	1-43	None						1			Undetermined	None
23PO377	1-44	None			1						Undetermined	None
23PO377	1-47	None						1			Undetermined	None
23PO377	1-48	None	1								Initial	None
23PO377	1-49	None				1					Undetermined	Meat w/bone contact
23PO377	1-50	None	1					3			Undetermined	None
23PO377	1-51	None	1								Resharp-ened	None
23PO377	1-52	None						1			Undetermined	None
23PO377	1-53	None						1			Undetermined	None
23PO377	1-54	None	1								Undetermined	None
23PO378	1-1	None						2	6		Undetermined	None
23PO378	1-2	None						1			Undetermined	None
23PO378	1-3	None						1			Undetermined	None
23PO378	1-4	None						1			Initial	None
23PO378	1-5	None						1			Undetermined	None
23PO379	1-1	None						1			Undetermined	Meat w/bone contact
23PO379	1-2	None						1			Resharp-ened	Meat w/o bone contact
23PO379	1-3	None						1			Undetermined	Meat w/bone contact
23PO379	1-4	None						1			Undetermined	None
23PO379	1-5	None						1			Exhausted	None
23PO380	1-1	None						1			Undetermined	Meat w/bone contact
23PO380	1-2	Dart point						1			Undetermined	None
23PO380	1-3	None	1								Undetermined	Meat w/o bone contact
23PO380	1-4	None						1			Undetermined	None
23PO380	1-5	None						1			Undetermined	None
23PO380	1-6	None	1								Undetermined	Meat w/bone contact

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Secondary	Jeff. City	Pleasant	Roads Site	Elsy	Kootuk	Burlington	Unknown	Other	Position Is	Wear Observed
23PO380	1-7	None						1			Undetermined	Meat w/bone contact
23PO380	1-8	None	1								Undetermined	Meat w/o bone contact
23PO380	1-9	None						1	4		Undetermined	None
23PO380	1-10	None							1		Exhausted	Meat w/bone contact
23PO380	1-11	None							1		Resharpened	Meat w/bone contact
23PO380	1-12	Dist point							1		Resharpened	Meat w/o bone contact
23PO380	1-13	None							1		Exhausted	None
23PO380	1-14	None		1							Initial	None
23PO380	1-15	None									Initial	Wood
23PO380	1-16	None					1				Resharpened	Wood
23PO381	1-1	None									Resharpened	Meat w/bone contact
23PO381	1-2	None	1								Resharpened	Meat w/bone contact
23PO381	1-3	None						1			Exhausted	Meat w/bone contact
23PO381	1-4	None						3	7		Undetermined	Meat w/bone contact
23PO381	1-5	None						5	14		Undetermined	None
23PO381	1-6	None						1	3		Undetermined	Meat w/bone contact
23PO381	1-7	None						1	2		Undetermined	None
23PO381	1-8	None						3	5		Initial	None
23PO381	1-9	None							1		Initial	None
23PO381	1-10	None							1		Initial	Meat w/o bone contact
23PO381	1-11	None							1		Initial	Meat w/bone contact
23PO381	1-12	None							1		Initial	None
23PO381	1-13	None	1								Initial	None
23PO381	1-14	None									Initial	Meat w/bone contact
23PO381	1-15	None							1		Undetermined	Wood
23PO381	1-16	None	1						1		Undetermined	None
23PO381	1-17	None									Undetermined	None
23PO381	1-18	None						1			Resharpened	Meat w/bone contact
23PO381	1-19	None							1		Undetermined	Meat w/bone contact
23PO381	1-20	None						1			Undetermined	Meat w/bone contact
23PO381	1-21	None							1		Resharpened	Meat w/bone contact
23PO381	1-22	None							1		Undetermined	None
23PO381	1-23	None							1		Undetermined	Meat w/bone contact
23PO381	1-24	None						1			Resharpened	Meat w/bone contact
23PO381	1-25	None							1		Exhausted	Meat w/bone contact

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Secondary	Jeff. City	Person	Roads Spr	Elser	Kootuk	Burlington	Unknown	Other	Position Is	Wear Observed
23PO381	1-26	None	1								Undetermined	Meat w/o bone contact
23PO381	1-27	None		1							Exhausted	Meat w/o bone contact
23PO381	1-28	None						1			Undetermined	None
23PO381	1-29	None						1			Undetermined	None
23PO381	1-30	None						1			Undetermined	None
23PO381	1-31	None						1			Undetermined	Meat w/bone contact
23PO381	1-32	None						1			Undetermined	Meat w/bone contact
23PO381	1-33	None						1			Undetermined	Meat w/bone contact
23PO381	1-34	None						1			Undetermined	Meat w/bone contact
23PO381	1-35	None						1			Undetermined	Meat w/bone contact
23PO381	1-36	None		1							Undetermined	Meat w/bone contact
23PO381	1-37	None						1			Undetermined	None
23PO381	1-38	None		1							Undetermined	None
23PO381	1-39	None						1			Undetermined	None
23PO381	1-40	None						1			Undetermined	None
23PO381	1-41	None						1			Undetermined	N-ac
23PO381	1-42	None		1							Undetermined	None
23PO381	1-43	None						1			Undetermined	None
23PO381	1-44	None						1			Undetermined	None
23PO381	1-45	None						1			Resharpned	None
23PO381	1-46	None						1			Undetermined	None
23PO381	1-47	None						1			Undetermined	None
23PO381	1-48	None						1			Resharpned	None
23PO381	1-49	None						1			Undetermined	None
23PO381	1-50	None						1			Resharpned	None
23PO381	1-51	None		1							Undetermined	N/ac
23PO381	1-52	None		1							Resharpned	None
23PO381	1-53	None									Undetermined	None
23PO381	1-54	None								1	Undetermined	None
23PO381	1-54	None									Resharpned	None
23PO382	1-1	Dart Point			1						Undetermined	Meat w/o bone contact
23PO382	1-2	None						1	3		Undetermined	Meat w/bone contact
23PO382	1-3	None						1			Undetermined	None
23PO382	1-4	None						1			Initial	None
23PO382	1-5	None						1			Undetermined	Wood
23PO382	1-6	Scraper						1			Initial	Meat w/o bone contact

## APPENDIX B

### Stone tools collected by Howard Wimmer

Site No.	Cal No.	Secondary	Jeff. City	Perry	Sards Spr	Ethey	Kookak	Burlington	Unknown	Other	Position in	Wear Observed
23PO382	1-7	Dart Point						1			Resharpened	Meat w/bone contact
23PO382	1-8	None						1			Exhausted	None
23PO382	1-9	None						1			Undetermined	Meat w/bone contact
23PO383	1-1	None						6	55		Undetermined	None
23PO383	1-2	None						5	7		Undetermined	None
23PO383	1-3	None						4	6	1	Undetermined	Meat w/bone contact
23PO383	1-4	None						1			Undetermined	None
23PO383	1-5	None	1								Undetermined	Meat w/bone contact
23PO383	1-6	None	1								Resharpened	None
23PO383	1-7	None				1					Undetermined	Meat w/o bone contact
23PO383	1-8	None	1								Undetermined	Meat w/bone contact
23PO383	1-9	None						1			Undetermined	None
23PO383	1-10	None						1			Undetermined	None
23PO383	1-11	None	1								Undetermined	None
23PO383	1-12	None	1								Undetermined	None
23PO383	1-13	None	1								Undetermined	None
23PO383	1-14	None									Exhausted	Meat w/bone contact
23PO383	1-15	None								1	Undetermined	None
23PO383	1-16	Knife								1	Undetermined	None
23PO383	1-17	Knife	1								Undetermined	Meat w/bone contact
23PO383	1-18	None	1								Undetermined	None
23PO383	1-19	None	1								Undetermined	Meat w/bone contact
23PO383	1-20	None	1								Undetermined	Meat w/o bone contact
23PO383	1-21	None	1								Resharpened	Meat w/o bone contact
23PO383	1-22	None	1							1	Undetermined	None
23PO383	1-23	Dart Point	1								Resharpened	Meat w/bone contact
23PO383	1-24	None									Resharpened	Meat w/o bone contact
23PO383	1-25	None	1								Resharpened	None
23PO383	1-26	None	1								Resharpened	Meat w/bone contact
23PO383	1-27	None									Resharpened	Meat w/o bone contact
23PO383	1-28	None						1			Exhausted	None
23PO383	1-29	None								1	Exhausted	None
23PO383	1-30	None								1	Undetermined	None
23PO383	1-31	None	1								Undetermined	None
23PO383	1-32	None								1	Undetermined	None

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Secondary	Jeff. City	Pierson	Reeds Spr	Esrey	Keotuk	Burlington	Unknown	Other	Position is	Wear Observed
23PO383	1-33	None	1								Undetermined	None
?	PO383	None						1			Resharpener	Meat w/bone contact
23PO383	1-34	None									Exhausted	None
23PO383	1-35	Knife						1			Exhausted	None
23PO383	1-36	None									Exhausted	None
23PO383	1-37	None	1								Resharpener	None
23PO383	1-38	None									Undetermined	Meat w/bone contact
23PO383	1-39	Scraper	1								Undetermined	None
23PO383	1-40	None						1			Resharpener	Meat w/o bone contact
23PO383	1-41	None									Undetermined	None
23PO383	1-42	None						1			Undetermined	Meat w/o bone contact
23PO383	1-43	None									Undetermined	None
23PO383	1-44	None									Undetermined	Meat w/bone contact
23PO383	1-45	None						1			Initial	None
23PO383	1-46	None	1								Initial	None
23PO383	1-47	None						1			Initial	None
23PO383	1-48	None									Initial	None
23PO383	1-49	None									Undetermined	None
23PO384	1-1	None						1			Undetermined	Meat w/bone contact
23PO384	1-2	None	1								Exhausted	Meat w/bone contact
23PO384	1-3	None	1								Undetermined	Meat w/bone contact
23PO384	1-4	None									Undetermined	Meat w/bone contact
23PO385	1-1	Scraper									Resharpener	None
23PO385	1-2	None									Undetermined	Meat w/bone contact
23PO385	1-3	None									Undetermined	None
23PO385	1-4	None						1			Initial	None
23PO385	1-5	None	1								Undetermined	None
23PO385	1-6	None									Initial	None
23PO386	1-1	None									Resharpener	Meat w/bone contact
23PO386	1-2	Dart Point	1								Undetermined	Meat w/o bone contact
23PO386	1-3	None	1								Undetermined	None
23PO386	1-5	None	2								Undetermined	Meat w/o bone contact
23PO386	1-6	None	1								Initial	None
23PO387	1-1	None	1								Undetermined	None
23PO387	1-2	None	1								Initial	None
23PO387	1-4	None								1	Undetermined	Meat w/bone contact

**APPENDIX B**  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Secondary	Jeff. City	Plemon	Reeds Spr	Fissy	Koorkuk	Burlington	Unknown	Other	Position in	Wear Observed
23PO388	1-1	None	4			1		2	3	1	Undetermined	None
23PO388	1-2	None	2					1			Initial	None
23PO388	1-3	None						1			Resharpens	Meat w/bone contact
23PO388	1-4	None	3								Initial	None
23PO388	1-5	None						1			Resharpens	None
23PO388	1-6	None							4		Undetermined	Meat w/o bone contact
23PO388	1-7	None						1			Undetermined	None
23PO388	1-8	None							1		Exhausted	None
23PO388	1-9	None		1							Exhausted	Meat w/o bone contact
23PO388	1-10	None	1								Undetermined	None
23PO388	1-11	None	1								Resharpens	None
23PO388	1-12	None	1						1		Resharpens	Meat w/bone contact
23PO388	1-13	None	1								Initial	None
23PO388	1-14	None	1								Undetermined	None
23PO388	1-15	None	1						1		Undetermined	None
23PO389	1-1	None							1		Resharpens	Meat w/bone contact
23PO389	1-2	None							1		Undetermined	Meat w/bone contact
23PO389	1-3	None	1								Resharpens	Meat w/bone contact
23PO389	1-4	None									Resharpens	Meat w/bone contact
23PO389	1-5	None						1			Undetermined	None
23PO389	1-6	None	1								Exhausted	None
23PO389	1-7	None	1					1			Initial	Meat w/bone contact
23PO390	1-1	None	1								Undetermined	Meat w/bone contact
23PO390	1-2	None						1	3		Initial	None
23PO390	1-3	None							1		Undetermined	Meat w/bone contact
23PO391	1-1	None									Initial	None
23PO391	1-2	None							2	2	Initial	None
23PO391	1-3	None						1			Initial	Meat w/o bone contact
23PO391	1-4	None									Initial	None
23PO391	1-5	None		1							Undetermined	None
23PO391	1-6	None		1					2		Undetermined	None
23PO391	1-7	None						1			Undetermined	None
23PO394	1-5	None	5		1				6	1	Initial	None
23PO394	1-6	None						1			Initial	None
23PO394	1-7	None							1		Unknown	Wood

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Secondary	Jeff. City	Pierson	Reeds Sp	Elsy	Kootuk	Burlington	Unknown	Other	Position in	Wear Observed
23PO394	1-8	None	1								Unknown	Wood
23PO394	1-9	None					1				Resharpended	None
23PO394	1-10	None		1							Unknown	None
23PO394	1-11	None	5					2	6	2	Unknown	Meat w/bone contact
23PO394	1-12	None	4					3	6	1	Unknown	Meat w/bone contact
23PO394	1-13	None						1			Resharpended	Meat w/o bone contact
23PO394	1-14	None						2	1		Unknown	None
23PO394	1-15	None						1			Initial	None
23PO394	1-16	None						1			Initial	None
23PO394	1-17	None									Unknown	None
23PO394	1-18	Scraper									Unknown	None
23PO394	1-19	None									rs	Meat w/bone contact
23PO394	1-20	Scraper						1			Resharpended	Meat w/bone contact
23PO394	1-21	None	1								Unknown	Bone/antler
23PO394	1-22	None									Unknown	Meat w/bone contact
23PO394	1-23	None	1					1			Resharpended	Meat w/bone contact
23PO394	1-24	None						1			Undetermined	None
23PO394	1-25	Scraper						1			Initial	Meat w/bone contact
23PO394	1-26	None						1			Resharpended	Bone/antler
23PO394	1-27	None						1			Resharpended	Meat w/bone contact
23PO394	1-28	None						1			Unknown	Meat w/bone contact
23PO394	1-29	None						1			Unknown	None
23PO394	1-30	None						1			Initial	Meat w/o bone contact
23PO394	1-31	None	1								Unknown	Meat w/o bone contact
23PO394	1-32	Knife									Unknown	Meat w/o bone contact
23PO394	1-33	Knife									Unknown	Meat w/o bone contact
23PO394	1-34	None						1			Unknown	Meat w/o bone contact
23PO394	1-35	None						1			Resharpended	Meat w/bone contact
23PO394	1-36	None						1			Initial	None
23PO394	1-37	None						1			Initial	Meat w/o bone contact
23PO394	1-38	None						1			Resharpended	Meat w/bone contact
23PO394	1-39	None	1								Exhausted	None
23PO394	1-40	None									Unknown	Meat w/bone contact
23PO394	1-41	None						1			Unknown	None
23PO394	1-42	Dart Point						1			Exhausted	Meat w/bone contact

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Secondary	Jeff. City	Piersons	Reeds Spr	Elsy	Kootuk	Burlington	Unknown	Other	Position in	Wear Observed
23PO394	1-43	None						1			Advanced	Meat w/o bone contact
23PO394	1-44	None		1							Initial	None
23PO394	1-45	Knife						1			Unknown	Meat w/o bone contact
23PO394	1-46	None									Initial	None
23PO394	1-47	None	1								Unknown	None
23PO394	1-48	None	1								Unknown	None
23PO394	1-49	None	1								Unknown	None
23PO394	1-50	None			1						Unknown	None
23PO394	1-51	None			1						Unknown	None
23PO394	1-52	None							1		Unknown	None
23PO394	1-53	None	1								Unknown	None
23PO394	1-54	None						1			Unknown	None
23PO394	1-55	None	1								Unknown	None
23PO394	1-56	None	1								Unknown	None
23PO394	1-57	None	1								Unknown	Meat w/bone contact
23PO395	1-2	None						1			Unknown	Meat w/o bone contact
23PO395	1-3	None	1					4	2		Unknown	None
23PO395	1-4	None	6					1	1		Unknown	Meat w/bone contact
23PO395	1-5	None	2						3		Unknown	Meat w/bone contact
23PO395	1-6	None						1			Unknown	Bone/antler
23PO395	1-7	None						1			Initial	None
23PO395	1-8	None						1			Unknown	None
23PO395	1-9	None						1			Unknown	Meat w/bone contact
23PO395	1-10	Knife	1								Advanced	Meat w/bone contact
23PO395	1-11	None	1								Re-sharpened	Meat w/bone contact
23PO395	1-12	None									Unknown	Bone/antler
23PO395	1-13	None							1		Unknown	None
23PO395	1-14	None									Advanced	Meat w/bone contact
23PO395	1-15	None	1								Unknown	None
23PO395	1-16	None	1								Initial	None
23PO395	1-17	None							1		Exhausted	None
23PO395	1-18	None									Advanced	Meat w/bone contact
23PO396	1-1	None									Unknown	None
23PO396	1-2	None	1	2							Initial	None
23PO396	1-3	None	1								Unknown	Meat w/o bone contact

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Secondary	Jeff. City	Person	Reeds Spr	Eley	Kootuk	Burlington	Unknown	Other	Positions in	Wear Observed
23PO397	1-1	None						1			Unknown	Meat w/bone contact
23PO397	1-2	None							1		Unknown	None
23PO397	1-3	None						2			Initial	None
23PO397	1-4	None						1			Unknown	Meat w/bone contact
23PO410	1-1	None		1							Unknown	Meat w/o bone contact
23PO410	1-2	None						1			Initial	None
23PO411	1-1	None						1			Initial	None
23PO411	1-2	None		1							Initial	None
23PO412	1-1	None						1			N/A	Meat w/o bone contact
23PO412	1-2	None						1			Resharpended	Meat w/bone contact
23PO412	1-3	Knife						1			Exhausted	Meat w/bone contact
23PO412	1-4	Knife						1			Unknown	Meat w/o bone contact
23PO412	1-5	None							1		Unknown	None
23PO412	1-6	None	1								Unknown	None
23PO412	1-7	None	1								Unknown	None
23PO412	1-8	None	1								Unknown	None
23PO412	1-9	None	1								Unknown	Meat w/o bone contact
23PO415	1-1	None						1			1 Unknown	Meat w/o bone contact
23PO415	1-2	None						1			Initial	Meat w/o bone contact
23PO415	1-3	None							2		Unknown	None
23PO415	1-4	None							3		Unknown	Meat w/bone contact
23PO415	1-5	None						1			Unknown	None
23PO415	1-6	None						1			Initial	None
23PO416	1-1	None							1		Unknown	None
23PO416	1-2	None	2						3		Unknown	Meat w/bone contact
23PO416	1-3	None									Resharpended	None
23PO416	1-4	None	1								Unknown	None
23PO416	1-5	None						1			Unknown	None
23PO416	1-6	None							1		Unknown	None
23PO416	1-7	None	1								Unknown	Meat w/bone contact
23PO416	1-8	None						1			Unknown	None
23PO416	1-9	None							1		Unknown	Meat w/bone contact
23PO416	1-10	None							1		Unknown	None
23PO417	1-1	None							1		Initial	Meat w/bone contact
23PO417	1-2	None	1								Unknown	Meat w/bone contact

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Secondary	Jeff. City	Pikerson	Reeds Spr	Elsy	Kootuk	Burlington	Unknown	Other	Position In	Wear Observed
23PO417	1-3	None	1								Initial	None
23PO417	1-4	None					1				Initial	None
23PO417	1-5	None						1			Unknown	None
23PO418	1-1	None		1							Resharpned	Meat w/bone contact
23PO418	1-2	None	1								Unknown	None
23PO418	1-3	None		1							Resharpned	Meat w/bone contact
23PO418	1-4	None	1								Unknown	Meat w/bone contact
23PO418	1-5	None			1						Exhausted	None
23PO418	1-6	None					2				Initial	None
23PO418	1-7	None					1	2			N/A	Meat w/bone contact
23PO419	1-2	None						1			Initial	None
23PO419	1-3	None	3								Unknown	Meat w/o bone contact
23PO419	1-4	None					1	1			Initial	None
23PO419	1-5	None					1				Unknown	None
23PO419	1-6	None					1				Unknown	Meat w/bone contact
23PO419	1-7	None					1	1			Unknown	Meat w/bone contact
23PO420	1-2	Scraper					1				Early	Meat w/bone contact
23PO420	1-3	None	1								Unknown	Meat w/bone contact
23PO420	1-4	None					1				Unknown	Meat w/bone contact
23PO420	1-5	None						1			Unknown	Meat w/o bone contact
23PO420	1-6	None					1				Unknown	Meat w/bone contact
23PO420	1-7	None	1				3	2			Initial	None
23PO420	1-8	Knife									Unknown	Meat w/o bone contact
23PO420	1-9	None	1					1			Unknown	Meat w/bone contact
23PO420	1-10	None									Initial	None
23PO420	1-11	None					1				Unknown	Meat w/o bone contact
23PO420	1-12	None									Unknown	Meat w/bone contact
23PO421	1-1	None	1								Resharpned	None
23PO421	1-2	None						1			Unknown	Meat w/bone contact
23PO421	1-3	None	2								Unknown	Meat w/o bone contact
23PO421	1-4	None		1							Initial	Meat w/bone contact
23PO422	1-1	None									N/A	None
23PO422	1-3	Drill point	1								Resharpned	Meat w/bone contact
23PO422	1-4	None	1	1				2			Initial	None
23PO422	1-5	None	2					4	3	1	N/A	Meat w/bone contact

**APPENDIX B**  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Secondary	Jeff. City	Pierson	Reeds Spr	Elsey	Kozokuk	Burrington	Unknown	Other	Position in	Wear Observed
23PO422	1-6	Dart point							1		Exhausted	Meat w/boise contact
23PO422	1-7	None						1			Unknown	Meat w/boise contact
23PO422	1-8	None						1			Resharpener	Meat w/o boise contact
23PO422	1-9	Dart point			1						Exhausted	Meat w/boise contact
23PO422	1-10	None			1						Unknown	Meat w/boise contact
23PO422	1-11	None						1			Unknown	Meat w/boise contact
23PO422	1-12	None		1				2			Unknown	Meat w/boise contact
23PO422	1-13	None		1							Unknown	Meat w/o boise contact
23PO422	1-14	None		1							Unknown	None
23PO422	1-15	None		1							Unknown	None
23PO422	1-16	None					1				Initial	Meat w/o boise contact
23PO422	1-17	None					1				Initial	None
23PO422	1-18	None						1			Initial	Meat w/o boise contact
23PO422	1-19	None					1				Initial	None
23PO422	1-20	None		1							Initial	Meat w/o boise contact
23PO422	1-21	None		1							Initial	None
23PO422	1-22	None		1							Initial	None
23PO422	1-23	None							1		Initial	None
23PO422	1-24	None							1		Unknown	None
23PO422	1-25	None									Unknown	None
23PO422	1-26	None		1							Unknown	None
23PO422	1-27	None									Unknown	None
23PO422	1-28	None									Unknown	None
23PO422	1-29	None									Unknown	None
23PO422	1-30	None							1		Unknown	None
23PO422	1-31	None									Unknown	None
23PO422	1-32	None									Unknown	None
23PO422	1-1	None									Exhausted	None
23PO423	1-1	None									Resharpener	Meat w/o boise contact
23PO423	1-2	None							1		Unknown	None
23PO423	1-4	None									Resharpener	Bone/antler
23PO423	1-5	None							3		Unknown	Meat w/boise contact
23PO423	1-6	None							1		Unknown	Meat w/boise contact
23PO423	1-7	Engraving							1		Unknown	Meat w/o boise contact
23PO423	1-8	None							1		Initial	None
23PO423	1-9	None									Initial	None

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Secondary	Jeff. City	Person	Reeds Spr	Elsy	Kootuk	Burlington	Unknown	Other	Position In	Wear Observed
23PO424	1-1	None	1								Resharpener	Meat w/o bone contact
23PO424	1-2	None		1							Exhausted	None
23PO424	1-3	Scraper						1			Exhausted	Meat w/o bone contact
23PO424	1-4	None							1		Exhausted	None
23PO424	1-5	None							1		Unknown	Meat w/bone contact
23PO424	1-6	None							1		Unknown	Bone/antler
23PO425	1-1	None	1								Exhausted	None
23PO425	1-2	None	1								Initial	None
23PO425	1-3	None							1		Initial	None
23PO430	1-1	None			1						Initial	Meat w/o bone contact
23PO430	1-2	None								1	Resharpener	Bone/antler
23PO433	1-1	None	1								Unknown	None
23PO433	1-2	None	2								Unknown	None
23PO434	1-1	None								1	Unknown	Meat w/bone contact
23PO435	1-1	None								1	Exhausted	Meat w/bone contact
23PO435	1-2	None	1							2	Unknown	Meat w/bone contact
23PO435	1-3	None								1	Initial	None
23PO435	1-4	None								1	Initial	None
23PO440	1-1	Knife								1	Unknown	Meat w/bone contact
23PO443	1-2	None								1	Resharpener	Bone/antler
23PO443	1-3	None								1	Initial	None
23PO443	1-4	Scraper	1								Initial	Meat w/o bone contact
23PO443	1-5	None								1	Initial	None
23PO446	1-1	None								1	Initial	None
23PO446	1-2	None								1	Exhausted	None
23PO446	1-3	None								1	Unknown	None
23PO451	1-1	None								1	Initial	None
23PO451	1-2	None	1								Initial	None
23PO451	1-3	None								1	Unknown	Meat w/o bone contact
23PO451	1-3	None								1	Unknown	None





APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	None	None	None	None	None	W(g)	Overall Size	Stem Size	Morphological Attributes	Missing	None	Corner	Expanding
23DA366	1-21	None	None	None	None	None	3.3	2.3	2.4	0.4	0.6	1.7	Missing	Expanding
23DA366	1-22	None	None	None	None	None	11.7	0.0	0.0	0.0	0.0	0.0	Missing	Missing
23DA366	1-23	None	None	None	None	None	16.0	0.0	0.0	0.0	0.0	0.0	Missing	Missing
23DA366	1-24	None	None	None	None	None	8.7	4.0	3.7	0.6	0.0	0.0	Excavate	Expanding
23DA366	1-25	None	None	None	None	None	12.4	4.3	3.4	0.9	2.3	3.1	Missing	Expanding
23DA366	1-26	None	None	None	None	None	1.9	1.6	1.9	0.5	0.5	1.5	Missing	Expanding
23DA366	1-27	None	None	None	None	None	6.3	2.1	2.7	0.8	1.3	2.3	Missing	Contracting
23DA366	1-28	None	None	None	None	None	7.5	3.0	4.0	0.6	0.0	0.0	Excavate	Missing
23DA366	1-29	None	None	None	None	None	4.4	3.6	2.0	0.6	0.0	0.0	Excavate	Mississippi
23DA366	1-30	None	None	None	None	None	8.7	4.6	2.3	0.6	0.0	0.0	Excavate	Missing
23DA366	1-31	None	None	None	None	None	5.9	2.3	3.5	0.6	0.0	0.0	Excavate	Missing
23DA366	1-32	None	None	None	None	None	91.5	9.7	4.9	2.5	0.0	0.0	Excavate	Unstemmed
23DA366	1-33	None	None	None	None	None	66.4	6.6	4.8	1.8	0.0	0.0	Excavate	Unstemmed
23DA366	1-34	None	None	None	None	None	17.9	5.8	3.6	0.7	0.0	0.0	Excavate	Unstemmed
23DA366	1-35	None	None	None	None	None	31.6	5.5	4.5	1.3	0.0	0.0	Excavate	Unstemmed
23DA366	1-36	None	None	None	None	None	5.3	3.6	2.3	0.5	0.0	0.0	Excavate	Unstemmed
23DA366	1-37	None	None	None	None	None	26.1	4.1	5.7	0.6	0.0	0.0	Missing	Unstemmed
23DA366	1-38	None	None	None	None	None	22.9	5.1	4.8	0.9	0.0	0.0	Missing	Unstemmed
23DA366	1-39	None	None	None	None	None	27.0	4.0	4.5	1.1	0.0	0.0	Missing	Unstemmed
23DA366	1-40	None	None	None	None	None	28.2	4.7	4.7	1.0	0.0	0.0	Excavate	Unstemmed
23DA366	1-42	None	None	None	None	None	829.5	0.0	0.0	0.0	0.0	0.0	N/A	N/A
23DA366	1-43	None	None	None	None	None	2.8	1.7	2.6	0.5	0.5	1.8	Missing	Expanding
23DA366	1-44	None	None	None	None	None	2.2	2.8	2.0	0.3	0.5	1.0	Excavate	Expanding
23DA366	1-45	None	None	None	None	None	18.5	6.4	3.2	0.9	1.2	2.4	Excavate	Parallel
23DA366	1-46	None	None	None	None	None	33.7	4.6	5.7	0.9	0.0	0.0	Missing	Unstemmed
23DA366	1-47	None	None	None	None	None	6.0	3.7	2.2	0.7	0.0	0.0	Straight	Missing
23DA366	1-48	None	None	None	None	None	7.6	2.5	4.1	0.8	0.0	0.0	Excavate	Missing
23DA366	1-49	None	None	None	None	None	111.1	0.0	0.0	0.0	0.0	0.0	N/A	N/A
23DA367	1-1	None	None	None	None	None	3.7	3.5	1.9	0.6	0.7	1.3	Straight	Expanding
23DA367	1-2	None	None	None	None	None	8.8	3.4	2.7	0.8	1.4	2.2	Straight	Parallel
23DA367	1-3	None	None	None	None	None	12.3	4.1	3.8	0.9	0.0	0.0	Excavate	Missing
23DA367	1-4	None	None	None	None	None	95.2	0.0	0.0	0.0	0.0	0.0	Missing	Unstemmed
23DA368	1-1	None	None	None	None	None	13.3	3.9	4.2	0.7	1.3	2.7	Excavate	Expanding
23DA368	1-2	None	None	None	None	None	18.3	4.4	3.7	0.8	1.4	2.8	Straight	Expanding
23DA368	1-3	None	None	None	None	None	10.0	3.4	2.8	0.8	0.7	0.8	Straight	Parallel

## APPENDIX B

### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Wt(g)	Overall Size	Stem Size	Morphological Attributes			Side	Expanding			
					None	Strait	Square					
23DA368	1-4	10.0	3.9	3.2	0.7	1.2	3.0	Missing	Straight	Square	Corner	Expanding
23DA368	1-5	4.6	2.4	2.7	0.6	1.1	1.9	Missing	Straight	Barbed	Corner	Expanding
23DA368	1-6	8.2	3.4	2.4	0.7	1.1	2.4	Missing	Missing	Missing	Corner	Expanding
23DA368	1-7	7.5	2.7	2.8	0.9	1.6	2.8	Missing	Missing	Square	Corner	Expanding
23DA368	1-8	7.8	2.6	3.1	0.7	1.5	3.0	Missing	Missing	Barbed	Corner	Expanding
23DA368	1-9	9.6	3.2	3.3	0.7	1.4	2.4	Missing	Straight	Missing	Corner removed	Parallel
23DA368	1-10	3.9	1.8	2.3	0.7	1.3	1.8	Missing	Missing	Square	N/A	Parallel
23DA368	1-11	3.2	2.0	2.3	0.6	1.1	1.7	Missing	Missing	Square	Corner removed	Expanding
23DA368	1-12	21.2	5.0	3.6	0.9	0.0	1.9	Missing	Excavate	Square	Corner removed	Missing
23DA368	1-13	4.8	3.1	2.1	0.9	2.0	0.0	Missing	Missing	Barbed	Corner	Expanding
23DA368	1-14	5.6	2.9	2.4	0.7	0.0	0.0	Missing	Straight	None	Unnotched	Unstemmed
23DA368	1-15	3.1	2.9	1.2	0.6	0.0	0.0	Missing	Straight	None	N/A	Missing
23DA368	1-16	12.1	5.0	2.8	0.8	0.0	0.0	Damaged	Excavate	Missing	Missing	Missing
23DA368	1-17	14.6	4.1	3.9	0.7	0.0	0.0	Rounded	Excavate	Missing	Unknown	Missing
23DA368	1-18	11.5	4.8	2.8	0.8	0.0	0.0	Pointed	Excavate	None	Unnotched	Unstemmed
23DA368	1-19	7.4	4.6	2.7	0.7	0.0	0.0	Pointed	Excavate	Missing	Missing	Missing
23DA368	1-20	4.9	3.2	3.2	0.7	0.0	0.0	Pointed	Excavate	Missing	Unknown	Missing
23DA368	1-21	4.3	2.8	3.4	0.5	0.0	0.0	Pointed	Excavate	Missing	Unknown	Missing
23DA368	1-22	4.5	2.5	3.0	0.7	0.0	0.0	Pointed	Excavate	Missing	Missing	Missing
23DA368	1-23	11.4	7.0	2.0	0.7	0.0	0.0	N/A	N/A	N/A	N/A	N/A
23DA368	1-24	226.4	0.0	0.0	0.0	0.0	0.0	N/A	N/A	N/A	N/A	N/A
23DA368	1-25	24.3	5.4	4.2	0.9	1.5	2.3	Missing	Damaged	Barbed	Corner removed	Parallel
23DA368	1-26	6.5	3.8	2.6	0.7	1.1	1.8	Missing	Damaged	Square	Corner removed	Expanding
23DA368	1-27	12.6	6.3	3.0	0.6	0.0	0.0	Missing	Damaged	Missing	Unnotched	Contracting
23DA368	1-28	7.6	5.0	2.3	0.7	0.0	0.0	Missing	Damaged	Missing	Unnotched	Missing
23DA368	1-29	16.3	5.5	33.6	0.8	0.0	0.0	Pointed	Excavate	None	Unnotched	Missing
23DA368	1-30	17.4	3.3	4.2	1.0	0.0	0.0	Missing	Damaged	None	Unnotched	Unstemmed
23DA368	1-31	1.6	3.5	1.0	0.5	0.0	0.0	Pointed	Straight	None	Unnotched	Unstemmed
23DA369	1-1	14.2	4.2	3.0	0.9	1.4	2.7	Missing	Excavate	Sloping	Side	Expanding
23DA369	1-2	5.1	2.8	2.6	0.5	1.1	2.4	Missing	Straight	Missing	Unknown	Expanding
23DA369	1-3	4.8	2.6	2.1	0.6	1.0	2.1	Missing	Straight	Square	Corner	Expanding
23DA369	1-4	0.8	1.5	1.0	0.4	0.5	0.9	Missing	Straight	Barbed	Corner	Expanding
23DA369	1-5	1.7	2.2	1.3	0.4	0.0	0.0	Missing	Missing	None	Unnotched	Unstemmed
23DA369	1-6	4.7	2.8	2.3	0.6	0.0	0.0	N/A	N/A	N/A	N/A	N/A
23DA369	1-7	0.9	2.6	1.1	0.3	0.5	0.9	Pointed	Incurvate	Square	Side	Expanding



## APPENDIX B

### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	W(g)	Overall Size	Stem Size	Morphological Attributes	None	Unnotched	Unstemmed	
23DA371	1-21	197.4	0.0	0.0	0.0	Missing	Unnotched	Unstemmed	
23DA371	1-22	24.0	3.5	5.4	0.9	0.0	Missing	Unstemmed	
23DA371	1-23	20.8	3.7	5.0	1.2	0.0	Missing	Unstemmed	
23DA371	1-24	21.0	4.4	3.9	1.2	0.0	Missing	Unstemmed	
23DA371	1-25	11.9	2.9	3.9	1.0	0.0	Rounded	Unstemmed	
23DA371	1-26	15.5	4.0	3.0	1.2	0.0	Missing	Unstemmed	
23DA371	1-27	29.3	4.1	4.1	1.5	0.0	Missing	Unstemmed	
23DA371	1-29	23.2	4.8	4.9	0.9	1.4	3.0	Missing	Expanding
23DA371	1-30	13.6	3.9	4.4	0.8	1.6	3.2	Missing	Expanding
23DA371	1-31	16.9	3.5	4.5	1.0	1.5	3.4	Missing	Expanding
23DA371	1-32	22.2	4.0	5.7	1.0	1.4	3.3	Missing	Expanding
23DA371	1-33	9.4	3.1	4.4	0.7	1.4	2.7	Missing	Expanding
23DA371	1-34	12.6	4.1	3.8	0.7	1.2	2.9	Missing	Expanding
23DA371	1-35	1227.5	0.0	0.0	0.0	0.0	0.0	Missing	Unstemmed
23DA371	1-36	405.1	0.0	0.0	0.0	0.0	0.0	Missing	Unstemmed
23DA371	1-37	60.3	7.3	6.0	1.6	0.0	0.0	Pointed	Unstemmed
23DA371	1-38	86.8	9.3	4.8	2.2	0.0	0.0	Rounded	Unstemmed
23DA371	1-40	91.8	0.0	0.0	0.0	0.0	0.0	Missing	Missing
23DA371	1-41	6.8	0.0	0.0	0.0	0.0	0.0	Missing	Contracting
23DA371	1-42	22.7	4.2	5.2	1.0	0.0	0.0	Broad	Missing
23DA371	1-43	15.5	3.4	4.7	1.0	0.0	0.0	Broad	Missing
23DA371	1-44	11.7	3.7	3.5	0.9	1.3	2.5	Missing	Missing
23DA371	1-45	7.6	2.0	3.8	0.7	1.3	2.7	Missing	Expanding
23DA371	1-46	12.4	3.7	3.9	0.9	1.2	2.4	Missing	Expanding
23DA371	1-47	5.1	2.9	3.3	0.7	1.2	2.3	Missing	Expanding
23DA371	1-48	6.4	2.5	3.0	0.7	1.3	2.5	Missing	Expanding
23DA371	1-49	9.1	3.8	2.6	0.8	3.3	2.2	Missing	Expanding
23DA371	1-50	12.7	3.7	4.0	0.8	1.2	2.6	Missing	Expanding
23DA371	1-51	10.7	5.9	2.6	0.6	2.0	2.2	Missing	Contracting
23DA371	1-52	6.6	3.4	2.8	0.6	1.7	2.0	Missing	Contracting
23DA371	1-53	6.9	2.9	4.0	0.7	2.0	2.0	Missing	Contracting
23DA371	1-54	7.2	4.0	3.2	0.6	1.8	2.0	Missing	Contracting
23DA371	1-55	8.0	4.1	3.3	0.7	1.5	2.3	Missing	Contracting
23DA371	1-56	12.3	4.4	3.7	0.7	1.5	2.4	Missing	Contracting
23DA371	1-57	11.2	4.5	4.0	0.7	2.2	2.9	Missing	Contracting





## APPENDIX B

### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	W(g)	Overall Size	Stem Size	Morphological Attributes	Unnotched	Unstemmed
23DA371	1-12	175.5	0.0 0.0 0.0	0.0 0.0 0.0	Missing	None	Unstemmed
23DA371	1-12	9.3	4.1 2.5 0.7	0.0 0.0 0.0	Missing	Side	Unstemmed
23DA371	1-13	2.6	2.3 2.0 0.5	0.7 1.5 0.0	Missing	Corner	Expanding
23DA371	1-13	1.5	1.8 1.7 0.4	0.6 1.2 0.0	Missing	Corner	Expanding
23DA371	1-13	1.3	1.7 1.7 0.3	0.5 1.1 0.0	Missing	Corner	Expanding
23DA371	1-13	42.0	5.9 5.3 0.9	0.0 0.0 0.0	Rounded	Unnotched	Unstemmed
23DA371	1-13	12.8	3.8 3.4 0.8	0.0 0.0 0.0	N/A	N/A	N/A
23DA371	1-13	46.7	6.5 4.4 1.2	0.0 0.0 0.0	N/A	N/A	N/A
23DA371	1-13	25.3	6.4 3.1 1.0	0.0 0.0 0.0	N/A	N/A	N/A
23DA371	1-13	31.4	6.1 4.0 1.7	1.5 2.5 0.0	Rounded	Corner removed	Contracting
23DA371	1-13	57.0	9.5 4.5 1.2	0.0 0.0 0.0	Missing	Unnotched	Unstemmed
23DA371	1-13	51.6	5.0 6.2 1.4	0.0 0.0 0.0	Missing	Unnotched	Unstemmed
23DA371	1-13	17.9	3.7 5.2 1.0	0.0 0.0 0.0	Missing	Unnotched	Unstemmed
23DA371	1-14	76.2	6.6 5.5 2.3	0.0 0.0 0.0	Rounded	Unnotched	Unstemmed
23DA371	1-14	27.1	4.4 5.8 0.9	0.0 0.0 0.0	Missing	Unnotched	Unstemmed
23DA372	1-1	37.0	6.0 5.1 1.1	0.0 0.0 0.0	Missing	Unnotched	Unstemmed
23DA372	1-2	16.5	2.9 5.1 0.9	0.0 0.0 0.0	Missing	Unnotched	Unstemmed
23DA373	1-1	10.3	2.6 4.2 0.8	1.4 2.6 0.0	Missing	Barbed	Expanding
23DA373	1-2	17.5	4.6 3.5 0.9	0.0 0.0 0.0	Missing	None	Unstemmed
23DA373	1-3	16.2	0.0 0.0 0.0	0.0 0.0 0.0	Missing	None	Missing
23DA373	1-4	27.9	3.6 5.4 1.2	0.0 0.0 0.0	Missing	None	Unstemmed
23DA373	1-5	16.1	3.1 4.6 1.0	0.0 0.0 0.0	Missing	None	Unstemmed
23DA373	1-6	53.8	4.3 6.2 1.8	0.0 0.0 0.0	Missing	None	Unstemmed
23DA374	1-1	27.3	4.8 3.7 61.1	0.0 0.0 0.0	N/A	N/A	N/A
23DA374	1-2	8.2	3.0 3.8 0.6	0.0 0.0 0.0	Rounded	Side	Missing
23DA374	1-3	19.3	0.0 0.0 0.0	0.0 0.0 0.0	Missing	Missing	Missing
23DA374	1-4	5.5	2.2 2.7 0.7	0.0 2.7 0.0	Missing	Corner removed	Contracting
23DA374	1-5	19.9	0.0 0.0 0.0	0.0 0.0 0.0	Missing	Unknown	Missing
23DA375	1-1	4.4	3.2 2.1 0.5	0.6 0.0 0.0	Missing	Corner	Expanding
23DA376	1-1	4.7	3.4 2.7 0.6	0.5 1.4 0.0	Broad	Basal	Expanding
23DA376	1-2	10.3	6.0 2.9 0.7	1.6 2.1 0.0	Pointed	N/A	Parallel
23DA376	1-3	3.0	2.2 2.5 0.5	0.0 0.0 0.0	Missing	Corner	Missing
23DA376	1-4	13.9	2.8 4.7 0.8	0.0 0.0 0.0	Missing	Unnotched	Unstemmed
23DA376	1-5	116.8	0.0 0.0 0.0	0.0 0.0 0.0	Missing	Unnotched	Unstemmed
23DA377	1-1	7.8	4.5 2.2 0.7	1.0 2.2 0.0	Missing	Corner	Expanding

## APPENDIX B

### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Wt(g)	Overall Size	Stem Size	Morphological Attributes			Side	Expanding		
					Impact fracture	Excavate	Stopping				
23DA377	1-2	7.3	4.1	2.1	0.8	1.3	1.8	Missing	None	None	Expanding
23DA377	1-3	7.6	3.0	3.4	0.7	0.9	2.3	Missing	None	Barbed	Expanding
23DA377	1-4	9.2	5.0	3.0	0.6	0.9	2.3	Missing	Damaged	Barbed	Expanding
23DA377	1-5	2.9	2.7	1.9	0.6	0.7	1.7	Missing	None	Barbed	Expanding
23DA377	1-6	9.6	3.6	3.4	0.8	1.4	2.1	Missing	Damaged	Square	Expanding
23DA377	1-7	5.3	2.0	3.4	0.7	1.3	2.8	Missing	Missing	Barbed	Expanding
23DA377	1-8	14.2	6.0	3.3	0.7	1.0	2.0	Rounded	Asymmetrical	Square	Expanding
23DA377	1-9	20.5	3.9	5.0	0.8	0.0	0.0	Missing	Damaged	None	Unstemmed
23DA377	1-10	13.6	0.0	0.0	0.0	0.0	0.0	Missing	Damaged	None	Missing
23DA377	1-11	28.6	0.0	0.0	0.0	0.0	0.0	Missing	Missing	None	Unstemmed
23DA379	1-1	10.0	3.7	3.1	0.8	1.0	2.4	Missing	Damaged	Missing	Expanding
23DA379	1-2	6.1	3.4	3.1	0.6	1.0	0.0	Missing	Damaged	Barbed	Expanding
23DA380	1-1	2.7	4.0	2.5	0.6	0.0	0.0	Pointed	Asymmetrical	Barbed	Missing
23DA380	1-2	5.7	4.0	2.0	0.6	0.0	0.0	Missing	Damaged	None	Missing
23DA380	1-3	26.5	4.8	5.2	1.3	0.0	0.0	Pointed	Excavate	Missing	Missing
23DA380	1-4	97.1	8.0	5.6	2.0	0.0	0.0	Irregular	Excavate	None	Unstemmed
23DA381	1-1	1.7	1.2	2.0	0.6	1.2	2.0	Missing	Missing	Missing	Expanding
23DA381	1-2	12.2	3.4	3.7	0.9	0.0	0.0	Missing	Missing	None	Unstemmed
23DA381	1-3	18.3	5.3	3.9	0.9	0.0	0.0	Missing	Damaged	Missing	Unstemmed
23DA382	1-1	1.8	2.4	1.6	0.4	0.6	0.4	Missing	Damaged	Barbed	Expanding
23DA382	1-2	3.1	2.0	2.0	0.6	1.0	1.5	Missing	Missing	Stopping	Expanding
23DA382	1-3	3.4	3.9	1.5	0.5	0.0	0.0	Rounded	Excavate	None	Unstemmed
23DA382	1-4	12.5	0.0	0.0	0.0	0.0	0.0	Missing	Damaged	None	Missing
23DA382	1-5	20.5	0.0	0.0	0.0	0.0	0.0	Missing	Missing	None	Unstemmed
23DA383	1-1	12.6	4.3	3.9	0.7	1.3	2.5	Missing	Missing	None	Expanding
23DA383	1-2	12.4	4.3	3.0	0.8	1.3	2.0	Missing	Damaged	Barbed	Expanding
23DA383	1-3	19.9	4.3	4.1	1.0	0.0	0.0	Missing	Damaged	Stopping	Contracting
23DA383	1-4	11.1	3.0	4.1	0.9	1.2	0.0	Missing	Missing	Missing	Missing
23DA383	1-5	86.9	0.0	0.0	0.0	0.0	0.0	Missing	Missing	Barbed	Expanding
23DA384	1-1	14.3	4.5	2.7	1.0	0.0	0.0	Missing	Damaged	None	Unstemmed
23DA385	1-1	17.1	4.7	3.8	1.0	1.6	2.1	Missing	Damaged	Sloping	Missing
23DA385	1-2	333.8	0.0	0.0	0.0	0.0	0.0	Missing	Missing	Barbed	Parallel
23DA385	1-3	46.8	0.0	0.0	0.0	0.0	0.0	Missing	Damaged	None	Unstemmed
23DA385	1-4	18.8	3.5	5.7	0.9	0.0	0.0	Missing	Damaged	None	Missing
23DA385	1-5	15.1	4.6	3.7	0.8	0.0	0.0	Missing	Missing	None	Unstemmed
									Damaged	None	Missing

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	W(g)	Overall Size	Stem Size	Morphological Attributes	Side	Side	Side	Lobed			
23DA383	1-6	7.4	3.2	2.9	0.8	1.1	2.2	Missing	Damaged	Sloping	Side	Lobed
23DA385	1-7	15.2	5.9	2.9	0.8	1.4	2.5	Broad	Excavate	Sloping	Side	Expanding
23DA385	1-8	7.4	5.5	3.5	0.9	1.8	2.9	Missing	Excavate	Square	Side	Expanding
23DA385	1-9	10.0	4.2	3.6	0.6	1.3	2.8	Broad	Recurved	Barbed	Corner	Expanding
23DA385	1-10	3.0	1.8	2.1	0.6	1.7	2.1	Missing	Missing	Missing	Side	Expanding
23DA385	1-11	6.4	2.6	2.5	0.7	1.2	2.5	Square	Damaged	Missing	Side	Lobed
23DA385	1-12	10.3	4.0	3.0	0.8	1.3	2.5	Missing	Damaged	Barbed	Corner	Expanding
23DA385	1-13	12.2	4.6	2.7	0.8	1.1	2.8	Missing	Damaged	Missing	Side	Expanding
23DA385	1-14	12.9	3.3	3.4	1.0	0.0	0.0	Missing	Damaged	Missing	Side	Missing
23DA385	1-15	16.9	6.3	2.3	1.0	1.5	1.7	Damaged	Asymmetrical	Sloping	Corner removed	Parallel
23DA385	1-16	9.7	4.6	2.4	0.8	1.5	1.6	Missing	Asymmetrical	Sloping	Corner removed	Contracting
23DA385	1-17	3.3	2.5	2.2	0.5	0.0	0.0	Missing	Damaged	Barbed	Corner	Expanding
23DA385	1-18	2.5	3.0	0.9	0.6	0.0	0.0	Missing	Damaged	None	Unknown	Missing
23DA385	1-19	22.2	6.6	5.0	0.8	0.0	0.0	Missing	Damaged	None	Unnotched	Unstemmed
23DA386	1-1	8.3	4.1	3.5	0.7	1.7	1.9	Broad	Excavate	Barbed	Basal	Parallel
23DA386	1-2	9.3	3.3	4.0	0.8	1.2	2.3	Broad	Excavate	Barbed	Basal	Expanding
23DA386	1-3	621.0	0.0	0.0	0.0	0.0	0.0	Missing	Excavate	None	Unnotched	Unstemmed
23DA386	1-4	25.7	0.0	0.0	0.0	0.0	0.0	Missing	Damaged	None	N/A	Missing
23DA386	1-5	69.9	0.0	0.0	0.0	0.0	0.0	Missing	Damaged	None	N/A	Missing
23DA386	1-6	233.2	0.0	0.0	0.0	0.0	0.0	Missing	Missing	None	Unnotched	Unstemmed
23DA386	1-7	7.9	3.7	2.8	0.7	1.0	2.0	Missing	Damaged	Square	Corner	Expanding
23DA386	1-8	6.2	3.4	2.5	0.8	1.4	1.8	Damaged	Excavate	Square	N/A	Expanding
23DA386	1-9	6.8	3.6	2.3	0.7	1.2	2.0	Missing	Excavate	Sloping	Side	Expanding
23DA386	1-11	4.0	2.6	1.8	0.6	1.3	1.8	Missing	Missing	Missing	Side	Expanding
23DA386	1-12	7.3	3.8	2.3	0.8	1.3	2.0	Missing	Damaged	Sloping	Side	Expanding
23DA386	1-13	4.0	2.2	2.2	0.7	1.2	2.2	Pointed	Straight	Sloping	Side	Expanding
23DA386	1-14	5.6	2.5	2.7	0.6	1.1	1.9	Missing	Missing	Barbed	N/A	Expanding
23DA386	1-15	10.0	4.3	3.3	0.6	0.0	0.0	Missing	Excavate	Square	Side	Missing
23DA386	1-16	5.5	2.6	2.0	0.8	1.4	2.0	Missing	Damaged	Sloping	Side	Expanding
23DA386	1-17	10.9	3.8	3.1	0.8	1.2	2.7	Missing	Damaged	Missing	Corner	Expanding
23DA386	1-18	10.0	5.0	2.0	0.9	1.2	2.0	Missing	Straight	Sloping	Side	Expanding
23DA386	1-19	10.2	4.0	3.5	0.9	1.5	2.7	Missing	Damaged	Barbed	Corner	Expanding
23DA386	1-20	9.3	2.9	4.4	0.7	1.4	3.0	Missing	Missing	Barbed	Corner	Expanding
23DA386	1-21	12.6	4.2	3.3	0.9	1.3	2.7	Missing	Damaged	Barbed	Corner	Expanding
23DA386	1-22	8.9	3.1	2.9	0.8	1.4	2.9	Missing	Missing	Square	Corner	Expanding

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	W(g)	Overall Size	Stem Size	Morphological Attributes	Side	Parallel
23DA386	1-23	8.7	2.9 3.4 0.9	1.4 2.4 Missing	Missing	Square	Parallel
23DA386	1-24	8.0	3.1 2.8 0.8	1.3 2.5 Missing	Damaged	Barbed	Expanding
23DA386	1-25	8.0	4.1 2.9 0.7	1.6 2.3 Missing	Damaged	Barbed	Expanding
23DA386	1-26	6.8	3.9 2.6 0.6	1.0 1.8 Missing	Damaged	Barbed	Expanding
23DA386	1-27	5.5	3.9 2.3 0.5	1.2 1.8 Missing	Damaged	Sloping	Expanding
23DA386	1-28	13.6	3.3 3.7 0.9	0.0 2.1 Missing	Damaged	Barbed	Parallel
23DA386	1-29	30.7	0.0 0.0 0.0	0.0 0.0 Missing	Missing	None	Unstemmed
23DA386	1-30	217.3	11.8 7.5 1.9	0.0 0.0 Rounded	Excavate	None	Unstemmed
23DA386	1-31	5.4	2.4 2.3 0.6	0.0 0.0 Missing	Missing	None	Unstemmed
23DA386	1-32	13.0	0.0 0.0 0.0	0.0 0.0 Missing	Missing	Square	Expanding
23DA386	1-33	10.2	4.2 2.5 0.9	1.2 2.5 Missing	Damaged	Sloping	Expanding
23DA386	1-34	8.7	4.5 2.3 0.7	0.0 0.0 Missing	Damaged	Missing	Expanding
23DA386	1-35	9.6	3.4 3.2 0.9	2.0 3.3 Missing	Straight	None	Expanding
23DA386	1-36	6.0	3.2 1.8 0.8	0.0 0.0 Missing	Damaged	None	Missing
23DA386	1-37	18.3	5.0 4.4 0.9	0.0 0.0 Pointed	Straight	None	Unstemmed
23DA387	1-1	579.2	0.0 0.0 0.0	0.0 0.0 Missing	Damaged	None	Unstemmed
23DA387	1-2	12.5	5.7 2.5 0.8	1.4 2.5 Pointed	Excavate	Sloping	Expanding
23DA387	1-3	32.8	0.0 0.0 0.0	0.0 0.0 Missing	Damaged	None	N/A
23DA387	1-4	18.6	5.8 3.8 0.9	1.6 3.3 Pointed	Asymmetrical	Sloping	Expanding
23DA387	1-5	17.7	4.2 3.8 0.9	1.3 2.7 Missing	Damaged	Square	Expanding
23DA387	1-6	10.0	3.6 3.5 0.8	1.4 3.2 Broad	Straight	Barbed	Expanding
23DA387	1-7	12.0	4.1 3.6 0.8	1.4 2.5 Missing	Damaged	Square	Expanding
23DA387	1-8	5.3	2.7 2.8 0.6	1.2 2.7 Rounded	Excavate	Square	Expanding
23DA387	1-9	9.9	0.0 0.0 0.0	0.0 0.0 Missing	Missing	None	Missing
23DA387	1-10	14.5	4.6 4.0 0.9	1.5 2.8 Missing	Ippirvate	Barbed	Expanding
23DA387	1-11	13.3	3.9 3.8 0.8	1.3 2.3 Rounded	Excavate	Square	Expanding
23DA387	1-12	13.2	4.6 3.0 0.6	0.0 0.0 Missing	Straight	Barbed	Missing
23DA387	1-13	19.0	4.6 4.5 0.9	2.6 2.7 Missing	Damaged	Square	Parallel
23DA387	1-14	8.8	5.9 3.2 0.9	1.5 0.0 Pointed	Excavate	Square	Expanding
23DA387	1-15	32.7	0.0 0.0 0.0	0.0 0.0 Missing	Missing	Square	Expanding
23DA387	1-16	91.0	0.0 0.0 0.0	0.0 0.0 Missing	Damaged	None	Missing
23DA387	1-17	7.6	3.8 2.2 0.8	1.1 1.5 Missing	Damaged	Sloping	Parallel
23DA387	1-18	6.1	3.1 2.8 0.7	1.3 2.8 Missing	Incurred	Sloping	Expanding
23DA387	1-19	7.1	3.3 2.5 0.7	0.0 0.0 Missing	Missing	None	Missing
23DA387	1-20	6.2	3.3 2.8 0.7	0.0 0.0 Missing	Damaged	None	Unstemmed

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	None	Buttering	Wt (g)	Overall Size	Stem Size	Morphological Attributes	Missing	Side	Expanding
23DA387	1-21	None	Buttering	11.2	5.3 2.2 0.8	1.3 2.1 Missing	Damaged	Missing	Side	Expanding
23DA387	1-22	None	None	7.4	2.5 2.8 0.8	1.5 2.8 Missing	Missing	Missing	Side	Expanding
23DA387	1-23	None	Impact fracture	12.9	3.5 4.2 0.8	1.2 2.3 Missing	Damaged	Barbed	Corner removed	Parallel
23DA387	1-24	None	None	18.1	4.8 2.4 1.1	1.3 0.0 Missing	Angular	Barbed	Corner	Expanding
23DA387	1-25	None	None	9.4	3.6 2.9 0.8	1.2 2.7 Missing	Damaged	Square	Corner	Expanding
23DA387	1-26	None	Impact fracture	12.7	4.1 3.3 0.8	1.4 3.2 Missing	Damaged	Missing	Corner	Expanding
23DA387	1-27	None	Buttering	13.7	4.9 3.7 0.9	0.6 0.0 Missing	Damaged	Missing	Corner	Expanding
23DA387	1-28	None	None	12.6	4.8 3.2 0.8	1.1 0.0 Missing	Damaged	Barbed	Corner removed	Parallel
23DA387	1-29	None	None	8.0	4.3 2.8 0.6	1.1 2.5 Missing	Damaged	Barbed	Side	Expanding
23DA387	1-30	None	None	7.9	2.5 3.3 0.8	1.4 3.3 Missing	Missing	Barbed	Corner	Expanding
23DA387	1-31	None	None	8.7	2.4 2.8 1.0	1.7 2.8 Missing	Missing	Sloping	Side	Expanding
23DA387	1-32	None	None	5.1	1.8 3.5 0.7	1.2 2.8 Missing	Missing	Square	Corner	Expanding
23DA387	1-33	None	Impact fracture	11.3	3.9 2.9 0.9	1.3 2.9 Missing	Damaged	Barbed	Corner	Expanding
23DA387	1-34	None	None	14.8	4.5 3.4 0.7	1.5 3.0 Missing	Damaged	Barbed	Corner	Expanding
23DA387	1-35	None	Fluttering	3.9	4.0 3.5 0.9	1.0 0.0 Missing	Damaged	Barbed	Basal	Expanding
23DA387	1-36	None	None	18.4	5.7 3.5 0.7	0.0 0.0 Missing	Asymmetrical	None	Unnotched	Unstemmed
23DA387	1-37	None	None	12.3	5.0 2.8 0.6	0.0 0.0 N/A	N/A	N/A	N/A	N/A
23DA387	1-38	None	None	22.2	5.7 3.2 1.1	0.0 0.0 Pointed	Excavate	None	Unnotched	Unstemmed
23DA387	1-39	None	None	25.3	3.5 5.5 1.2	0.0 0.0 Missing	Missing	None	Unnotched	Unstemmed
23DA387	1-40	None	None	34.3	6.1 4.0 1.3	0.0 0.0 Rounded	Excavate	None	Unnotched	Unstemmed
23DA387	1-41	None	None	34.0	7.7 3.3 1.1	0.0 0.0 Rounded	Excavate	None	Unnotched	Unstemmed
23DA388	1-1	None	None	9.6	4.3 3.0 0.8	1.5 1.9 Missing	Damaged	Sloping	Corner removed	Contracting
23DA388	1-2	None	None	13.8	3.8 3.8 0.7	0.0 0.0 Missing	Damaged	Missing	Unnotched	Missing
23DA388	1-3	None	None	8.2	4.3 3.4 0.7	1.2 2.1 Missing	Asymmetrical	Barbed	Corner	Expanding
23DA389	1-1	None	None	11.3	6.5 2.6 0.8	1.7 2.1 Pointed	Asymmetrical	Sloping	Corner removed	Contracting
23DA389	1-2	None	None	7.8	3.9 3.0 0.7	1.7 2.1 Missing	Incurvate	Sloping	Corner removed	Contracting
23DA389	1-3	None	None	10.2	4.0 2.4 1.0	1.5 0.0 Missing	Damaged	None	Unnotched	Parallel
23DA389	1-4	None	None	6.9	3.5 2.2 0.8	0.0 0.0 Missing	Damaged	None	Unnotched	Missing
23DA389	1-5	None	None	58.0	0.0 0.0 0.0	0.0 0.0 Missing	Missing	None	Unnotched	Unstemmed
23DA290	1-1	None	None	125.8	8.8 6.1 2.1	0.0 0.0 Rounded	Excavate	None	Unnotched	Unstemmed
23DA370	1-2	None	None	6.4	4.2 2.3 0.7	0.0 0.0 Missing	Straight	Missing	Side	Missing
23DA390	1-3	None	None	21.8	5.2 3.7 0.9	0.0 0.0 Missing	Damaged	None	Unnotched	Missing
23DA391	1-1	None	None	3.4	2.5 2.4 0.7	1.3 1.7 Missing	Missing	Sloping	Corner removed	Contracting
23DA391	1-2	None	None	11.2	4.4 2.7 0.7	0.0 0.0 Missing	Damaged	Missing	Unnotched	Missing
23DA392	1-1	None	Impact fracture	8.0	3.4 2.8 0.8	1.4 2.9 Missing	Damaged	Missing	Side	Expanding



APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	W(g)	Overall Size	Stem Size	Morphological Attributes	Barbed	Corner	Expanding
23DA393	1-35	None	None	None	None	None	None	None
23DA393	1-36	None	None	None	None	None	None	None
23DA393	1-38	None	None	None	None	None	None	None
23DA393	1-39	None	None	None	None	None	None	None
23DA393	1-40	None	None	None	None	None	None	None
23DA393	1-41	None	None	None	None	None	None	None
23DA393	1-42	None	None	None	None	None	None	None
23DA393	1-43	None	None	None	None	None	None	None
23DA393	1-44	None	None	None	None	None	None	None
23DA393	1-45	None	None	None	None	None	None	None
23DA393	1-46	None	None	None	None	None	None	None
23DA393	1-47	None	None	None	None	None	None	None
23DA393	1-48	None	None	None	None	None	None	None
23DA393	1-49	None	None	None	None	None	None	None
23DA393	1-50	None	None	None	None	None	None	None
23DA393	1-51	None	None	None	None	None	None	None
23DA393	1-52	None	None	None	None	None	None	None
23DA393	1-53	None	None	None	None	None	None	None
23DA393	1-54	None	None	None	None	None	None	None
23DA393	1-55	None	None	None	None	None	None	None
23DA393	1-56	None	None	None	None	None	None	None
23DA393	1-57	None	None	None	None	None	None	None
23DA393	1-58	None	None	None	None	None	None	None
23DA393	1-59	None	None	None	None	None	None	None
23DA393	1-60	None	None	None	None	None	None	None
23DA393	1-61	None	None	None	None	None	None	None
23DA393	1-62	None	None	None	None	None	None	None
23DA393	1-63	None	None	None	None	None	None	None
23DA393	1-64	None	None	None	None	None	None	None
23DA393	1-65	None	None	None	None	None	None	None
23DA393	1-66	None	None	None	None	None	None	None
23DA393	1-68	None	None	None	None	None	None	None
23DA393	1-69	None	None	None	None	None	None	None
23DA393	1-70	None	None	None	None	None	None	None
23DA393	1-71	None	None	None	None	None	None	None

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	None	None	W(g)	Overall Size	Stem Size	Morphological Attributes	Slipping	Corner removed	Expanding
23DA393	1-72	None	None	8.9	4.1 3.0 0.6	1.0 2.5 Missing	Damaged	Slipping	Corner removed	Expanding
23DA393	1-73	None	None	16.0	3.5 3.9 1.0	1.1 2.8 Missing	Damaged	Barbed	Corner	Expanding
23DA393	1-74	None	None	10.8	5.0 3.0 0.7	1.3 0.0 Rounded	Excavate	Damaged	Side	Expanding
23DA393	1-75	Wood	None	12.8	3.3 4.3 0.8	0.0 0.0 Missing	Damaged	None	Unnotched	Unstemmed
23DA393	1-76	None	None	8.8	4.8 3.3 0.7	1.0 0.0 Pointed	Asymmetrical	Square	Side	Expanding
23DA393	1-77	None	None	12.1	3.5 3.4 0.8	0.0 0.0 Missing	Missing	None	Unnotched	Unstemmed
23DA393	1-78	None	None	11.1	4.6 3.4 0.7	1.5 0.0 Rounded	Excavate	Barbed	Corner	Expanding
23DA393	1-79	None	None	12.4	4.5 4.0 0.8	0.0 0.0 Missing	Missing	Barbed	Corner	Expanding
23DA393	1-80	None	None	16.2	4.8 2.6 1.0	1.2 0.0 Missing	Damaged	Barbed	Corner	Expanding
23DA393	1-81	None	None	2.7	5.9 2.1 0.7	0.0 0.0 N/A	N/A	N/A	N/A	N/A
23DA393	1-82	None	None	13.6	3.3 3.9 0.9	0.0 0.0 Missing	Missing	None	Unnotched	Unstemmed
23DA393	1-83	None	None	3.5	3.0 2.5 0.4	0.0 0.0 Rounded	Excavate	None	Unnotched	Unstemmed
23DA393	1-84	None	None	6.4	3.5 2.5 0.6	1.4 2.4 Missing	Missing	Missing	Corner removed	Parallel
23DA393	1-85	Hide-wet	None	8.3	3.2 3.1 0.8	1.3 3.1 Rounded	Excavate	Damaged	Corner removed	Expanding
23DA393	1-86	None	None	5.2	1.9 2.4 0.6	1.1 2.2 Missing	Missing	Missing	Corner removed	Parallel
23DA393	1-87	None	None	7.6	3.6 2.3 0.8	0.0 0.0 Missing	Damaged	Slipping	Side	Expanding
23DA393	1-88	None	None	9.3	2.8 2.8 0.8	1.2 0.0 Missing	Damaged	Slipping	Side	Expanding
23DA393	1-89	None	None	5.6	2.6 3.2 0.7	1.1 2.4 Missing	Missing	Square	Corner removed	Parallel
23DA394	1-1	None	None	1.1	2.5 1.5 0.3	0.0 0.0 Pointed	Excavate	None	Unnotched	Unstemmed
23DA394	1-2	None	None	13.7	0.0 0.0 0.0	0.0 0.0 Missing	Missing	None	Unnotched	Unstemmed
23DA395	1-1	None	None	9.2	3.3 3.3 0.7	1.8 3.2 Missing	Missing	Slipping	Side	Expanding
23DA395	1-2	None	None	7.3	4.3 2.5 0.7	1.7 2.4 Missing	Damaged	Slipping	Side	Expanding
23DA395	1-3	None	None	46.4	0.0 0.0 0.0	0.0 0.0 Rounded	Missing	None	Unnotched	Unstemmed
23DA395	1-4	None	None	11.2	3.0 3.8 1.1	0.0 0.0 Missing	Missing	None	Unnotched	Unstemmed
23DA395	1-5	None	None	7.3	3.3 2.5 0.7	1.5 0.0 Missing	Damaged	Missing	Side	Expanding
23DA395	1-6	None	None	21.5	4.1 3.8 1.0	0.0 0.0 Missing	Missing	None	Unnotched	Unstemmed
23DA395	1-7	None	None	8.7	3.6 4.0 0.6	1.2 0.0 Missing	Missing	Square	Corner	Expanding
23DA396	1-1	None	None	55.0	11.3 4.2 1.1	0.0 0.0 Rounded	Excavate	None	Unnotched	Unstemmed
23DA396	1-2	None	None	69.3	0.0 0.0 0.0	0.0 0.0 Missing	Damaged	None	Unnotched	Unstemmed
23DA396	1-3	None	None	14.6	3.9 4.4 0.7	1.3 2.4 Missing	Damaged	Barbed	Corner removed	Parallel
23DA396	1-4	Hide-wet	None	74.5	7.3 5.5 1.8	0.0 0.0 Rounded	Excavate	None	Unnotched	Unstemmed
23DA396	1-5	None	None	9.5	4.4 3.6 0.7	0.0 0.0 Pointed	Excavate	Missing	Missing	Missing
23DA396	1-6	None	None	10.0	0.0 0.0 0.0	0.0 0.0 Missing	Missing	None	Unnotched	Unstemmed
23DA396	1-7	None	None	3.3	1.4 2.5 0.8	1.4 2.5 Missing	Missing	Missing	Corner removed	Expanding
23DA396	1-8	None	None	4.4	3.1 2.6 0.5	0.0 0.0 Missing	Damaged	None	Unnotched	Missing

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	W(g)	Overall Size	Stem Size	Morphological Attributes	None	Unnotched	Unstemmed
23DA397	1-1	240.5	0.0	0.0	0.0	Missing	Unnotched	Unstemmed
23DA397	1-2	121.8	7.0	7.8	2.0	Damaged	Unnotched	Unstemmed
23DA397	1-3	36.4	0.0	0.0	0.0	Damaged	Unnotched	Missing
23DA397	1-4	30.9	0.0	0.0	0.0	Damaged	Unnotched	Missing
23DA397	1-5	8.4	2.8	3.2	0.7	Missing	Unnotched	Unstemmed
23DA397	1-6	1.3	2.0	1.0	0.6	Damaged	N/A	Missing
23DA397	1-7	62.5	8.3	6.4	1.1	Asymmetrical	Unnotched	Unstemmed
23DA397	1-8	13.8	4.5	4.0	0.7	Damaged	Corner	Expanding
23DA397	1-9	13.8	3.8	3.4	0.9	Damaged	Side	Expanding
23DA397	1-10	10.0	3.2	3.2	0.9	Damaged	Corner	Expanding
23DA397	1-11	11.2	3.8	3.1	0.9	Damaged	Corner removed	Expanding
23DA397	1-12	7.2	2.2	3.3	0.7	Missing	Corner removed	Expanding
23DA397	1-13	11.3	4.9	3.5	0.5	Damaged	Corner removed	Expanding
23DA397	1-14	8.0	3.8	3.1	0.8	Excavate	Corner removed	Contracting
23DA397	1-15	4.9	2.9	1.9	0.7	Damaged	Corner removed	Expanding
23DA397	1-16	5.5	2.9	2.5	0.6	Damaged	Side	Lobed
23DA397	1-17	9.1	3.1	3.8	0.6	Damaged	Corner removed	Parallel
23DA397	1-18	1.5	1.5	1.9	0.6	Missing	Corner	Expanding
23DA398	1-1	45.4	7.0	5.0	1.3	Damaged	Unnotched	Unstemmed
23DA398	1-2	49.2	6.4	3.8	1.8	Damaged	Unnotched	Unstemmed
23DA398	1-3	9.6	0.0	0.0	0.0	Missing	Unnotched	Unstemmed
23DA398	1-4	9.8	4.3	3.0	0.8	Damaged	Corner removed	Unstemmed
23DA398	1-5	14.8	5.3	2.8	0.8	Damaged	Side	Parallel
23DA398	1-6	6.5	3.3	2.2	0.8	Damaged	Corner removed	Expanding
23DA398	1-7	4.0	3.6	2.0	0.6	Damaged	Corner removed	Expanding
23DA399	1-1	12.5	0.0	0.0	0.0	Damaged	Unnotched	Missing
23DA400	1-1	7.6	4.8	2.4	0.6	Excavate	Unnotched	Missing
23DA400	1-2	137.9	0.0	0.0	0.0	Missing	Unnotched	Parallel
23DA400	1-3	24.6	5.1	4.7	1.1	Damaged	Unnotched	Unstemmed
23DA400	1-4	17.2	4.6	3.5	0.9	Damaged	Basal	Parallel
23DA400	1-5	108.5	8.8	5.3	2.3	Excavate	Basal	Parallel
23DA400	1-6	31.8	5.8	4.6	1.2	N/A	Unnotched	Unstemmed
23DA400	1-7	10.3	2.9	3.4	1.1	Missing	N/A	N/A
23DA400	1-8	6.2	3.5	2.8	0.6	Damaged	Basal	Parallel
23DA400	1-9	9.6	3.1	3.2	0.9	Damaged	Corner	Expanding
							Corner removed	Expanding

## APPENDIX B

### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	W(g)	Overall Size	Stem Size	Morphological Attributes	Square	Corner removed	Parallel
23DA400	1-10	4.9	2.7 3.1	0.6 1.1	1.5 Missing	Square	Corner removed	Parallel
23DA400	1-11	7.1	4.5 2.6	0.8 2.6	1.6 Pointed	Sloping	Corner removed	Contracting
23DA400	1-13	1.2	1.7 1.3	0.6 0.5	1.1 Pointed	Sloping	Side	Expanding
23DA400	1-14	5.6	3.5 2.7	0.6 0.0	0.0 Missing	Missing	Unnotched	Missing
23DA400	1-15	2.9	2.7 2.0	0.5 0.0	0.0 Missing	None	Corner	Missing
23DA401	1-1	4.1	5.2 2.8	0.8 0.0	0.0 Missing	None	Unnotched	Unstemmed
23DA401	1-2	368.1	0.0 0.0	0.0 0.0	0.0 Missing	None	Unnotched	Unstemmed
23DA401	1-3	10.0	2.4 4.3	0.8 1.5	3.1 Missing	Barbed	Corner	Expanding
23DA401	1-4	9.8	3.3 3.1	0.8 1.3	2.2 Missing	Sloping	Corner removed	Expanding
23DA401	1-5	17.4	3.7 3.7	1.1 1.6	2.8 Missing	Square	Corner removed	Expanding
23DA401	1-6	16.1	5.2 3.3	0.9 1.2	2.7 Missing	Square	Corner removed	Expanding
23DA401	1-7	10.5	3.4 3.4	0.8 1.6	2.8 Missing	Square	Corner removed	Expanding
23DA401	1-8	16.2	3.9 4.0	0.9 1.2	0.0 Missing	Barbed	Corner	Expanding
23DA401	1-9	6.5	3.3 2.5	0.7 1.3	0.0 Missing	Barbed	Corner	Expanding
23DA401	1-10	8.0	3.8 3.6	0.7 1.3	2.3 Missing	Barbed	Corner	Expanding
23DA401	1-11	12.8	2.9 5.0	0.8 1.4	0.0 Missing	Barbed	Corner	Expanding
23DA401	1-12	30.0	0.0 0.0	0.0 0.0	0.0 Missing	None	Unnotched	Missing
23DA401	1-13	16.2	0.0 0.0	0.0 0.0	0.0 Missing	None	Corner	Missing
23DA401	1-14	15.5	0.0 0.0	0.0 0.0	0.0 Missing	None	Unnotched	Missing
23DA401	1-15	13.7	3.7 3.3	0.8 1.2	3.2 Missing	Missing	Corner	Expanding
23DA401	1-16	13.5	4.1 3.6	0.8 1.2	3.1 Missing	Square	Corner removed	Parallel
23DA401	1-17	10.7	3.9 3.0	0.7 1.3	2.7 Missing	Missing	Corner removed	Expanding
23DA401	1-18	11.6	4.5 2.6	0.9 1.4	0.0 Missing	Square	Side	Expanding
23DA401	1-19	6.8	3.0 3.8	0.7 1.0	3.1 Missing	Barbed	Corner	Expanding
23DA401	1-20	8.3	3.4 3.0	0.8 1.0	2.6 Missing	Square	Corner	Expanding
23DA401	1-21	6.1	2.7 3.1	0.7 0.8	1.9 Missing	Barbed	Corner removed	Parallel
23DA401	1-22	35.7	6.3 3.8	1.5 0.0	0.0 Rounded	None	Unnotched	Unstemmed
23DA401	1-23	22.3	5.6 3.6	1.0 0.0	0.0 Rounded	None	Unnotched	Unstemmed
23DA401	1-24	20.0	5.0 3.1	1.2 0.0	0.0 Rounded	None	Unnotched	Unstemmed
23DA401	1-25	33.9	5.1 4.6	0.8 0.0	0.0 Missing	None	Unnotched	Unstemmed
23DA401	1-26	94.4	8.4 5.9	2.0 0.0	0.0 Rounded	None	Unnotched	Unstemmed
23DA401	1-27	107.3	7.5 5.6	2.0 0.0	0.0 Rounded	None	Unnotched	Unstemmed
23DA402	1-1	11.0	4.6 2.5	0.7 1.5	2.3 Missing	Sloping	Side	Expanding
23DA402	1-2	37.7	0.0 0.0	0.0 0.0	0.0 Missing	None	Unnotched	Unstemmed
23DA402	1-3	12.5	3.6 2.9	1.0 1.4	0.0 Missing	Missing	Corner	Expanding

**APPENDIX B**  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	None	W(g)	Overall Size	Stem Size	Morphological Attributes	None	Corner	None	Corner removed	Unstemmed
23DA402	1-4	None	8.4	0.0	0.0	0.0	Missing	Corner	None	Corner removed	Unstemmed
23DA403	1-1	None	8.5	3.7	2.4	0.7	Damaged	Corner	Sloping	Corner removed	Parallel
23DA403	1-2	None	6.8	3.1	2.5	0.7	Missing	Unnotched	Square	Corner	Expanding
23DA403	1-3	None	30.7	0.0	0.0	0.0	Damaged	Unnotched	None	Unnotched	Missing
23DA403	1-4	None	11.8	0.0	0.0	0.0	Damaged	Corner	None	Unnotched	Missing
23DA403	1-5	None	11.0	4.9	3.3	0.7	Damaged	Corner	Square	Corner removed	Expanding
23DA403	1-6	None	6.9	4.0	2.8	0.6	Damaged	Corner	Barbed	Corner removed	Bifurcated
23DA405	1-1	None	4.7	4.0	2.3	0.5	Straight	Corner	Sloping	Corner removed	Expanding
23DA405	1-2	None	17.2	5.2	3.7	0.9	Damaged	Corner	Damaged	Corner	Expanding
23DA405	1-3	None	0.4	1.7	1.0	0.3	Damaged	Corner	Damaged	Corner	Expanding
23DA405	1-4	None	29.7	4.5	3.4	1.8	Excavate	Unnotched	None	Unnotched	Unstemmed
23DA405	1-5	Hide-wet	1.2	1.9	1.3	0.5	Damaged	Unnotched	None	Unnotched	Missing
23DA405	1-6	None	7.2	4.5	2.0	1.0	Excavate	Unnotched	None	Unnotched	Unstemmed
23DA406	1-1	None	18.5	3.1	5.6	1.0	Missing	Unnotched	None	Unnotched	Unstemmed
23DA407	1-2	None	15.8	5.0	4.5	0.5	N/A	N/A	N/A	N/A	N/A
23DA408	1-1	None	4.2	2.3	2.6	0.5	Straight	Unnotched	None	Unnotched	Unstemmed
23DA408	1-2	None	32.6	9.5	3.7	1.2	Straight	N/A	Sloping	N/A	Parallel
23DA408	1-3	None	14.6	5.0	4.0	0.9	Excavate	Corner	Barbed	Corner	Expanding
23DA408	1-4	None	10.8	5.9	2.4	0.7	N/A	N/A	N/A	N/A	N/A
23DA408	1-5	None	25.2	5.6	3.4	1.3	Missing	Unnotched	None	Unnotched	Unstemmed
23DA408	1-1	None	3.5	3.7	2.2	0.4	N/A	N/A	N/A	N/A	N/A
23DA410	1-1	None	0.9	2.4	1.1	0.4	Excavate	Corner	Square	Corner	Expanding
23DA412	1-1	None	0.9	1.9	1.0	0.4	Straight	Corner	Square	Corner	Expanding
23DA412	1-2	None	0.8	1.6	1.2	0.3	Excavate	Side	Square	Side	Unstemmed
23DA412	1-3	None	1.2	2.0	1.1	0.4	Straight	Side	None	Side	Lobed
23DA412	1-4	None	4.8	1.9	2.9	0.7	Missing	Side	Square	Side	Expanding
23DA413	1-1	None	8.7	2.6	3.5	0.7	Missing	Corner	Barbed	Corner	Expanding
23PO230	1-1	None	6.2	4.0	1.9	0.8	Damaged	Side	Sloping	Side	Unstemmed
23PO230	1-2	None	6.4	3.2	2.7	0.7	Damaged	Corner	Barbed	Corner	Expanding
23PO230	1-3	None	10.7	4.5	4.0	0.6	Incurvate	Corner removed	Sloping	Corner removed	Contracting
23PO230	1-4	None	0.7	1.5	1.2	0.5	Excavate	Corner	Barbed	Corner	Parallel
23PO304	1-1	None	8.9	4.2	2.5	0.8	Incurvate	Side	Square	Side	Unstemmed
23PO304	1-2	None	6.0	2.6	3.1	0.7	Missing	Corner removed	Barbed	Corner removed	Expanding
23PO304	1-3	None	11.7	5.5	2.3	0.9	Excavate	Unnotched	Sloping	Unnotched	Missing
23PO304	1-4	None	41.5	5.9	5.2	1.2	Excavate	Unnotched	None	Unnotched	Unstemmed

## APPENDIX B

### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Wt(g)	Overall Size	Stem Size	Morphological Attributes	None	Unnotched	Unstemmed
23PO304	1-5	53.0	7.5 4.0 1.7	0.0 0.0	Missing	Damaged	None	Unstemmed
23PO320	1-1	8.7	3.5 2.5 0.9	0.0 0.0	Missing	Missing	Corner	Missing
23PO320	1-2	9.4	4.3 2.9 0.7	0.0 0.0	Missing	Missing	Unnotched	Unstemmed
23PO351	1-1	10.1	4.2 2.7 0.8	1.3 2.4	Missing	Damaged	Corner removed	Expanding
23PO351	1-2	5.9	4.5 2.1 0.7	0.9 2.1	Pointed	Straight	Corner	Expanding
23PO351	1-3	11.2	3.7 3.8 0.8	1.3 3.2	Rounded	Excavate	Corner	Expanding
23PO351	1-4	79.5	0.0 0.0 0.0	0.0 0.0	Missing	Damaged	Unnotched	Missing
23PO351	1-5	125.9	0.0 0.0 0.0	0.0 0.0	Missing	Damaged	Unnotched	Unstemmed
23PO351	1-6	22.7	0.0 0.0 0.0	0.0 0.0	Missing	Damaged	Unnotched	Missing
23PO351	1-7	7.5	2.4 3.9 0.8	1.4 3.2	Missing	Missing	Corner	Expanding
23PO351	1-8	11.7	3.6 3.4 0.8	1.4 2.8	Missing	Missing	Corner	Expanding
23PO351	1-9	7.9	2.9 3.1 0.9	1.2 2.1	Missing	Missing	Corner removed	Parallel
23PO351	1-10	11.3	3.6 3.7 0.9	0.9 2.5	Missing	Missing	Corner removed	Parallel
23PO351	1-11	0.6	1.7 1.0 0.4	0.7 0.9	Rounded	Straight	Corner removed	Expanding
23PO351	1-12	11.4	4.3 2.8 0.8	1.3 2.1	Missing	Damaged	Corner removed	Expanding
23PO351	1-13	7.3	4.1 2.7 0.7	1.4 2.4	Pointed	Straight	Unnotched	Parallel
23PO351	1-14	32.2	6.2 4.3 1.1	0.0 0.0	Rounded	Excavate	Unnotched	Unstemmed
23PO351	1-15	22.9	5.9 4.6 0.7	0.0 0.0	Missing	Missing	Unnotched	Unstemmed
23PO351	1-16	20.9	4.4 4.4 0.8	0.0 0.0	Missing	Missing	Unnotched	Unstemmed
23PO351	1-17	26.2	4.3 4.5 1.0	0.0 0.0	Missing	Missing	Unnotched	Unstemmed
23PO351	1-18	7.8	2.7 3.9 0.6	0.0 0.0	Missing	Missing	Unnotched	Missing
23PO351	1-19	8.3	3.5 3.1 0.7	0.0 0.0	Missing	Missing	Unnotched	Missing
23PO351	2-1	1.5	2.6 2.1 0.4	0.8 1.3	Pointed	Recurved	Corner	Expanding
23PO351	2-2	157.3	0.0 0.0 0.0	0.0 0.0	Missing	Missing	Unnotched	Unstemmed
23PO351	2-3	35.0	0.0 0.0 0.0	0.0 0.0	Missing	Damaged	Unnotched	Missing
23PO351	2-4	31.4	0.0 0.0 0.0	0.0 0.0	Missing	Damaged	Unnotched	Missing
23PO351	2-8	102.3	8.3 5.5 1.8	0.0 0.0	Rounded	Missing	Unnotched	Unstemmed
23PO351	2-9	37.3	5.2 4.5 1.2	0.0 0.0	Missing	Damaged	Unnotched	Unstemmed
23PO351	2-10	15.2	3.9 3.4 0.7	0.0 0.0	Missing	Missing	Unnotched	Unstemmed
23PO351	2-11	7.7	2.5 3.4 0.8	0.0 0.0	Missing	Missing	Unnotched	Unstemmed
23PO351	2-12	14.1	3.9 3.9 0.8	1.5 2.4	Missing	Missing	Corner	Unstemmed
23PO351	2-13	7.7	3.3 3.1 0.8	1.5 0.0	Missing	Damaged	Corner	Expanding
23PO351	2-14	6.5	2.5 3.9 0.9	1.2 2.3	Missing	Missing	Corner	Expanding
23PO351	2-15	4.8	2.3 3.1 0.7	1.3 2.3	Missing	Missing	Corner	Expanding
23PO351	2-16	6.2	4.1 2.8 0.7	1.2 2.4	Missing	Damaged	Corner	Expanding

## APPENDIX B

### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Wt(g)	Overall Size	Stem Size	Morphological Attributes	None	Barbed	Unnotched	Unstemmed				
23PO351	2-17	0.7	2.2	0.9	0.4	0.0	0.0	Missing	Damaged	None	None	Unnotched	Unstemmed
23PO351	3-1	14.8	5.5	3.3	0.8	1.0	2.6	Missing	Excavate	Barbed	None	Corner	Expanding
23PO351	3-2	11.5	3.7	2.9	1.2	1.5	2.4	Missing	Damaged	Sloping	Side	Side	Lobed
23PO351	3-3	12.0	4.3	2.8	0.9	1.5	2.4	Missing	Damaged	Barbed	Corner	Corner	Lobed
23PO351	3-4	12.1	3.8	3.4	0.9	1.7	2.2	Missing	Damaged	Square	Corner removed	Corner removed	Parallel
23PO351	3-5	5.5	3.2	2.4	0.7	1.2	2.1	Missing	Missing	Sloping	Side	Side	Expanding
23PO351	3-6	94.4	0.0	0.0	0.0	0.0	0.0	Missing	Missing	None	Unnotched	Unnotched	Unstemmed
23PO351	3-7	47.4	0.0	0.0	0.0	0.0	0.0	Missing	Missing	None	N/A	N/A	Missing
23PO351	3-8	28.6	0.0	0.0	0.0	0.0	0.0	Missing	Damaged	None	None	None	Missing
23PO351	3-9	2.0	1.5	1.9	0.6	0.9	1.7	Missing	Missing	Missing	Corner	Corner	Expanding
23PO351	3-10	16.2	4.5	3.3	0.9	0.8	0.0	Missing	Damaged	Missing	Corner removed	Corner removed	Contracting
23PO351	3-11	3.6	3.6	3.4	0.8	0.0	0.0	Missing	Missing	None	Unnotched	Unnotched	Unstemmed
23PO351	4-1	6.0	4.7	1.9	0.8	1.4	1.9	Missing	Straight	None	Unnotched	Unnotched	Contracting
23PO351	4-2	3.1	3.0	1.9	0.5	1.0	1.4	Missing	Excavate	Square	Corner removed	Corner removed	Parallel
23PO351	4-3	3.5	3.3	2.1	0.4	0.0	0.0	Missing	Straight	Barbed	Rasul	Rasul	Missing
23PO351	4-4	4.2	3.4	2.0	0.6	1.5	0.0	Missing	Missing	Missing	Corner removed	Corner removed	Expanding
23PO351	4-5	2.3	2.0	1.8	0.6	0.0	0.0	Missing	Missing	None	Unnotched	Unnotched	Contracting
23PO351	4-6	7.4	5.0	1.9	0.7	1.1	0.0	Missing	Damaged	Square	Corner removed	Corner removed	Parallel
23PO351	4-7	96.7	0.0	0.0	0.0	0.0	0.0	Missing	Damaged	None	Unnotched	Unnotched	Unstemmed
23PO351	4-8	38.7	0.0	0.0	0.0	0.0	0.0	Missing	Damaged	None	Unnotched	Unnotched	Unstemmed
23PO351	4-9	12.4	0.0	0.0	0.0	0.0	0.0	Missing	Damaged	None	Unnotched	Unnotched	Unstemmed
23PO351	4-10	133.6	7.5	6.8	2.3	0.0	0.0	Missing	Damaged	None	Unnotched	Unnotched	Unstemmed
23PO355	1-1	5.6	4.1	2.0	0.7	0.8	1.7	Missing	Straight	Sloping	Corner removed	Corner removed	Expanding
23PO355	1-2	4.6	2.9	3.0	0.4	0.7	2.0	Missing	Damaged	Barbed	Beak	Beak	Expanding
23PO355	1-3	0.6	2.3	1.3	0.3	0.4	0.8	Pointed	Straight	Barbed	Corner	Corner	Expanding
23PO355	1-4	34.2	5.3	4.6	1.2	1.2	2.2	Missing	Damaged	Barbed	Corner removed	Corner removed	Parallel
23PO355	1-5	85.1	0.0	0.0	0.0	0.0	0.0	Missing	Missing	None	Unnotched	Unnotched	Unstemmed
23PO355	1-6	15.6	0.0	0.0	0.0	0.0	0.0	Missing	Damaged	None	Unnotched	Unnotched	Missing
23PO355	1-7	9.1	4.2	3.9	0.6	0.0	0.0	Missing	Damaged	Barbed	Corner	Corner	Missing
23PO355	1-8	6.9	3.3	2.7	0.7	0.0	1.8	Missing	Straight	Square	Corner removed	Corner removed	Parallel
23PO355	1-9	19.7	4.6	5.2	0.9	1.5	2.7	Missing	Missing	Barbed	Corner	Corner	Expanding
23PO355	1-10	8.4	3.6	2.7	0.8	1.4	2.5	Missing	Excavate	Sloping	Side	Side	Lobed
23PO355	1-11	8.6	4.6	3.4	0.5	0.0	0.0	Missing	Damaged	None	Unnotched	Unnotched	Unstemmed
23PO357	1-1	1.7	2.7	1.8	0.5	0.7	1.0	Pointed	Straight	Barbed	Corner	Corner	Expanding
23PO357	1-2	3.5	2.3	2.7	0.5	0.6	0.0	Missing	Damaged	Barbed	Rasul	Rasul	Expanding

## APPENDIX B

### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Wt(g)	Overall Size	Stem Size	Morphological Attributes	Condition	Notes
23PO357	1-3	14.0	5.5 3.2	0.9 1.6	2.4 Missing	Damaged	None
23PO357	1-4	5.8	3.0 2.4	0.6 1.3	2.4 Missing	Damaged	None
23PO357	1-5	1.2	1.6 1.3	0.5 1.0	0.0 Missing	Missing	None
23PO357	1-6	1.0	1.0 1.8	0.5 0.0	0.0 Missing	Missing	None
23PO357	1-7	26.1	5.1 3.3	1.4 0.0	0.0 Rounded	Missing	None
23PO357	1-8	27.7	0.0 0.0	0.0 0.0	0.0 Missing	Missing	None
23PO357	2-1	188.1	0.0 0.0	0.0 0.0	0.0 Missing	Damaged	None
23PO357	2-2	22.7	5.8 4.6	0.9 1.3	2.5 Pointed	Straight	None
23PO357	2-3	9.1	2.8 3.8	0.8 1.3	2.5 Mi-slag	Missing	None
23PO357	2-4	4.2	3.2 2.0	0.7 0.7	0.0 Missing	Excavate	None
23PO357	2-5	1.7	2.3 1.6	0.5 0.8	1.3 Missing	Damaged	None
23PO357	2-6	8.5	3.9 3.0	0.6 0.0	0.0 Missing	Damaged	None
23PO359	1-1	548.3	0.0 0.0	0.0 0.0	0.0 Missing	Damaged	None
23PO359	1-2	53.5	0.0 0.0	0.0 0.0	0.0 Missing	Damaged	None
23PO359	1-3	25.2	0.0 0.0	0.0 0.0	0.0 Missing	Damaged	None
23PO359	1-4	32.8	0.0 0.0	0.0 0.0	0.0 Missing	Missing	None
23PO359	1-5	4.9	3.0 2.4	0.7 0.0	0.0 Missing	Missing	None
23PO359	1-6	16.8	6.1 2.9	0.9 1.2	2.1 Missing	Damaged	None
23PO359	1-7	10.9	4.5 3.5	0.5 1.5	3.0 Missing	Damaged	Impact fracture
23PO359	1-8	9.3	3.2 3.4	0.7 1.3	3.1 Missing	Damaged	None
23PO359	1-9	5.5	3.2 2.5	0.6 1.0	2.5 Missing	Incurvate	None
23PO359	1-10	14.2	4.5 3.0	1.2 1.3	2.8 Missing	Damaged	Impact fracture
23PO359	1-11	8.4	2.9 3.2	0.8 1.3	3.1 Missing	Missing	None
23PO359	1-12	4.8	3.6 2.9	0.6 0.0	0.0 Pointed	Straight	Perforating
23PO359	1-13	11.2	4.7 3.5	0.7 1.2	2.8 Missing	Damaged	Impact fracture
23PO359	1-14	1.7	2.0 1.7	0.5 0.8	1.2 Missing	Missing	Impact fracture
23PO359	1-15	4.1	3.6 1.9	0.6 0.0	0.0 Rounded	Excavate	None
23PO359	1-16	2.3	2.4 1.6	0.5 0.0	0.0 Missing	Damaged	Impact fracture
23PO359	1-17	2.4	2.4 1.7	0.5 1.0	1.8 Missing	Damaged	Impact fracture
23PO359	1-18	2.3	2.0 1.7	0.6 0.8	1.7 Missing	Damaged	Impact fracture
23PO359	1-19	2.0	1.7 2.2	0.7 1.0	2.2 Missing	Missing	Impact fracture
23PO359	1-20	4.2	2.8 2.2	0.6 1.3	2.1 Rounded	Excavate	None
23PO359	1-21	5.8	2.5 3.1	0.7 1.4	2.1 Missing	Missing	None
23PO359	1-22	9.0	3.1 3.0	0.8 1.4	2.7 Missing	Damaged	None
23PO359	1-23	6.3	3.5 2.6	0.8 1.2	0.0 Missing	Excavate	None



## APPENDIX B

### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	W(g)	Overall Size	Stem Size	Morphological Attributes	Barbed	Corner	Expanding
23PO361	1-2	15.3	4.2 3.6 0.9	2.6 3.0 Missing	Damaged	Barbed	Corner	Expanding
23PO361	1-3	3.6	2.7 2.4 0.6	0.7 2.0 Pointed	Excavate	Barbed	Corner	Expanding
23PO361	1-4	5.7	3.4 2.7 0.5	2.0 2.0 Missing	Missing	Sloping	Unnotched	Contracting
23PO361	1-5	0.2	1.3 0.9 0.2	0.5 0.9 Missing	Damaged	Square	Side	Expanding
23PO361	1-6	1.4	1.9 1.4 0.5	0.9 1.4 Missing	Missing	Missing	Corner removed	Expanding
23PO361	1-7	6.7	0.0 0.0 0.0	0.0 0.0 Missing	Damaged	None	Unnotched	Unstemmed
23PO361	1-8	123.4	0.0 0.0 0.0	0.0 0.0 Missing	Damaged	None	Unnotched	Unstemmed
23PO366	1-1	11.5	5.4 3.1 0.7	1.5 2.3 Pointed	Excavate	Barbed	Corner removed	Expanding
23PO366	1-2	7.6	5.7 2.9 0.5	1.5 2.1 Pointed	Recurvate	Sloping	Corner removed	Contracting
23PO366	1-3	228.0	0.0 0.0 0.0	0.0 0.0 Missing	Damaged	None	Unnotched	Unstemmed
23PO366	1-4	65.5	0.0 0.0 0.0	0.0 0.0 Missing	Damaged	None	Unnotched	Unstemmed
23PO366	1-5	19.0	0.0 0.0 0.0	0.0 0.0 Missing	Damaged	None	Unnotched	Unstemmed
23PO366	1-6	20.8	7.2 3.7 0.7	1.3 1.6 Pointed	L. naged	None	Unnotched	Unstemmed
23PO366	1-7	19.0	6.5 3.4 0.9	0.0 1.9 Missing	Excavate	Barbed	Corner removed	Parallel
23PO366	1-8	8.9	3.9 4.1 0.5	1.2 2.4 Missing	Damaged	Square	Corner removed	Parallel
23PO366	1-9	20.1	5.8 3.5 1.0	1.0 2.2 Missing	Damaged	Barbed	Corner removed	Expanding
23PO366	1-10	7.6	5.1 2.2 0.7	1.0 2.1 Pointed	Asymmetrical	Barbed	Corner removed	Expanding
23PO366	1-11	11.3	3.8 3.4 0.8	1.4 2.4 Missing	Damaged	Square	Corner removed	Expanding
23PO366	1-12	4.5	3.3 2.1 0.6	0.9 0.0 Missing	Damaged	Barbed	Corner removed	Expanding
23PO366	1-13	2.0	2.0 2.2 0.5	0.8 1.2 Missing	Damaged	Square	Corner removed	Expanding
23PO366	1-14	5.5	2.9 2.7 0.7	1.0 1.4 Missing	Missing	Square	Corner removed	Expanding
23PO366	1-15	2.9	1.8 1.9 0.6	0.9 1.2 Missing	Missing	Square	Corner removed	Expanding
23PO366	1-16	6.6	3.4 3.1 0.6	1.6 2.0 Missing	Damaged	Square	Corner removed	Expanding
23PO366	1-17	6.6	3.0 3.2 0.8	1.5 1.9 Missing	Damaged	Sloping	Corner removed	Contracting
23PO366	1-18	8.9	3.9 3.3 0.6	1.7 2.1 Missing	Damaged	Sloping	Corner removed	Contracting
23PO366	1-19	12.6	5.9 3.6 0.9	1.7 1.8 Missing	Damaged	Square	Corner removed	Contracting
23PO366	1-20	0.5	2.4 1.0 0.4	0.6 0.8 Pointed	Incurvate	Sloping	Corner removed	Contracting
23PO366	1-21	0.5	1.9 1.1 0.4	0.6 0.9 Missing	Straight	Sloping	Side	Expanding
23PO366	1-22	0.5	1.8 1.3 0.3	0.6 0.8 Missing	Damaged	Barbed	Corner	Expanding
23PO366	1-23	0.5	2.0 1.2 0.4	0.8 1.0 Missing	Incurvate	Square	Corner removed	Expanding
23PO366	1-24	0.2	1.6 1.1 0.3	0.0 0.0 Missing	Damaged	Square	Corner removed	Expanding
23PO366	1-25	0.9	1.5 1.5 0.3	0.0 0.0 Missing	Damaged	None	Unnotched	Missing
23PO366	1-26	109.9	9.2 4.7 2.0	0.0 0.0 Rounded	Damaged	None	Unnotched	Missing
23PO366	1-27	19.2	4.3 5.0 0.8	0.0 0.0 Missing	Excavate	None	Unnotched	Unstemmed
23PO366	1-28	7.0	2.1 3.3 0.8	0.0 0.0 Missing	Damaged	None	Unnotched	Unstemmed
					Excavate	None	Unnotched	Unstemmed



APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	W(g)	Overall Size	Stem Size	Morphological Attributes	Barbed	Corner	Expanding				
23PO370	1-29	0.5	1.4	1.1	0.3	0.5	0.9	Missing	Damaged	Barbed	Corner	Expanding
23PO370	1-30	1.0	3.1	1.0	0.3	0.5	0.9	Pointed	Straight	Square	Corner	Expanding
23PO370	1-31	0.7	2.1	1.2	0.3	0.7	0.9	Pointed	Missing	Square	Corner removed	Expanding
23PO370	1-32	0.6	1.9	1.2	0.3	0.9	0.9	Missing	Damaged	Barbed	Corner	Expanding
23PO370	1-33	0.6	2.2	1.0	0.3	0.7	0.8	Missing	Damaged	Missing	Corner removed	Expanding
23PO370	1-34	0.6	1.7	1.2	0.4	0.7	0.7	Pointed	Incurvate	Square	Corner removed	Expanding
23PO370	1-35	0.5	1.6	1.1	0.3	0.5	0.9	Pointed	Straight	Square	Corner removed	Expanding
23PO370	1-36	0.5	1.7	1.1	0.3	0.7	0.8	Pointed	Straight	Square	Corner removed	Expanding
23PO370	1-37	0.4	1.6	1.0	0.3	0.5	0.8	Pointed	Straight	Barbed	Corner	Expanding
23PO370	1-38	0.5	2.2	0.9	0.3	0.6	0.8	Pointed	Straight	Missing	Corner removed	Expanding
23PO370	1-39	0.6	2.2	1.0	0.3	0.6	1.0	Pointed	Straight	Damaged	Corner	Expanding
23PO370	1-40	0.4	1.4	0.8	0.3	0.6	0.8	Missing	Missing	Barbed	Corner	Expanding
23PO370	1-41	0.5	1.4	1.1	0.2	0.5	0.9	Missing	Damaged	Square	Side	Expanding
23PO370	1-42	0.5	1.5	1.0	0.3	0.6	1.0	Pointed	Incurvate	Square	Corner	Expanding
23PO370	1-43	0.6	2.2	1.1	0.4	0.5	0.7	Pointed	Straight	Barbed	Corner	Expanding
23PO370	1-44	0.6	1.8	1.1	0.2	0.7	0.8	Missing	Damaged	Square	Corner	Expanding
23PO370	1-45	1.4	3.1	1.1	0.4	0.6	0.8	Pointed	Excavate	Sloping	Side	Expanding
23PO370	1-46	1.6	2.5	1.7	0.5	0.5	1.0	Pointed	Excavate	Barbed	Corner removed	Expanding
23PO370	1-47	1.6	0.0	0.0	0.0	0.0	0.0	Missing	Damaged	None	Unnotched	Missing
23PO370	1-48	1.8	0.0	0.0	0.0	0.0	0.0	Missing	Damaged	None	Unnotched	Missing
23PO370	1-49	9.2	3.8	2.8	0.8	0.0	0.0	Rounded	Excavate	None	Unnotched	Unstemmed
23PO370	1-50	3.6	2.7	2.3	0.6	0.0	0.0	Missing	Excavate	None	Unnotched	Unstemmed
23PO370	1-51	8.1	6.0	2.0	0.6	0.0	0.0	Rounded	Straight	None	Unnotched	Unstemmed
23PO370	1-52	8.9	3.4	2.8	0.9	0.0	0.0	Missing	Excavate	None	Unnotched	Unstemmed
23PO370	1-53	4.8	4.3	1.6	0.8	0.0	0.0	Pointed	Straight	None	Unnotched	Unstemmed
23PO370	1-54	2.2	2.4	1.6	0.4	0.0	0.0	Missing	Damaged	None	Unnotched	Unstemmed
23PO370	1-55	2.9	2.7	1.8	0.5	0.0	0.0	Missing	Damaged	None	Unnotched	Unstemmed
23PO370	1-56	3.3	3.3	1.8	0.5	0.0	0.0	Missing	Damaged	None	Unnotched	Unstemmed
23PO370	1-57	4.0	3.6	1.5	0.7	0.0	0.0	Pointed	Excavate	None	Unnotched	Unstemmed
23PO370	1-58	32.1	7.8	3.8	1.1	0.0	0.0	Pointed	Asymmetrical	None	Unnotched	Unstemmed
23PO370	1-60	8.6	3.2	3.4	0.7	1.2	2.3	Missing	Missing	Sloping	Side	Expanding
23PO370	1-61	13.6	4.8	3.0	0.9	0.0	0.0	Missing	Damaged	Barbed	Basal	Missing
23PO370	1-62	41.2	6.0	4.9	1.6	0.0	0.0	Rounded	Excavate	None	Unnotched	Unstemmed
23PO370	1-63	49.5	6.9	5.6	1.5	0.0	0.0	N/A	N/A	N/A	N/A	N/A
23PO370	1-64	50.2	4.0	5.8	1.8	0.0	0.0	Missing	Excavate	None	Unnotched	Unstemmed

## APPENDIX B

### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Hide-wet	None	None	W(g)	Overall Size	Stem Size	Morphological Attributes	Damaged	None	Unnotched	Unstemmed
23PO370	1-65		None	None	17.4	5.0	3.3	0.8	0.0	Missing	Damaged	Unstemmed
23PO371	1-1	None	None	None	1.1	3.0	1.4	0.3	0.9	1.4	Damaged	Parallel
23PO371	1-2	Hide-wet	None	None	38.4	5.5	4.4	1.5	0.0	0.0	Excavate	Unstemmed
23PO371	1-3	None	None	None	5.5	0.0	0.0	0.0	0.0	0.0	Rounded	Unstemmed
23PO372	1-1	None	None	None	7.3	4.1	3.0	0.6	1.3	1.8	Pointed	Contracting
23PO372	1-2	None	None	None	8.3	4.5	3.2	0.7	1.4	1.8	Missing	Contracting
23PO372	1-3	None	None	None	14.2	4.2	4.5	0.9	0.0	0.0	Missing	Unstemmed
23PO372	1-4	None	None	None	24.0	0.0	0.0	0.0	0.0	0.0	Missing	Unstemmed
23PO373	1-1	None	None	None	297.7	0.0	0.0	0.0	0.0	0.0	Missing	Unstemmed
23PO373	1-2	None	None	None	71.9	0.0	0.0	0.0	0.0	0.0	Missing	Unstemmed
23PO373	1-6	None	None	None	14.4	0.0	0.0	0.0	0.0	0.0	Missing	Unstemmed
23PO373	1-9	None	None	None	9.8	6.0	2.3	0.9	1.5	1.5	Pointed	Expanding
23PO373	1-10	None	None	Impact fracture	3.1	3.1	1.5	0.5	1.4	1.4	Missing	Expanding
23PO373	1-11	None	None	Impact fracture	6.5	3.0	2.7	0.8	1.1	0.0	Missing	Expanding
23PO373	1-12	None	None	None	1.8	1.7	1.7	0.6	1.7	1.5	Missing	Expanding
23PO373	1-13	None	None	None	1.0	1.3	1.6	0.4	1.3	1.6	Missing	Expanding
23PO373	1-14	None	None	Impact fracture	1.4	1.8	1.3	0.6	0.0	1.3	Missing	Expanding
23PO373	1-15	None	None	None	6.2	3.9	2.5	0.7	1.2	1.3	Missing	Expanding
23PO373	1-16	None	None	Impact fracture	3.7	3.1	1.6	0.7	1.0	1.4	Missing	Expanding
23PO373	1-17	None	None	None	22.3	3.8	5.0	1.1	1.6	2.7	Missing	Expanding
23PO373	1-18	None	None	None	3.8	2.5	2.9	0.6	1.2	2.0	Missing	Parallel
23PO373	1-19	None	None	None	3.2	3.2	1.7	0.7	0.7	1.1	Pointed	Parallel
23PO373	1-20	None	None	None	7.3	3.5	3.0	0.6	1.0	2.2	Missing	Expanding
23PO373	1-21	None	None	Impact fracture	10.3	5.9	2.3	0.7	1.7	1.5	Missing	Expanding
23PO373	1-22	None	None	None	3.6	3.3	2.1	0.6	1.0	1.6	Pointed	Contracting
23PO373	1-23	Hide-wet	None	None	9.4	4.8	3.3	0.6	0.0	1.8	Missing	Expanding
23PO373	1-24	None	None	Perforating	1.8	1.4	2.5	0.4	0.0	0.0	Missing	Contracting
23PO373	1-25	None	None	Perforating	1.3	3.1	0.8	0.3	0.0	0.0	Pointed	Unstemmed
23PO373	1-26	None	None	None	2.2	1.8	2.1	0.7	0.5	2.1	Missing	Unstemmed
23PO373	1-27	None	None	None	11.7	3.9	5.2	0.8	1.2	0.0	Missing	Expanding
23PO373	1-28	None	None	Impact fracture	11.3	3.5	3.5	0.7	0.0	3.1	Missing	Expanding
23PO373	1-29	None	None	None	6.5	4.0	2.9	0.6	0.9	2.2	Missing	Expanding
23PO373	1-30	None	None	None	3.6	3.3	2.2	0.4	0.0	0.0	Missing	Unstemmed
23PO373	1-31	None	None	None	37.2	7.8	4.2	1.1	0.0	0.0	Pointed	Unstemmed
23PO373	1-32	None	None	None	13.3	5.7	3.3	0.7	0.0	0.0	Missing	Unstemmed

## APPENDIX B

### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Wt(g)	Overall Size	Stem Size	Morphological Attributes	Unnotched	Unstemmed
23PO373	1-33	0.8	2.4 1.0 0.3	0.0 0.0	Rounded	Excavate	Unstemmed
23PO373	1-34	18.2	4.0 3.6 1.0	0.7 2.3	Missing	Damaged	Parallel
23PO373	1-35	10.1	3.4 3.8 0.8	1.3 2.4	Missing	Missing	Parallel
23PO373	1-36	8.5	5.1 3.2 0.5	0.0 0.0	Rounded	Excavate	Unstemmed
23PO373	1-37	16.3	4.8 3.7 0.7	0.0 0.0	Rounded	Excavate	Unstemmed
23PO373	1-38	5.8	0.0 0.0 0.0	0.0 0.0	Missing	Missing	Expanding
23PO373	1-39	11.8	3.4 3.5 0.8	1.8 2.7	Missing	Damaged	Expanding
23PO373	1-40	9.2	3.4 3.2 0.7	1.3 3.2	Missing	Damaged	Expanding
23PO373	1-41	14.6	2.8 4.4 1.1	0.0 0.0	Missing	Missing	Unstemmed
23PO373	1-42	5.4	2.8 2.3 0.5	0.0 0.0	Missing	Missing	Unstemmed
23PO373	1-43	20.7	5.5 4.2 0.9	0.0 0.0	Missing	Asymmetrical	Unstemmed
23PO373	1-44	17.6	4.4 3.7 1.0	1.8 2.8	Missing	Missing	Expanding
23PO373	1-45	8.4	4.1 2.5 0.8	1.6 2.4	Missing	Damaged	Expanding
23PO373	1-46	26.4	5.2 4.3 1.1	0.0 0.0	Missing	Excavate	Unstemmed
23PO373	1-47	8.5	5.0 2.3 0.7	0.0 0.0	Pointed	Excavate	Unstemmed
23PO373	1-48	86.5	7.9 6.0 2.5	0.0 0.0	Missing	Damaged	Unstemmed
23PO373	1-49	55.6	7.1 5.0 1.6	0.0 0.0	Rounded	Excavate	Unstemmed
23PO373	1-50	1.3	2.3 1.4 0.4	0.0 0.0	Rounded	Excavate	Unstemmed
23PO373	1-51	2.0	1.2 2.5 0.5	0.7 2.3	Missing	Missing	Expanding
23PO373	1-52	5.5	2.7 1.8 1.1	0.7 0.0	Missing	Missing	Parallel
23PO373	1-53	0.6	1.4 1.1 0.3	0.6 0.8	Missing	Damaged	Expanding
23PO373	1-54	0.6	1.9 1.1 0.4	0.5 0.7	Missing	Incurvate	Expanding
23PO373	1-55	1.2	2.4 1.2 0.4	0.6 1.0	Missing	Damaged	Expanding
23PO373	1-56	1.0	2.1 1.3 0.4	0.6 0.9	Missing	Incurvate	Expanding
23PO373	1-57	0.6	2.0 1.1 0.3	0.6 1.0	Missing	Incurvate	Expanding
23PO373	1-58	0.7	1.4 1.1 0.3	0.6 0.7	Missing	Damaged	Expanding
23PO373	1-59	0.6	1.7 1.2 0.3	0.5 0.6	Missing	Damaged	Expanding
23PO373	1-60	0.5	1.6 1.0 0.3	0.6 0.8	Missing	Damaged	Expanding
23PO373	1-61	0.5	1.6 0.8 0.3	0.6 0.8	Missing	Damaged	Expanding
23PO373	1-62	0.3	1.5 0.9 0.2	0.5 0.7	Pointed	Incurvate	Expanding
23PO373	1-63	0.8	2.5 1.0 0.4	0.8 0.8	Missing	Damaged	Expanding
23PO373	1-64	1.1	3.0 1.1 0.4	0.7 0.0	Pointed	Asymmetrical	Expanding
23PO373	1-65	0.4	1.3 1.0 0.4	0.7 0.0	Missing	Missing	Expanding
23PO373	1-66	2.4	0.0 0.0 0.0	0.0 0.0	Missing	Damaged	Missing
23PO373	1-67	0.2	1.4 0.8 0.1	0.0 0.0	Missing	Damaged	Missing



## APPENDIX B

### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Wgt	Overall Size	Stem Size	Morphological Attributes	None	Barbed	Square	Triangle	Pointed	Rectangular	Other	Unstemmed
23PO376	1-5	20.8	0.0	0.0	0.0	0.0	Missing	Damaged	None	Unstemmed	Unstemmed	Unstemmed	Unstemmed
23PO376	1-6	30.6	0.0	0.0	0.0	0.0	Missing	Damaged	None	Unstemmed	Unstemmed	Unstemmed	Unstemmed
23PO376	1-7	46.0	0.0	0.0	0.0	0.0	Missing	Damaged	None	Unstemmed	Unstemmed	Unstemmed	Unstemmed
23PO377	1-1	550.9	0.0	0.0	0.0	0.0	Missing	Damaged	None	Unstemmed	Unstemmed	Unstemmed	Unstemmed
23PO377	1-2	174.7	0.0	0.0	0.0	0.0	Missing	Damaged	None	Unstemmed	Unstemmed	Unstemmed	Unstemmed
23PO377	1-3	10.2	0.0	0.0	0.0	0.0	Missing	Damaged	None	Unstemmed	Unstemmed	Unstemmed	Unstemmed
23PO377	1-4	4.4	0.0	0.0	0.0	0.0	Missing	Missing	Corner	Missing	Missing	Missing	Missing
23PO377	1-6	68.3	7.8	5.3	1.7	0.0	Excavate	Straight	None	Excavate	Excavate	Excavate	Excavate
23PO377	1-7	99.8	110.2	5.4	2.0	0.0	0.0	Excavate	None	Excavate	Excavate	Excavate	Excavate
23PO377	1-8	187.0	11.9	7.3	2.0	0.0	0.0	Excavate	None	Excavate	Excavate	Excavate	Excavate
23PO377	1-9	153.1	9.6	5.0	2.4	0.0	0.0	Excavate	None	Excavate	Excavate	Excavate	Excavate
23PO377	1-10	137.0	8.1	4.1	2.0	0.0	0.0	Excavate	None	Excavate	Excavate	Excavate	Excavate
23PO377	1-11	104.2	8.7	5.4	2.2	0.0	0.0	Excavate	None	Excavate	Excavate	Excavate	Excavate
23PO377	1-12	92.9	9.3	5.5	1.9	1.2	2.7	Missing	Barbed	Barbed	Barbed	Barbed	Barbed
23PO377	1-13	25.2	5.0	4.4	1.0	1.3	2.3	Missing	Barbed	Barbed	Barbed	Barbed	Barbed
23PO377	1-14	16.8	2.8	4.9	1.0	0.0	0.0	Missing	Barbed	Barbed	Barbed	Barbed	Barbed
23PO377	1-15	18.8	6.7	3.3	0.9	1.3	2.2	Pointed	Square	Square	Square	Square	Square
23PO377	1-16	6.1	4.3	2.5	6.6	1.0	1.7	Pointed	Square	Square	Square	Square	Square
23PO377	1-17	7.0	4.0	2.4	0.7	1.1	1.5	Missing	Square	Square	Square	Square	Square
23PO377	1-18	10.1	6.7	2.5	0.6	0.0	0.0	Pointed	Square	Square	Square	Square	Square
23PO377	1-19	2.0	2.3	2.3	0.4	0.9	1.2	Rounded	Square	Square	Square	Square	Square
23PO377	1-20	11.2	4.8	3.3	0.7	2.0	2.8	Missing	Square	Square	Square	Square	Square
23PO377	1-21	7.9	4.6	2.9	0.7	2.1	2.0	Pointed	Square	Square	Square	Square	Square
23PO377	1-22	7.5	3.5	3.2	0.6	1.6	2.1	Missing	Square	Square	Square	Square	Square
23PO377	1-23	13.0	5.7	2.7	0.8	1.5	1.9	Pointed	Square	Square	Square	Square	Square
23PO377	1-24	8.2	5.7	2.2	0.7	1.5	1.9	Pointed	Square	Square	Square	Square	Square
23PO377	1-25	6.9	2.9	3.3	0.8	1.4	2.1	Missing	Square	Square	Square	Square	Square
23PO377	1-26	10.7	3.8	3.1	0.8	1.7	3.2	Missing	Square	Square	Square	Square	Square
23PO377	1-27	4.2	2.3	2.3	0.6	1.3	2.3	Missing	Square	Square	Square	Square	Square
23PO377	1-28	6.7	3.0	2.5	0.8	0.0	0.0	Missing	Square	Square	Square	Square	Square
23PO377	1-29	2.4	2.5	1.8	0.5	1.0	1.6	Missing	Square	Square	Square	Square	Square
23PO377	1-30	1.3	1.4	1.9	0.4	0.7	1.0	Missing	Square	Square	Square	Square	Square
23PO377	1-31	13.0	3.1	4.2	1.0	1.2	2.4	Missing	Square	Square	Square	Square	Square
23PO377	1-32	7.8	4.2	2.8	0.6	1.0	2.6	Pointed	Square	Square	Square	Square	Square
23PO377	1-33	8.7	3.6	2.2	0.8	1.0	2.2	Missing	Square	Square	Square	Square	Square

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	W(g)	Overall Size	Stem Size	Morphological Attributes	Missing	Corner	Expanding
23PO377	1-34	9.4	3.0 3.2	0.9 1.6	3.0 Missing	Missing	Corner	Expanding
23PO377	1-35	6.0	3.3 2.9	0.7 1.5	2.9 Missing	Damaged	Corner	Expanding
23PO377	1-36	5.2	2.5 3.0	0.6 1.0	0.0 Missing	Damaged	Corner	Expanding
23PO377	1-37	15.5	3.9 3.4	1.0 1.4	1.9 Missing	Missing	Corner removed	Parallel
23PO377	1-38	5.6	3.5 2.4	0.7 0.7	1.2 Pointed	Excavate	Basal	Parallel
23PO377	1-39	9.1	4.6 2.6	0.7 0.9	0.0 Missing	Damaged	Side	Expanding
23PO377	1-40	1.3	2.6 1.2	0.5 0.7	0.9 Pointed	Straight	Corner	Expanding
23PO377	1-41	0.9	2.6 1.2	0.4 0.6	0.7 Pointed	Straight	Corner	Expanding
23PO377	1-42	0.7	2.1 1.0	0.4 0.6	0.8 Pointed	Excavate	Side	Expanding
23P7	1-43	1.1	2.7 1.3	0.3 0.0	0.0 Missing	Lanceolate	Unnotched	Unstemmed
23PO377	1-44	0.3	1.3 0.9	0.3 0.0	0.0 Missing	Damaged	Unnotched	Missing
23PO377	1-47	17.1	5.3 2.9	1.2 0.0	0.0 Rounded	Excavate	Unnotched	Unstemmed
23PO377	1-48	40.8	7.5 5.2	0.9 0.0	0.0 Rounded	Excavate	Unnotched	Unstemmed
23PO377	1-49	35.9	8.0 4.4	0.9 0.0	0.0 Pointed	Lanceolate	Unnotched	Unstemmed
23PO377	1-50	46.3	0.0 0.0	0.0 0.0	0.0 Missing	Missing	Unnotched	Unstemmed
23PO377	1-51	13.7	4.3 2.2	1.2 0.0	0.0 Rounded	Excavate	Unnotched	Unstemmed
23PO377	1-52	9.8	3.0 2.4	0.8 0.0	0.0 Rounded	Asymmetrical	Unnotched	Unstemmed
23PO377	1-53	61.5	7.0 4.3	1.1 0.0	0.0 Rounded	Excavate	Unnotched	Unstemmed
23PO377	1-54	40.7	6.3 5.2	1.1 0.0	0.0 Rounded	Excavate	Unnotched	Unstemmed
23PO378	1-1	91.6	0.0 0.0	0.0 0.0	0.0 Missing	Damaged	Unnotched	Unstemmed
23PO378	1-2	5.3	2.5 3.3	0.5 1.0	2.1 Missing	Missing	Corner	Expanding
23PO378	1-3	2.9	2.2 2.1	0.4 0.0	0.0 Missing	Missing	Unnotched	Unstemmed
23PO378	1-4	4.6	2.3 2.1	0.8 1.5	2.1 Missing	Missing	Corner	Expanding
23PO378	1-5	4.2	2.9 2.2	0.5 0.0	0.0 Missing	Damaged	Unnotched	Unstemmed
23PO379	1-1	12.0	4.9 3.4	0.8 1.3	3.0 Missing	Damaged	Corner	Expanding
23PO379	1-2	10.1	2.8 4.2	0.9 1.3	2.5 Missing	Damaged	Corner	Expanding
23PO379	1-3	6.6	2.5 2.9	0.8 1.5	2.8 Missing	Missing	Side	Expanding
23PO379	1-4	3.0	2.1 1.9	0.6 0.0	0.0 Missing	Missing	Unnotched	Expanding
23PO379	1-5	25.1	0.0 0.0	0.0 0.0	0.0 Missing	Damaged	Unnotched	Unstemmed
23PO380	1-1	2.9	1.9 2.1	0.6 0.0	0.0 Missing	Missing	Unnotched	Parallel
23PO380	1-2	16.0	5.4 3.3	0.9 1.3	2.4 Missing	Excavate	Corner	Expanding
23PO380	1-3	15.1	3.1 4.4	1.1 1.3	2.4 Missing	Excavate	Corner	Expanding
23PO380	1-4	5.6	2.2 2.8	0.7 1.2	2.0 Missing	Missing	Corner	Expanding
23PO380	1-5	3.5	2.2 2.4	0.6 0.9	1.4 Missing	Damaged	Corner removed	Expanding
23PO380	1-6	18.4	4.2 4.0	0.9 1.2	0.0 Missing	Damaged	Basal	Parallel



APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	None	None	None	None	None	W(g)	Overall Size	Stem Size	Morphological Attributes	Barbed	Basal	Parallel				
23PO381	1-26	None	None	None	None	None	9.3	4.0	3.8	1.2	1.6	1.8	Missing	Excavate	Barbed	Basal	Parallel
23PO381	1-27	None	None	None	None	None	3.0	3.1	1.7	0.6	1.1	1.6	Pointed	Straight	Sloping	Side	Expanding
23PO381	1-28	None	None	Impact fracture	None	None	2.8	2.9	1.7	0.6	0.7	1.4	Pointed	Damaged	Barbed	Corner	Expanding
23PO381	1-29	None	None	Impact fracture	None	None	2.2	2.5	1.9	0.6	1.1	1.4	Rounded	Excavate	Horizontal	Corner removed	Expanding
23PO381	1-30	None	None	None	None	None	2.8	2.1	2.0	0.6	0.9	1.3	Missing	Missing	Barbed	Corner	Expanding
23PO381	1-31	None	None	None	None	None	3.1	2.4	2.2	0.5	0.9	0.0	Missing	Damaged	Square	Corner removed	Parallel
23PO381	1-32	None	None	None	None	None	10.1	3.1	3.2	1.0	0.8	1.5	Missing	Damaged	Square	Basal	Parallel
23PO381	1-33	None	None	None	None	None	6.8	3.6	2.5	0.8	1.5	1.3	Missing	Excavate	Square	Corner removed	Parallel
23PO381	1-34	None	None	None	None	None	12.3	5.2	3.1	0.7	0.0	0.0	Missing	Excavate	Square	Corner	Missing
23PO381	1-35	None	None	None	None	None	11.4	3.0	3.5	1.0	0.0	0.0	Missing	Damaged	Barbed	Corner	Missing
23PO381	1-36	None	None	Perforating	None	None	5.3	4.3	2.6	0.6	0.0	0.0	Missing	Damaged	None	Side	Unstemmed
23PO381	1-37	None	None	Impact fracture	None	None	0.6	1.9	1.2	0.3	0.0	0.0	Missing	Straight	None	Side	Unstemmed
23PO381	1-38	None	None	None	None	None	0.5	1.9	0.9	0.3	0.0	0.0	Pointed	Straight	None	Side	Unstemmed
23PO381	1-39	None	None	None	None	None	0.6	1.8	1.1	0.3	0.0	0.0	Pointed	Straight	None	Side	Unstemmed
23PO381	1-40	None	None	None	None	None	0.6	2.4	1.1	0.3	0.0	0.0	Pointed	Excavate	None	Side	Unstemmed
23PO381	1-41	None	None	None	None	None	2.0	3.1	1.4	0.5	0.6	1.0	Pointed	Straight	Square	Unnotched	UL-stemmed
23PO381	1-42	None	None	None	None	None	0.6	2.2	1.0	0.4	0.6	0.7	Pointed	Straight	Barbed	Corner	Expanding
23PO381	1-43	None	None	None	None	None	0.5	2.1	0.9	0.3	0.6	0.9	Pointed	Straight	Barbed	Corner	Expanding
23PO381	1-44	None	None	None	None	None	0.8	3.0	1.0	0.5	0.6	0.6	Pointed	Straight	Square	Corner	Expanding
23PO381	1-45	None	None	None	None	None	0.4	1.5	1.0	0.3	0.5	0.6	Missing	Recurved	Barbed	Corner removed	Expanding
23PO381	1-46	None	None	None	None	None	0.6	1.5	1.2	0.4	0.6	1.0	Missing	Straight	Barbed	Corner	Expanding
23PO381	1-47	None	None	None	None	None	1.0	1.8	1.5	0.4	0.7	0.9	Missing	Straight	Barbed	Corner	Expanding
23PO381	1-48	None	None	None	None	None	0.6	2.0	1.2	0.4	0.6	0.8	Pointed	Excavate	Square	Corner	Expanding
23PO381	1-49	None	None	None	None	None	0.7	2.4	1.2	0.3	0.6	0.8	Pointed	Straight	Square	Corner	Expanding
23PO381	1-50	None	None	None	None	None	0.7	2.0	0.9	0.4	0.8	1.0	Missing	Straight	Square	Corner	Expanding
23PO381	1-51	None	None	None	None	None	1.4	2.0	1.5	0.5	0.5	0.0	Missing	Damaged	Square	Corner	Expanding
23PO381	1-52	None	None	None	None	None	0.8	1.9	1.2	0.3	0.0	0.0	Missing	Straight	Barbed	Corner	Expanding
23PO381	1-53	None	None	None	None	None	1.0	2.9	1.1	0.4	0.0	0.0	Pointed	Excavate	Barbed	Corner	Missing
23PO381	1-54	None	None	None	None	None	0.6	1.5	1.1	0.3	0.0	0.0	Pointed	Excavate	Square	Missing	Missing
23PO382	1-1	None	None	Impact fracture	None	None	12.1	4.9	3.3	0.7	1.6	1.9	Missing	Straight	Square	Corner removed	Contracting
23PO382	1-2	None	None	None	None	None	14.2	0.0	0.0	0.0	0.0	0.0	Pointed	Excavate	Square	Missing	Missing
23PO382	1-3	None	None	None	None	None	6.8	2.2	3.8	0.7	0.0	0.0	Missing	Damaged	Missing	Missing	Missing
23PO382	1-4	None	None	None	None	None	51.8	5.3	6.3	1.2	0.0	0.0	Missing	Missing	None	Unnotched	Unstemmed
23PO382	1-5	None	None	None	None	None	22.6	4.4	4.1	1.0	0.0	0.0	Rounded	Excavate	None	Unnotched	Missing
23PO382	1-6	Wood	None	None	None	None	14.2	3.5	4.0	1.0	0.0	0.0	Rounded	Excavate	None	Unnotched	Unstemmed

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	W(g)	Overall Size	Stem Size	Morphological Attributes	Barbed	Bezel	Parallel
23PO382	1-7	16.6	4.7 4.1	0.9 1.3	2.1 Missing	Barbed	Bezel	Parallel
23PO382	1-8	4.7	3.4 2.7	0.6 1.1	1.5 Missing	Square	Corner removed	Parallel
23PO382	1-9	10.5	5.0 3.1	0.8 0.6	1.8 Rounded	Damaged	Unknown	Parallel
23PO383	1-1	909.3	0.0 0.0	0.0 0.0	N/A	N/A	N/A	N/A
23PO383	1-2	63.3	0.0 0.0	0.0 0.0	0.0 Missing	None	Missing	Missing
23PO383	1-3	55.4	0.0 0.0	0.0 0.0	0.0 Rounded	None	N/A	Missing
23PO383	1-4	175.7	8.6 7.0	2.6 0.0	0.0 None	None	Unnotched	Unstemmed
23PO383	1-5	31.7	6.8 5.0	0.9 0.0	0.0 Missing	None	Unnotched	Unstemmed
23PO383	1-6	13.3	3.6 3.0	1.0 0.0	0.0 Rounded	None	Unnotched	Unstemmed
23PO383	1-7	19.5	4.3 5.3	0.8 0.0	0.0 Missing	None	Unnotched	Unstemmed
23PO383	1-8	21.5	3.8 4.2	1.0 0.0	0.0 Missing	None	Unnotched	Unstemmed
23PO383	1-9	3.3	3.1 2.0	0.5 0.0	0.0 Missing	None	Missing	Missing
23PO383	1-10	10.0	4.7 2.7	0.9 0.0	0.0 Missing	None	Unnotched	Unstemmed
23PO383	1-11	10.2	3.8 3.4	0.7 1.2	2.8 Rounded	Square	Side	Expanding
23PO383	1-12	9.1	3.5 3.7	0.7 1.4	0.0 Missing	Barbed	Corner	Lobed
23PO383	1-13	4.8	2.2 2.8	0.8 1.1	1.6 Missing	Barbed	Corner	Expanding
23PO383	1-14	4.8	2.7 2.8	0.7 1.0	1.7 Missing	Barbed	Corner	Expanding
23PO383	1-15	4.7	3.5 2.4	0.5 1.0	1.6 Missing	Barbed	Corner	Expanding
23PO383	1-16	3.7	3.4 2.4	0.5 0.9	1.5 Missing	Barbed	Corner	Expanding
23PO383	1-17	2.2	22.2 1.9	0.5 0.9	1.4 Missing	Barbed	Corner	Expanding
23PO383	1-18	2.7	2.8 2.0	0.5 0.8	1.4 Missing	Barbed	Corner	Expanding
23PO383	1-19	1.7	2.2 1.3	0.5 0.8	1.5 Missing	Barbed	Corner	Expanding
23PO383	1-20	2.3	2.0 2.3	0.5 0.8	1.3 Missing	Barbed	Corner	Expanding
23PO383	1-21	2.2	2.7 2.2	0.5 0.8	1.4 Pointed	Barbed	Corner	Expanding
23PO383	1-22	2.4	2.4 2.0	0.4 0.7	1.3 Missing	Missing	Corner	Expanding
23PO383	1-23	2.3	2.5 1.8	0.5 0.8	1.1 Missing	Barbed	Corner	Expanding
23PO383	1-24	2.0	2.6 1.7	0.5 0.8	1.2 Pointed	Barbed	Corner	Expanding
23PO383	1-25	33.3	2.3 2.3	0.5 0.8	1.6 Missing	Barbed	Corner	Expanding
23PO383	1-26	2.2	2.2 2.2	0.4 0.8	1.3 Missing	Barbed	Corner	Expanding
23PO383	1-27	2.5	2.7 1.8	0.5 0.8	1.6 Missing	Barbed	Corner	Expanding
23PO383	1-28	2.2	2.7 1.3	0.5 0.8	1.5 Missing	Missing	Corner	Expanding
23PO383	1-29	1.9	2.0 1.6	0.5 0.9	1.3 Missing	Missing	Corner	Parallel
23PO383	1-30	1.6	1.7 2.2	0.4 0.7	1.1 Missing	Barbed	Corner	Expanding
23PO383	1-31	2.2	1.4 2.8	0.6 0.0	0.0 Missing	Barbed	Corner	Missing
23PO383	1-32	0.7	2.0 1.3	0.0 0.7	0.0 Pointed	Barbed	Corner	Expanding

## APPENDIX B

### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Wt(g)	Overall Size	Stem Size	Morphological Attributes	Barbed	Corner	Expanding				
23PO383	1-33	1.1	2.7	1.2	0.4	0.0	0.8	Pointed	Straight	Barbed	Corner	Expanding
23PO383	1-34	7.9	3.7	2.6	0.7	0.0	1.7	Missing	Damaged	Sloping	Corner removed	Contracting
23PO383	1-35	8.2	3.7	2.7	0.8	1.7	2.1	Broad	Straight	Missing	Unknown	Parallel
23PO383	1-36	2.2	1.9	1.9	0.5	1.0	1.9	Missing	Straight	Missing	Unknown	Parallel
23PO383	1-37	6.3	2.4	3.1	0.7	0.0	0.0	Missing	Missing	Missing	Unknown	Excavate
23PO383	1-38	3.0	4.8	3.2	0.8	0.0	0.0	Missing	Damaged	Damaged	Unknown	Damaged
23PO383	1-39	14.8	5.3	2.7	1.0	0.0	0.0	Missing	Damaged	Barbed	Basal	Damaged
23PO383	1-40	12.2	3.1	3.5	1.0	1.2	2.2	Missing	Damaged	Square	Unnotched	Parallel
23PO383	1-41	8.9	3.9	2.4	0.9	1.1	1.6	Missing	Damaged	Barbed	Basal	Parallel
23PO383	1-42	10.1	3.2	3.2	0.9	1.2	0.0	Missing	Damaged	Square	Corner removed	Parallel
23PO383	1-43	15.7	0.0	0.0	0.0	0.0	0.0	Missing	Missing	Missing	Corner	Damaged
23PO383	1-44	3.0	3.1	1.8	0.5	0.0	0.0	Missing	Straight	Damaged	Corner	Missing
23PO383	1-45	17.8	4.6	3.5	1.0	0.0	0.0	Rounded	Excavate	None	Unnotched	Unstemmed
23PO383	1-46	7.9	4.2	2.1	1.0	0.0	0.0	Rounded	Excavate	None	Unnotched	Unstemmed
23PO383	1-47	19.6	6.3	3.0	1.1	0.0	0.0	Rounded	Asymmetrical	None	Unnotched	Unstemmed
23PO383	1-48	16.3	3.7	3.4	1.0	1.4	2.6	Rounded	Excavate	None	Unnotched	Parallel
23PO383	1-49	5.6	2.6	3.3	0.5	0.0	0.0	N/A	N/A	N/A	N/A	N/A
23PO384	1-1	34.8	8.5	3.4	1.0	0.0	0.0	Rounded	Asymmetrical	None	Unnotched	Unstemmed
23PO384	1-2	11.3	3.9	3.3	0.8	1.3	2.7	Rounded	Asymmetrical	Sloping	Corner	Expanding
23PO384	1-3	5.7	2.8	3.4	0.5	1.3	2.0	Missing	Damaged	Barbed	Basal	Expanding
23PO384	1-4	8.4	3.2	3.5	0.9	0.0	0.0	Rounded	Excavate	Missing	Unnotched	Missing
23PO385	1-1	20.7	5.9	4.2	0.8	1.4	3.0	Missing	Damaged	Damaged	Corner	Expanding
23PO385	1-2	13.9	0.0	0.0	0.0	0.0	0.0	Pointed	Excavate	None	Unnotched	Unstemmed
23PO385	1-3	2.4	1.5	2.7	0.7	1.0	2.6	Missing	Missing	Missing	Corner	Expanding
23PO385	1-4	28.2	0.0	0.0	0.0	0.0	0.0	Missing	Damaged	None	Unnotched	Unstemmed
23PO385	1-5	7.5	4.3	2.9	0.8	0.0	0.0	Missing	Straight	None	Unnotched	Unstemmed
23PO385	1-6	46.5	4.6	6.1	1.5	0.0	0.0	Missing	Damaged	None	Unnotched	Unstemmed
23PO386	1-1	10.9	4.1	3.1	0.6	1.5	3.1	Missing	Excavate	Rounded	Basal	Expanding
23PO386	1-2	16.3	5.1	3.5	0.7	1.7	2.6	Missing	Damaged	Barbed	Basal	Expanding
23PO386	1-3	8.8	2.8	3.3	0.9	1.2	0.0	Missing	Missing	Missing	Side	Expanding
23PO386	1-5	17.7	0.0	0.0	0.0	0.0	0.0	Rounded	Damaged	None	Unnotched	Unstemmed
23PO386	1-6	16.0	0.0	0.0	0.0	0.0	0.0	Missing	Damaged	None	Missing	Missing
23PO387	1-1	7.8	3.6	2.3	0.8	1.8	1.8	Missing	Missing	Missing	Corner removed	Contracting
23PO387	1-2	27.4	0.0	0.0	0.0	0.0	0.0	Missing	Damaged	None	Unnotched	Unstemmed
23PO387	1-4	5.1	22.4	3.4	0.6	0.0	0.0	Rounded	Excavate	None	Unnotched	Unstemmed

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	None	Wt(g)	Overall Size	Stem Size	Morphological Attributes	None	Unnotched	Unstemmed
23PO388	1-1	None	180.3	0.0 0.0	0.0 0.0	Damaged	None	Unnotched	Unstemmed
23PO388	1-2	None	62.3	0.0 0.0	0.0 0.0	Missing	None	Unnotched	Unstemmed
23PO388	1-3	None	13.6	3.8 4.2	0.9 1.2	Incurvate	Barbed	Corner	Expanding
23PO388	1-4	None	10.3	0.0 0.0	0.0 0.0	Damaged	None	Unnotched	Unstemmed
23PO388	1-5	Impact fracture	4.2	2.5 2.5	0.7 1.0	Damaged	Barbed	Corner	Expanding
23PO388	1-6	None	26.9	0.0 0.0	0.0 0.0	Damaged	None	Unnotched	Unstemmed
23PO388	1-7	None	6.5	2.3 2.6	0.7 1.4	Missing	Missing	Corner	Expanding
23PO388	1-8	None	1.9	2.1 1.6	0.5 0.9	Damaged	Missing	Corner	Expanding
23PO388	1-9	None	9.1	3.6 3.1	0.8 0.0	Damaged	Missing	Corner	Expanding
23PO388	1-10	None	3.9	2.1 3.0	0.5 0.9	Damaged	Square	Corner	Expanding
23PO388	1-11	None	2.9	2.4 2.2	0.6 1.2	Damaged	Barbed	Corner	Expanding
23PO388	1-12	None	13.9	5.5 3.0	0.7 1.7	Recurved	Sloping	Corner removed	Contracting
23PO388	1-13	None	14.2	4.8 2.5	1.3 0.0	Excavate	None	Unnotched	Unstemmed
23PO388	1-14	None	0.7	2.2 1.2	0.3 0.6	Excavate	Barbed	Corner	Expanding
23PO388	1-15	None	1.1	2.3 1.3	0.3 0.6	Asymmetrical	Barbed	Corner	Expanding
23PO389	1-1	None	7.7	3.6 2.9	0.5 1.5	Straight	Square	Corner removed	Contracting
23PO389	1-2	None	14.6	5.4 3.6	0.9 1.6	Asymmetrical	Sloping	Corner removed	Contracting
23PO389	1-3	None	7.0	4.8 2.3	0.6 1.5	Excavate	Sloping	Corner removed	Contracting
23PO389	1-4	None	4.2	3.1 2.5	0.5 1.0	Straight	Barbed	Corner	Expanding
23PO389	1-5	None	7.7	3.9 2.8	0.8 0.0	Incurvate	Sloping	Corner removed	Missing
23PO389	1-6	None	17.8	0.0 0.0	0.0 0.0	Damaged	None	Unnotched	Unstemmed
23PO389	1-7	None	10.1	0.0 0.0	0.0 0.0	Damaged	None	Unnotched	Unstemmed
23PO390	1-1	None	20.6	6.7 4.2	0.9 0.0	Asymmetrical	None	Unnotched	Unstemmed
23PO390	1-2	None	87.5	0.0 0.0	0.0 0.0	Damaged	None	Unnotched	Unstemmed
23PO390	1-3	None	5.9	3.2 3.0	0.7 0.0	Asymmetrical	None	Unnotched	Unstemmed
23PO391	1-1	None	5.7	3.1 3.3	0.7 0.6	Incurvate	Barbed	Basal	Expanding
23PO391	1-2	None	77.5	0.0 0.0	0.0 0.0	Damaged	None	Unnotched	Unstemmed
23PO391	1-3	None	3.7	3.2 2.0	0.5 0.9	Excavate	Square	Side	Expanding
23PO391	1-4	None	3.9	3.0 3.2	0.6 1.0	Damaged	Square	Corner	Expanding
23PO391	1-5	None	2.5	2.0 1.8	0.6 0.8	Missing	Sloping	Side	Expanding
23PO391	1-6	None	11.8	0.0 0.0	0.0 0.0	Damaged	Damaged	Unknown	Missing
23PO391	1-7	Perforating	1.0	2.3 0.9	0.4 0.0	Straight	None	Unnotched	Unstemmed
23PO394	1-5	None	424.0	0.0 0.0	0.0 0.0	Damaged	None	Unnotched	Unstemmed
23PO394	1-6	None	49.8	8.5 5.4	0.9 0.0	Excavate	None	Unnotched	Unstemmed
23PO394	1-7	None	13.8	4.3 3.1	0.9 0.0	Excavate	None	Unknown	Missing

**APPENDIX B**  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	W(g)	Overall Size	Stem Size	Morphological Attributes	None	Unnotched	Missing				
23PO394	1-8	35.5	4.9	4.6	1.2	0.0	0.0	Rounded	Excavate	None	Unnotched	Missing
23PO394	1-9	41.3	5.8	4.7	1.2	0.0	0.0	N/A	N/A	N/A	N/A	N/A
23PO394	1-10	45.2	5.9	4.7	1.9	0.0	0.0	Rounded	Excavate	None	Unnotched	Unstemmed
23PO394	1-11	85.8	0.0	0.0	0.0	0.0	0.0	Missing	Damaged	Missing	None	Missing
23PO394	1-12	70.1	0.0	0.0	0.0	0.0	0.0	Pointed	Excavate	Missing	Unknown	Missing
23PO394	1-13	15.7	5.3	2.5	1.0	0.0	0.0	Missing	Excavate	Missing	Unknown	Missing
23PO394	1-14	10.6	0.0	0.0	0.0	0.0	0.0	Missing	Excavate	Missing	Unknown	Unknown
23PO394	1-15	35.9	7.4	3.8	1.0	0.0	0.0	Rounded	Excavate	None	Unnotched	Unstemmed
23PO394	1-16	54.3	8.7	5.2	1.2	0.0	0.0	Rounded	Excavate	None	Unnotched	Unstemmed
23PO394	1-17	11.7	3.1	4.4	0.8	0.0	0.0	None	Excavate	None	None	None
23PO394	1-18	12.3	4.6	2.2	0.8	0.0	0.0	Missing	Excavate	None	None	None
23PO394	1-19	14.6	4.1	3.2	1.0	1.9	2.9	Missing	Asymmetrical	Sloping	Unnotched	Expanding
23PO394	1-20	15.9	5.0	3.3	0.8	1.3	2.7	Rounded	Excavate	Sloping	Unnotched	Expanding
23PO394	1-21	8.0	3.8	2.7	0.7	2.0	2.7	Missing	Damaged	Missing	Unnotched	Expanding
23PO394	1-22	10.6	3.5	2.8	1.0	1.7	2.5	Missing	Straight	Square	Side	Expanding
23PO394	1-23	7.1	4.3	2.4	0.5	2.0	2.0	Missing	asymmetrical	Sloping	Corner removed	Contracting
23PO394	1-24	17.1	3.5	4.1	1.1	0.0	0.0	Missing	Excavate	Sloping	Side	Expanding
23PO394	1-25	29.4	7.4	3.7	1.3	2.3	2.9	Missing	Excavate	Sloping	Unnotched	Expanding
23PO394	1-26	16.0	4.2	4.1	1.0	1.3	2.2	Damaged	Straight	Barb	Basal	Contracting
23PO394	1-27	14.9	6.6	2.8	0.9	1.6	2.0	Damaged	Recurved	Sloping	Corner removed	Contracting
23PO394	1-28	7.8	3.4	3.4	0.9	1.0	1.7	Missing	Excavate	Square	Corner removed	Expanding
23PO394	1-29	8.4	2.7	3.7	0.7	1.3	2.4	Missing	Missing	Missing	Side	Expanding
23PO394	1-30	13.0	5.9	2.8	0.9	1.3	2.2	Pointed	Asymmetrical	Sloping	Side	Expanding
23PO394	1-31	4.9	3.4	2.2	0.6	1.5	2.1	Missing	Damaged	Sloping	Side	Expanding
23PO394	1-32	3.3	2.5	1.9	0.6	0.8	1.8	Damaged	Damaged	Sloping	Side	Expanding
23PO394	1-33	5.8	3.3	2.2	0.8	1.5	2.0	Damaged	Excavate	Square	Side	Lobed
23PO394	1-34	13.4	6.4	3.2	0.8	1.4	0.0	Pointed	Excavate	Sloping	Side	Expanding
23PO394	1-35	8.1	2.9	2.6	0.7	1.2	2.7	Missing	Excavate	Sloping	Side	Expanding
23PO394	1-36	4.7	2.7	2.6	0.5	1.0	2.6	Missing	Asymmetrical	Sloping	Side	Expanding
23PO394	1-37	7.5	3.2	2.9	0.7	1.1	2.8	Damaged	Straight	Sloping	Side	Expanding
23PO394	1-38	6.7	2.2	3.0	0.8	1.7	3.1	Missing	Damaged	Sloping	Side	Expanding
23PO394	1-39	9.6	5.0	2.2	0.7	1.2	1.8	Damaged	Missing	Sloping	Side	Lobed
23PO394	1-40	7.5	3.7	3.4	0.7	1.2	0.0	Damaged	Straight	Sloping	Side	Expanding
23PO394	1-41	7.8	2.8	2.9	0.8	1.3	2.7	Missing	Damaged	Missing	Side	Expanding
23PO394	1-42	5.9	3.3	2.5	0.7	1.2	0.0	Missing	Damaged	Missing	Side	Expanding

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Wt(g)	Overall Size	Stem Size	Morphological Attributes	Square	Side	Expanding				
23PO394	1-43	3.0	3.1	1.8	0.6	1.0	1.6	Pointed	Straight	Square	Side	Expanding
23PO394	1-44	16.9	4.2	3.6	1.2	0.0	0.0	Missing	Excurvate	None	None	None
23PO394	1-45	1.4	1.7	1.8	0.5	0.5	1.5	Damaged	Excurvate	Barbed	Corner	Expanding
23PO394	1-46	3.0	2.9	1.8	0.5	0.0	0.0	Rounded	Excurvate	None	None	None
23PO394	1-47	0.8	2.0	1.3	0.4	0.8	1.1	Damaged	Straight	Barbed	Corner	Expanding
23PO394	1-48	0.8	2.4	1.1	0.3	0.6	1.0	Pointed	Straight	Square	Side	Expanding
23PO394	1-49	0.8	2.8	1.4	0.3	0.9	1.9	Pointed	Straight	Sloping	Double side	Notched
23PO394	1-50	0.8	2.7	1.1	0.3	0.7	1.1	Pointed	Excurvate	Square	Side	Expanding
23PO394	1-51	1.1	2.3	1.4	0.5	0.7	0.9	Pointed	Straight	Square	Corner	Expanding
23PO394	1-52	0.8	2.0	1.0	0.3	0.7	1.1	Pointed	Excurvate	Sloping	Side	Expanding
23PO394	1-53	0.8	1.5	1.7	0.3	0.6	0.0	Missing	Missing	Barbed	Corner	Expanding
23PO394	1-54	0.9	2.0	1.3	0.4	0.8	0.9	Missing	Damaged	Barbed	Corner	Expanding
23PO394	1-55	0.7	1.7	1.1	0.3	0.0	0.0	Damaged	Damaged	Missing	Corner	Expanding
23PO394	1-56	0.9	1.5	1.7	0.4	0.0	0.0	Missing	Damaged	Square	Corner	Damaged
23PO394	1-57	3.0	3.7	1.8	0.5	0.0	0.0	Pointed	Damaged	None	Unnotched	Unstemmed
23PO395	1-2	12.7	4.9	3.6	0.7	2.0	2.2	Missing	Excurvate	None	Unnotched	Unstemmed
23PO395	1-3	38.6	0.0	0.0	0.0	0.0	0.0	Missing	Straight	Square	Corner removed	Contracting
23PO395	1-4	67.2	0.0	0.0	0.0	0.0	0.0	Missing	Damaged	None	None	None
23PO395	1-5	21.7	0.0	0.0	0.0	0.0	0.0	Pointed	Damaged	Missing	Unknown	Missing
23PO395	1-6	5.5	5.2	3.7	0.9	1.3	2.7	Pointed	Excurvate	None	Missing	Missing
23PO395	1-7	17.3	4.5	4.2	1.2	1.7	2.3	Missing	Excurvate	Square	Corner	Expanding
23PO395	1-8	0.8	2.3	0.8	0.3	0.0	0.0	Pointed	Asymmetrical	Sloping	Corner removed	Contracting
23PO395	1-9	10.0	3.2	3.5	0.8	1.3	2.3	Missing	Excurvate	Sloping	Side	Expanding
23PO395	1-10	7.4	3.9	2.3	0.8	1.9	1.8	Missing	Excurvate	Barbed	Corner	Expanding
23PO395	1-11	10.0	5.2	3.0	0.7	1.5	1.8	Pointed	Excurvate	Sloping	Corner removed	Contracting
23PO395	1-12	14.4	4.1	3.6	0.8	1.5	2.9	Missing	Straight	Missing	Corner removed	Contracting
23PO395	1-13	6.1	2.7	2.5	0.7	1.0	2.5	Missing	Damaged	Square	Corner	Expanding
23PO395	1-14	6.0	3.6	2.2	0.7	0.7	1.7	Pointed	Damaged	Damaged	Side	Expanding
23PO395	1-15	6.2	2.6	3.0	0.7	1.0	2.0	Missing	Excurvate	Sloping	Corner removed	Expanding
23PO395	1-16	36.7	5.3	6.4	1.1	0.0	0.0	Rounded	Damaged	Barbed	Corner	Expanding
23PO395	1-17	53.0	7.3	4.1	1.9	0.0	0.0	Rounded	Excurvate	None	None	None
23PO395	1-18	63.8	7.0	5.2	1.8	0.0	0.0	Missing	Asymmetrical	None	None	None
23PO396	1-1	1.3	3.3	1.4	0.4	0.0	0.0	Pointed	Excurvate	None	Unnotched	Unstemmed
23PO396	1-2	62.4	0.0	0.0	0.0	0.0	0.0	Damaged	Straight	None	Unnotched	Unstemmed
23PO396	1-3	4.0	1.9	2.5	0.6	0.0	0.0	Missing	Damaged	None	Unnotched	Unstemmed

## APPENDIX B

### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	W(g)	Overall Size	Stem Size	Morphological Attributes	Square	Corner removed	Contracting
23PO397	1-1	None	None	None	None	None	None	None
23PO397	1-2	None	None	None	None	None	None	None
23PO397	1-3	None	None	None	None	None	None	None
23PO397	1-4	None	None	None	None	None	None	None
23PO410	1-1	None	None	None	None	None	None	None
23PO410	1-2	None	None	None	None	None	None	None
23PO411	1-1	None	None	None	None	None	None	None
23PO411	1-2	None	None	None	None	None	None	None
23PO412	1-1	None	None	None	None	None	None	None
23PO412	1-2	None	None	None	None	None	None	None
23PO412	1-3	None	None	None	None	None	None	None
23PO412	1-4	None	None	None	None	None	None	None
23PO412	1-5	None	None	None	None	None	None	None
23PO412	1-6	None	None	None	None	None	None	None
23PO412	1-7	None	None	None	None	None	None	None
23PO412	1-8	None	None	None	None	None	None	None
23PO412	1-9	None	None	None	None	None	None	None
23PO415	1-1	None	None	None	None	None	None	None
23PO415	1-2	None	None	None	None	None	None	None
23PO415	1-3	None	None	None	None	None	None	None
23PO415	1-4	None	None	None	None	None	None	None
23PO415	1-5	None	None	None	None	None	None	None
23PO415	1-6	None	None	None	None	None	None	None
23PO416	1-1	None	None	None	None	None	None	None
23PO416	1-2	None	None	None	None	None	None	None
23PO416	1-3	None	None	None	None	None	None	None
23PO416	1-4	None	None	None	None	None	None	None
23PO416	1-5	None	None	None	None	None	None	None
23PO416	1-6	None	None	None	None	None	None	None
23PO416	1-7	None	None	None	None	None	None	None
23PO416	1-8	None	None	None	None	None	None	None
23PO416	1-9	None	None	None	None	None	None	None
23PO416	1-10	None	None	None	None	None	None	None
23PO417	1-1	None	None	None	None	None	None	None
23PO417	1-2	None	None	None	None	None	None	None

## APPENDIX B

### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	W(g)	Overall Size	Stem Size	Morphological Attributes	None	Unnotched	Unstemmed				
23PO417	1-3	49.9	6.8	5.0	1.3	0.0	0.0	Missing	Damaged	None	Unnotched	Unstemmed
23PO417	1-4	42.9	4.9	5.3	1.2	0.0	0.0	Missing	Missing	None	Unnotched	Unstemmed
23PO417	1-5	20.4	5.3	4.1	0.9	0.0	0.0	Missing	Damaged	None	Unnotched	Unstemmed
23PO418	1-1	5.0	2.9	2.2	0.6	1.5	2.1	Missing	Damaged	None	Unnotched	Parallel
23PO418	1-2	8.4	3.7	3.3	0.7	0.0	0.0	Missing	Incurved	None	Unknown	Missing
23PO418	1-3	4.1	2.1	2.1	0.7	0.0	0.0	Missing	Damaged	Missing	Missing	Missing
23PO418	1-4	2.8	3.3	1.8	0.5	1.0	1.6	Missing	Damaged	Square	Side	Expanding
23PO418	1-5	2.3	2.1	1.6	0.6	0.8	1.6	Missing	Missing	Side	Side	Expanding
23PO418	1-6	24.8	0.0	0.0	0.0	0.0	0.0	Missing	Damaged	None	Unnotched	Unstemmed
23PO418	1-7	14.8	0.0	0.0	0.0	0.0	0.0	Missing	Damaged	Missing	Missing	Missing
23PO419	1-2	1.6	2.7	1.8	0.4	0.6	0.0	Damaged	Excavate	Barbed	Corner	Expanding
23PO419	1-3	7.7	44.1	2.8	0.7	2.2	2.3	Missing	Damaged	Sloping	None	Parallel
23PO419	1-4	88.1	0.0	0.0	0.0	0.0	0.0	Missing	Damaged	None	Unnotched	Unstemmed
23PO419	1-5	2.0	2.1	1.6	0.5	1.0	0.0	Missing	Damaged	Square	Corner	Expanding
23PO419	1-6	2.0	1.6	1.8	0.6	0.0	0.0	Missing	Damaged	Missing	Missing	Missing
23PO419	1-7	6.2	3.5	3.6	0.6	0.0	0.0	Pointed	excavate	Missing	Missing	Missing
23PO420	1-2	27.0	8.5	4.0	0.9	0.0	0.0	Rounded	Excavate	Missing	Missing	Missing
23PO420	1-3	14.6	8.3	2.2	0.7	0.0	0.0	Missing	Straight	None	Missing	Missing
23PO420	1-4	10.6	5.7	3.1	0.8	1.6	2.2	Pointed	Excavate	Sloping	Corner removed	Contracting
23PO420	1-5	14.4	4.6	4.3	0.8	1.3	1.5	Missing	Asymmetrical	Sloping	Corner removed	Contracting
23PO420	1-6	9.9	6.5	3.9	1.0	0.0	0.0	N/A	N/A	N/A	N/A	N/A
23PO420	1-7	123.1	0.0	0.0	0.0	0.0	0.0	Missing	Fragment	None	Unnotched	Unstemmed
23PO420	1-8	9.9	4.2	3.0	0.7	0.0	0.0	Rounded	Excavate	Barbed	Corner	Expanding
23PO420	1-9	11.8	5.7	3.0	0.7	0.0	0.0	Pointed	Damaged	Damaged	Missing	Missing
23PO420	1-10	10.3	3.0	4.6	0.7	0.0	0.0	Missing	Missing	None	Unnotched	Unstemmed
23PO420	1-11	0.9	1.8	1.4	0.4	0.0	0.0	Missing	Incurved	Square	Corner	Expanding
23PO420	1-12	1.0	2.6	1.2	0.4	0.7	0.8	Pointed	Straight	Square	Corner	Expanding
23PO421	1-1	27.1	8.8	4.1	0.9	1.5	2.3	Pointed	Excavate	Barbed	Basal	Parallel
23PO421	1-2	24.3	7.9	3.4	0.5	1.1	1.9	Pointed	Excavate	Barbed	Basal	Parallel
23PO421	1-3	15.3	0.0	0.0	0.0	0.0	0.0	Damaged	Damaged	Missing	Missing	Missing
23PO421	1-4	13.7	2.4	5.0	1.0	0.0	0.0	Missing	Damaged	None	Unnotched	Unstemmed
23PO422	1-1	261.7	12.8	6.3	3.8	0.0	0.0	Rounded	Asymmetrical	None	Unnotched	Unstemmed
23PO422	1-3	13.9	4.1	4.2	0.8	1.2	3.1	Missing	Excavate	Barbed	Corner	Expanding
23PO422	1-4	117.8	0.0	0.0	0.0	0.0	0.0	Damaged	Excavate	None	Unnotched	Unstemmed
23PO422	1-5	58.6	0.0	0.0	0.0	0.0	0.0	Rounded	Excavate	Missing	Missing	Missing

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Impact fracture	W(g)	Overall Size	Stem Size	Morphological Attributes	Damaged	Corner	Expanding			
23PO422	1-6	None	12.9	3.6	3.6	0.9	1.6	3.5	Missing	Damaged	Corner	Expanding
23PO422	1-7	None	17.8	6.8	4.2	0.8	1.8	2.7	Pointed	Asymmetrical	Sloping	Contracting
23PO422	1-8	None	10.6	5.1	3.3	0.7	0.0	2.0	Pointed	Recurved	Sloping	Contracting
23PO422	1-9	Impact fracture	4.2	3.2	2.1	0.6	1.6	1.6	Missing	Straight	Sloping	Contracting
23PO422	1-10	None	20.1	6.1	3.7	1.0	0.0	0.0	Rounded	Excavate	None	Unstemmed
23PO422	1-11	None	14.4	4.2	3.8	1.1	1.5	2.2	Missing	Asymmetrical	Damaged	Contracting
23PO422	1-12	None	20.3	0.0	0.0	0.0	0.0	0.0	Pointed	Asymmetrical	None	Missing
23PO422	1-13	None	12.1	6.7	2.9	0.7	0.0	0.0	Pointed	Excavate	None	Missing
23PO422	1-14	None	2.5	3.1	1.4	0.7	1.5	0.0	Missing	Missing	Sloping	Contracting
23PO422	1-15	None	3.3	2.3	2.1	0.7	1.5	0.0	Missing	Missing	Sloping	Contracting
23PO422	1-16	None	15.3	3.2	4.1	1.0	0.0	0.0	Missing	Damaged	None	Unstemmed
23PO422	1-17	None	59.0	8.2	4.6	1.6	0.0	0.0	Rounded	Excavate	None	Unstemmed
23PO422	1-18	None	16.8	6.0	3.0	1.0	0.0	0.0	Rounded	Excavate	None	Unstemmed
23PO422	1-19	None	15.6	56.1	3.2	1.1	0.0	0.0	Rounded	Asymmetrical	None	Unstemmed
23PO422	1-20	None	6.6	4.2	2.2	0.7	0.0	0.0	Pointed	Excavate	None	Unstemmed
23PO422	1-21	None	10.0	3.3	2.9	0.9	0.0	0.0	Missing	Damaged	None	Unstemmed
23PO422	1-22	None	6.8	3.0	2.5	0.9	0.0	0.0	Missing	Excavate	None	Unstemmed
23PO422	1-23	None	1.8	1.5	2.1	0.5	0.0	0.0	Missing	Missing	None	Unstemmed
23PO422	1-24	None	1.7	2.5	1.7	0.4	0.7	1.1	Missing	Incurved	Barbed	Expanding
23PO422	1-25	None	1.0	2.2	1.6	0.4	0.7	1.2	Pointed	Excavate	Barbed	Expanding
23PO422	1-26	None	0.9	3.0	1.3	0.4	0.6	0.7	Pointed	Recurved	Barbed	Expanding
23PO422	1-27	None	0.7	1.7	1.3	0.3	0.6	0.9	Missing	Straight	Square	Expanding
23PO422	1-28	None	0.7	2.5	1.0	0.3	0.5	0.9	Pointed	Straight	Square	Expanding
23PO422	1-29	Impact fracture	0.7	2.1	1.1	0.3	0.6	0.9	Damaged	Excavate	Square	Expanding
23PO422	1-30	None	0.6	1.9	0.9	0.4	0.6	0.8	Pointed	Excavate	Square	Expanding
23PO422	1-31	None	0.3	1.4	0.8	0.3	0.5	0.7	Pointed	Straight	Sloping	Expanding
23PO422	1-32	Impact fracture	0.4	1.5	0.7	0.3	0.5	0.8	Missing	Damaged	Missing	Expanding
23PO423	1-1	None	13.9	6.8	3.2	2.7	0.0	2.0	Damaged	Asymmetrical	Sloping	Contracting
23PO423	1-2	None	13.5	3.8	4.1	1.0	1.2	1.8	Missing	Damaged	Barbed	Contracting
23PO423	1-4	None	10.0	4.5	2.6	0.7	1.4	2.2	Missing	Damaged	Square	Parallel
23PO423	1-5	None	19.9	0.0	0.0	0.0	0.0	0.0	Damaged	Excavate	Square	Parallel
23PO423	1-6	None	25.0	0.0	0.0	0.0	0.0	0.9	Missing	Excavate	Missing	Missing
23PO423	1-7	Engraving wood	15.5	33.9	3.8	0.9	0.0	0.0	Missing	Damaged	Missing	Missing
23PO423	1-8	None	12.2	3.1	4.7	0.7	0.0	0.0	Missing	Straight	None	Unstemmed
23PO423	1-9	None	17.5	4.2	4.1	1.0	0.0	0.0	Missing	Missing	None	Unstemmed

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Wt(g)	Overall Size	Stem Size	Morphological Attributes	Side	Expanding				
23FO424	1-1	5.8	2.6	2.3	0.7	1.5	2.3	Missing	Sloping	Side	Expanding
23FO424	1-2	2.2	2.2	1.9	0.5	1.0	1.5	Missing	Sloping	Side	Expanding
23FO424	1-3	7.5	3.0	2.8	0.8	1.4	2.6	Rounded	Square	Corner	Expanding
23FO424	1-4	5.4	2.3	2.7	0.7	1.2	2.7	Missing	Missing	Corner	Expanding
23FO424	1-5	9.9	0.0	0.0	0.0	0.0	0.0	Pointed	Missing	Missing	Missing
23FO424	1-6	10.7	2.5	4.2	0.9	0.0	0.0	Missing	Missing	Missing	Missing
23FO425	1-1	9.7	3.4	3.3	0.7	0.0	0.0	Missing	Damaged	Damaged	Damaged
23FO425	1-2	44.0	0.0	0.0	0.0	0.0	0.0	Missing	None	Unnotched	Unstemmed
23FO425	1-3	22.7	4.1	4.2	1.2	0.0	0.0	Missing	None	Unnotched	Unstemmed
23FO430	1-1	15.1	6.2	3.7	0.7	1.0	2.5	Pointed	Barbed	Corner	Expanding
23FO430	1-2	9.8	5.7	2.7	0.7	1.9	2.0	Rounded	Sloping	Corner removed	Contracting
23FO433	1-1	4.3	2.3	3.8	0.5	1.0	2.0	Missing	Barbed	Corner removed	Expanding
23FO433	1-2	3.0	0.0	0.0	0.0	0.0	0.0	Damaged	Missing	Missing	Missing
23FO434	1-1	6.7	3.6	2.5	0.6	0.0	0.0	Missing	Missing	Missing	Missing
23FO435	1-1	5.3	3.2	2.3	0.6	1.5	2.5	Rounded	Sloping	Side	Lobed
23FO435	1-2	44.5	0.0	0.0	0.0	0.0	0.0	Missing	None	None	None
23FO435	1-3	137.6	8.1	6.4	2.8	0.0	0.0	Unknown	None	Unnotched	Unstemmed
23FO435	1-4	51.3	6.4	4.9	1.6	0.0	0.0	Rounded	None	Unnotched	Unstemmed
23FO440	1-1	6.8	4.0	2.0	0.7	0.0	0.0	Damaged	Sloping	Side	Lobed
23FO443	1-2	11.8	6.5	2.5	0.7	2.0	2.0	Damaged	Sloping	Corner removed	Contracting
23FO443	1-3	13.4	4.5	2.9	1.4	0.0	0.0	Rounded	None	Unnotched	Unstemmed
23FO443	1-4	32.9	7.7	3.6	1.2	0.0	0.0	Rounded	None	Unnotched	Unstemmed
23FO443	1-5	75.2	6.7	5.9	1.4	0.0	0.0	Rounded	None	Unnotched	Unstemmed
23FO446	1-1	4.7	3.1	2.4	0.7	1.4	2.3	Damaged	Square	Side	Expanding
23FO446	1-2	2.9	2.4	2.0	0.6	0.9	2.0	Missing	Missing	Corner?	Expanding
23FO446	1-3	9.1	2.5	3.8	0.8	0.0	0.0	Missing	None	Unnotched	Unstemmed
23FO451	1-1	199.5	8.5	8.1	2.5	0.0	0.0	Missing	None	Unnotched	Unstemmed
23FO451	1-2	4.8	2.9	2.2	0.7	0.9	1.5	Missing	Square	Corner removed	Expanding
23FO451	1-3	5.2	0.0	0.0	0.0	0.0	0.0	Damaged	Missing	Unnotched	Unstemmed

## APPENDIX B

### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Morphological Attributes (continued)			Modifications		
		Damaged	None	Biconvex	Stem	None	No
23CE436	1-1	Damaged	None	Biconvex	Stem	None	No
23CE436	1-2	Concave	None	Biconvex	Stem	None	No
23CE447	1-1	Convex	None	Plano-convex	None	Utilifacial	No
23CE447	1-2	Straight	None	Biconvex	None	None	No
23CE448	1-1	Damaged	Flared outward	Biconvex	None	None	No
23CE448	1-2	Damaged	None	Biconvex	None	None	No
23CE448	1-3	Damaged	None	Biconvex	None	None	No
23CE448	1-4	Straight	None	Biconvex	Blade	None	No
23CE448	1-5	Convex	None	Biconvex	None	None	No
23CE448	1-6	Convex	None	Biconvex	None	None	No
23CE448	1-7	Missing	Missing	Biconvex	Blade	None	No
23CE448	1-8	Missing	Missing	Irregular	None	None	No
23DA52	1-1	Straight	Flared outward	Biconvex	Base	None	No
23DA52	1-2	Convex	None	Plano-convex	Stem	Beveling-left	No
23DA52	1-3	Straight	Asymmetrical	Biconvex	None	None	No
23DA52	1-4	Missing	Missing	Biconvex	None	None	No
23DA63	1-1	Straight	None	Biconvex	None	None	No
23DA63	1-2	Straight	None	Biconvex	None	None	No
23DA63	1-3	Convex	None	Irregular	None	None	No
23DA63	1-4	Convex	None	Lenticular	None	Beveling-right	No
23DA63	1-5	Missing	Missing	Biconvex	None	None	No
23DA63	1-6	Missing	Missing	Biconvex	None	None	No
23DA63	1-7	Missing	Missing	Irregular	Blade	None	No
23DA85	1-1	Straight	Flaring	Biconvex	Base & stem	None	No
23DA85	1-2	Missing	Missing	Biconvex	None	None	No
23DA85	1-3	Missing	Missing	Rhomboidal	None	Beveling-left	No
23DA85	1-4	Missing	Missing	Biconvex	None	None	No
23DA85	1-5	Missing	Missing	Irregular	None	None	No
23DA330	1-1	Missing	Missing	Biconvex	None	None	No
23DA339	1-1	Concave	Missing	Biconvex	Base & stem	None	No
23DA339	1-2	Missing	Missing	Biconvex	None	None	No
23DA339	1-3	Missing	Missing	Biconvex	None	None	No
23DA339	1-4	Convex	None	Rhomboidal	None	Beveling-right	No
23DA339	1-5	Concave	Horizontal	Biconvex	None	Bifacial	No
23DA344	1-2	Missing	Missing	Biconvex	None	None	No

## APPENDIX B

### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Morphological Attributes (continued)			Modifications		
23DA362	1-1	Straight	None	Rhomboidal	Stem	Beveling-right	No
23DA362	1-2	Missing	Missing	Plano-convex	None	None	No
23DA362	1-3	Missing	Missing	Biconvex	None	None	No
23DA362	1-4	N/A	N/A	N/A	None	None	No
23DA362	1-5	Missing	Missing	Irregular	None	None	No
23DA364	1-1	Straight	None	Biconvex	Base & stem	None	No
23DA365	1-1	Convex	Asymmetrical	Biconvex	None	None	No
23DA365	1-2	Straight	Pointed	Biconvex	Base	None	No
23DA365	1-3	Concave		Biconvex	Base & stem	None	No
23DA365	1-4	Missing	Missing	Unknown	None	None	No
23DA365	1-5	Missing	Missing	Biconvex	None	None	No
23DA365	1-6	Missing	Missing	Plano-convex	None	None	No
23DA365	1-7	Convex	None	Plano-convex	Base	None	No
23DA365	1-8	Convex	None	Plano-convex	None	Beveling-left	No
23DA365	1-9	Missing	Missing	Irregular	None	None	No
23DA366	1-1	Straight	None	Biconvex	Base & stem	None	No
23DA366	1-2	Straight	Asymmetrical	Biconvex	Base	None	No
23DA366	1-3	Convex		Biconvex	Base & stem	None	No
23DA366	1-4	Concave	Flared outward	Irregular	Base	None	No
23DA366	1-5	Concave	Cropped	Biconvex	Base & stem	None	No
23DA366	1-6	Straight	Flared	Rhomboidal	Stem	Beveling-right	No
23DA366	1-7	Convex	Rounded	Biconvex	Base & stem	None	No
23DA366	1-8	Concave	Flared outward	Biconvex	None	None	No
23DA366	1-9	Convex	Flared outward	Biconvex	None	None	No
23DA366	1-10	Concave	Straight-sided	Plano-convex	Stem	None	No
23DA366	1-11	Concave	Flared outward	Biconvex	Stem	None	No
23DA366	1-12	Straight	None	Biconvex	None	None	No
23DA366	1-13	Convex	Flared outward	Biconvex	None	None	No
23DA366	1-14	Rounded	None	Plano-convex	None	None	No
23DA366	1-15	Convex	None	Rhomboidal	None	Beveling-right	No
23DA366	1-16	Missing	Missing	Biconvex	None	Beveling-right	No
23DA366	1-17	Straight		Biconvex	None	None	No
23DA366	1-18	Concave	Pendular	Rhomboidal	Base & stem	Beveling-left	No
23DA366	1-19	Concave	Flared outward	Biconvex	None	None	No
23DA366	1-20	Concave	None	Rhomboidal	None	Beveling-left	No

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### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Morphological Attributes (continued)	Modifications	
23DA366	1-21	Straight	Biconvex	None
23DA366	1-22	Missing	Unknova	None
23DA366	1-23	Missing	Irregular	None
23DA366	1-24	Missing	Biconvex	None
23DA366	1-25	Convex	Irregular	Beveling-right
23DA366	1-26	Concave	Biconvex	None
23DA366	1-27	Convex	Biconvex	None
23DA366	1-28	Missing	Biconvex	None
23DA366	1-29	Missing	Biconvex	None
23DA366	1-30	Missing	Biconvex	None
23DA366	1-31	Missing	Biconvex	None
23DA366	1-32	Convex	Plano-convex	None
23DA366	1-33	Convex	Rhomboidal	Beveling-left
23DA366	1-34	Convex	Plano-convex	None
23DA366	1-35	Convex	Plano-convex	Blade
23DA366	1-36	Convex	Biconvex	Blade
23DA366	1-37	Straight	Biconvex	Blade
23DA366	1-38	Damaged	Biconvex	None
23DA366	1-39	Convex	Biconvex	None
23DA366	1-40	Convex	Biconvex	None
23DA366	1-42	N/A	N/A	Blade
23DA366	1-43	Concave	Biconvex	None
23DA366	1-44	Straight	Biconvex	None
23DA366	1-45	Convex	Rhomboidal	Beveling-left
23DA366	1-46	Convex	Biconvex	None
23DA366	1-47	Missing	Biconvex	None
23DA366	1-48	Missing	Biconvex	None
23DA366	1-49	N/A	N/A	None
23DA367	1-1	Convex	Biconvex	None
23DA367	1-2	Convex	Biconvex	None
23DA367	1-3	Missing	Biconvex	None
23DA367	1-4	Missing	Irregular	None
23DA368	1-1	Convex	Plano-convex	None
23DA368	1-2	Straight	Biconvex	Base & stem
23DA368	1-3	Straight	Biconvex	Base

## APPENDIX B

### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Morphological Attributes (continued)	Modifications	No
23DA368	1-4	Damaged	Biconvex	None
23DA368	1-5	Straight	Biconvex	None
23DA368	1-6	Convex	Biconvex	None
23DA368	1-7	Straight	Biconvex	None
23DA368	1-8	Convex	Biconvex	None
23DA368	1-9	Straight	Biconvex	None
23DA368	1-10	Straight	Irregular	None
23DA368	1-11	Straight	Biconvex	None
23DA368	1-12	Missing	Biconvex	None
23DA368	1-13	Convex	Irregular	None
23DA368	1-14	Convex	Plano-convex	None
23DA368	1-15	Missing	Biconvex	None
23DA368	1-16	Missing	Biconvex	None
23DA368	1-17	Missing	Biconvex	None
23DA368	1-18	Missing	Biconvex	Beveling-left
23DA368	1-19	Missing	Biconvex	None
23DA368	1-20	Missing	Plano-convex	None
23DA368	1-21	Missing	Biconvex	None
23DA368	1-22	Missing	Biconvex	None
23DA368	1-23	N/A	N/A	None
23DA368	1-24	N/A	N/A	None
23DA368	1-25	Convex	Biconvex	None
23DA368	1-26	Convex	Biconvex	None
23DA368	1-27	Damaged	Biconvex	None
23DA368	1-28	Missing	Diamond-shaped	None
23DA368	1-29	Missing	Biconvex	None
23DA368	1-30	Straight	Biconvex	None
23DA368	1-31	Straight	Diamond-shaped	None
23DA369	1-1	Convex	Biconvex	None
23DA369	1-2	Straight	Biconvex	None
23DA369	1-3	Straight	Biconvex	None
23DA369	1-4	Convex	Biconvex	None
23DA369	1-5	Missing	Rhomboidal	None
23DA369	1-6	N/A	N/A	None
23DA369	1-7	Concave	Biconvex	None

**APPENDIX B**  
**Stone tools collected by Howard Wimmer**

Site No.	Cat. No.	Morphological Attributes (continued)			Modifications		
		1-1	1-2	1-3	Stem	None	No
23DA370	1-1	Straight	None	Plane-convex	Stem	None	No
23DA370	1-2	Straight	None	Biconvex	Stem	None	No
23DA370	1-3	Straight	None	Biconvex	Base & stem	None	No
23DA370	1-4	Convex	None	Biconvex	Base & stem	None	No
23DA370	1-5	Concave	None	Biconvex	Notches	None	No
23DA370	1-6	Concave	None	Biconvex	Base & stem	None	No
23DA370	1-7	Straight	None	Biconvex	Base & stem	None	No
23DA370	1-8	Missing	Missing	Biconvex	None	None	No
23DA370	1-9	Missing	Missing	Plane-convex	None	None	No
23DA370	1-10	Missing	Missing	Biconvex	None	None	No
23DA370	1-11	Missing	Missing	Biconvex	None	None	No
23DA370	1-12	Missing	Missing	Biconvex	None	None	No
23DA370	1-13	Convex	None	Biconvex	None	None	No
23DA370	1-14	Missing	Missing	Irregular	None	None	No
23DA370	1-15	N/A	N/A	Irregular	None	None	No
23DA371	1-1	Straight	Flared outward	N/A	None	None	No
23DA371	1-2	Straight	Flared outward	Biconvex	None	None	No
23DA371	1-3	Concave	Incurved	Biconvex	None	None	No
23DA371	1-4	Convex	None	Biconvex	None	None	No
23DA371	1-5	Straight	None	Biconvex	Base & stem	None	No
23DA371	1-6	Straight	Flared outward	Biconvex	Base	None	No
23DA371	1-7	Concave	None	Biconvex	Base & stem	None	No
23DA371	1-8	Concave	None	Biconvex	Stem	None	No
23DA371	1-9	Straight	None	Biconvex	None	None	No
23DA371	1-10	Convex	Rounded	Biconvex	Base	None	No
23DA371	1-11	Straight	Horizontal	Diamond-shaped	None	None	No
23DA371	1-12	Straight	None	Biconvex	Base & stem	None	No
23DA371	1-13	Straight	None	Biconvex	Base	None	No
23DA371	1-14	Concave	None	Irregular	Base	None	No
23DA371	1-15	Convex	None	Biconvex	None	None	No
23DA371	1-16	Straight	None	Biconvex	Stem	None	No
23DA371	1-17	Missing	Missing	Irregular	None	None	No
23DA371	1-18	Missing	Missing	Biconvex	None	None	No
23DA371	1-19	Convex	None	Biconvex	None	None	No
23DA371	1-20	Missing	Missing	Irregular	None	None	No

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Morphological Attributes (continued)	Modifications	
23DA371	1-21	Missing	Irregular	None
23DA371	1-22	Convex	Biconvex	None
23DA371	1-23	Convex	Biconvex	None
23DA371	1-24	Straight	Plano-convex	None
23DA371	1-25	Convex	Plano-convex	None
23DA371	1-26	Convex	Plano-convex	None
23DA371	1-27	Convex	Biconvex	None
23DA371	1-29	Flared outward	Biconvex	None
23DA371	1-30	Flared outward	Biconvex	None
23DA371	1-31	Convex	Biconvex	Base & stem
23DA371	1-32	Convex	Plano-convex	None
23DA371	1-33	Convex	Biconvex	Base
23DA371	1-34	Convex	Biconvex	None
23DA371	1-35	Missing	Irregular	None
23DA371	1-36	Missing	Irregular	None
23DA371	1-37	Convex	Biconvex	None
23DA371	1-38	Convex	Plano-convex	None
23DA371	1-40	Missing	Irregular	None
23DA371	1-41	Concave	Irregular	None
23DA371	1-42	Missing	Biconvex	Stem
23DA371	1-43	Missing	Biconvex	None
23DA371	1-44	Recurved	Biconvex	Base & stem
23DA371	1-45	Recurved	Biconvex	Base & stem
23DA371	1-46	Recurved	Biconvex	None
23DA371	1-47	Convex	Biconvex	None
23DA371	1-48	Convex	Biconvex	None
23DA371	1-49	Convex	Biconvex	Base & stem
23DA371	1-50	Straight	Biconvex	Base & stem
23DA371	1-51	Concave	Biconvex	Base & stem
23DA371	1-52	Concave	Biconvex	None
23DA371	1-53	Straight	Biconvex	Base & stem
23DA371	1-54	Straight	Plano-convex	Stem
23DA371	1-55	Concave	Diamond-shaped	Base & stem
23DA371	1-56	Concave	Biconvex	Stem
23DA371	1-57	Straight	Biconvex	None

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Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Morphological Attributes (continued)				Modifications			
		Straight	None	Biconvex	None	None	None	None	None
23DA371	1-58	Straight	None	Biconvex	None	None	None	None	No
23DA371	1-59	Concave	None	Plane-convex	None	Stem	None	None	No
23DA371	1-60	Concave	None	Biconvex	None	Stem	None	None	No
23DA371	1-61	Straight	None	Plane-convex	None	Stem	None	None	No
23DA371	1-62	Pointed	None	Biconvex	None	None	None	None	No
23DA371	1-63	Convex	Rounded	Biconvex	None	None	None	None	No
23DA371	1-64	Convex	None	Biconvex	None	None	None	None	No
23DA371	1-65	Straight	None	Plane-convex	None	None	None	None	No
23DA371	1-66	Straight	None	Biconvex	None	None	None	None	No
23DA371	1-67	Straight	None	Biconvex	None	None	None	None	No
23DA371	1-68	Straight	None	Biconvex	None	None	None	None	No
23DA371	1-69	Straight	None	Biconvex	None	None	None	None	No
23DA371	1-70	Straight	None	Biconvex	None	None	None	None	No
23DA371	1-71	Convex	None	Biconvex	None	None	None	None	No
23DA371	1-72	Straight	None	Biconvex	None	None	None	None	No
23DA371	1-73	Missing	Missing	Rhomboidal	None	None	Beveling-left	None	No
23DA371	1-74	Convex	None	Biconvex	None	Base & stem	None	None	No
23DA371	1-75	Convex	None	Biconvex	None	None	None	None	No
23DA371	1-76	Straight	None	Biconvex	None	Base & stem	None	None	No
23DA371	1-77	Straight	None	Biconvex	None	None	None	None	No
23DA371	1-78	Straight	Rounded	Biconvex	None	Stem	None	None	No
23DA371	1-79	Straight	None	Plane-convex	None	None	None	None	No
23DA371	1-80	Missing	Missing	Rhomboidal	None	Base & stem	Beveling-left	None	No
23DA371	1-81	Straight	Missing	Irregular	None	Base & stem	None	None	No
23DA371	1-82	Missing	Missing	Unknown	None	None	None	None	No
23DA371	1-83	Straight	Rounded	Biconvex	None	None	None	None	No
23DA371	1-84	Missing	Missing	Irregular	None	None	None	None	No
23DA371	1-85	Missing	Missing	Irregular	None	None	None	None	No
23DA371	1-86	Straight	None	Biconvex	None	None	None	None	No
23DA371	1-87	Missing	Missing	Biconvex	None	None	Beveling-left	None	No
23DA371	1-88	Convex	Asymmetrical	Rhomboidal	None	None	Beveling-left	None	No
23DA371	1-89	Missing	Missing	Diamond-shaped	None	None	None	None	No
23DA371	1-90	Convex	None	Irregular	None	None	None	None	No
23DA371	1-91	Recurved	Rounded	Irregular	None	Stem	None	None	No
23DA371	1-92	N/A	N/A	N/A	None	None	None	None	No





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Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Morphological Attributes (continued)				Modifications	
		None	Plane-convex	Base	None		
23DA377	1-2	Concave	None	None	None	No	
23DA377	1-3	Straight	None	Biconvex	None	No	
23DA377	1-4	Straight		Plane-convex	Stem	Unifacial	
23DA377	1-5	Straight	Flared outward	Biconvex	Base	None	
23DA377	1-6	Convex	Asymmetrical	Biconvex	None	No	
23DA377	1-7	Convex		Biconvex	Base & stem	None	
23DA377	1-8	Straight	Asymmetrical	Biconvex	None	None	
23DA377	1-9	Convex	None	Biconvex	None	No	
23DA377	1-10	Missing	Missing	Irregular	None	No	
23DA377	1-11	Convex	None	Irregular	None	No	
23DA379	1-1	Convex		Biconvex	Base & stem	No	
23DA379	1-2	Straight	None	Plane-convex	None	No	
23DA380	1-1	Missing	Missing	Rhomboidal	Stem	Revealing left	
23DA380	1-2	Missing	Missing	Rhomboidal	None	Revealing left	
23DA380	1-3	Missing	Missing	Plane-convex	None	Unifacial	
23DA380	1-4	Convex	None	Plane-convex	Blade	Unifacial	
23DA381	1-1	Concave		Irregular	Base & stem	No	
23DA381	1-2	Convex	None	Plane-convex	Base	No	
23DA381	1-3	Missing	Missing	Plane-convex	None	No	
23DA382	1-1	Straight	None	Biconvex	None	Unifacial	
23DA382	1-2	Straight	None	Biconvex	None	Yes	
23DA382	1-3	Convex	None	Plane-convex	Base & stem	No	
23DA382	1-4	Missing	Missing	Irregular	None	No	
23DA382	1-5	Missing	Missing	Irregular	None	No	
23DA383	1-1	Convex	None	Biconvex	Base	No	
23DA383	1-2	Rounded	None	Plane-convex	Stem	No	
23DA383	1-3	Missing	Missing	Biconvex	None	No	
23DA383	1-4	Convex		Biconvex	None	No	
23DA383	1-5	Missing	Missing	Irregular	None	No	
23DA384	1-1	Missing	Missing	Biconvex	None	No	
23DA385	1-1	Straight	None	Plane-convex	Stem	Unifacial	
23DA385	1-2	Missing	Missing	Irregular	None	No	
23DA385	1-3	Missing	Missing	Irregular	None	No	
23DA385	1-4	Convex	None	Plane-convex	None	Unifacial	
23DA385	1-5	Missing	Missing	Biconvex	None	Unifacial	

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Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Morphological Attributes (continued)			Modifications		
		Concave	Pendular	Biconvex	Base & stem	None	No
23DA385	1-6	Concave	Pendular	Biconvex	Base & stem	None	No
23DA385	1-7	Convex	None	Biconvex	None	None	No
23DA385	1-8	Convex	None	Biconvex	None	None	No
23DA385	1-9	Convex	None	Biconvex	None	None	No
23DA385	1-10	Concave		Biconvex	Stem	None	No
23DA385	1-11	Concave	Pendular	Biconvex	None	Unifacial	No
23DA385	1-12	Convex		Plano-convex	None	Unifacial	No
23DA385	1-13	Convex	None	Biconvex	None	None	No
23DA385	1-14	Missing	Missing	Biconvex	None	None	No
23DA385	1-15	Straight	None	Rhomboidal	None	Beveling-right	No
23DA385	1-16	Straight	None	Rhomboidal	None	Beveling-right	No
23DA385	1-17	Missing	Missing	Biconvex	None	None	No
23DA385	1-18	Missing	Missing	Diamond-shaped	Blade	Beveling-left	No
23DA385	1-19	Convex	None	Biconvex	None	None	No
23DA386	1-1	Concave	Incurved	Biconvex	None	None	No
23DA386	1-2	Convex	Crooked	Rhomboidal	None	Beveling-right	No
23DA386	1-3	Missing	Missing	Irregular	None	None	No
23DA386	1-4	Missing	Missing	Irregular	None	None	No
23DA386	1-5	Missing	Missing	Irregular	None	None	No
23DA386	1-6	Convex	None	Irregular	None	None	No
23DA386	1-7	Convex	Flared outward	Biconvex	None	None	No
23DA386	1-8	Concave	Flared outward	Biconvex	Base & stem	None	No
23DA386	1-9	Concave	None	Rhomboidal	Base	Beveling-left	No
23DA386	1-11	Concave	None	Irregular	Stem	None	No
23DA386	1-12	Concave	None	Biconvex	Shoulder	None	No
23DA386	1-13	Concave	None	Biconvex	Base & stem	None	No
23DA386	1-14	Straight	None	Biconvex	Stem	None	No
23DA386	1-15	Missing	Missing	Biconvex	None	None	No
23DA386	1-16	Concave	None	Biconvex	Notches	None	No
23DA386	1-17	Convex	None	Biconvex	None	None	No
23DA386	1-18	Straight	None	Diamond-shaped	None	None	No
23DA386	1-19	Convex	Flared outward	Biconvex	None	None	No
23DA386	1-20	Convex	Flared outward	Biconvex	Base	None	No
23DA386	1-21	Convex	None	Biconvex	None	None	No
23DA386	1-22	Convex	None	Biconvex	Base	None	No

## APPENDIX B

### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Morphological Attributes (continued)	Modifications	
23DA386	1-23	Damaged	None	No
23DA386	1-24	Convex	Biconvex	None
23DA386	1-25	Rounded	Biconvex	None
23DA386	1-26	Convex	Biconvex	None
23DA386	1-27	Straight	Biconvex	None
23DA386	1-28	Missing	Biconvex	None
23DA386	1-29	Straight	Irregular	None
23DA386	1-30	Convex	Biconvex	None
23DA386	1-31	Concave	Biconvex	None
23DA386	1-32	Missing	Irregular	None
23DA386	1-33	Convex	Biconvex	None
23DA386	1-34	Concave	Biconvex	None
23DA386	1-35	Rounded	Diamond-shaped	None
23DA386	1-35	Missing	Diamond-shaped	None
23DA386	1-37	Convex	Flano-convex	Blade
23DA387	1-1	Missing	Irregular	None
23DA387	1-2	Concave	Irregular	Beveling-left
23DA387	1-3	Missing	Rounded	None
23DA387	1-4	Convex	None	Beveling-right
23DA387	1-5	Convex	Rhomboidal	None
23DA387	1-6	Convex	Biconvex	None
23DA387	1-7	Straight	Biconvex	None
23DA387	1-8	Convex	Biconvex	None
23DA387	1-9	Missing	Unknown	None
23DA387	1-10	Straight	Biconvex	None
23DA387	1-11	Straight	Biconvex	None
23DA387	1-12	Missing	Biconvex	None
23DA387	1-13	Straight	Rhomboidal	Beveling-right
23DA387	1-14	Straight	Biconvex	None
23DA387	1-15	Straight	Irregular	None
23DA387	1-16	Missing	Irregular	None
23DA387	1-17	Straight	Biconvex	None
23DA387	1-18	Convex	Biconvex	None
23DA387	1-19	Missing	Diamond-shaped	None
23DA387	1-20	Straight	Biconvex	None

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Morphological Attributes (continued)			Modifications		
		1-21	1-22	1-23	Notches	Notches	No
23DA387	1-21	Convex		Biconvex	Notches	None	No
23DA387	1-22	Concave	Cropped	Biconvex	Notches	None	No
23DA387	1-23	Concave	None	Biconvex	Stem	None	No
23DA387	1-24	Straight	Flared outward	Biconvex	None	None	No
23DA387	1-25	Convex	None	Biconvex	None	None	No
23DA387	1-26	Convex		Biconvex	None	None	No
23DA387	1-27	Missing	Missing	Biconvex	None	None	No
23DA387	1-28	Straight	None	Biconvex	None	None	No
23DA387	1-29	Straight		Biconvex	None	None	No
23DA387	1-30	Straight		Biconvex	Stem	None	No
23DA387	1-31	Straight		Biconvex	Stem	None	No
23DA387	1-32	Convex		Biconvex	None	None	No
23DA387	1-33	Convex		Biconvex	Stem	None	No
23DA387	1-34	Straight		Plano-convex	Stem	Unifacial	No
23DA387	1-35	Straight		Biconvex	None	None	No
23DA387	1-36	Convex	None	Biconvex	None	None	No
23DA387	1-37	N/A	N/A	N/A	None	None	No
23DA387	1-38	Rounded	None	Rhomboidal	None	Beveling-right	No
23DA387	1-39	Straight	None	Biconvex	Base	None	No
23DA387	1-40	Convex	None	Plano-convex	Blade	None	No
23DA387	1-41	Damaged	None	Biconvex	Blade	None	No
23DA388	1-1	Straight	Incurved	Biconvex	None	None	No
23DA388	1-2	Missing	Missing	Biconvex	None	None	No
23DA388	1-3	Convex	None	Biconvex	None	None	No
23DA389	1-1	Concave	Incurved	Biconvex	Stem	None	No
23DA389	1-2	Damaged		Rhomboidal	None	Beveling-left	No
23DA389	1-3	Damaged	Flared outward	Rhomboidal	Base & stem	Beveling-left	No
23DA389	1-4	Missing	Missing	Rhomboidal	None	Beveling-left	No
23DA389	1-5	Damaged	None	Irregular	None	None	No
23DA390	1-1	Straight	None	Biconvex	None	None	No
23DA390	1-2	Missing	Missing	Plano-convex	None	Unifacial	No
23DA390	1-3	Missing	Missing	Biconvex	None	Unifacial	No
23DA391	1-1	Straight	None	Biconvex	Base & stem	None	No
23DA391	1-2	Missing	Missing	Biconvex	None	None	No
23DA392	1-1	Convex	Flaring	Biconvex	None	None	No

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Morphological Attributes (continued)				Modifications			
23DA392	1-2	Missing	Missing	Missing	Biconvex	None	None	None	No
23DA392	1-3	Missing	Missing	Missing	Biconvex	None	Unifacial	None	No
23DA392	1-4	Convex	None	None	Biconvex	None	Beveling-right	None	No
23DA393	1-1	Missing	Missing	Missing	Irregular	None	None	None	No
23DA393	1-2	Missing	Missing	Missing	Irregular	None	None	None	No
23DA393	1-3	Convex	None	None	Irregular	None	None	None	No
23DA393	1-4	Convex	None	None	Biconvex	None	None	None	No
23DA393	1-6	Missing	Missing	Missing	Irregular	None	None	None	No
23DA393	1-7	Convex	None	None	Biconvex	None	None	None	No
23DA393	1-8	Convex	None	None	Plano-convex	None	Beveling-left	None	No
23DA393	1-9	Convex	None	None	Plano-convex	None	None	None	No
23DA393	1-10	Convex	None	None	Biconvex	None	None	None	No
23DA393	1-11	Convex	None	None	Rhomboidal	None	Beveling-left	None	No
23DA393	1-12	Daunaged	None	None	Biconvex	None	None	None	No
23DA393	1-13	Convex	None	None	Rhomboidal	None	Beveling-right	None	No
23DA393	1-14	Convex	None	None	Plano-convex	None	Unifacial	None	No
23DA393	1-15	Convex	None	None	Plano-convex	None	Unifacial	None	No
23DA393	1-16	Convex	None	None	Biconvex	None	None	None	No
23DA393	1-17	Straight	None	None	Biconvex	None	None	None	No
23DA393	1-19	Concave	Flared downward	None	Biconvex	Base & stem	None	None	Yes
23DA393	1-20	Concave	None	None	Biconvex	Base & stem	None	None	No
23DA393	1-21	Concave	None	None	Biconvex	Base & stem	None	None	No
23DA393	1-22	Concave	Flared outward	None	Biconvex	Base & stem	Beveling-left	None	No
23DA393	1-23	Straight	None	None	Irregular	Base	None	None	No
23DA393	1-24	Straight	None	None	Biconvex	Stem	None	None	No
23DA393	1-25	Straight	None	None	Biconvex	Base & stem	None	None	No
23DA393	1-26	Straight	None	None	Biconvex	Base	None	None	No
23DA393	1-27	Straight	None	None	Biconvex	Base & stem	None	None	No
23DA393	1-28	Straight	Flared outward	None	Biconvex	Base & stem	None	None	No
23DA393	1-29	Straight	None	None	Biconvex	None	None	None	No
23DA393	1-30	Concave	Cropped	None	Biconvex	Notches	None	None	Yes
23DA393	1-31	Rounded	Rounded	None	Biconvex	None	Unifacial	None	No
23DA393	1-32	Convex	None	None	Biconvex	Base & stem	None	None	No
23DA393	1-33	Convex	Flared outward	None	Biconvex	Base & stem	None	None	No
23DA393	1-34	Straight	Flared outward	None	Biconvex	None	None	None	No

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Morphological Attributes (continued)	Modifications
23DA393	1-35	Straight	None
23DA393	1-36	Flared outward	Biconvex
23DA393	1-36	Flared outward	Biconvex
23DA393	1-38	Damaged	Biconvex
23DA393	1-39	Straight	Biconvex
23DA393	1-40	Straight	Biconvex
23DA393	1-41	Straight	Biconvex
23DA393	1-42	Convex	Biconvex
23DA393	1-43	Straight	Biconvex
23DA393	1-44	Straight	Biconvex
23DA393	1-45	Damaged	Biconvex
23DA393	1-46	Straight	None
23DA393	1-47	Damaged	None
23DA393	1-48	Concave	Planio-convex
23DA393	1-49	Concave	Biconvex
23DA393	1-50	Concave	Biconvex
23DA393	1-51	Concave	Biconvex
23DA393	1-52	Concave	Biconvex
23DA393	1-53	Concave	Planio-convex
23DA393	1-54	Concave	Biconvex
23DA393	1-55	Straight	Biconvex
23DA393	1-56	Convex	Biconvex
23DA393	1-57	Missing	Irregular
23DA393	1-58	Straight	Biconvex
23DA393	1-59	Damaged	Biconvex
23DA393	1-60	Straight	Biconvex
23DA393	1-61	Damaged	Biconvex
23DA393	1-62	Straight	Biconvex
23DA393	1-63	Straight	Biconvex
23DA393	1-64	Straight	Planio-convex
23DA393	1-65	Damaged	Biconvex
23DA393	1-66	Straight	Biconvex
23DA393	1-68	Round	Biconvex
23DA393	1-69	Convex	Diamond-shaped
23DA393	1-70	Missing	Biconvex
23DA393	1-71	Damaged	Biconvex

## APPENDIX B

### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Morphological Attributes (continued)						Modifications	
23DA393	1-72	Straight	Flared outward	Biconvex			Base & stem	None	No
23DA393	1-73	Damaged	Flared outward	Biconvex			Base	None	No
23DA393	1-74	Damaged	Flared outward	Plano-convex			None	None	No
23DA393	1-75	Convex	None	Biconvex			None	Unifacial	No
23DA393	1-76	Damaged	None	Biconvex			None	None	No
23DA393	1-77	Convex	None	Biconvex			Base	None	No
23DA393	1-78	Damaged	Flared downward	Biconvex			None	None	No
23DA393	1-79	Damaged		Biconvex			None	None	No
23DA393	1-80	Damaged		Biconvex			None	None	No
23DA393	1-81	N/A	N/A	N/A					No
23DA393	1-82	Convex	None	Plano-convex			Base	None	No
23DA393	1-83	Missing	Missing	Biconvex			None	None	No
23DA393	1-84	Missing	Missing	Biconvex			None	None	No
23DA393	1-85	Convex		Biconvex			Stem	None	No
23DA393	1-86	Straight	None	Biconvex			None	None	No
23DA393	1-87	Damaged		Plano-convex			None	Unifacial	No
23DA393	1-88	Damaged		Biconvex			None	None	No
23DA393	1-89	Straight	None	Biconvex			None	None	No
23DA394	1-1	Concave	None	Biconvex			None	None	No
23DA394	1-2	Missing	Missing	Irregular			None	None	No
23DA395	1-1	Concave	None	Biconvex			Base & stem	None	No
23DA395	1-2	Concave	None	Biconvex			Base & stem	None	No
23DA395	1-3	Missing	Missing	Irregular			None	None	No
23DA395	1-4	Damaged	None	Biconvex			None	None	No
23DA395	1-5	Damaged	None	Biconvex			Stem	None	No
23DA395	1-6	Damaged	None	Plano-convex			Base	None	No
23DA395	1-7	Damaged	Missing	Biconvex			None	None	No
23DA396	1-1	Rounded	None	Biconvex			None	None	No
23DA396	1-2	Missing	Missing	Irregular			None	None	No
23DA396	1-3	Straight	None	Biconvex			Stem	None	No
23DA396	1-4	Rounded	None	Plano-convex			None	Unifacial	No
23DA396	1-5	Missing	Missing	Plano-convex			None	None	No
23DA396	1-6	Damaged	None	Irregular			Face	None	No
23DA396	1-7	Concave	Missing	Biconvex			Base & stem	None	No
23DA396	1-8	Missing	Missing	Biconvex			None	None	No

## APPENDIX B

### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Morphological Attributes (continued)			Modifications		
		1-1	Missing	Missing	Irregular	None	None
23DA397	1-1	Missing					No
23DA397	1-2	Convex		None	Biconvex	Blade	No
23DA397	1-3	Missing		Missing	Irregular	None	No
23DA397	1-4	Missing		Missing	Irregular	None	No
23DA397	1-5	Convex		None	Plano-convex	None	No
23DA397	1-6	Missing		Missing	Diamond-shaped	None	No
23DA397	1-7	Convex		None	Biconvex	None	No
23DA397	1-8	Concave		None	Biconvex	Base & stem	No
23DA397	1-9	Convex		None	Biconvex	Base	No
23DA397	1-10	Convex		Flared outward	Biconvex	Stem	No
23DA397	1-11	Damaged			Biconvex	Base	No
23DA397	1-12	Convex			Biconvex	Base & stem	No
23DA397	1-13	Straight		None	Biconvex	None	No
23DA397	1-14	Straight		None	Biconvex	Stem	No
23DA397	1-15	Concave			Biconvex	None	No
23DA397	1-16	Concave		Peculiar	Biconvex	None	No
23DA397	1-17	Straight		None	Biconvex	Base & stem	No
23DA397	1-18	Straight			Biconvex	Base & stem	No
23DA398	1-1	Damaged		Damaged	Biconvex	Blade	No
23DA398	1-2	Missing		Missing	Irregular	None	No
23DA398	1-3	Missing		Missing	Irregular	None	No
23DA398	1-4	Damaged		None	Plano-convex	None	No
23DA398	1-5	Convex			Biconvex	Stem	No
23DA398	1-6	Straight		None	Biconvex	None	No
23DA398	1-7	Missing		Missing	Biconvex	None	No
23DA399	1-1	Missing		Missing	Irregular	None	No
23DA400	1-1	Damaged		Flared downward	Biconvex	Base & stem	No
23DA400	1-2	Missing		Missing	Irregular	None	No
23DA400	1-3	Straight		None	Biconvex	None	No
23DA400	1-4	Straight		None	Biconvex	Base	No
23DA400	1-5	Straight		None	Plano-convex	None	No
23DA400	1-6	N/A		N/A	N/A	None	No
23DA400	1-7	Straight		None	Biconvex	Stem	No
23DA400	1-8	Straight		Flaring	Biconvex	Stem	No
23DA400	1-9			None	Biconvex	None	No



APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Morphological Attributes (continued)		Modifications			
		Damaged	None	Irregular	None	None	None
23DA402	1-4	Damaged	None	Irregular	None	None	No
23DA403	1-1	Convex	None	Biconvex	Stem	Beveling right	No
23DA403	1-2	Straight	None	Plano-convex	None	Unifacial	No
23DA403	1-3	Missing	Missing	Irregular	None	None	No
23DA403	1-4	Missing	Missing	Irregular	None	None	No
23DA403	1-5	Straight	None	Biconvex	None	None	No
23DA403	1-6	Damaged	Missing	Biconvex	None	None	No
23DA405	1-1	Straight	None	Plano-convex	None	Unifacial	No
23DA405	1-2	Straight	None	Biconvex	Stem	None	No
23DA405	1-3	Straight	Flared outward	Biconvex	None	None	No
23DA405	1-4	Convex	None	Plano-convex	None	Unifacial	No
23DA405	1-5	Missing	Missing	Biconvex	None	None	No
23DA405	1-6	Missing	Missing	Plano-convex	None	Unifacial	No
23DA406	1-1	Convex	None	Biconvex	None	None	No
23DA407	1-2	N/A	N/A	N/A	None	None	No
23DA407	1-4	Straight	None	Biconvex	None	None	No
23DA408	1-1	Straight	None	Diamond-shaped	None	None	No
23DA408	1-2	Convex	None	Biconvex	None	None	No
23DA408	1-3	N/A	N/A	N/A	None	None	No
23DA408	1-4	Missing	Missing	Biconvex	Blade	None	No
23DA408	1-5	N/A	N/A	N/A	None	None	No
23DA410	1-1	Convex	Flared outward	Irregular	None	None	Yes
23DA412	1-1	Convex	None	Biconvex	None	None	No
23DA412	1-2	Convex	None	Plano-convex	None	None	No
23DA412	1-3	Concave	Pendular	Biconvex	None	None	No
23DA412	1-4	Straight	None	Biconvex	Base	None	No
23DA413	1-1	Convex	None	Biconvex	None	None	No
23PO230	1-1	Concave	Cropped	Biconvex	None	None	No
23PO230	1-2	Missing	Missing	Biconvex	Stem	None	No
23PO230	1-3	Concave	None	Biconvex	Stem	None	No
23PO230	1-4	Convex	None	Biconvex	None	None	No
23PO304	1-1	Damaged	Horizontal	Rhomboidal	None	Beveling left	No
23PO304	1-2	Convex	None	Irregular	None	None	No
23PO304	1-3	Missing	Missing	Biconvex	None	None	No
23PO304	1-4	Missing	Missing	Biconvex	Blade	None	No

APPENDIX B

Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Morphological Attributes (continued)				Modifications			
		Missing	Flared outward	Plane-convex	Unifacial	None	None	None	None
23PO304	1-5	Missing	Missing	Plane-convex	Unifacial	None	None	None	No
23PO320	1-1	Missing	Missing	Unknown	None	None	None	None	No
23PO320	1-2	Damaged	None	Biconvex	Base	None	None	None	No
23PO351	1-1	Concave	None	Rhomboidal	None	Beveling left	None	None	No
23PO351	1-2	Straight	Flared outward	Plane-convex	None	Unifacial	None	None	No
23PO351	1-3	Convex	None	Biconvex	None	None	None	None	No
23PO351	1-4	Missing	Missing	Biconvex	None	None	None	None	No
23PO351	1-5	Missing	Missing	Irregular	None	None	None	None	No
23PO351	1-6	Missing	Missing	Irregular	None	None	None	None	No
23PO351	1-7	Convex	None	Biconvex	None	None	None	None	No
23PO351	1-8	Convex	None	Biconvex	None	None	None	None	No
23PO351	1-9	Straight	None	Biconvex	None	None	None	None	No
23PO351	1-10	Straight	None	Biconvex	None	None	None	None	No
23PO351	1-11	Straight	None	Biconvex	None	None	None	None	No
23PO351	1-12	Straight	None	Biconvex	Stem	None	None	None	No
23PO351	1-13	Straight	None	Biconvex	Stem	None	None	None	No
23PO351	1-14	Convex	None	Plane-convex	None	Unifacial	None	None	No
23PO351	1-15	Straight	None	Biconvex	None	None	None	None	No
23PO351	1-16	Convex	None	Biconvex	None	None	None	None	No
23PO351	1-17	Convex	None	Plane-convex	None	Unifacial	None	None	No
23PO351	1-18	Straight	None	Biconvex	None	None	None	None	No
23PO351	1-19	Straight	None	Biconvex	None	None	None	None	No
23PO351	2-1	Straight	Flared outward	Biconvex	None	None	None	None	No
23PO351	2-2	Missing	Missing	Irregular	None	None	None	None	No
23PO351	2-3	Missing	Missing	Irregular	None	None	None	None	No
23PO351	2-4	Missing	Missing	Irregular	None	None	None	None	No
23PO351	2-8	Convex	None	Rhomboidal	None	Reveling left	None	None	No
23PO351	2-9	Convex	None	Biconvex	None	None	None	None	No
23PO351	2-10	Convex	None	Biconvex	Base	None	None	None	No
23PO351	2-11	Convex	None	Biconvex	None	None	None	None	No
23PO351	2-12	Straight	None	Biconvex	None	None	None	None	No
23PO351	2-13	Damaged	None	Biconvex	None	None	None	None	No
23PO351	2-14	Straight	Missing	Biconvex	None	None	None	None	No
23PO351	2-15	Convex	None	Biconvex	None	None	None	None	No
23PO351	2-16	Straight	Flared outward	Biconvex	None	None	None	None	No

APPENDIX B  
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Site No.	Cat. No.	Morphological Attributes (continued)				Diamond-shaped	Modifications	
23PO351	2-17	Missing	Missing			None	None	No
23PO351	3-1	Straight	Flared outward		Biconvex	None	None	No
23PO351	3-2	Concave	Pendular		Biconvex	None	None	No
23PO351	3-3	Concave	Pendular		Biconvex	None	None	No
23PO351	3-4	Straight	None		Biconvex	Stem	None	No
23PO351	3-5	Convex	Rounded		Biconvex	None	None	No
23PO351	3-6	Missing	Missing		Irregular	None	None	No
23PO351	3-7	Missing	Missing		Irregular	None	None	No
23PO351	3-8	Missing	Missing		Irregular	None	None	No
23PO351	3-9	Convex			Biconvex	None	None	No
23PO351	3-10	Damaged	None		Biconvex	Stem	None	No
23PO351	3-11	Convex	None		Biconvex	Base	None	No
23PO351	4-1	Concave	Straight-sided		P'omboidal	Stem	Beveling-left	No
23PO351	4-2	Straight	None		Biconvex	Stem	None	No
23PO351	4-3	Missing	Missing		Biconvex	None	None	No
23PO351	4-4	Damaged			Biconvex	Stem	None	No
23PO351	4-5	Convex	None		Biconvex	Stem	None	No
23PO351	4-6	Damaged	None		Biconvex	Stem	None	No
23PO351	4-7	Missing	Missing		Irregular	None	None	No
23PO351	4-8	Missing	Missing		Irregular	None	None	No
23PO351	4-9	Missing	Missing		Irregular	None	None	No
23PO351	4-10	Convex	None		Flaso-convex	None	None	No
23PO355	1-1	Concave	Flared outward		Biconvex	None	None	No
23PO355	1-2	Concave	Flared outward		Biconvex	Base	None	No
23PO355	1-3	Straight	Flared outward		Biconvex	None	None	No
23PO355	1-4	Straight	None		Flaso-convex	None	None	No
23PO355	1-5	Missing	Missing		Irregular	None	None	No
23PO355	1-6	Missing	Missing		Irregular	None	None	No
23PO355	1-7	Missing	Missing		Biconvex	None	None	No
23PO355	1-8	Missing	Missing		Biconvex	None	None	No
23PO355	1-9	Convex	None		Biconvex	None	None	No
23PO355	1-10	Concave	Pendular		Biconvex	Stem	None	No
23PO355	1-11	Convex	None		Biconvex	None	None	No
23PO357	1-1	Straight	Flared outward		Biconvex	None	None	No
23PO357	1-2	Damaged	Flared outward		Biconvex	None	None	No

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### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Morphological Attributes (continued)			Modifications		
23PO357	1-3	Convex		Biconvex	Stem	None	No
23PO357	1-4	Convex	Rounded	Biconvex	None	None	No
23PO357	1-5	Damaged	None	Biconvex	None	None	No
23PO357	1-6	Straight		Biconvex	Stem	None	No
23PO357	1-7	Convex	None	Fluso-convex	None	Unifacial	No
23PO357	1-8	Missing	Missing	Irregular	None	None	No
23PO357	2-1	Missing	Missing	Irregular	None	None	No
23PO357	2-2	Straight		Biconvex	None	None	No
23PO357	2-3	Convex		Biconvex	None	None	No
23PO357	2-4	Damaged	Flared outward	Biconvex	None	None	No
23PO357	2-5	Convex	None	Biconvex	Stem	None	No
23PO357	2-6	Missing	Missing	Biconvex	None	None	No
23PO359	1-1	Missing	Missing	Irregular	None	None	No
23PO359	1-2	Missing	Missing	Irregular	None	None	No
23PO359	1-3	Missing	Missing	Irregular	None	None	No
23PO359	1-4	Damaged	None	Irregular	None	None	No
23PO359	1-5	Concave	None	Biconvex	Base & stem	None	No
23PO359	1-6	Straight	None	Biconvex	None	None	No
23PO359	1-7	Straight		Biconvex	None	None	No
23PO359	1-8	Convex	None	Biconvex	None	None	No
23PO359	1-9	Convex		Biconvex	None	None	No
23PO359	1-10	Convex		Biconvex	None	None	No
23PO359	1-11	Convex		Biconvex	None	None	No
23PO359	1-12	Convex	None	Biconvex	None	None	No
23PO359	1-13	Convex	Flared outward	Biconvex	None	None	No
23PO359	1-14	Straight		Biconvex	Stem	None	No
23PO359	1-15	Convex	None	Biconvex	Blade	Beveling, right	No
23PO359	1-16	Convex	None	Biconvex	None	None	No
23PO359	1-17	Concave	Cropped	Biconvex	Base & stem	None	No
23PO359	1-18	Concave	None	Biconvex	Base & stem	None	No
23PO359	1-19	Concave		Biconvex	None	None	No
23PO359	1-20	Convex	None	Biconvex	None	None	No
23PO359	1-21	Damaged	Flared outward	Biconvex	None	None	No
23PO359	1-22	Convex		Biconvex	None	None	No
23PO359	1-23	Damaged	Pendular	Biconvex	None	None	No

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Morphological Attributes (continued)	Modifications
23PO359	1-24	Straight	None
23PO359	1-25	Missing	None
23PO359	1-26	Damaged	None
23PO359	1-27	Missing	None
23PO359	1-28	Concave	Unifacial
23PO359	1-29	Concave	None
23PO359	1-30	Concave	Stem
23PO359	1-31	Missing	Stem
23PO360	1-3	Missing	Stem
23PO360	1-4	Flared outward	None
23PO360	1-4	Flared outward	None
23PO360	1-4	None	Base & stem
23PO360	1-5	Missing	None
23PO360	1-6	N/A	None
23PO360	1-7	Damaged	None
23PO360	1-8	Missing	None
23PO360	1-9	Convex	None
23PO360	1-10	Convex	Stem
23PO360	1-11	Straight	None
23PO360	1-11	Flared outward	None
23PO360	1-12	Missing	None
23PO360	1-12	Missing	None
23PO360	1-13	Concave	None
23PO360	1-13	Concave	Stem
23PO360	1-14	Concave	Stem
23PO360	1-15	Straight	Stem
23PO360	1-16	Concave	Stem
23PO360	1-17	Straight	Stem
23PO360	1-18	Convex	None
23PO360	1-19	Missing	None
23PO360	1-20	Missing	None
23PO360	1-21	Missing	None
23PO360	1-22	Missing	None
23PO360	2-1	Straight	None
23PO360	2-2	Concave	None
23PO360	2-2	Concave	Base & stem
23PO360	2-3	Damaged	Stem
23PO360	2-4	Damaged	None
23PO360	2-5	Missing	None
23PO360	2-6	Convex	None
23PO361	1-1	Convex	None
23PO361	1-1	Convex	None

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Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Morphological Attributes (continued)	Modifications
23FO361	1-2	Convex	Biconvex
23FO361	1-3	Convex	Biconvex
23FO361	1-4	Missing	Biconvex
23FO361	1-5	Convex	Biconvex
23FO361	1-6	Straight	Biconvex
23FO361	1-7	Missing	Irregular
23FO361	1-8	Missing	Irregular
23FO366	1-1	Convex	Biconvex
23FO366	1-2	Straight	Biconvex
23FO366	1-3	Missing	Irregular
23FO366	1-4	Missing	Irregular
23FO366	1-5	Missing	Irregular
23FO366	1-6	Convex	Biconvex
23FO366	1-7	Damaged	Biconvex
23FO366	1-8	Straight	Biconvex
23FO366	1-9	Straight	Biconvex
23FO366	1-10	Straight	Biconvex
23FO366	1-11	Convex	Biconvex
23FO366	1-12	Damaged	Biconvex
23FO366	1-13	Straight	Biconvex
23FO366	1-14	Straight	Biconvex
23FO366	1-15	Damaged	Biconvex
23FO366	1-16	Straight	Biconvex
23FO366	1-17	Concave	Biconvex
23FO366	1-18	Straight	Biconvex
23FO366	1-19	Straight	Biconvex
23FO366	1-20	Convex	Diamond-shaped
23FO366	1-21	Convex	Diamond-shaped
23FO366	1-22	Convex	Biconvex
23FO366	1-23	Recurved	Biconvex
23FO366	1-24	Missing	Flared downward
23FO366	1-25	Missing	Flared downward
23FO366	1-26	Convex	Missing
23FO366	1-27	Convex	Missing
23FO366	1-28	Convex	None
23FO366	1-28	Convex	None

## APPENDIX B

### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Morphological Attributes (continued)		Modifications	
		Convex	None	Plane-convex	Unifacial
23PO366	1-29	Convex	None	Plane-convex	None
23PO366	1-30	Damaged		Irregular	None
23PO366	1-31	Straight	None	Biconvex	None
23PO366	1-32	Convex	None	Biconvex	None
23PO366	1-34	Convex	None	Biconvex	None
23PO366	1-35	Convex	None	Biconvex	None
23PO366	1-36	Missing	Missing	Plane-convex	Unifacial
23PO370	1-1	Missing	Missing	Irregular	None
23PO370	1-2	Missing	Missing	Irregular	None
23PO370	1-3	Missing	Missing	Irregular	None
23PO370	1-4	Straight	None	Biconvex	Beveling left
23PO370	1-5	Concave	None	Biconvex	None
23PO370	1-6	Straight	None	Biconvex	None
23PO370	1-7	Concave	None	Biconvex	None
23PO370	1-8	Concave	None	Biconvex	None
23PO370	1-9	Straight	None	Biconvex	Notches
23PO370	1-10	Rounded	None	Biconvex	None
23PO370	1-11	Convex	None	Biconvex	None
23PO370	1-12	Convex	None	Biconvex	None
23PO370	1-13	Convex	None	Biconvex	None
23PO370	1-14	Concave	None	Plane-convex	None
23PO370	1-15	Concave	Cropped	Biconvex	None
23PO370	1-16	Straight	None	Biconvex	None
23PO370	1-17	Straight	None	Biconvex	None
23PO370	1-18	Straight	None	Biconvex	None
23PO370	1-19	Straight	None	Biconvex	None
23PO370	1-20	Straight	None	Biconvex	None
23PO370	1-21	Straight	None	Biconvex	None
23PO370	1-22	Damaged		Biconvex	None
23PO370	1-23	Straight	None	Biconvex	None
23PO370	1-24	Concave	None	Biconvex	None
23PO370	1-25	Straight	None	Biconvex	None
23PO370	1-26	Damaged		Biconvex	None
23PO370	1-27	Straight	None	Plane-convex	None
23PO370	1-28	Convex	None	Biconvex	None

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### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Morphological Attributes (continued)	Modifications	
23PO370	1-29	Convex	Biconvex	None
23PO370	1-30	Convex	Diamond-shaped	None
23PO370	1-31	Straight	Plano-convex	None
23PO370	1-32	Straight	Biconvex	None
23PO370	1-33	Straight	Biconvex	None
23PO370	1-34	Straight	Biconvex	None
23PO370	1-35	Straight	Biconvex	None
23PO370	1-36	Convex	Biconvex	None
23PO370	1-37	Straight	Biconvex	Stem
23PO370	1-38	Straight	Biconvex	None
23PO370	1-39	Convex	Plano-convex	None
23PO370	1-40	Convex	Biconvex	None
23PO370	1-41	Concave	Biconvex	None
23PO370	1-42	Concave	Biconvex	None
23PO370	1-43	Concave	Biconvex	None
23PO370	1-44	Concave	Plano-convex	None
23PO370	1-45	Convex	Biconvex	None
23PO370	1-46	Straight	Biconvex	None
23PO370	1-47	Missing	Irregular	None
23PO370	1-48	Missing	Irregular	None
23PO370	1-49	Convex	Biconvex	None
23PO370	1-50	Convex	Biconvex	None
23PO370	1-51	Straight	Plano-convex	Stem
23PO370	1-52	Convex	Biconvex	None
23PO370	1-53	Convex	Diamond-shaped	None
23PO370	1-54	Convex	Biconvex	None
23PO370	1-55	Convex	Biconvex	None
23PO370	1-56	Convex	Biconvex	None
23PO370	1-57	Convex	Plano-convex	None
23PO370	1-58	Convex	Plano-convex	None
23PO370	1-60	Concave	Biconvex	None
23PO370	1-61	Missing	Biconvex	Missing
23PO370	1-62	Convex	Biconvex	None
23PO370	1-63	N/A	N/A	N/A
23PO370	1-64	Missing	Plano-convex	None

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Morphological Attributes (continued)				Modifications			
		Convex	None	Horizontal	Biconvex	None	None	None	None
23PO370	1-65	Convex	None	Horizontal	Biconvex	None	None	None	No
23PO371	1-1	Straight	Horizontal	Horizontal	Biconvex	None	None	None	No
23PO371	1-2	Convex	None	None	Plano-convex	None	Unifacial	None	No
23PO371	1-3	Missing	Missing	Missing	Irregular	None	None	None	No
23PO372	1-1	Concave	None	None	Biconvex	Stem	None	None	No
23PO372	1-2	Concave	Incurred	Incurred	Biconvex	Stem	None	None	No
23PO372	1-3	Concave	None	None	Biconvex	None	None	None	No
23PO372	1-4	Missing	Missing	Missing	Irregular	Blade	None	None	No
23PO373	1-1	Missing	Missing	Missing	Irregular	None	None	None	No
23PO373	1-2	Missing	Missing	Missing	Irregular	None	None	None	No
23PO373	1-6	Missing	Missing	Missing	Irregular	None	None	None	No
23PO373	1-9	Convex	None	None	Biconvex	Stem	None	None	No
23PO373	1-10	Convex	None	None	Biconvex	Stem	None	None	No
23PO373	1-11	Damaged	None	None	Biconvex	Base & stem	None	None	No
23PO373	1-12	Straight	None	None	Biconvex	Stem	None	None	No
23PO373	1-13	Straight	None	None	Biconvex	Stem	None	None	No
23PO373	1-14	Damaged	None	None	Biconvex	Stem	None	None	No
23PO373	1-15	Convex	None	None	Biconvex	Stem	None	None	No
23PO373	1-16	Straight	None	None	Biconvex	Stem	None	None	No
23PO373	1-17	Straight	None	None	Biconvex	Stem	None	None	No
23PO373	1-18	Straight	None	None	Biconvex	None	None	None	No
23PO373	1-19	Straight	None	None	Biconvex	Stem	None	None	No
23PO373	1-20	Convex	None	None	Biconvex	None	None	None	No
23PO373	1-21	Rounded	None	None	Biconvex	Stem	None	None	No
23PO373	1-22	Damaged	None	None	Biconvex	Base & stem	None	None	No
23PO373	1-23	Missing	Missing	Missing	Biconvex	Stem	None	None	No
23PO373	1-24	Convex	None	None	Biconvex	None	None	None	No
23PO373	1-25	Missing	Missing	Missing	Rhomboidal	None	Beveling-right	None	No
23PO373	1-26	Straight	None	None	Biconvex	Stem	None	None	No
23PO373	1-27	Damaged	None	None	Biconvex	None	None	None	No
23PO373	1-28	Damaged	Flared outward	Flared outward	Biconvex	None	None	None	No
23PO373	1-29	Straight	None	None	Biconvex	Stem	None	None	No
23PO373	1-30	Convex	None	None	Biconvex	None	None	None	No
23PO373	1-31	Convex	None	None	Biconvex	None	None	None	No
23PO373	1-32	Convex	None	None	Biconvex	None	None	None	No

## APPENDIX B

### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Morphological Attributes (continued)	Modifications	
23PO373	1-33	Convex	None	No
23PO373	1-34	Straight	None	No
23PO373	1-35	Straight	None	No
23PO373	1-36	Convex	None	No
23PO373	1-37	Convex	None	No
23PO373	1-38	Damaged	None	No
23PO373	1-39	Straight	None	No
23PO373	1-40	Concave	None	No
23PO373	1-41	Concave	None	No
23PO373	1-42	Convex	None	No
23PO373	1-43	Convex	None	No
23PO373	1-44	Damaged	None	No
23PO373	1-45	Damaged	None	No
23PO373	1-46	Convex	None	No
23PO373	1-47	Missing	None	No
23PO373	1-48	Convex	None	No
23PO373	1-49	Straight	None	No
23PO373	1-50	Convex	None	No
23PO373	1-51	Convex	None	No
23PO373	1-52	Damaged	None	No
23PO373	1-53	Straight	None	No
23PO373	1-54	Straight	None	No
23PO373	1-55	Straight	None	No
23PO373	1-56	Straight	None	No
23PO373	1-57	Convex	Flared outward	No
23PO373	1-58	Straight	None	No
23PO373	1-59	Convex	None	No
23PO373	1-60	Convex	None	No
23PO373	1-61	Straight	None	No
23PO373	1-62	Convex	None	No
23PO373	1-63	Convex	None	No
23PO373	1-64	Damaged	Diamond-shaped	No
23PO373	1-65	Damaged	Plane-convex	No
23PO373	1-66	Missing	Irregular	No
23PO373	1-67	Missing	None	No
23PO373	1-67	Missing	None	No

## APPENDIX B

### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Morphological Attributes (continued)		Modifications			
23PO373	1-68	Convex	None	Rhomboidal	None	Beveling-left	No
23PO373	1-69	Convex	None	Plano-convex	None	Unifacial	No
23PO374	1-1	Convex	None	Diamond-shaped	Blade	None	No
23PO374	1-2	Convex	None	Rhomboidal	None	Beveling-right	No
23PO374	1-3	Convex	None	Biconvex	None	None	No
23PO374	1-4	Convex	None	Biconvex	None	Unifacial	No
23PO374	1-5	Convex	None	Plano-convex	None	Unifacial	No
23PO374	1-6	Missing	Missing	Irregular	None	None	No
23PO374	1-8	Straight	None	Biconvex	Stem	None	No
23PO374	1-9	Damaged	Flared outward	Biconvex	None	None	No
23PO374	1-10	Convex	None	Biconvex	None	Unifacial	No
23PO374	1-11	Convex	None	Plano-convex	None	Unifacial	No
23PO374	1-12	Missing	Missing	Rhomboidal	Blade	Beveling-right	No
23PO374	1-13	N/A	N/A	N/A	None	None	No
23PO374	1-14	Straight	None	Biconvex	Stem	None	No
23PO374	1-15	Concave	None	Biconvex	None	None	No
23PO374	1-16	Straight	Flared outward	Biconvex	None	None	No
23PO374	1-17	Concave	None	Biconvex	Stem	None	No
23PO375	1-2	Rounded	None	Biconvex	Stem	None	No
23PO375	1-5	Damaged	None	Rhomboidal	None	Beveling-right	No
23PO375	1-4	Concave	None	Biconvex	Stem	None	No
23PO375	1-5	Convex	Flared outward	Biconvex	None	None	No
23PO375	1-6	Straight	None	Biconvex	None	None	No
23PO375	1-7	Damaged	None	Biconvex	None	None	No
23PO375	1-8	Missing	Missing	Plano-convex	None	Unifacial	No
23PO375	1-9	Missing	Missing	Biconvex	None	None	No
23PO375	1-10	Missing	Missing	Irregular	None	None	No
23PO375	1-11	Missing	Missing	Irregular	None	None	No
23PO375	1-12	N/A	N/A	N/A	None	None	No
23PO375	1-13	Missing	Missing	Plano-convex	None	Unifacial	No
23PO375	1-15	Concave	None	Irregular	None	None	No
23PO376	1-1	Concave	None	Biconvex	Stem	None	No
23PO376	1-2	Straight	None	Biconvex	Stem	None	No
23PO376	1-3	Straight	None	Biconvex	Stem	None	No
23PO376	1-4	Damaged	None	Biconvex	None	None	No

## APPENDIX B

### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Morphological Attributes (continued)	Modifications		
23PO375	1-5	Missing	Irregular	None	No
23PO376	1-6	Missing	Irregular	None	No
23PO376	1-7	Missing	Irregular	None	No
23PO377	1-1	Missing	Irregular	None	No
23PO377	1-2	Missing	Irregular	None	No
23PO377	1-3	Missing	Irregular	None	No
23PO377	1-4	Missing	Irregular	None	No
23PO377	1-6	Excavate	Unifacial	None	No
23PO377	1-7	Straight	Stem	Unifacial	No
23PO377	1-8	Convex	Biconvex	None	No
23PO377	1-9	Convex	Biconvex	None	No
23PO377	1-10	Convex	Stem	None	No
23PO377	1-11	Convex	Stem	None	No
23PO377	1-12	Straight	Biconvex	None	No
23PO377	1-13	Straight	Biconvex	None	No
23PO377	1-14	Missing	Biconvex	None	No
23PO377	1-15	Straight	Stem	None	No
23PO377	1-16	Straight	Biconvex	None	No
23PO377	1-17	Straight	Biconvex	None	No
23PO377	1-18	Missing	Biconvex	None	No
23PO377	1-19	Concave	Flared downward	None	No
23PO377	1-20	Convex	Biconvex	None	No
23PO377	1-21	Concave	Biconvex	None	No
23PO377	1-22	Concave	Biconvex	None	No
23PO377	1-23	Straight	Biconvex	None	No
23PO377	1-24	Straight	Biconvex	None	No
23PO377	1-25	Straight	Biconvex	None	No
23PO377	1-26	Straight	Biconvex	None	No
23PO377	1-27	Concave	Biconvex	None	No
23PO377	1-28	Straight	Biconvex	None	No
23PO377	1-29	Straight	Biconvex	None	No
23PO377	1-30	Straight	Stem	None	No
23PO377	1-31	Convex	None	None	No
23PO377	1-32	Straight	Asymmetrical	None	No
23PO377	1-33	Straight	Biconvex	Base & stem	No

APPENDIX B

Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Morphological Attributes (continued)	Modifications	No	
23PO377	1-34	Convex	Biconvex	None	No
23PO377	1-35	Convex	Biconvex	None	No
23PO377	1-36	Damaged	Biconvex	None	No
23PO377	1-37	Straight	Plano-convex	None	No
23PO377	1-38	Straight	Rhomboidal	None	Revealing left
23PO377	1-39	Damaged	Biconvex	None	None
23PO377	1-40	Convex	Biconvex	None	None
23PO377	1-41	Convex	Biconvex	None	None
23PO377	1-42	Damaged	Biconvex	None	None
23PO377	1-43	Concave	Biconvex	None	None
23PO377	1-44	Missing	Biconvex	None	None
23PO377	1-47	Convex	Biconvex	None	None
23PO377	1-48	Convex	Biconvex	None	None
23PO377	1-49	Convex	Biconvex	None	None
23PO377	1-50	Convex	Irregular	None	None
23PO377	1-51	Convex	Plano-convex	None	None
23PO377	1-52	Missing	Plano-convex	None	Unifacial
23PO377	1-53	Convex	Irregular	None	Unifacial
23PO377	1-54	Missing	Plano-convex	None	Unifacial
23PO378	1-1	Missing	Irregular	None	None
23PO378	1-2	Convex	Biconvex	None	None
23PO378	1-3	Straight	Biconvex	None	None
23PO378	1-4	Convex	Plano-convex	None	None
23PO378	1-5	Missing	Biconvex	None	None
23PO379	1-1	Convex	Biconvex	Base	None
23PO379	1-2	Convex	Biconvex	None	None
23PO379	1-3	Concave	Biconvex	Base & stem	None
23PO379	1-4	Convex	Biconvex	Stem	None
23PO379	1-5	Missing	Irregular	None	None
23PO380	1-1	Concave	Biconvex	Base & stem	None
23PO380	1-2	Convex	Biconvex	None	None
23PO380	1-3	Convex	Biconvex	Base & stem	None
23PO380	1-4	Convex	Biconvex	None	None
23PO380	1-5	Convex	Biconvex	Base & stem	None
23PO380	1-6	Damaged	Biconvex	None	None

APPENDIX B

Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Mod. biological Attributes (continued)	Modifications
23FO380	1-7	Rounded	None
23FO380	1-8	Straight	None
23FO380	1-9	Missing	None
23FO380	1-10	Straight	None
23FO380	1-11	Damaged	None
23FO380	1-12	Damaged	None
23FO380	1-13	Straight	None
23FO380	1-14	Convex	None
23FO380	1-15	Straight	None
23FO380	1-16	Missing	None
23FO381	1-1	Concave	None
23FO381	1-2	Concave	None
23FO381	1-3	Missing	None
23FO381	1-4	N/A	None
23FO381	1-5	Missing	None
23FO381	1-6	Missing	None
23FO381	1-7	Missing	None
23FO381	1-8	Convex	None
23FO381	1-9	Straight	None
23FO381	1-10	Convex	None
23FO381	1-11	Rounded	None
23FO381	1-12	Convex	None
23FO381	1-13	Convex	None
23FO381	1-14	Convex	None
23FO381	1-15	N/A	None
23FO381	1-16	Rounded	None
23FO381	1-17	Convex	None
23FO381	1-18	Convex	None
23FO381	1-19	Convex	None
23FO381	1-20	Straight	None
23FO381	1-21	Convex	None
23FO381	1-22	Straight	None
23FO381	1-23	Straight	None
23FO381	1-24	Pointed	None
23FO381	1-25	Damaged	None

APPENDIX B

Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Morphological Attributes (continued)		Modifications	
23PO381	1-26	Convex	None	Biconvex	None
23PO381	1-27	Concave	Flared downward	Biconvex	None
23PO381	1-28	Concave	Flared outward	Biconvex	None
23PO381	1-29	Concave	Flared downward	Biconvex	None
23PO381	1-30	Straight		Biconvex	None
23PO381	1-31	Damaged	None	Biconvex	Beveling-left
23PO381	1-32	Straight	None	Plano-convex	None
23PO381	1-33	Damaged	None	Biconvex	Stem
23PO381	1-34	Missing	Missing	Biconvex	None
23PO381	1-35	Missing	Missing	Biconvex	None
23PO381	1-36	Straight	None	Biconvex	None
23PO381	1-37	Straight	Horizontal	Plano-convex	None
23PO381	1-38	Straight	Horizontal	Biconvex	None
23PO381	1-39	Concave	None	Biconvex	None
23PO381	1-40	Concave	Pointed	Plano-convex	None
23PO381	1-41	Convex	None	Biconvex	None
23PO381	1-42	Straight	None	Biconvex	None
23PO381	1-43	Straight	None	Biconvex	None
23PO381	1-44	Convex	None	Diamond-shaped	None
23PO381	1-45	Convex	None	Biconvex	None
23PO381	1-46	Straight		Biconvex	None
23PO381	1-47	Convex	None	Biconvex	None
23PO381	1-48	Convex	None	Plano-convex	None
23PO381	1-49	Convex	None	Biconvex	None
23PO381	1-50	Convex	None	Plano-convex	None
23PO381	1-51	Damaged		Biconvex	None
23PO381	1-52	Missing	Missing	Biconvex	None
23PO381	1-53	Missing	Missing	Biconvex	None
23PO381	1-54	Missing	Missing	Plano-convex	None
23PO382	1-1	Concave	Incurved	Biconvex	Stem
23PO382	1-2	Missing	Missing	Biconvex	None
23PO382	1-3	Missing	Missing	Biconvex	None
23PO382	1-4	Convex	None	Plano-convex	Base
23PO382	1-5	Missing	Missing	Biconvex	None
23PO382	1-6	Missing	Missing	Biconvex	None

## APPENDIX B

### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Morphological Attributes (continued)	Modifications
23PO382	1-7	Straight	None
23PO382	1-8	Straight	Biconvex
23PO382	1-9	Straight	Biconvex
23PO383	1-1	N/A	Plane-convex
23PO383	1-2	Missing	N/A
23PO383	1-3	Missing	Irregular
23PO383	1-4	Missing	Biconvex
23PO383	1-5	None	Plane-convex
23PO383	1-6	Convex	Biconvex
23PO383	1-7	Convex	Plane-convex
23PO383	1-8	Convex	Biconvex
23PO383	1-9	Missing	Biconvex
23PO383	1-10	Convex	Diamond-shaped
23PO383	1-11	Straight	Biconvex
23PO383	1-12	Concave	Biconvex
23PO383	1-13	Straight	Biconvex
23PO383	1-14	Straight	Biconvex
23PO383	1-15	Straight	Plane-convex
23PO383	1-16	Convex	Biconvex
23PO383	1-17	Convex	Biconvex
23PO383	1-18	Straight	Biconvex
23PO383	1-19	Convex	Biconvex
23PO383	1-20	Straight	Biconvex
23PO383	1-21	Straight	Biconvex
23PO383	1-22	Straight	Biconvex
23PO383	1-23	Convex	Biconvex
23PO383	1-24	Straight	Biconvex
23PO383	1-25	Straight	Biconvex
23PO383	1-26	Concave	Flared outward
23PO383	1-27	Concave	Biconvex
23PO383	1-28	Straight	Phorboidal
23PO383	1-29	Convex	Biconvex
23PO383	1-30	Straight	Biconvex
23PO383	1-31	Missing	Biconvex
23PO383	1-32	Straight	Biconvex

**APPENDIX B**  
**Stone tools collected by Howard Wimmer**

Site No.	Cat. No.	Morphological Attributes (continued)		Modifications			Yes
				Biconvex	None	None	
23PO383	1-33	Damaged	None	Biconvex	None	None	No
23PO383	1-34	Damaged	None	Biconvex	None	None	No
23PO383	1-35	Damaged	Missing	Biconvex	None	None	No
23PO383	1-36	Straight	None	Biconvex	None	None	No
23PO383	1-37	Convex	None	Plano-convex	None	Unifacial	No
23PO383	1-38	Damaged	Missing	Biconvex	None	None	No
23PO383	1-39	Damaged	Missing	Biconvex	Blade	None	No
23PO383	1-40	Damaged	Missing	Rhomboidal	None	Beveling-right	No
23PO383	1-41	Straight	None	Plano-convex	Base & stem	None	No
23PO383	1-42	Damaged	Missing	Biconvex	Stem	None	No
23PO383	1-43	Missing	Missing	Irregular	None	None	No
23PO383	1-44	Missing	Missing	Biconvex	None	None	No
23PO383	1-45	Convex	None	Biconvex	None	None	No
23PO383	1-46	Convex	None	Plano-convex	None	None	No
23PO383	1-47	Damaged	None	Plano-convex	None	Unifacial	No
23PO383	1-48	Missing	Missing	Plano-convex	Stem	Unifacial	No
23PO383	1-49	N/A	N/A	N/A	None	Unifacial	No
23PO384	1-1	Convex	None	Biconvex	None	None	No
23PO384	1-2	Straight		Biconvex	None	None	No
23PO384	1-3	Convex		Biconvex	None	None	No
23PO384	1-4	Missing	Missing	Biconvex	None	None	No
23PO385	1-1	Convex		Biconvex	None	None	No
23PO385	1-2	Missing	Missing	Biconvex	None	None	No
23PO385	1-3	Straight		Irregular	Base	None	No
23PO385	1-4	Missing	Missing	Biconvex	None	None	No
23PO385	1-5	Straight	None	Biconvex	None	None	No
23PO385	1-6	Convex	None	Biconvex	None	None	No
23PO386	1-1	Recurved		Biconvex	None	None	No
23PO386	1-2	Convex	None	Biconvex	Base & stem	None	No
23PO386	1-3	Damaged		Biconvex	None	None	No
23PO386	1-5	Missing	Missing	Biconvex	None	None	No
23PO396	1-6	Missing	Missing	Unknown	Blade	None	No
23PO387	1-1	Straight	None	Biconvex	Stem	None	No
23PO387	1-2	Missing	Missing	Biconvex	Blade	None	No
23PO387	1-4	Missing	Missing	Plano-convex	None	None	No

## APPENDIX B

### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Morphological Attributes (continued)			Modifications	
23PO388	1-1	Missing	Missing	Biconvex	None	No
23PO388	1-2	Convex	None	Biconvex	None	No
23PO388	1-3	Convex	None	Biconvex	Base	No
23PO388	1-4	Missing	Missing	Biconvex	None	No
23PO388	1-5	Straight	Flared outward	Biconvex	None	No
23PO388	1-6	Missing	Missing	Biconvex	None	No
23PO388	1-7	Convex		Biconvex	None	No
23PO388	1-8	Straight		Biconvex	Base & stem	No
23PO388	1-9	Damaged	Missing	Biconvex	None	No
23PO388	1-10	Straight	None	Biconvex	None	No
23PO388	1-11	Recurved	Flared downward	Biconvex	None	No
23PO388	1-12	Straight		Biconvex	None	No
23PO388	1-13	Convex	None	Plano-convex	None	No
23PO388	1-14	Convex	None	Biconvex	None	No
23PO388	1-15	Convex		Biconvex	None	No
23PO389	1-1	Straight	Flared outward	Biconvex	Stem	No
23PO389	1-2	Straight	None	Biconvex	Stem	No
23PO389	1-3	Concave	Straight-sided	Biconvex	Stem	No
23PO389	1-4	Straight	None	Plano-convex	None	No
23PO389	1-5	Missing	Missing	Biconvex	None	No
23PO389	1-6	Missing	Missing	Biconvex	None	No
23PO389	1-7	Missing	Missing	Biconvex	None	No
23PO390	1-1	Missing	Missing	Biconvex	None	No
23PO390	1-2	Missing	Missing	Biconvex	None	No
23PO390	1-3	Missing	Missing	Biconvex	None	No
23PO391	1-1	Recurved	Flared outward	Biconvex	None	No
23PO391	1-2	Missing	Missing	Biconvex	None	No
23PO391	1-3	Straight	Flared outward	Biconvex	None	No
23PO391	1-4	Concave		Biconvex	None	No
23PO391	1-5	Damaged	Missing	Biconvex	None	No
23PO391	1-6	Missing	Missing	Biconvex	None	No
23PO391	1-7	Missing	Missing	Biconvex	None	No
23PO394	1-5	Missing	Missing	Biconvex	None	No
23PO394	1-6	Rounded	None	Biconvex	None	No
23PO394	1-7	Missing	Missing	Biconvex	None	No

APPENDIX B

Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Morphological Attributes (continued)				Modifications			
		Missing	Missing	Biconvex	Edge	Distal	No	No	No
23PO394	1-8	Missing	Missing	Biconvex	None	Unifacial	No	No	No
23PO394	1-9	N/A	N/A	N/A	None	Bifacial	No	No	No
23PO394	1-10	Missing	Missing	Biconvex	None	Bifacial	No	No	No
23PO394	1-11	Missing	Missing	Biconvex	None	None	No	No	No
23PO394	1-12	Missing	Missing	Biconvex	None	None	No	No	No
23PO394	1-13	Missing	Missing	Rhomboidal	None	Left	No	No	No
23PO394	1-14	5 in.		Plano-convex	None	None	No	No	No
23PO394	1-15	Missing	Missing	Biconvex	None	None	No	No	No
23PO394	1-16	Convex	None	Biconvex	Edge	Unifacial	No	No	No
23PO394	1-17	Missing	Missing	Plano-convex	None	Unifacial	No	No	No
23PO394	1-18	Missing	Missing	Plano-convex	None	Unifacial	No	No	No
23PO394	1-19	Concave	Straight-sided	Biconvex	Stem/base	Bifacial	No	No	No
23PO394	1-20	Concave		Biconvex	Stem/base	Unifacial	No	No	No
23PO394	1-21	Concave	Flared downward	Biconvex	Stem/base	None	No	No	No
23PO394	1-22	Concave	Cropped	Biconvex	Stem/base	None	No	No	No
23PO394	1-23	Rounded	None	Biconvex	Stem/base	None	No	No	No
23PO394	1-24	Concave	None	Biconvex	None	None	No	No	No
23PO394	1-25	Rounded	None	Plano-convex	Stem/base	None	No	No	No
23PO394	1-26	Straight	None	Biconvex	Stem/base	None	No	No	No
23PO394	1-27	Straight	None	Biconvex	None	None	No	No	No
23PO394	1-28	Straight	None	Biconvex	Stem/base	None	No	No	No
23PO394	1-29	Convex	None	Biconvex	Base	None	No	No	No
23PO394	1-30	Straight	None	Biconvex	Stem	None	No	No	No
23PO394	1-31	Concave	Cropped	Biconvex	Basal	None	No	No	No
23PO394	1-32	Concave	Pendular	Biconvex	None	None	No	No	No
23PO394	1-33	Concave	Flared downward	Biconvex	Stem	None	No	No	No
23PO394	1-34	Damaged		Biconvex	None	None	No	No	No
23PO394	1-35	Straight		Biconvex	None	None	No	No	No
23PO394	1-36	Concave	Flared outward	Biconvex	Stem	None	No	No	No
23PO394	1-37	Concave		Diamond-shaped	Stem	None	No	No	No
23PO394	1-38	Straight		Biconvex	Stem/base	None	No	No	No
23PO394	1-39	Concave		Biconvex	Base	None	No	No	No
23PO394	1-40	Concave		Biconvex	Stem/base	None	No	No	No
23PO394	1-41	Straight		Biconvex	Stem	None	No	No	No
23PO394	1-42	Concave		Biconvex	None	None	No	No	No

## APPENDIX B

### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Morphological Attributes (continued)				Modifications			
		Straight	None	Rhomboidal	None	Edge	Beveled left	None	No
23PO394	1-43	Straight	None	Biconvex	None	Edge	None	None	No
23PO394	1-44	Straight		Biconvex		None	None	None	No
23PO394	1-45	Recurved	Flared upward	Biconvex		None	None	None	No
23PO394	1-46	Straight		Biconvex		None	None	None	No
23PO394	1-47	Recurved	Flared outward	Biconvex		None	None	None	No
23PO394	1-48	Convex	Flared upward	Plano-convex		None	None	None	No
23PO394	1-49	Straight	Horizontal	Biconvex		None	None	None	No
23PO394	1-50	Concave	Horizontal	Biconvex		None	None	None	No
23PO394	1-51	Straight	Flared outward	Biconvex		None	None	None	No
23PO394	1-52	Straight		Plano-convex		None	None	None	No
23PO394	1-53	Straight		Biconvex		None	None	None	No
23PO394	1-54	Straight		Biconvex		None	None	None	No
23PO394	1-55	Missing	Missing	Biconvex		None	None	None	No
23PO394	1-56	Straight	None	Biconvex		None	None	None	No
23PO394	1-57	Missing	None	Biconvex		None	None	None	No
23PO395	1-2	Straight	None	Biconvex		Stem/base	None	None	No
23PO395	1-3	None		Unknown		None	None	None	No
23PO395	1-4	Missing	Missing	Biconvex		None	None	None	No
23PO395	1-5	Missing	Missing	Biconvex		None	None	None	No
23PO395	1-6	Convex	None	Biconvex		Stem/base	None	None	No
23PO395	1-7	Straight	None	Irregular		None	None	None	No
23PO395	1-8	Damaged		Biconvex		None	None	None	No
23PO395	1-9	Convex		Biconvex		None	None	None	No
23PO395	1-10	Pointed	None	Biconvex		Stem/base	Bifacial	None	No
23PO395	1-11	Straight	None	Biconvex		None	None	None	No
23PO395	1-12	Straight		Biconvex		Stem	None	None	No
23PO395	1-13	Concave		Biconvex		Stem	None	None	No
23PO395	1-14	Straight	None	Biconvex		None	None	None	No
23PO395	1-15	Convex		Biconvex		None	None	None	No
23PO395	1-16	None		Biconvex		Edge	None	None	No
23PO395	1-17	Convex		Irregular		None	Unifacial	None	No
23PO395	1-18	Convex	None	Biconvex		None	None	None	No
23PO396	1-1	Straight	None	Biconvex		None	None	None	No
23PO396	1-2	Damaged	None	Biconvex		None	None	None	No
23PO396	1-3	Missing	Missing	Biconvex		None	None	None	No

APPENDIX B

Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Morphological Attributes (continued)	Modifications
23PO397	1-1	Straight	Biconvex
23PO397	1-2	Damaged	Biconvex
23PO397	1-3	Damaged	Biconvex
23PO397	1-4	Missing	Biconvex
23PO410	1-1	Missing	Biconvex
23PO410	1-2	Convex	Biconvex
23PO411	1-1	Convex	Irregular
23PO411	1-2	Missing	Biconvex
23PO412	1-1	N/A	N/A
23PO412	1-2	Convex	Biconvex
23PO412	1-3	Convex	Biconvex
23PO412	1-4	Rounded	Biconvex
23PO412	1-5	Straight	Biconvex
23PO412	1-5	Concave	Biconvex
23PO412	1-7	Straight	Biconvex
23PO412	1-8	Missing	Biconvex
23PO412	1-9	Missing	Biconvex
23PO415	1-1	Straight	Biconvex
23PO415	1-2	Convex	Plano-convex
23PO415	1-3	Missing	Biconvex
23PO415	1-4	Missing	Biconvex
23PO415	1-5	Convex	Biconvex
23PO415	1-6	Convex	Plano-convex
23PO416	1-1	Straight	Biconvex
23PO416	1-2	Missing	Biconvex
23PO416	1-3	Convex	Biconvex
23PO416	1-4	Straight	Biconvex
23PO416	1-5	Convex	Biconvex
23PO416	1-6	Concave	Biconvex
23PO416	1-7	Straight	Irregular
23PO416	1-8	Convex	Unknown
23PO416	1-9	Damaged	Biconvex
23PO416	1-10	Missing	Biconvex
23PO417	1-1	Rounded	Biconvex
23PO417	1-2	Straight	Biconvex

## APPENDIX B

### Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Morphological Attributes (continued)			Modifications		
		Convex	None	Biconvex	Blade edge	None	No
23FO417	1-3	Convex	None	Biconvex	Blade edge	None	No
23FO417	1-4	Convex	None	Biconvex	None	None	No
23FO417	1-5	Concave	None	Irregular	None	None	No
23FO418	1-1	Concave	Straight-sided	Biconvex	Stem/base	None	No
23FO418	1-2	Missing	Missing	Biconvex	None	None	No
23FO418	1-3	Missing	Missing	Rhomboidal	None	Right	No
23FO418	1-4	Straight	Flared outward	Biconvex	None	None	No
23FO418	1-5	Concave		Biconvex	Base	None	No
23FO418	1-6	Damaged	None	Biconvex	None	None	No
23FO418	1-7	Missing	Missing	Biconvex	None	None	No
23FO419	1-2	Damaged	Flared downward	Biconvex	None	None	No
23FO419	1-3	Straight	None	Biconvex	Stem	None	No
23FO419	1-4	Missing	Missing	Biconvex	None	None	No
23FO419	1-5	Convex		Biconvex	None	None	No
23FO419	1-6	Missing	Missing	Biconvex	None	None	No
23FO419	1-7	Missing	Missing	Biconvex	None	None	No
23FO420	1-2	Missing	Missing	Plano-convex	None	None	No
23FO420	1-3	Missing	Missing	Biconvex	None	None	No
23FO420	1-4	Straight	None	Biconvex	None	None	No
23FO420	1-5	Straight	None	Plano-convex	None	Unifacial	No
23FO420	1-6	N/A	N/A	N/A	None	Unifacial	No
23FO420	1-7	None	None	Biconvex	None	None	No
23FO420	1-8	Damaged	Flared outward	Plano-convex	None	Unifacial	No
23FO420	1-9	Missing	Missing	Biconvex	None	None	No
23FO420	1-10	Convex	None	Biconvex	None	None	No
23FO420	1-11	Missing	Missing	Biconvex	None	None	No
23FO420	1-12	Straight	None	Biconvex	None	None	No
23FO421	1-1	Straight	None	Biconvex	None	None	No
23FO421	1-2	Convex	None	Biconvex	None	None	No
23FO421	1-3	Missing	Missing	Biconvex	None	None	No
23FO421	1-4	Missing	Missing	Irregular	None	None	No
23FO422	1-1	Straight	None	Plano-convex	None	Unifacial	No
23FO422	1-3	Convex	Flared outward	Biconvex	Base	None	No
23FO422	1-4	Missing	Missing	Biconvex	Edge	Unifacial	No
23FO422	1-5	Missing	Missing	Biconvex	None	None	No

APPENDIX B

Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Morphological Attributes (continued)			Modifications		
		Convex	None	Biconvex	Base	None	No
23FO422	1-6	Convex	None	Biconvex	Base	None	No
23FO422	1-7	Concave	None	Biconvex	Stem	None	No
23FO422	1-8	Missing	Missing	Biconvex	Stem	None	No
23FO422	1-9	Pointed	None	Plano-convex	Stem	None	No
23FO422	1-10	Pointed	None	Irregular	None	None	No
23FO422	1-11	Convex	None	Irregular	None	None	No
23FO422	1-12	Missing	Missing	Biconvex	None	None	No
23FO422	1-13	Missing	Missing	Biconvex	None	None	No
23FO422	1-14	Pointed	None	Biconvex	None	None	No
23FO422	1-15	Straight	None	Biconvex	Stem	None	No
23FO422	1-16	Straight	None	Biconvex	None	None	No
23FO422	1-17	Convex	None	Plano-convex	Edge	Unifacial	No
23FO422	1-18	Convex	None	Biconvex	None	None	No
23FO422	1-19	Convex	None	Irregular	None	left	No
23FO422	1-20	Straight	None	Biconvex	None	None	No
23FO422	1-21	Straight	None	Biconvex	None	None	No
23FO422	1-22	Straight	None	Biconvex	None	None	No
23FO422	1-23	Straight	None	Biconvex	None	None	No
23FO422	1-24	Concave	Flared downward	Biconvex	None	None	No
23FO422	1-25	Straight	Flared outward	Biconvex	None	None	No
23FO422	1-26	Concave	Asymmetrical	Biconvex	None	None	No
23FO422	1-27	Straight	Flared outward	Biconvex	None	None	No
23FO422	1-28	Straight	Flared outward	Biconvex	None	None	No
23FO422	1-29	Straight	None	Biconvex	None	None	No
23FO422	1-30	Convex	None	Biconvex	None	None	No
23FO422	1-31	Straight	None	Biconvex	None	None	No
23FO422	1-32	Straight	None	Biconvex	None	None	No
23FO423	1-1	Damaged	Missing	Biconvex	Stem	None	No
23FO423	1-2	Straight	None	Plano-convex	None	Unifacial	No
23FO423	1-4	Straight	None	Plano-convex	None	Unifacial	No
23FO423	1-5	Missing	Missing	Biconvex	None	None	No
23FO423	1-6	Missing	Missing	Biconvex	None	None	No
23FO423	1-7	Convex	None	Biconvex	None	None	No
23FO423	1-8	Convex	None	Biconvex	None	None	No
23FO423	1-9	Convex	None	Plano-convex	None	None	No

APPENDIX B  
Stone tools collected by Howard Wimmer

Site No.	Cat. No.	Morphological Attributes (continued)				Modifications		
		Concave	Flared outward	Biconvex	Stem	Stem	None	No
23PO424	1-1	Concave	Flared outward	Biconvex	Stem	None	No	
23PO424	1-2	Convex	None	Biconvex	Stem	None	No	
23PO424	1-3	Convex	None	Biconvex	None	None	No	
23PO424	1-4	Straight	None	Biconvex	None	None	No	
23PO424	1-5	Missing	Missing	Biconvex	None	None	No	
23PO424	1-6	Missing	Missing	Biconvex	None	None	No	
23PO425	1-1	Damaged	Missing	Biconvex	None	None	No	
23PO425	1-2	Damaged	None	Biconvex	None	None	No	
23PO425	1-3	Straight	None	Irregular	Basal edge	None	No	
23PO430	1-1	Straight	Flared outward	Biconvex	Base	None	No	
23PO430	1-2	Concave	Incurved	Biconvex	Stem/base	None	No	
23PO433	1-1	Convex	None	Biconvex	None	None	No	
23PO433	1-2	Missing	Missing	Biconvex	None	None	No	
23PO434	1-1	Missing	Missing	Biconvex	None	None	No	
23PO435	1-1	Concave	Pendular	Biconvex	Stem/base	None	No	
23PO435	1-2	Missing	Missing	Biconvex	None	None	No	
23PO435	1-3	Convex	None	Irregular	None	Unifacial	No	
23PO435	1-4	Missing	Missing	Irregular	None	None	No	
23PO440	1-1	Concave	Cropped	Biconvex	Base	None	No	
23PO443	1-2	Pointed	None	Biconvex	Stem/base	None	No	
23PO443	1-3	Straight	None	Irregular	None	None	No	
23PO443	1-4	Convex	None	Biconvex	None	None	No	
23PO443	1-5	Rounded	None	Irregular	None	Unifacial	No	
23PO446	1-1	Convex	None	Biconvex	None	None	No	
23PO446	1-2	Concave	None	Biconvex?	Base	None	No	
23PO446	1-3	Convex	None	Biconvex	None	Unifacial	No	
23PO451	1-1	Convex	None	Biconvex	None	Unifacial	No	
23PO451	1-2	Straight	None	Irregular	None	None	No	
23PO451	1-3	Missing	Missing	Biconvex	None	None	No	