TREE-RING CHRONOLOGICAL ANALYSIS OF ANCESTRAL PUEBLOAN TRANSITIONS IN THE FLAGSTAFF AREA

By. Galen L. McCloskey

A Thesis

Submitted in Partial Fulfillment

of the Requirements for the Degree of

Master of Arts in Archaeology

Northern Arizona University

May 2018

Pending Approval:

Christian E. Downum, Ph. D., Chair

Francis E. Smiley, Ph. D.

Miguel L. Vasquez, Ph. D.

Ronald H. Towner, Ph. D.

ABSTRACT

The chronology of prehistoric cultural developments within the American Southwest has been a subject of interest and debate since the archaeologists began to study the region. Although archaeologists have recognized patterns of aggregation throughout the Southwest, the degree to which the patterns are synchronous through prehistory remains uncertain. My thesis research focuses on the development of a cultural chronology of the prehistoric Flagstaff area ranging from A.D. 650 to A.D. 1400, which I construct using tree-ring data and compare to a MCD chronology. I compiled data from three quadrangles ranging from 34° to 36° north, and 111° to 113° west, which includes dates and ceramic typologies from multiple projects. The results reveal several problems with regional tree-ring chronology datasets, related to site representation in the dataset, problems with tree-ring interpretations, and potential problems with sample bias.

ACKNOWLEDGEMENTS

I would like to thank the members on my committee Dr. Christian E. Downum, Dr. Francis E. Smiley, Dr. Miguel L. Vasquez, and Dr. Ronald H Towner. I would also like to thank Garret Briggs for lending me his thesis data and offering to help understand his findings at Wupatki Pueblo. Thank you to Dr. Christian E. Downum and Daniel Garcia for providing data on mean ceramics dating of the Flagstaff area. And thank you to Dr. Ronald H. Towner for helping me to collect the dates for tree-ring samples in the study area. I would also like to thank Rebecca Renteria for sharing ideas on graphic design and making suggestions to improve the clarity.

TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

CHAPTER 1: BIG DATA AND CHRONOLOGIES

In this thesis, I explore the viability of using large tree-ring and mean ceramic date (MCD) datasets to interpret the past behavior of people indigenous to the Flagstaff area. I specifically examine habitation patterns and locations on the landscape over the period of A.D. 650 to 1400. This research tests a hypothesis on cultural development in Southwest prehistory by examining changes in habitation patterns on a smaller regional scale. My analysis examines changes in habitation patterns and site composition over the 750-year period. Scrutiny of the datasets, however, reveals possible additional explanations for the apparent changes that are not necessarily linked to the decisions of people in the past.

Purpose of Research

In my research, I examine the of punctuated equilibrium hypothesis in the context of human cultural development. The application of punctuated equilibrium was originally put forth by Michael S. Berry in *Time, Space, and Transition, in Anasazi Prehistory* (1982). In the book Berry attempted to link large datasets of tree-ring and radiocarbon dates and to synthesize an explanation for transition periods due to climatic conditions in the Ancestral Puebloan past. More recently, Bocinsky et al. (2016) have focused entirely on tree-ring data and have identified phases of aggregation and expansion linked to climatic changes across the Southwest. In my research, I explore two questions:

1) Does the Flagstaff area tree-ring chronology show a pattern indicative of a punctuated equilibrium model, and does that model match with the Southwest region, as described by Bocinsky et al. (2016)?

2) If Flagstaff area prehistory accords with the punctuated equilibrium model, does the fit accurately reflect past human behavior, or could there be another cause?

My first goal is simply to determine whether patterns of aggregation at a smaller scale (Flagstaff area) reflect the patterns observed at a larger scale (the Southwest). If that is the case, then my intent is to examine the data to determine whether possible causes exist for the settlement patterns and chronological sequence and explore viable methods for building tree-ring chronologies.

Significance of Research

This research is part of an ongoing debate about patterns of settlements from Basketmaker III through Pueblo IV stages of prehistory in the northern Southwest. I will, however, only be exploring the viability of punctuated equilibrium within the Flagstaff area, so my finding may have little bearing on the activities occurring in other areas of the Southwest. Even so, my findings could have wider implications for tree-ring research and research involving large datasets that consist of other dating methods in other regions of the Southwest.

Research conducted by archaeologists over the last century has produced a wealth of data with which to test hypotheses. My research uses quantities of tree-ring dates and MCD as proxies for periods of human settlement activity in the past. Additionally, by exploring the causes for date distribution patterns, I attempt to determine the degree to which the activities of modern people, such as the construction of highways, the designation National Monuments, and the choices of archaeologists influence the patterns observed. My findings could impact the interpretations of human activities over a large area.

Furthermore, I explore the viability of using a single dataset, such as tree-ring dates, for making interpretations. To address the issue, I include data on MCD to compare to the distributions of tree-ring dates. However, MCD presents its own set of problems when it comes to accurate interpretations. Because the date ranges of ceramic styles are derived from tree-ring data, there is a potential for circular reasoning when incorporating MCD to interpretations. The advantage of MCD comes from the greater number of MCD dated sites (n=3,348), as opposed to the limited number of sites dated by tree-rings (n=131). It is my hope that my combining both dating methods, I can produce more complete illustration of the Flagstaff area prehistory.

Organization of Thesis

In Chapter 2, I discuss the background of the Flagstaff area. I describe the geography and climate of the region. I describe the phases of the Sinagua archaeological culture as described by Harold S. Colton (1948). Finally, I go into detail about the hypothesis of Bocinsky et al. (2016), and how their model applied to the study area. In Chapter 3, I present a review of the different theories that apply to the punctuated equilibrium hypothesis from Berry (1982) through Bocinsky et al. (2016). In Chapter 4, I explain the theoretical basis through which I interpret the tree-ring and ceramic data. I use ideas from behavioral archaeology and site formation processes to evaluate significance of dates (LaMotta and Schiffer 2001; Schiffer 1983), independent dating theory to assess the ability to precisely and accurately date events related to human behavior (Dean 1978), and problems which can occur with tree-rings sample taken from archaeological context (Smiley and Ahlstrom 1998). In Chapter 5, I describe the methods I use to collect data on tree-ring samples and MCD, and how the methods will produce results. In Chapter 6, I present the results based on interpreting individual sites, building a chronology based on tree-rings, and

building a chronology on MCD. Finally, in Chapter 7, I discuss the findings of my research, and my interpretations of the results, comparing them to the hypothesis of Bocinsky et al. (2016).

CHAPTER 2: FLAGSTAFF ARCHAEOLOGY

In this section, I describe the area surrounding Flagstaff, in northern Arizona. This area extends east to west between the Little Colorado River and Bill Williams Mountain, and from north to south between the Grand Canyon and the Verde Valley. The area features many notable archaeological sites of the Sinagua cultural tradition that have provided interesting research into the behaviors of prehistoric peoples who inhabited the region (Briggs 2017; Colton 1942, 1946, 1960; Downum 1988; Ahstrom and Downum 2014; Elson et al. 2002; Garcia 2004; Pilles 1976; Smiley 1958).

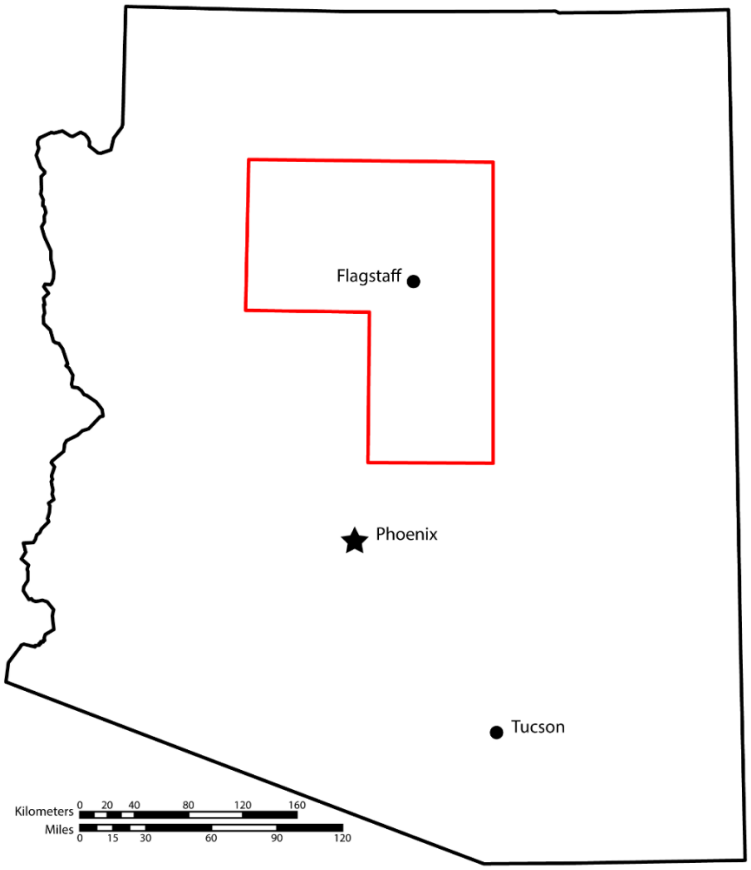


Figure 2.1. Map of Arizona showing the study area.

Specifically, my research will encompass the three quadrangles defined between the latitudes of 34° and 36° north, and the longitudes of 111° and 113° west. The Laboratory of Tree-Ring Research at the University of Arizona assigns each quadrangle within a state a letter designation (Bannister et al. 1966; Robinson et al. 1975). The target quadrangles for this research are quadrangles Arizona H, I, and O (Figure 2.1).

Landscape

The most notable geographic features in the research area are the San Francisco Peaks, located north of Flagstaff, which a number of modern native groups consider sacred (Glowacka et al. 2009). The peaks were once active volcanoes, part of a larger chain of volcanoes in the area extending roughly 65 km east to west. The most prominent is Humphrey's Peak the highest peak in Arizona, at 12,635 feet. The last volcanic eruption in the area occurred sometime in the mid-to-late eleventh with eruption of Sunset Crater east of the San Francisco Peaks, spreading ash across the landscape (Elson and Ort 2012).

The area around Flagstaff is semi-arid, with high evaporation rates, limited rainfall, and few sources of natural springs or rivers (Colton 1946). The founder of the Museum of Northern Arizona, Harold S. Colton, gave the prehistoric culture in the area the name 'Sinagua,' translated from Spanish as 'without water' (Colton 1939). However, the ash left behind from the Sunset Crater eruption increased infiltration of water into the ground, which helped to limit the loss of water due to runoff and evaporation. This likely aided agriculture in the area, although the effects did not last (Elson et al. 2008; Sullivan and Downum 1991; Colton 1960).

The plant life around Flagstaff varies depending on the elevation. At the lowest elevations, a variety of grasses, interspersed with pinyon (*Pinus edulis*) and juniper trees (*Juniperus monosperma*), comprise the vegetation (Berlin et al. 1990). Moving up in elevation,

Ponderosa pine (*Pinus ponderosa*) trees become the most numerous tree species. Farther upslope there are Douglas-fir (*Pseudotsuga menziesii*), and Bristlecone pines (*Pinus aristata*) at the highest elevation for plant species.

Archaeology

Historically, Sinagua sites have been divided into different groups known as *foci or phases*. These terms were used to denote a culture type that persisted over a period of time and in certain regions, with designation based on characteristics of the archaeology, such as architecture or ceramics styles (Colton 1946:14). In the Flagstaff area, these groups were separated into groups based on whether they occurred before or after the eruption of Sunset Crater (Downum 1988:34). For the purpose of my research I use the term *phase*, but will combine the foci of Angell, Winona, and Padre into a single phase.

The Sinagua culture inhabited the areas around Flagstaff from around A.D. 600 to 1400. Some of the most notable sites of the Sinagua are today National Monuments, and include Wupatki, Tuzigoot, Montezuma Castle, and cliff dwellings within Walnut Canyon. The Sinagua subsisted in the region by using a variety of agricultural techniques to grow corns, beans, and squash, as well as *Chenopodium* and *Amaranthus* in ridge-and-mound systems (Berlin et al. 1990; Colton 1946).

Before the eruption of Sunset Crater, the Sinagua lived in groups of pit houses, typically associated with alluvial soils with the best potential for agriculture. Three phases made up the pre-eruption occupation periods of the area: The Cinder Park phase (A.D. 550-830), the Sunset Phase (A.D. 830-1030), and the Rio de Flag phase (A.D. 1030-1085) (Ahlstrom and Downum 2014:303-304) (Table 2.1).

After the eruption of Sunset Crater, people in the Flagstaff area reorganized themselves, and large settlements such as Wupatki emerged at around A.D. 1130. Regional population appears to have peaked between A.D. 1130 to 1225, and then steadily decreased through the late 1300s (Colton 1936:339). The post-eruption phases include Angell-Winona-Padre phase (A.D. 1064-1150), Elden phase (A.D. 1150-1225), Turkey Hill phase (A.D. 1225-1275), and Clear Creek phase (A.D. 1275 to A.D. 1400) (Ahlstrom and Downum 2014:304-305) (Table 2.1).

Table 2.1. Phases of Flagstaff area archaeology

Phase	Years A.D.
Cinder Park	550 – 830
Sunset	830 – 1030
Rio de Flag	1030 – 1085
Angell-Winona-Padre	1085 – 1150
Elden	1150 – 1225
Turkey Hill	1225 – 1275
Clear Creek	1275 - 1400

The ash from the Sunset Crater eruption undoubtedly affected the people inhabiting the area at time. The eruption had several effects, including slow moving lava flows, ash accumulation across much of the landscape, and a volcanic plume that would have been visible as far away as the modern border between Arizona and Mexico (Elson and Ort 2012; Elson et al. 2002; Ort et al. 2008:370). Besides the dangers, the eruption would have impacted the culture of nearby inhabitants, with likely had spiritual implications, which still exist Hopi oral traditions (Elson et al. 2002). Decades after the eruption, people began to move back to the area, perhaps due to increased agricultural potential from the volcanic ash deposited during the eruption (Berlin et al. 1990; Colton 1960; Sullivan and Downum 1991).

In the larger context of the prehistoric Southwest, the Sinagua are near the northwestern periphery. Often studied as a separate group from the rest of the culture groups of the Southwest

(Colton 1946, 1960), the Sinagua like had influences from several cultures Groups. To the west there was the Cohonino culture, to the north there was the Kayenta culture, and to the south the Hohokam culture. the Sinagua also shared commonalities with the Salado culture in the Verde Valley south of Flagstaff. Similarities include architecture and ceramics design, as well burial patterns, likely derived from a common ancestry (Pilles 1976).

Other ideas about Sinagua being part of a larger Colorado Plateau community have been proposed, though largely they are included with all the other groups, with little consideration to detail. In his book *Time, Space, and Transition in Anasazi Prehistory* (1982), Berry proposes the idea that large above-ground structures represent periods of aggregation due to poor climatic conditions. These sites served refuges for migrant farmer and would allow cultural exchange between groups that shared the land. When farming conditions improved, the inhabitants dispersed across the landscape, marking the beginning of a new cultural phase (Berry 1982).

In a similar synthesis of tree-ring data from the U.S. Southwest, Bocinsky and other researchers from Washington State University expanded the area of study, including the Flagstaff area (Bocinsky et al. 2016). Unlike Berry (1982), Bocinsky et al. reversed the causation of dispersal across the landscape, claiming that periods of low harvest broke up communities: "We build this argument on considerable evidence from Neolithic societies in general … that ritual practices on which agricultural success depended were critical to holding communities together. When harvests fail, ritual practices—and the leaders responsible for them—lose their ability to maintain community participation and cooperation" (Bocinsky et al. 2016:1-2). The hypothesis of Bocinsky et al. (2016) divides the Southwest chronology into five phases of cultural development based on subperiods of aggregation and disaggregation. Each phase includes two subperiods termed "exploration" and "exploitation" (Table 2.2).

Table 2.2. Dates ranges of phases and subperiod for the Southwest.

Phase	Phase Range	Exploration Range	Exploitation Range
Basketmaker III	500 – 700	500 – 600	600 – 700
Pueblo I	700 – 890	700 – 790	790 – 890
Pueblo II	890 – 1145	890 – 1035	1035 – 1145
Pueblo III	1145 – 1285	1145 – 1200	1200 – 1285
Pueblo IV	1285 – 1400	1285 – 1400	-

From Bocinksy et al. (2016:Table 1)

The authors described exploration subperiods as times when inhabitants of the Colorado Plateau dispersed across the landscape and made extensive use of the deadwood resources, which the researchers observed by the greater number of noncutting tree-ring dates, and fewer cutting dates. The researchers detected subperiods of exploitation by a greater number of cutting dates in the tree-ring record, which occurs because larger populations move into an area with greater agricultural yields. This lead inhabitants to quickly deplete the easily accessible deadwood in the area and for the inhabitants to harvest live trees for construction (Bocinsky et al. 2016:4).

What influences the behavior of people to aggregate and disperse during these phases is based on climatic variability in the region. The researchers named areas where people aggregated "maize farming niches," and provide evidence of them with climate models reconstructed from tree-ring data. A maize farming niche could support more intensive farming than other areas, and therefore support a larger population. When areas received higher amounts of rainfall, it would attract migrants from surrounding areas. When the amount of rainfall decreased in those areas, societies would disperse (Figure 2.2).

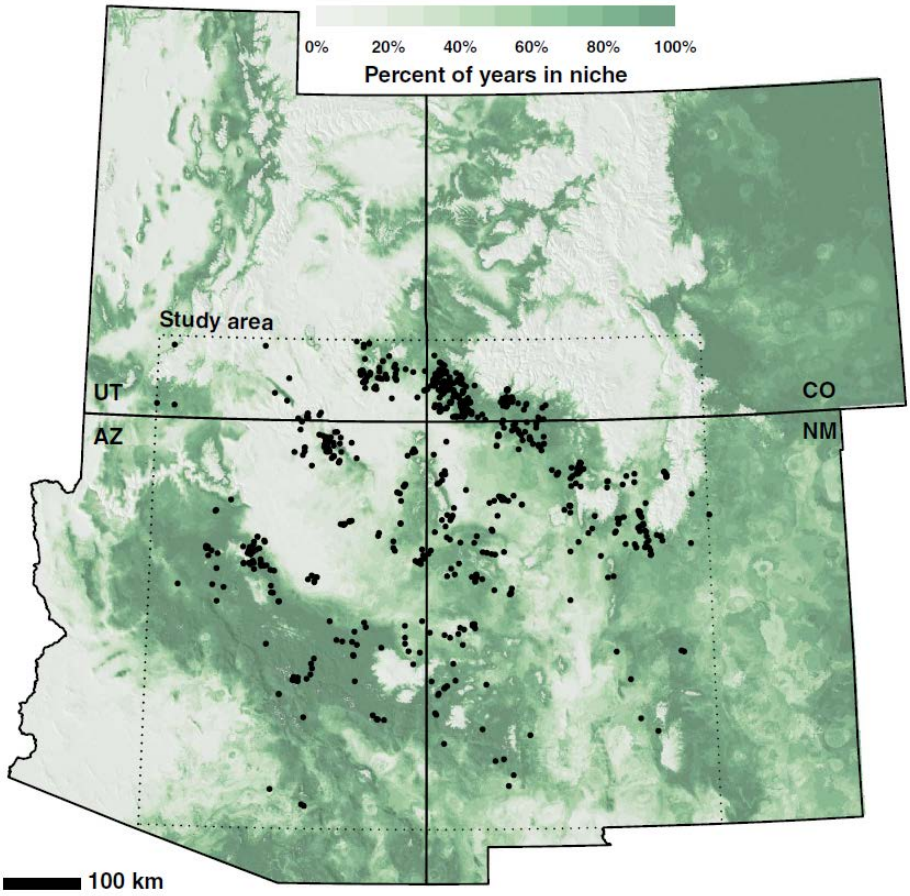


Figure 2.2. Map of Utah, Arizona, Colorado, and New Mexico. Black dots indicate sites with tree-ring data, and shades of green indicate areas with percentage of year within a maize farming niche, from Bocinsky et al. 2016.

I use the results of my research to compare directly with the broader Southwest region distribution patterns described by Bocinksy et al. (2016) and determine if the Flagstaff region follows the same patterns. Furthermore, I compare the tree-ring based chronologies from both the Southwest and the Flagstaff area to a chronology based on MCD, to test the viability of tree-ring chronology building. If the distribution patterns match, both temporally and spatially, then I will have evidence that accurate chronology building could be possible with current datasets.

CHAPTER 3: PREVIOUS RESEARCH OF CULTURE DEVELOPMENT IN THE SOUTHWEST

In the Prehistoric Southwest, there is a debate about the consistency of habitation where one side termed "punctuated-equilibrium" debates against a theory of "gradualism." These terms are borrowed from evolutionary biology and refer to how species change over time, either through constant gradual change (gradualism), or periods of equilibrium, interspersed with periods of rapid change (punctuated-equilibrium) (Eldredge and Gould 1972). In the Southwest, Punctuated-equilibrium is characterized by defining periods in which inhabitants of the Colorado Plateau aggregated into discrete locations due to climatic variation, which limited areas in which maize agriculture is possible. This resulted in the emergence of new cultural practices, which define a phase (Berry 1982; Benson and Berry 2009; Bocinsky et al. 2016) and are commonly labeled according the Pecos classifications (Kidder 1927). Gradualism on the other hand, argues that cultures developed continuously throughout the Southwest, and that periods of accelerated cultural development did not occur, claiming that it is the research biases of archaeologists that create patterns in chronologies. While, other approaches have been suggested, that deemphasize interpreting prehistory in general terms (Cordell and Plog 1979).

Cultural Development

In 1979, two publications began that would turn into an ongoing debate in southwestern archaeology. The first tries to restructure the way archaeologists in the Southwest interpret the vast amount of information available. Linda S. Cordell and Fred Plog (1979) argued against a normative approach, whereby the strategies of archaeologists obscured variability in the record and lead interpretations astray. In the same year, a publication on cultural and demographic shifts

coinciding with climatic variable combined several archaeometric methods to reconstruct patterned migration and socioeconomic changes (Euler et al. 1979).

Michael S. Berry's book *Time, Space, and Transition in Anasazi Prehistory* (1982) is the first publication to champion an idea of synchronic cultural development across the Southwest, based on the frequency of tree-ring and radiocarbon dates across the Colorado Plateau. This hypothesis was a form of punctuated equilibrium, in that cultural development not only happened over a short period, but that the development occurred over the entire Colorado Plateau. Berry claimed to have found a patterning of tree-ring dates, where an increase in the frequency of cutting dates indicates large aggregation as inhabitants of the Colorado Plateau moved to higher elevations and increased their populations. This assertion came under heavy criticism based on Berry's tendencies to overlook contrary evidence, and misinterpretations of tree-ring dates (Cordell 1983; Dean 1985; Irwin-Williams 1985). However, other reviews were more favorable to Berry's approach (Vlasich 1984).

Shortly after the publication of Berry's book, critics published reviews pointing out many of the logical flaws or geographical areas that Berry overlooked. The first review was Irwin-William, who made reference to Berry as a "graduate student" over-zealously trying to "debunk" the mainstream view (Irwin-Williams 1985:45). Furthermore, Irwin-Williams discusses three sites she was familiar with and accused Berry of dismissing or distorting the existing archaeological record at the time (Irwin-Williams 1985:46).

The following year, Cordell published another review of *Time, Space, and Transition*, in which Cordell praised Berry's attempt to piece together a chronology of the Colorado Plateau, but pointed out major flaws in his assertions (Cordell 1983). Like Irwin-Williams, Cordell provided example of sites with data that would refute Berry's claims and pointed out flaws in

Berry's scholarship and citation habits (Cordell 1983: 116). Although Cordell found problems in Berry's reasoning, she did believe southwestern archaeologists should be having the debate he started (Cordell 1983:117).

In 1984, Vlasich's review of *Time, Space, and Transition* had more good things to say for Berry than previous reviews. Vlasich praised Berry's book as "innovating, daring, and thought provoking" (Vlasich 1984:202). This review is the only review to provide an overall positive review for Berry's book.

Probably the most critical review, and the only one to which Berry felt inclined to respond, was published in 1985 by Jeffrey S. Dean. Dean's background in dendrochronology allowed him to critique Berry's use of chronometric dates. In the review, Dean accused Berry of ignoring sites, and omitting data: "by considering only radiocarbon or tree-ring dated sites, Berry deprives himself of relevant data from the hundreds of excavated sites that are not so dated" (Dean 1985:704). Dean also faulted Berry's book for failing to acknowledge factors such as lack of archaeological interest in sites, neglect from archaeologists with other sites, poor preservation, well preserved sites skewing the count of tree-ring dates, and intentional burning by prehistoric inhabitants (Dean 1985:705). Overall, Dean found Berry's idea weak, both empirically and theoretically, but did acknowledge the book contributed ideas for southwestern archaeologists to consider (Dean 1985:705).

In the same year as Dean's review, Berry responded point by point to Dean's criticisms. Berry rebutted Dean for trying to preserve old notions of archaeologists, and for trying to use ceramic types to fill in gaps left by radiocarbon and tree-ring dates (Berry 1985:648-649). Berry defended his omission of non-cutting dates because they either did not provide plausible data, or they fit the same trends as cutting dates, arguing they were not relevant (Berry 1985:649). Berry

also defended his interpretation of behavioral responses to decade long droughts by saying his model only implies increased migration during those droughts (Berry 1985:649). Finally, Berry also makes note of Cordell (1983) and Dean (1985) referencing unpublished studies in their reviews.

In 2009, Larry V. Benson and Berry published an article on culture changes during long periods of megadroughts, linked to the Pacific Decadal Oscillation (PDO). The authors used tree-ring data from the Southwest and coral data from the Pacific Ocean to demonstrate that there is an increase in cutting date frequencies during periods of PDO-induced megadroughts (Benson and Berry 2009:93). The authors argue that megadroughts contributed to the collapse of ancient societies in the Southwest. The authors explain that when megadroughts set in, inhabitants would have to move to higher elevations or out of the drought-stricken area. However, the authors believed that the stress of crop failures and the large area that a megadrought encompasses lead to many deaths of Southwest inhabitants, which accounts for the lower number of tree-ring dates (Benson and Berry 2009:110).

More recently, the idea of punctuated equilibrium has resurfaced as a way to characterize the cultural development in the Southwest (Bocinsky et al. 2016). Using the same approach that Berry described in *Time, Space, and Transition in Anasazi Prehistory* (1982), Bocinsky et al. combined a larger dataset of tree-ring dates from all over the Southwest, including sites outside of the Colorado Plateau. Bocinsky et al. (2016) used the much larger dataset of tree-ring dates in conjunction with prehistoric climate data to place sites with large sets of tree-ring dates in areas the authors deemed “maize farming niches.” Their findings were much the same as Berry’s findings, in that widespread drought forced societies to reorganize to better cope with less food availability. However, where Berry argued for aggregation at higher elevation during droughts,

while Bocinsky et al. claim that poor rainfall caused a breakdown in society, which led to dispersal of the inhabitants, spreading out across the landscape (Bocinsky et al. 2009:1-2).

Bocinsky et al. did find date distribution that would increase in the number of tree-ring dates during specific periods, lasting between 50 to 100 years, before decreasing in number for another 50 to 100 years (Bocinsky et al 2016:Figure 2). The authors grouped the periods of low and high tree-ring counts into phases lasting for 100 to 200 years, and labeled the phase with the Pecos classification, between Basketmaker III and Pueblo IV (A.D 500 to 1400). The authors also divided the phases into subperiods. The subperiod termed "exploration" occurred during period of low tree-ring date counts, when people spread out across the landscape and utilized more dead wood. The subperiod termed "exploitation" occurred with high tree-ring date counts, when people would migrate the maize farming niches, and harvest live trees (Bocinsky et al. 2016:1).

Other ideas around abandonment in the Southwest have been formulated. Steadman Upham proposed seeing the patterns in the archaeological record as adaptive strategies, rather than outright abandonments (Upham 1984). Upham argued that during period of marginal agriculture, inhabitants of an area would adjust their subsistence strategies and rely more on hunting and gathering, rather than abandoning an area altogether. When conditions suitable for agriculture return, people in the area rely more on farming for subsistence (Upham 1984). Upham believed that people living in an area prone to droughts would not lock themselves into one mode of survival, and collapse once the climate shifts (Upham 1984:251).

Previous Research Conclusion

As archaeology continues gather more data about the past, the emergence of large datasets can be useful for looking for temporal and spatial distributions that reflect the activities

of people in the past. However, the approach taken to interpreting the data can influence the outcome of the research, especially if researchers do not understand the context in which the data are collected. The methods used by archaeologists to collect data depends on the research they are conducting, be it personal, academic, or contract archaeology. Currently, the datasets of tree-ring samples are impressively large, and it could be large enough to accurately reflect the past. But it is possible that as more data are collected, that current date distributions change.

CHAPTER 4: HUMAN BEHAVIOR, NATURAL PROCESSES, AND TREE-RINGS

For the centuries that people farmed in the Southwest, periods of aggregation, followed by population movements, have shaped the region's cultural development. Due to the unique qualities of the climate, environments, and vegetation of the region, dendrochronology has proven an invaluable tool for deciphering these patterns. However, the reasons behind the decisions people make to move from one area to another are not always clear. I draw on the theoretical structure of behavioral archaeology to understand the patterns of cultural deposits through the southwestern United states.

Factors driving the behaviors of groups and individuals are numerous. When analyzing the interaction between people and their environment, behavior must need a definition. "Behavior" defines the interactions between living individuals with their material world (Reid et al. 1975). The results can reflect the actions of an individual or a group of individuals. It can reflect the practical interactions with the material world, and can reflect those individual's ideology, values, and attitudes.

The study of material culture is the means by which archaeology attempts to decipher the culture of the people who produced those materials. It is, therefore, essential to understand all the processes that affect material culture. Forces outside the control of humans also affect objects modified by humans. A timber shaped by human hands grew by influences of the environment. After abandonment of a structure, that same timber potentially underwent processes of recycling, reuse, reclamation, or decay (LaMotta and Schiffer 2001). To ignore the factors that affect the material culture, is to ignore formation process of the archaeological record, which can skew interpretations.

Behavioral archaeology refers to the processes that affect material culture as a "life history" (LaMotta and Schiffer 2001). Procurement, manufacturing, use, discard, and deterioration help to define the life history of an object. There is also the potential for the object to be subjected to reuse, recycling, or reclamation (Figure 4.1). In the archaeological record, construction timbers are particularly susceptible to the latter processes, due to the difficulties of procuring new timbers. Reuse and recycling, in particular, may influence tree-ring interpretations. Timbers from older rooms and pit houses can be subject to reuse for construction of new structures, and recycling can occur if old timbers are used as firewood. That behavior is compounded by the use of deadwood from the forest.

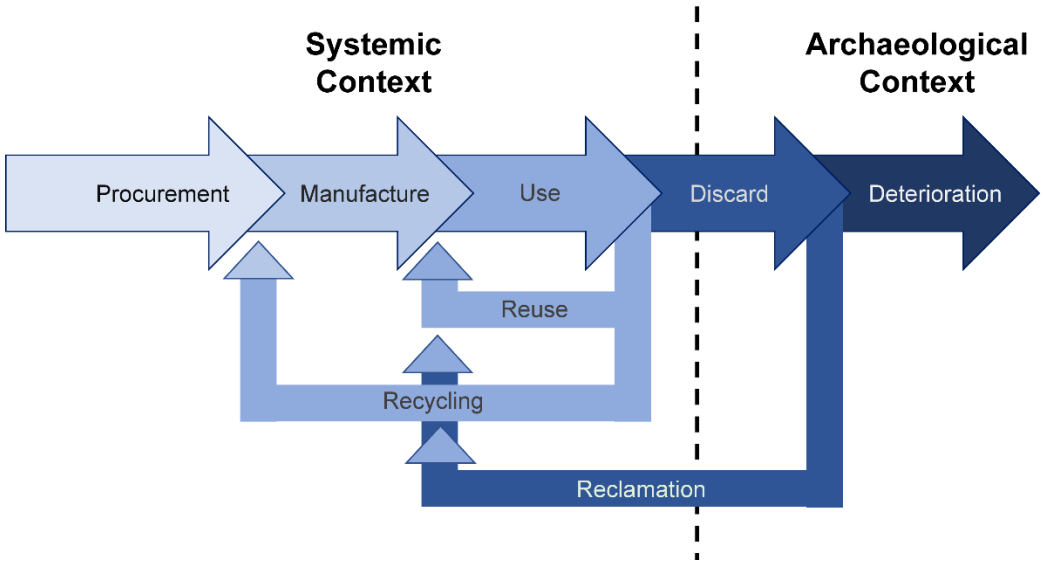


Figure 4.1. Behavioral chain of cultural material, and the life history which can be represented in the archaeological record (after LaMotta and Schiffer 2001).

Behavior and Trees

The processes which affect material culture therefore undergo two types of transformations: cultural transformations and natural transformations. Cultural transformations (c-transforms) are the behaviors of humans that shape the cultural materials observed at a site (Schiffer 1983). For example, a c-transform on timbers could be carving or debarking a tree. Natural transformations (n-transforms) are the natural processes that affect material culture before, during, and after human interactions (Schiffer 1983). For example, a n-transform could be decay or infestation that changes the morphology of the wood.

The use of tree rings to date archaeological sites revolutionized the interpretations of the prehistoric Southwest. However, equating a period of growth of a tree to a behavior of a prehistoric individual or individuals can be problematic. There are four errors that affect the interpretations of an archaeologist. Type 1 error is the death of a tree before use by humans (Bannister 1962). Type 2 error is reuse of wood or using timbers from a previously abandoned structure (Bannister 1962). Type 3 error is incorporating new wood into a previously existing structure, such as making repairs (Bannister 1962). Type 4 error is wood incorporated into a site, after site abandonment, possibly by a travelers fire (Bannister 1962). These errors can drastically affect the interpretation of a specific behavior.

To address these errors, it is important for an archaeologist to recognize certain events that produce a site chronology. The *dated event (E_d)* refers to the event specifically dated using a chronometric technique (Dean 1978:226). For tree-ring dating, the E_d is the date of growth of a tree ring. A *reference event* (E_r) is a potentially datable event closely related to the event an archaeologist wants to date (Dean 1978:228). The event the archaeologist wants to date, normally a cultural event, in the archaeological record is the *target event (E_t)* (Dean 1978:228),

an example is the construction of an archaeological feature. A *bridging event (E_b)*, refers to the link established between E_d and E_t (Dean 1978), which could be the felling of a tree by people. The relationships between these events help map the formation process of an archaeological site and, potentially, the interpretations.

Common terms used in dendrochronology are cutting dates, near cutting dates, non-cutting dates, and date clusters. Cutting dates are established by identifying the last ring grown by a tree before its death, recognized by the presence of bark, insect activity, or other indicators (Towner 2002:73). Near cutting dates are dates that are determined to be a few years before of the death of the tree (Towner 2002:74). Non-cutting dates occur when the death year of the tree cannot be determined, and only provide a date before the tree died (Towner 2002:75). A date cluster is defined by three or more tree-ring samples occurring in a brief time interval (Ahlstrom 1985:59).

These theoretical foundations of behavioral archaeology and chronometry are fundamental to understanding the processes which produced the archaeological record in the Southwest. To separate c-transforms from n-transforms, an archaeologist must recognize the E_d, in order to interpret the E_t. A myriad of methods can reveal this separation. Date clusters often indicate behaviors that elucidate the E_t, which is when numerous dates fall within a few years of each other (Ahlstrom 1985, 1997; Dean 1978). Establishing cutting dates versus noncutting dates also helps to elucidate the E_t, because the E_d will correspond to the E_t (Dean 1978) (Figure 4.2).

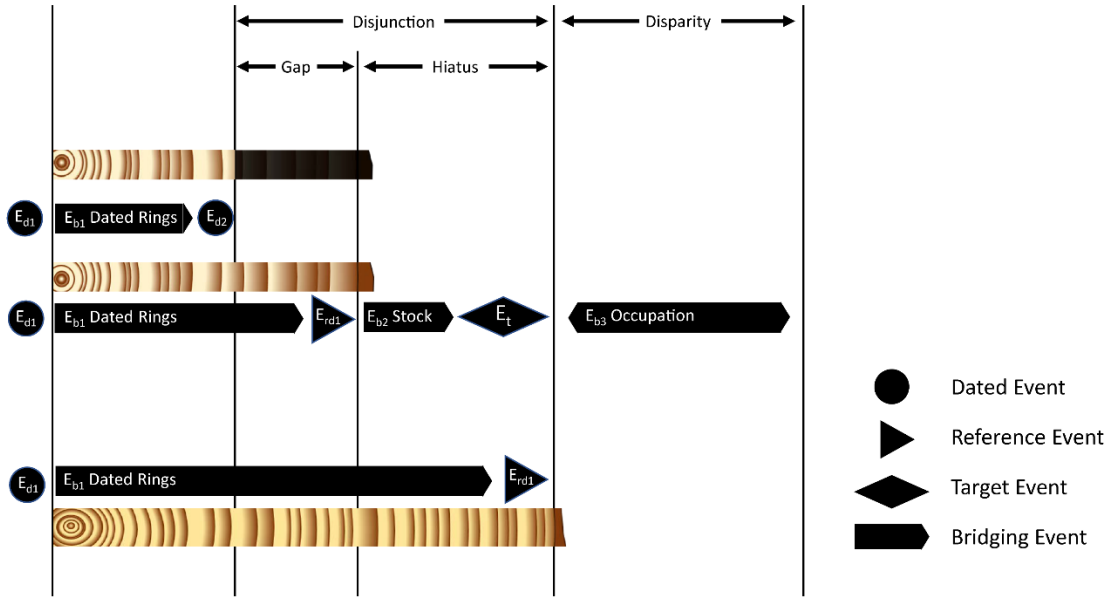


Figure 4.2. Chart of dating tree-ring samples, and the disjunction that can occur when trying to date a specific behavior (after Dean 1978:227).

Furthermore, establishing a date via tree-ring data only provides a single, outside date per sample. Although, the distribution of dates can produce a date range, it does not represent the range of occupation of a site. As mentioned above, a tree-ring date only measures the growth of the tree, and although it can be used to determine a date for construction of a room block or pit house, it does not estimate the length of occupation, unless more cutting dates or other datable activity occurs. Events involving tree-ring dates, which can give an estimate of occupation length, might be charcoal in a hearth that preserved the structure of tree-rings, or repair events after initial construction. However, both those events can still leave the date of abandonment as an unknown variable.

One way of attempting to understand the wood-use behaviors that influence the processes which form the archaeological record is use modern analogies based on descendant communities.

Observations at the Hopi Pueblo of Walpi identified three events that affect tree-ring date distributions (Ahlstrom et al. 1991). The original use of timbers occurred at the site of Koechaptevela at the base of First Mesa, ca. A.D. 1350-1400 (Ahlstrom et al. 1991:630). At around A.D. 1690, the community moved from Koachaptevela to the present location of Walpi Pueblo (Ahlstrom et al. 1991:631). Finally, between A.D. 1880 and 1940, reconstruction at Walpi made further reuse of timbers, which further affected the tree-ring date distribution (Ahlstrom et al. 1991:631). The actions of modern Hopi at First Mesa to make significant reuse of timbers from old sites could mirror past actions, which would have the potential to skew the date distributions to be older than the construction event.

Two types of errors affect the distribution of dates at a site, so in order to make sense of the distributions of tree-ring dates, analysis should focus on date clusters. Typically, a cluster greater than three would be an indicator of construction, although stockpiling of timbers could also skew interpretations (Ahlstrom et al. 1991:637). However, any reuse of timbers that are reused as a group can further obscure construction dates. Furthermore, this type of analysis does not necessarily apply to all types of sites. Walpi Pueblo is large, and has been inhabited for a long period, which contrasts with pit houses and smaller masonry structures that were only inhabited for a few years to several decades (Ahlstrom et al. 1991:642-643).

Cultural processes are not the only factor to account for when attempting to interpret tree-ring dates. Besides the processes involved in the growth of a tree, extensive periods have time can do much to degrade the condition of wood that is found in archaeological context. Beyond factors such as burrowing animals or root intrusion which can affect all archaeological material, wooden elements are also subject to biodegradation which occurs in damp soils, weathering can occur to wood exposed to the elements, and fires can sweep through a site as a result of natural

fire cycles. These types of degradation not only threaten the entirety of a timber but can destroy outside rings and affect interpretations, and possibly indicate an earlier construction date.

To illustrate the effects of degradation, Smiley and Ahlstrom (1998) ran a simulation examining how a set of tree-ring dates loses outside rings and shifts the overall date range older. The goal of the simulation was to test the effects wood samples could have on radiocarbon dating, but it also provides an example for how many rings could be missing from a noncutting date tree-ring sample. The authors examined a hypothetical Navajo Hogan on Black Mesa in northern Arizona that dates to A.D. 1924. The program takes several tree-ring samples and removes a random amount of the outside rings to simulate the degradation that occurs naturally (Smiley and Ahlstrom 1998:85). The results show that there could be difference between cutting and noncutting dates by up to 125 years (Smiley and Ahlstrom 1998:87). Furthermore, radiocarbon determinations can estimate the age of the tree-ring samples to be up to 200 years older (Smiley and Ahlstrom 1998:89).

Mean Ceramic Date Chronology

The MCD technique uses ceramic styles and their estimated date range (base on tree-ring data), to calculate a mean average date range for an individual site. Dates derived from the MCD which indicate skewness are corrected before calculations are made (Christenson 1994:303-304). Furthermore, ceramic styles vary in date ranges, so a ceramic type with a longer period of use will be less precise.

Although, MCD does not provide a date for any single action performed at a site, behaviors of a site's inhabitants do affect the calculations. Like all artifacts, ceramics will enter the archaeological record when they are lost, discarded, or left behind at the end of occupation.

This behavioral factor indicates that the ceramic assemblages represent discard, rather than the time of manufacture or the use-life of the pottery.

I include the use of MCD in my thesis because ceramic dates are linked to tree-ring dates and tend to excel at predicting the construction dates of sites. When examining a single site with reliable tree-ring dates, it would be circular to date that same site based on the MCD. However, the purpose of this thesis is to analyze as many sites as possible, most of which do not have tree-ring dates, if any dated material at all. By doing so, it is my hope that patterns of migration or abandonment can be observed more reliably than simply counting the number of tree-ring dates in an arbitrarily circumscribed region, which would be skewed by biases like an archaeologist's site selection, preservation of timbers, or the behaviors of a site's inhabitants discussed above. The goal is to include more data from a region.

Conclusion

Only after understanding the theoretical foundations to the processes behind the site formations can archaeologists make credible interpretations. Dates without context provide limited data and restrict interpretations to describing simple date distributions, without understanding the causes behind those distributions. These causes could be the result of past human behaviors, but they could also be the result of modern human behaviors or natural processes. It is crucial to understand all the processes that contribute to a tree-ring and MCD dataset, and to understand how those processes interact with each other. Therefore, controlling for these processes is crucial for proper interpretations.

CHAPTER 5: CHRONOLOGY BUILDING

To understand the prehistoric phases of the Flagstaff area, I use a combination of tree-ring data, MCD methods, site type and size, and the location of sites on the landscape. This approach elucidates the different phases of land use and shows meaningful changes in behaviors that might be due to climatic, environmental, or cultural factors.

Tree-Ring Dates

All tree-ring dates used for this thesis research were obtained through the Laboratory of Tree-Ring Research (LTRR) at the University of Arizona, where I scanned documents spanning 1966 through the present. The LTRR analyzed all samples used in my research. Samples collected from sites prior to 1966, come from Bannister et al. (1966) and Robinson et al. (1975), who published reanalyses of many older samples for quality assurance and to provide a resource for Southwestern archaeologists. I obtained additional dated samples analyzed after 1966 from the archives of the tree-ring laboratory, as well as a list of dates for Wupatki National Monument from the NAU thesis research of Garret Briggs (Briggs 2017). From a total of 1,531 samples, 993 are noncutting dates (65.9%), 491 are cutting dates (32.1%), and 47 are near cutting dates (3.1%).

The LTRR analyzed all samples from within a range of 1 degree of latitude and 1 degree of longitude to construct a regional tree-ring chronology. A regional tree-ring chronology provides calendar years for reference when dating samples from a given region. I use three of the quadrangles around the Flagstaff area (AZ: H, I, and O) (Figure 5.1). The study area encompasses approximately 7.5 million acres. The LTRR analyzed tree-ring samples on a site-

by-site basis but does not account for every archaeological site within the 1-degree by 1-degree quadrangles.

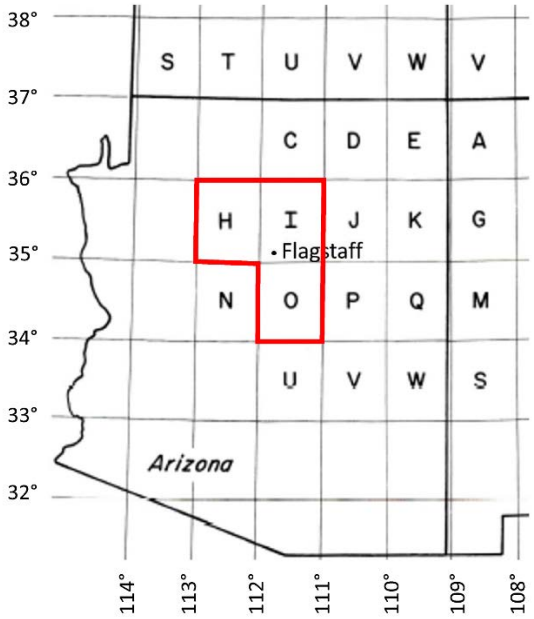


Figure 5.1. Map of Quadrangles considered in this study. Adapted from Robinson et al. (1975).

The dated event (E_d) of tree-ring samples is the year or season in which a tree ring grows. Depending on the condition of the wood, analysis of the of sample can determine when a tree has died. However, samples taken from archaeological sites are often missing outside rings, so determining the death of a tree is not always possible. Because the E_d is not directly related to the actions of people, it is important that dates cluster around a particular year, or there are a sufficient number of dates for a given site. A cluster of dates can be defined as "three or more dates falling in a brief time interval" (Ahlstrom 1985:59), although definitions can vary depending on researchers (Towner 2002:75). What constitutes a sufficient number of dates can vary depending the context of the sample. A pit house with clusters of cutting dates will reliably date the initial construction of the structure. However, if one applies the same dates and clusters

to a single room of masonry structure, the conclusions will differ because construction sequence of room blocks can vary. For example, several sites from the study area contribute tree-ring samples from a single room of a multi-room masonry structure. If room construction order is unknown, then initial construction and habitation of the whole structure is unknown. Conceivably, architectural analysis can show the construction order of rooms, by examining how walls abut or bond into other walls; however, those data are not always available for each site. For my research, I use the definition of clusters described by Ahlstrom (1985:59) and consider each site individually.

Dates derived from tree-ring samples fall into one of three categories, *cutting dates, near cutting dates, and noncutting dates.* The LTRR distinguishing the condition of the outside rings through a combination of nine symbols. The letters B, G, L, c, and r represent cutting dates, or the year in which a tree died. The letter B stands for bark, which can only occur of the outside of the tree. The letter G stands for beetle galleries, which is a pattern bark beetles produce on the outside of a tree as the beetle consumes the living cambium (outer-most ring of the tree) beneath the bark. The letter L represents a patina, a shiny layer produced by the outer-most ring after the tree dies. The letter c represents a continuous outside ring around the circumference of an intact cross-section of a tree. The letter r represents a continuous outside ring of the entire portion of the tree-ring sample. The letter "v" can also denote a cutting date, but that status of "v" as a cutting date, is the opinion of the analyst, and the ring does not show have any of the characteristics present for other cutting dates (Table 5.1). Symbols indicating a cutting date can be in any combination. For instance, a sample labelled "1163 BGc" would indicate that the sample's outside ring has bark present (B), beetle galleries present (G), and the outside ring is continuous around the circumference of the tree (c). This means the analyst is very confident that

the sample is a death date. The level of confidence for cutting dates decreases in the order of B, G, L, c, r, and v, unless paired with a "+" or "++" (Bannister 1975:4; Robinson 1966:6; Towner 2002:73-75).

The "+" symbol can be paired with any other symbol, which will indicate the that a sample is a near cutting date. An analyst will make the determination of a near cutting date, if they determine that the most outside rings of a sample are consistently small, or absent in a chronology (Towner 2002:74) (Table 5.1). For the purpose of my research, I have combined the cutting and near cutting dates, because a sample will only be one or two years removed from the death of the tree (Towner 2002:75).

Noncutting dates are represented by the symbol "vv." An analyst of the sample will determine if a sample is noncutting when there is no evidence of an outside rings, possibly due to deterioration or shaping of the wood. Similarly, the symbol "++" which can be paired with any other symbol, indicates that multiple rings could be missing from the sample. This could be due to the tree being near the end of its life cycle, which results in rings being narrower, or possibly absent year by year. If a sample has the "++" symbol, it could indicate the use of deadwood, rather than felling a live tree (Towner 2002:75) (Table 5.1). Although noncutting dates do not provide a date in which a human activity took place, they could indicate the presence of individuals at a site after construction, if the noncutting date occurs after a cutting date, either through charcoal found in a hearth, or repair events, or other processes.

Table 5.1. Symbols for condition of outer rings.

Symbol	Cutting?	Description
B	Cutting	Bark present on outside ring
G	Cutting	Beetle galleries on surface of sample
L	Cutting	Patina or smoothness on outside ring
c	Cutting	Continuous outside ring around the circumference of the whole sample
r	Cutting	Continuous outside ring around and incomplete sample
v	Cutting	Subjective judgement of analyst, that the sample is a cutting date
vv	Noncutting	No way of estimating the number of rings to outside ring
+	Near cutting	Must be paired with a letter, and indicates that a few rings may be missing from the outside of the sample
++	Noncutting	Must be paired with a letter, and indicates multiple rings maybe missing from the sample ring series.

From Bannister et al. (1966), Robinson et al. (1975), and Towner (2002).

Using only tree-ring data, I take two approaches to building a cultural chronology. The first method I use is to consider each site individually and include sites in the chronology that are well dated, meaning sites with well-dated clusters. The second method I use is similar to the methods used by Bocinsky et al. (2016), by examining all cutting and noncutting dates without considering provenience, other than the location of the site.

For the purpose of building a chronology on an individual site basis, I discarded any site that had fewer than two cutting dates, or any site containing only noncutting dates which do not

cluster. Although a site might contain tree-ring dates, it does not necessarily date to an event of archaeological significance. I consider noncutting dates occurring after cutting dates from a well dated site to indicate continued occupation. For instance, a site with a non-cutting date that dates within ten years after a cluster of cutting dates, indicates activities at the site. By looking at the activities, rather than raw tree-ring dates, I construct a site chronology that reflects human action.

Although I do not consider every site with tree-ring dates when constructing the chronology of the Flagstaff area based on tree-rings, I used the entire dataset of tree-ring dates for comparison to findings of Bocinsky et al. (2016). I construct histograms of cutting and noncutting dates, using the SPSS statistical program, and process the histograms in Adobe Illustrator to better represent the data. I constructed cumulative graphs of cutting and noncutting dates in Adobe Illustrator to track periods of prehistoric activity. I used ArcGIS to create maps that indicate where the activity takes place on the landscape.

After I completed the two types of chronology building methods, I compared the results. If the method used by Bocinsky et al. (2016) accurately reflects prehistoric behavior, then it should follow a similar trend to the chronology built based on analyzing sites on an individual basis. To further test the Bocinsky et al. approach, I compared the two chronologies to a chronology based on MCD.

Mean Ceramic Dating

Due to the limited dataset of tree-ring dates, I have included MCD to help elucidate the prehistoric chronology of the Flagstaff area. I obtained much of the data from previous studies (Downum 2002; Garcia 2014). I include a total of 3,348 sites in the MCD dataset and rounded each date to the nearest year. Because of the methods used in MCD, each site will only have one date and an associated error range. It is important to point out that the methods for producing

MCDs are different from how tree-ring dates are analyzed. Tree-ring dated sites can contribute dozens of individually dated tree-ring samples with yearly resolution, while sites dated using MCD will only produce one date. This can have implications when comparing chronologies made from the two dating methods and should be accounted for.

It is important to point out that ceramic type dates are established using tree-ring dates. Because of the apparent circular reinforcement of using ceramic dates to confirm tree-ring dates, I disregard any dates calculated with MCD at sites which include tree-ring dates. I use MCD to expand the number of sites in my research, not to reinforce the chronologies built using tree-ring dates.

Dates established by MCD depend on several assumptions. First, design types curves are unimodal. Second, the type curves overlap. Third, the date range of the ceramic type can be represented by a mean date. Finally, the MCD can be weighted by frequency (Christenson 1994:298).

MCD dates the initial construction of a settlement based on the assemblage of ceramic sherds recovered at the site. Because ceramic designs change over time, and distinct typologies can be constructed, MCD can date a site to within 20 years, depending on composition of the assemblage (Table 5.2). Typically, ceramic types in use for extended periods of time have a larger margin for error, and because the earlier types lasted longer than later types, early sites are not as well dated as later sites.

Table 5.2. Date range, median range, and weight of Tusayan Gray Ware.

Name Type	Date Range (A.D.)	Midrange or Median Date (A.D.)	Weight
Tallahogan Red	620-775	700	1.95
Lino Black-on-gray	640-820	765	1.7
Lino Fugitive Red	600-900	750	0.5
Kana'a Gray	865-1050	965	1.55
Coconino Gray or Medicine Gray	950-1100	1025	2.0
Tusayan Corrugated	1020-1210	1120	1.6
Tusayan or Moenkopi Corrugated	1020-1250	1150	1.2
Moenkopi Corrugated	1130-1250	1190	2.3
Kiet Siel Gray	1220-1320	1270	2.5

From Christenson (1994:305)

Dates are calculated and weighted based on the length of time a ceramic type was in use. For instance, a ceramic type that was in use for more than 200 years is weighted more heavily than a ceramic type that was used for around 100 years (Christenson 1994:304). For example, the Tallahogan Red type from table 5.2 with a date ranging 155 years. Christenson calculated the weight by subtracting the range from the arbitrarily larger number of 350, then divided by 100 (350-155/100=1.95) (Christenson 1994:304-305).

Site Locations

I plotted sites in the Flagstaff area based on a combination of the universal transverse mercator (UTM) coordinates, the township and range survey system, and maps with sites locations. All UTM coordinates for ceramics dates are from the thesis of Garcia (2004). I resolved the location of the majority sites with tree-ring dates base on township and range coordinates from the LTRR archives, but I located several sites by importing maps into ArcGIS, georeferencing the map, and plotting the site position into ArcGIS. Some sites with tree-ring dates are listed in Garcia (2004); in those cases, I substituted the UTM coordinates for maps, plots, or townships and ranges. The exact coordinates for some of the sites are unknown.

Because I look at a regional scale for this research, the precise location is unnecessary. I produced all maps with ArcGIS using the North American Datum of 1927, because I retrieved the locations of sites from previous research, which used that datum.

I coded each site on the map depending on whether the dates were established by MCD or tree-rings data. Then I created maps based on Flagstaff phases for both MCD and tree-ring sites to examine shifts in settlement patterns across the research area. I organize the sites that include tree-ring dates based on the number of cutting, near cutting, or noncutting dates, to locate the sites that contribute the most number of tree-ring samples. It is my hope that organizing sites in this manner allows me to find settlement patterns on the landscape, or any potential similarities or differences between tree-ring dated sites and MCD sites.

When I compile all the data, and visualized into graphs and maps, I then look for the patterns of settlement in the research area and compare it to the Southwest. I focused on the questions I posed in Chapter 1: (1) exploring the possibility of the Flagstaff area tree-ring chronology fitting with a model of punctuated equilibrium, which Bocinsky et al. (2016) observed in the Southwest region; (2) examining the data to look for possible causes and determine whether the tree-ring chronology accurately reflects human activity. If the tree-ring chronology of the Flagstaff area does not match with the Southwest region, and if there is evidence that chronologies based on tree-ring are influenced by factors other than human activity, then there is reason to believe that large datasets of tree-ring dates might not reflect human activity in the past.

CHAPTER 6: TREE-RING AND MEAN CERAMIC DATE CHRONOLOGIES

After compiling a list of tree-ring dates, there are a total of 1,531 samples from 131 different sites listed. From that total, there are 992 non-cutting dates ranging from A.D. 673 to 1374, 492 cutting dates ranging from A.D. 760 to 1327, and 47 near cutting dates ranging from A.D. 758 to 1325 (Bannister et al. 1966; Robinson et al. 1975). Sites date with the MCD method total 3348, with a date range of A.D. 688 to 1275 (Table 6.1) (Downum 2002; Garcia 2004).

Table 6.1. Type, count, and range of dates

Date Type	Date Count	Date Range
Non-Cutting Tree-ring Dates	992	A.D. 673 – 1374
Cutting Tree-ring Dates	492	A.D. 760 – 1327
Near cutting Dates	47	A.D. 758 – 1325
Mean Ceramic Dates	3348	A.D. 688 – 1275

I should note that there are inconsistencies within the dataset when it comes to classifying sites. Locations such as Chavez Pass (AZ O:4:1 [ASU], AZ O:4:2: [ASU], AZ O:4:3 [ASU], and AZ O:4:5 [ASU]), Winona Village (NA 2133, NA 2134, NA 2135, NA 3644), and others have multiple site numbers listed in close proximity to each other, while other sites such as Pershing (NA 7207) have multiple components that span at least 300 years. Many sites also lack provenience for tree-ring samples, either because information was lost, or poor record keeping during sample collection. These inconsistencies prove problematic when piecing together a chronology based only on tree-ring data, particularly when information about a site is limited to only tree-ring dates. This simplification lead to under and overrepresentation of many sites.

Tree-Ring Dates and Sites

The initial date distribution of tree-ring cutting dates shows that only a few sites contribute most of the dates known from the entire study area. From a total of 63 sites with cutting and near cutting dates, six sites contribute 60.1% of all dates in the dataset (Figure 6.1). These initial results serve as an example of how tree-ring data can be nonrepresentative of past activity when a few sites contribute large numbers of dates to a dataset and indicate that trying to make interpretations for large regions, could heavily skew any conclusions. However, I construct the tree-ring based chronology to further illustrate how sites contributing large numbers of dates can influence the process.

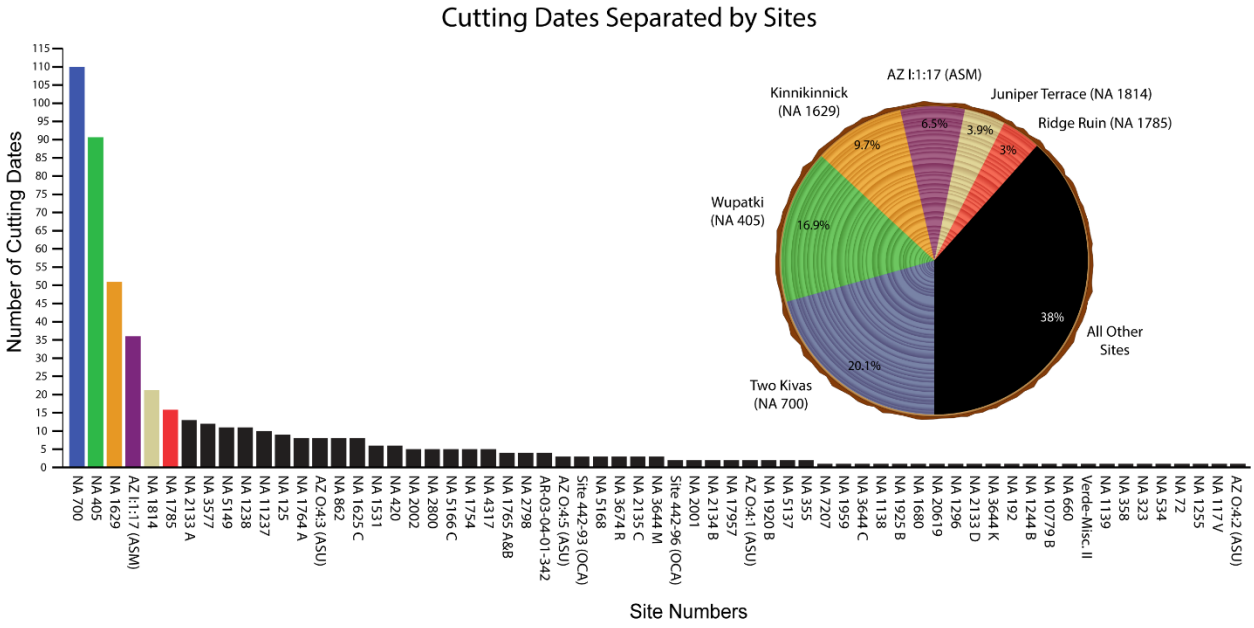


Figure 6.1. Bar chart and pie chart showing the distribution of cutting and near cutting dates by site.

Examining the Sites

The main contributors to the tree-ring chronology are four sites: Arizona I:1:17 (ASM), Wupatki (NA 405), Two Kivas Site (NA 700), and Kinnikinnick Pueblo (NA 1629). Combined, the four sites have a total of 291 cutting dates, making up 52.8% of all cutting dates known from the H, I, and O quadrangles. Sixty-three of the 131 sites in the data set contribute cutting dates, including the four sites mentioned above. The distribution of the dataset means that a large-scale chronology based on tree-ring dates will be heavily weighted to the periods with the largest contributors.

Figure 6.2 show the distribution of cutting dates, near cutting dates, and noncutting dates occurring after cutting dates, separated by site. This figure does not include any site with less than two cutting or near cutting dates. Examination of the chart shows the top four contributor of Arizona I:1:17 (ASM), NA 405 (Wupatki), NA 700 (Two Kivas), and NA 1629 (Kinnikinnick), as well as next two main contributors NA 1814 (Juniper Terrace) and NA 1785 (Ridge Ruin). The period between the Rio de Flag phase and the Elden phase (A.D. 1030-1225) contributes the most number of dated sites, and also include the five of the top six contributor of dates, with Kinnikinnick occurring mainly in the Clear Creek phase (A.D. 1275-1400).

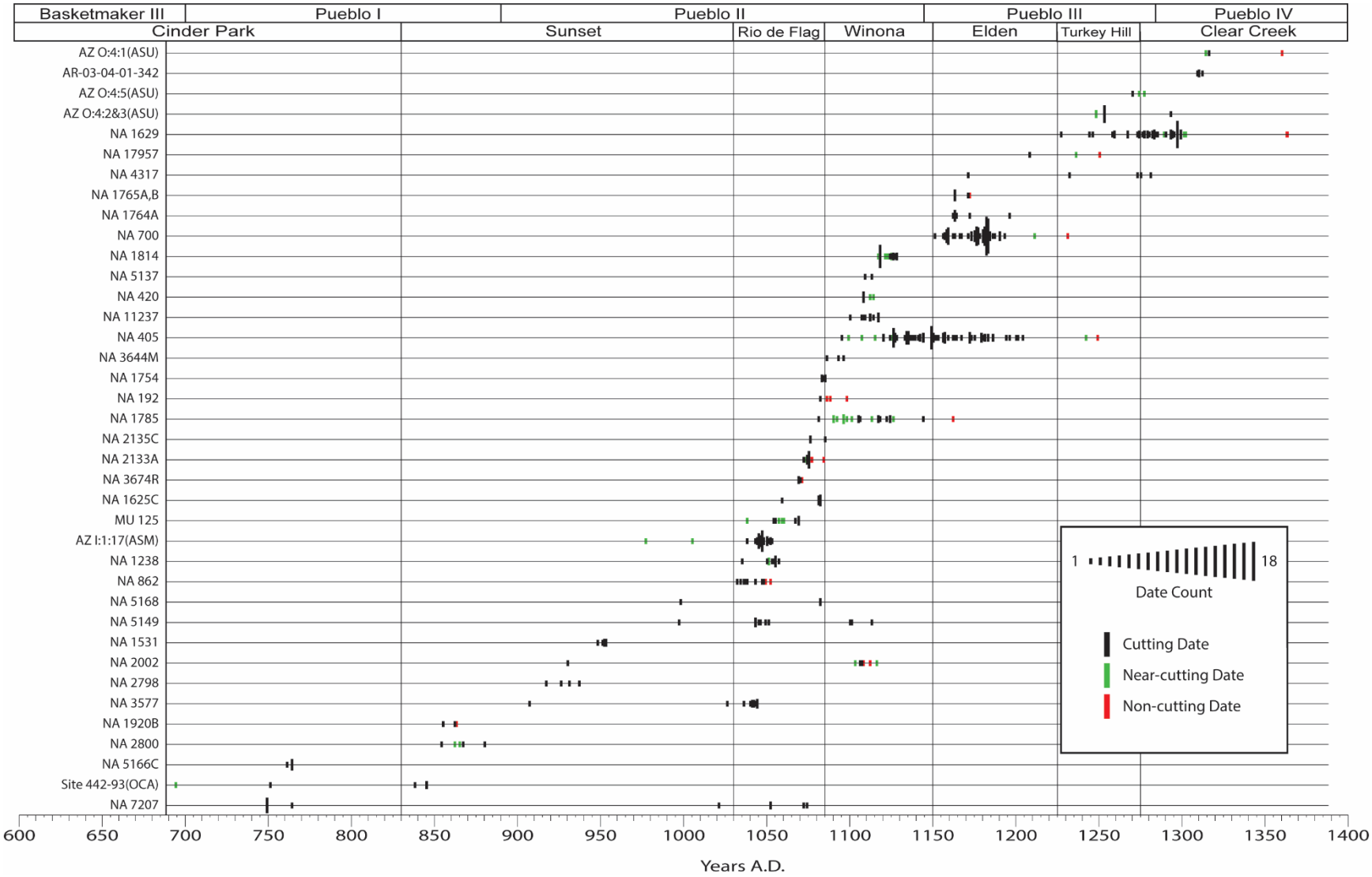


Figure 6.2. Chart showing the distribution of cutting dates, near cutting dates, and noncutting dates that occur after construction for individual sites. Sites with only one cutting date and no clusters are omitted.

Arizona I:1:17 (ASM) is located within the Kaibab National Forest Tusayan District, and consists of a subterranean masonry structure, and three ramadas, likely home to a single household of people (Powell 2016:114). The site is the earliest of the four largest cutting date contributor sites is Arizona I:1:17 (ASM), with 35 cutting dates and 6.7% of all cutting dates. The cutting dates from Arizona I:1:17 (ASM) range from A.D. 1049 to 1064. The samples are from approximately 20 different proveniences and four different features. Arizona I:1:17 (ASM) falls firmly into the Rio de Flag phase (A.D. 1030-1085) (Ahlstrom and Downum 2014:304), and into the mid-to-late Pueblo II phase (A.D. 890-1145), as described by Bocinsky et al. (2016:3).

Arizona I:1:17 (ASM) provides 35 tree-ring dates the most cutting and near cutting dates for the Rio de Flag phase, the fourth most of the dataset. The dates come from log walls and roof beams from three structures and three log wall features, ranging from A.D. 1049 to 1064. Dates from the log wall features do not provide any definitive construction dates, as there is no clear clustering. Structure 1 has one near cutting date at A.D. 1057, one cutting date at A.D. 1058, two cutting dates at A.D. 1061, one cutting date at A.D. 1063, and one cutting date at A.D. 1064 which could indicate a construction period between A.D. 1061 and 1064.

Wupatki Pueblo (NA 405) is a large multiple story masonry structure with approximately 100 rooms split between north and south room blocks (Briggs 2016:10; Fewkes 1900). From a total of 170 dates, 155 dates come from Robinson et al. (1975:92-95), with an additional 15 dates sampled afterward (Briggs 2016:203). Of the 155 dates, Wupatki has contributes 94 cutting dates, comprising 16.9% of the research area's cutting dates. The tree-ring samples come from approximately 47 different proveniences within the pueblo, with 46 samples listing "N/A" or no provenience (Briggs 2016:Table 5.11)

Wupatki Pueblo's tree-ring dates range from A.D. 1106 to 1215, with three distinct clusters of cutting dates at A.D. 1137-1138, A.D. 1160-1161, and A.D. 1190-1194 (Briggs 2016:Tables 5.2 and 5.3; Robinson et al. 1975). This range spans the Angell-Winona-Padre (A.D. 1085-1150) and Elden Phases (1150-1225) of Flagstaff area prehistory (Ahlstrom and Downum 2014) and straddles the Pueblo II (A.D. 890-1145) and Pueblo III (A.D. 1145-1285) phases of Bocinsky et al. (2016). However, most of the tree-ring dates occur in the Elden phase (Pueblo III).

Two Kivas Site (NA 700) consists of a rectangular masonry structure of 15 rooms, six of which likely had a second story, and two kivas on the east side of the structure (Robinson et al. 1975:97). Two Kivas Site contributes the most cutting dates in the dataset, numbering at 110 dates. Two Kivas Site (NA 700) contributes approximately 20.1% of the total cutting dates, ranging from A.D. 1162 to 1207, which falls within the same range as Wupatki Pueblo (NA 405). Two Kivas is the most well-dated site within three quadrangles of the study area, with samples coming from nine rooms and two separate structures.

Of the 15 rooms and two kivas, eight rooms and one kiva contribute cutting dates. Room C has four cutting dates ranging from A.D. 1184 to 1198, with a probable construction date in the late 1180s, and the A.D. 1198 date being a repair event. Room D has a 30 cuttings dates with a range of A.D. 1170 to 1197. Of the 30 dates, 13 date to A.D. 1194 which is likely the construction date of Room D with earlier dates likely representing reuse or stockpiling. Room G has 11 cutting dates from A.D. 1187 to 1193, and likely date to A.D. 1193 after stockpiling timbers. Room L has seven cutting dates, with three dating to A.D. 1170, three dating to A.D. 1194, and one dating to A.D. 1195, which could indicate a construction date after stockpiling or reuse. Room N contributes 14 cutting dates between A.D. 1169 and 1195, with a likely

construction date around A.D. 1188 and possibly reusing timbers. Room V contributes two cutting date at A.D. 1168 and 1174, with no discernible construction date. Room W contributes 11 cutting dates between 1162 and 1173, with a construction date sometime between A.D. 1170 and 1173. Room X constributes 17 cutting dates ranging from A.D. 1186 to 1193, with a firm construction date of A.D. 1193. One of the Kiva (Structure A) contribute 12 cutting dates ranging from A.D. 1201 to 1207, with construction occurring in the year A.D. 1204, followed by repairs.

Kinnikinnick Pueblo (NA 1629) is a masonry structure consisting of approximately 60 rooms, with some rooms having a second story (Bannister et al. 1966:20). Kinnikinnick is the latest of the four sites contributing the most to the total cutting dates is Kinnikinnick Pueblo, with total of 52 cutting dates; it makes up 9.4% of total cutting dates ranging from A.D. 1238 to 1310. However, most samples from Kinnickinnick Pueblo come from Room 3, with 45 cutting dates from 52 total dates. This provides a date for the construction of that room at A.D. 1308, however, there are very few data on the rest of the site's construction, with the remaining seven cutting dates ranging from A.D. 1269 to 1313.

Remaining Sites. None of the remaining 59 sites contribute more than 12 cutting dates. However, several sites are well dated with evidence of activity occurring within specific years or seasons. Other large sites with a dozen to a hundred rooms only contribute a few cutting, near cutting, or noncutting dates, effectively minimizing the impact of those sites on a tree-ring based chronology. In fact, using tree-ring dates as a proxy for past human activity proves problematic over all, with many examples of sites being under or overrepresented in the dataset.

Site Representation

When a site is overrepresented it contributes a disproportionate number of tree-ring samples to the data, such as a pit house that dates well with a dozen samples, but only represents the construction period. Underrepresented sites are sites that exhibit extensive activity, such as multiple room pueblos, but provide a limited number of cutting or near cutting dates, if they provide any tree-ring dates at all. Identifying these nonrepresentative sites in the dataset or in the research area is crucial if a chronology is to be accurate.

Elden Pit House (NA 1531) is an example of a site that is overrepresented by tree-ring dates, contributing six cutting dates. The site consists of a single pit house structure likely built in A.D. 964, with either stockpiled, or freshly harvested timbers. The site only represents one short period of activity but contributes six cutting and near cutting dates. Similarly, Pit House C at the site of NA 5166 also contributes six cutting dates but represents the same short span of activity as Elden Pit House. Another site that is overrepresented includes, Arizona I:1:17 (ASM), which only consists of one masonry room and three ramadas and is the fourth largest contributor of cutting and near cutting dates. Furthermore, the largest contributor of tree-ring cutting dates is Two Kivas site (NA 700) only consisting of 15 rooms and two kivas.

Although there are several examples of overrepresentation in the dataset, it is underrepresented sites that constitute a larger problem. The best example of an underrepresented site in the dataset is Old Cave Pueblo (NA 72). The site consists of 70 to 80 rooms and is considered to be one of the latest sites in the Flagstaff area (Robinson et al. 1975:47). Compared to Two Kivas Pueblo, with 15 rooms, Old Cave Pueblo represents a great deal more labor, but only produced a single near cutting date, while Two Kivas has 108 cutting dates. More examples of under-represented sites include Turkey Hill Pueblo with 22 rooms and some with a second

story, but only one cutting date and three noncutting dates; Elden Pueblo with 64 rooms, and one noncutting date; and Honanki with 30 to 40 rooms, one cutting date and one noncutting date. If these sites contributed more samples in a tree-ring chronology how might trends in patterns and change over time?

Old Cave Pueblo, Elden Pueblo, Honanki, and Turkey Hill Pueblo are all well-known large sites. The dataset also provides examples of sites that are not well known or well-studied, such as Verde-Misc. II, a cliff dwelling that does have an assigned site number. Many sites that have been sampled for tree-ring dates have been undatable thus far, which can be seen by referencing the table of contents in Laboratory of Tree-Ring Research publications (Bannister et al. 1966:iii-vi; Robinson et al. 1975:iv-vi).

In addition to sites that are underrepresented, there are two sites with anomalous date distributions in which noncutting dates are decades-to-a-century later than cutting dates. Lizard Man Village is one of these sites with two cutting dates at A.D. 1219 and 1247, with a later noncutting date of A.D. 1261. Lizard Man Village also has archaeomagnetic dates to bolster the chronology at some point in the middle-to-late 1200s (Kamp and Whittaker 1990:102). But when examining the A.D. 1219 date without consideration to context and other evidence, it could be easy to misconstrue the date of the sites. Another example of anomalous dates is at Wilson Pueblo, which has two noncutting and one cutting dates at A.D. 1178, while also having one noncutting date at A.D. 1276. When examining the number of sites that only contribute one cutting or near cutting dates, it becomes a concern that those dates might not date the target event without the consideration of other evidence.

Furthermore, there are the numerous sites that are not included the dataset because no timbers were ever sampled, or collected samples could not be dated, including notable sites

located in the research area such as Montezuma Castle (NA 1278). This creates the problem of not knowing what other pieces of data could be missing which might impact interpretation. The inconsistencies in sample collection of tree-ring dates casts doubts on the ability of the chronology to accurately represent the past. However, knowing about the problems involved will allow me to better understand why patterns in date distributions occur.

Date Distributions

When examining the dataset of all tree-ring dates from the research area, it becomes clear that there is a problem with constructing a tree-ring based chronology, with a large proportion of samples coming from a small number of sites. To overcome the problems, the best possible solution would be to examine each site individually, and determine a date range for construction, before constructing a chronology. However, in order to examine the findings of Bocinksy et al., I build a chronology using their methodology for the Flagstaff area.

The earliest cutting date occurs in A.D. 758, from the site of 442-93(OCA), and the latest date is from Chavez Pass (Arizona O:4:1 [ASM]) at A.D. 1325. Cutting dates accumulate slowly until around A.D. 1050, when construction at the site of Arizona I:1:17 (ASM) begins. After that the number of cutting dates accumulate steadily through A.D. 1215, with Wupatki and Two Kivas Site contributing the most cutting dates. The number of cutting dates seems to abruptly stop for a period, until around A.D. 1225 when more activity south of Flagstaff in the Verde Valley begins, with Kinnikinnick Pueblo contributing the most cutting dates (Figure 6.3).

The total number of noncutting dates is 993, ranging from A.D. 673 to 1374. The distribution of noncutting dates is more regular than cutting dates. However, there are several large date clusters around A.D. 775, A.D. 970, A.D. 1050, A.D. 1175, and A.D. 1200 (Figure 6.4). Of the noncutting dates, 590 (59.5%) fall within the range of A.D. 1000 to 1200, spanning

the Sunset, Rio de Flag, Angell-Winona-Padre, and Elden phases. However, as a whole, the noncutting dates do not contribute much insight into understanding the patterns of activity in the area, but rather mimic the cutting dates (Figure 6.3).

The discrepancy between cutting and noncutting dates in figures 6.3 and 6.4 provides an example of how the degradation of outside rings affects date ranges, which I discussed in Chapter 4 (Smiley and Ahlstrom 1998:85-89). The difference in years between cutting and noncutting dates ranges from a few years, to over 500 years. However, the samples come from over 100 sites, so it would require analysis of individual sites to better understand how the cutting and noncutting dates relate to each other. This illustrates the problems with large datasets of noncutting dates used on a regional scale, which without further examination could mislead researchers.

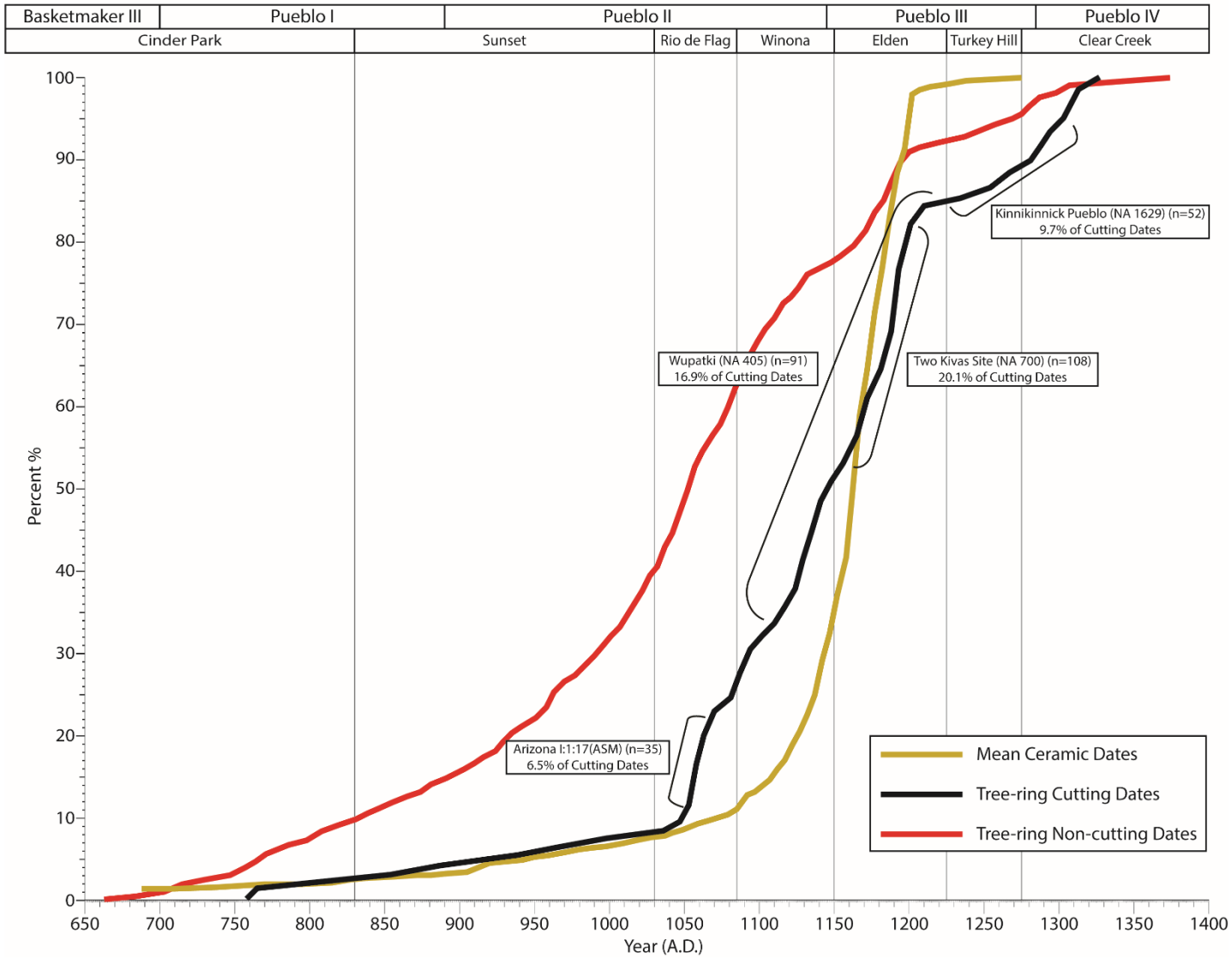


Figure 6.3. Cumulative graph of cutting dates, noncutting dates, and mean ceramic dates. Pecos classification dates ranges from Bocinsky et al. 2016. Flagstaff phase ranges from Ahlstrom and Downum 2014.

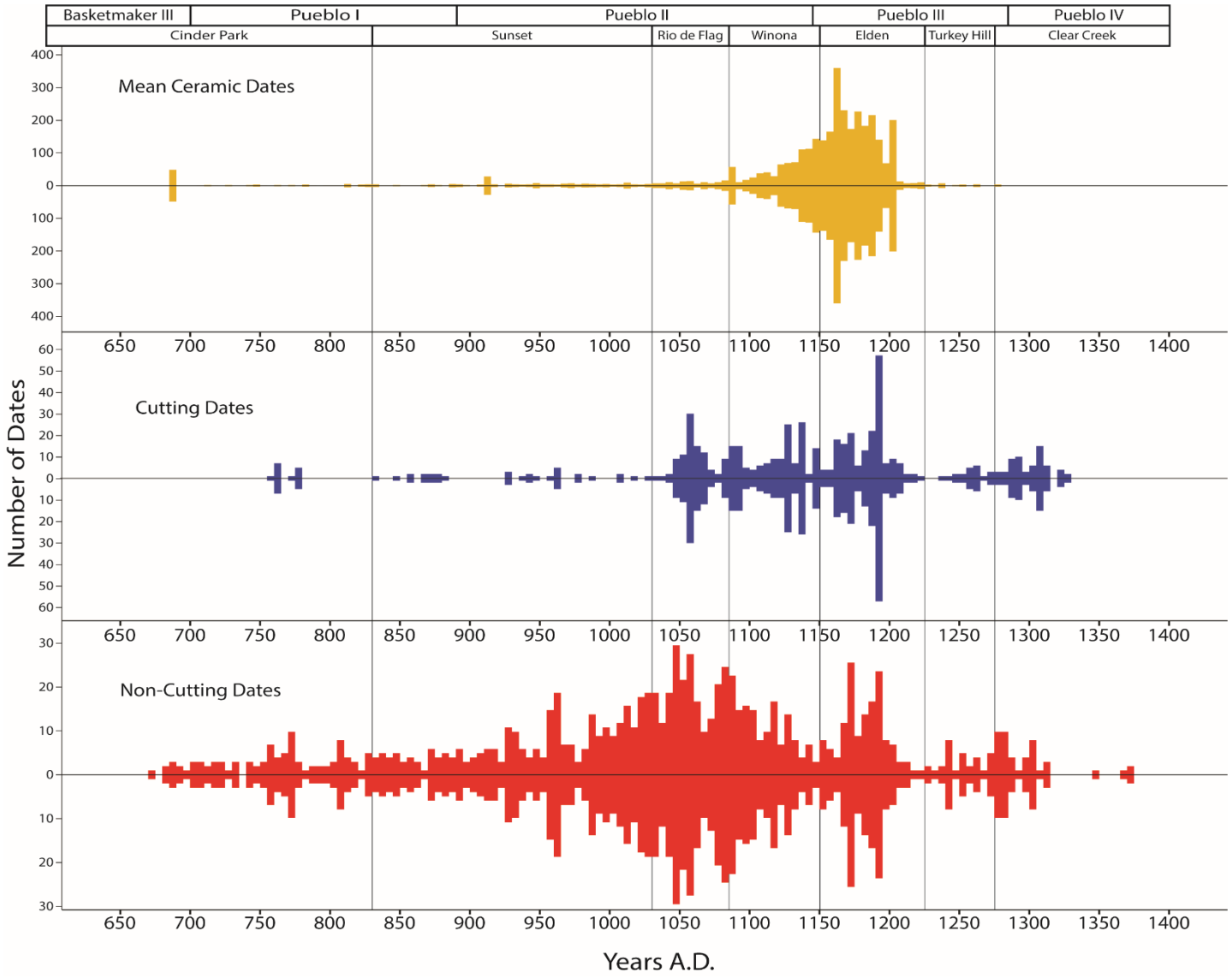


Figure 6.4. Graph depicting totals of cutting dates, noncutting dates, and mean ceramic dates.

Tree-Ring Cutting Date Chronology

Sites with cutting dates that can be reasonably dated, are far fewer in number than sites dated using the MCD technique. Only 64 of 131 sites have any cutting dates. This causes many problems for interpreting cultural developments in the study area, especially when matched with the issue of most tree-ring samples originating from a handful of sites. However, there is still a recognizable pattern of site distributions that adjusts over time.

Cinder Park Phase. Of all the sites with cutting dates, only three occur within the Cinder Park phase and are spread across all three quadrangles (Figure 6.5). The earliest cutting date in the tree-ring data set is A.D. 758 from Site 442-96 (OCA) in Quadrangle I, which places it in the early part of the second half of the Cinder Park phase. All cutting and noncutting dates from a single feature, and there are two spruce fir samples that produce cutting date at A.D. 762, and a near cutting date at A.D. 758. A total of 5 noncutting dates from Site 442-96 (OCA) range from A.D 701 to 760. One pit house from Pershing site, in Quadrangle O, falls into the Cinder Park phase, which appears to have been built in A.D. 760, and later repaired (Bannister et al. 1966:24). The final site with cutting dates in the Cinder Park phase is from Pit House C at NA 5166, in Quadrangle H. The cutting dates indicate that the structure was constructed in A.D. 775, and burned some time later (Table 6.2) (Robinson et al. 1975:13).

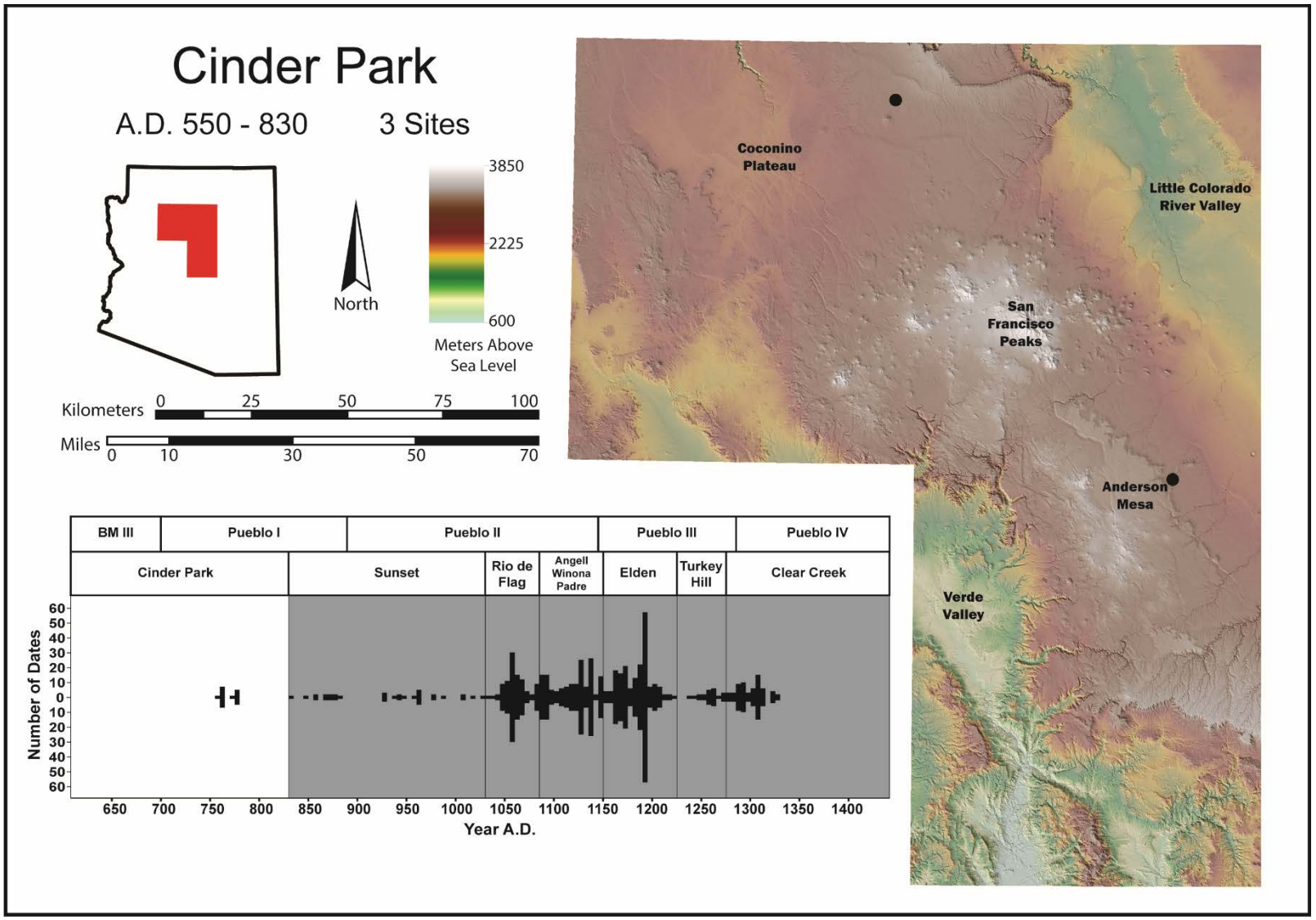


Figure 6.5. Map of tree-ring dated sites of the Cinder Park phase.

Table 6.2. Cinder Park Cutting and Near cutting Dates by Site.

Site	Quadrangle	Cutting	Near cutting	% of Cinder Park
Pershing Site (NA 7207)	O	7	0	50%
NA 5166C	H	5	0	35.7%
Site 442-96 (OCA)	I	1	1	14.3%

Sunset Phase. Following the Cinder Park phase, the number of sites with cutting dates, increases to 14. The sites are mainly concentrated around San Francisco Peaks, following the same pattern as MCD sites, with Red Hill Site (NA 5168) located much farther north. Although most sites are located in Quadrangle I, most cutting dates are from sites in Quadrangle H, skewing the distribution of cutting dates to the west (Figure 6.6). Most notable is the Pittsberg Village site (NA 3577), with six cutting dates and six near cutting dates, as well as site NA 5149 with six cutting dates and five near cutting dates. Quadrangle H provides 27 cutting and near cutting dates, compared to 29 cutting and near cutting dates from Quadrangle I, which over represents the four sites in Quadrangle H compared to the 10 sites in Quadrangle I (Table 6.3).

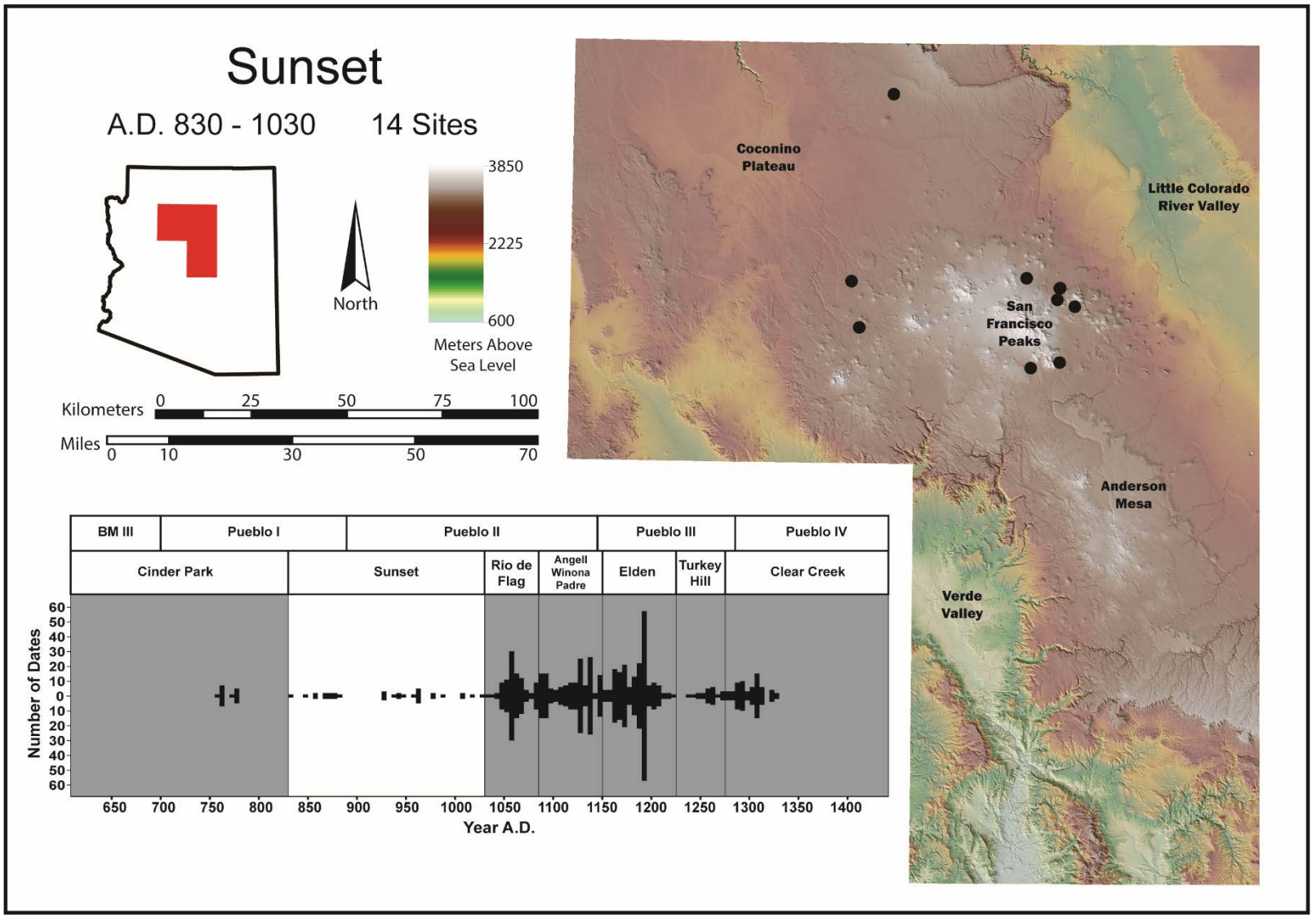


Figure 6.6. Map of tree-ring dated sites of the Sunset phase.

Table 6.3. Sunset Cutting and Near cutting Dates by Site.

Site	Quadrangle	Cutting	Near cutting	% of Sunset
Pittsberg Village (NA 3577)	H	6	6	21.4%
NA 5149	H	10	0	19.6%
Elden Pit house (NA 1531)	I	6	0	10.7%
NA 2800 (Baker Ranch Group)	I	3	2	8.9%
NA 2002	I	4	2	8.9%
NA 2798 (Baker Ranch Group)	I	4	0	7.1%
Red Hill Site (NA 5168)	H	3	0	5.4%
Site 442-93 (OCA)	I	3	0	5.4%
NA 1920B (Bonito Terrace Group)	I	2	0	3.6%
NA 2001	I	1	1	3.6%
NA 20619	H	1	0	1.7%
NA 1925B (Bonito Terrace Group)	I	1	0	1.7%
Coyote Range Pit house (NA 1959)	I	0	1	1.7%

The distribution of Sunset Phase sites does not resemble the other phases. Sunset phase site dates are more evenly spread out over the 200-year phase duration, compared to the distribution of all other phases. The earliest cutting date is from pit house NA 1925B of the Bonito Terrace Group and is a single date at A.D. 834.

Site 442-93 (OCA) provides three cutting dates, with one date at A.D. 856 from Feature 120, and two dates at 849 and 856 from Feature 143. From the Baker Ranch Group, NA 2800 is a pit house that that provides three cutting dates ranging from A.D. 865 to 881, and two near cutting dates at A.D. 873 and 876. Pit House B from NA 1920 at Bonito Terrace Group provides 2 cutting dates at A.D. 866 and 873, as well as one noncutting date at A.D. 874. There is one cutting date from Medicine Pit house (NA 1680). Another pit house from Baker Ranch Group (NA 2798), provides four cutting dates at A.D. 928, 937, 942, and 948, which makes a construction date difficult to determine. Pittsberg Village (NA 3577) is the earliest site with a masonry feature with thick walls, surrounded by timber and masonry structures. Cutting dates

range from A.D. 928 to 1065, both between and within structures, except for Structure A, which has two cutting dates at A.D. 1065. Site NA 2002 provides four cutting dates at A.D. 941, 1105, 1117, and 1118, as well as two near cutting date A.D. 1114 and 1127, and a cluster of noncutting dates around A.D. 1118, which suggests a probable construction date. Elden Pit house is likely the most well-dated site of the Sunset phase, with six cutting dates ranging from A.D. 959 to 964, and 12 noncutting dates ranging from 958 to 964. This date distribution suggests construction at A.D. 964, after possible short-term stockpiling of construction materials. Site NA 2001 provides one cutting date at A.D. 1114, and one near cutting date at A.D. 977. Coyote Range Pit house (NA 1959) only provides one near cutting date at A.D. 978. Site NA 5149 is a masonry room with a ramada, and nearby masonry roomblock with three rooms; 10 cutting dates cutting come from the ramada and date from A.D. 1054 to 1062. The Red Hill Site (NA 5168) is a partially excavated room filled with charcoal, which provides one cutting date at A.D. 1009, and two more cutting dates at A.D. 1093. The final cutting dates is at A.D. 1027 from a feature in site NA 20619.

Rio de Flag Phase. From A.D. 1030 to 1085 there are only 10 sites with cutting and near cutting dates, the majority of which fall into three clusters in Quadrangle I, and the Pershing Site in Quadrangle O (Figure 6.7). The Rio de Flag phase sites are more widespread than the previous Sunset phase, and the distribution skews more to the east within the study area. Site locations still tend to mainly group around the San Francisco Peaks. During this phase, the sites Arizona I:1:17 (ASM), NA 2133 at Winona Village, and NA 1238 provide the majority of cutting and near cutting dates (63.1%) (Table 6.4).

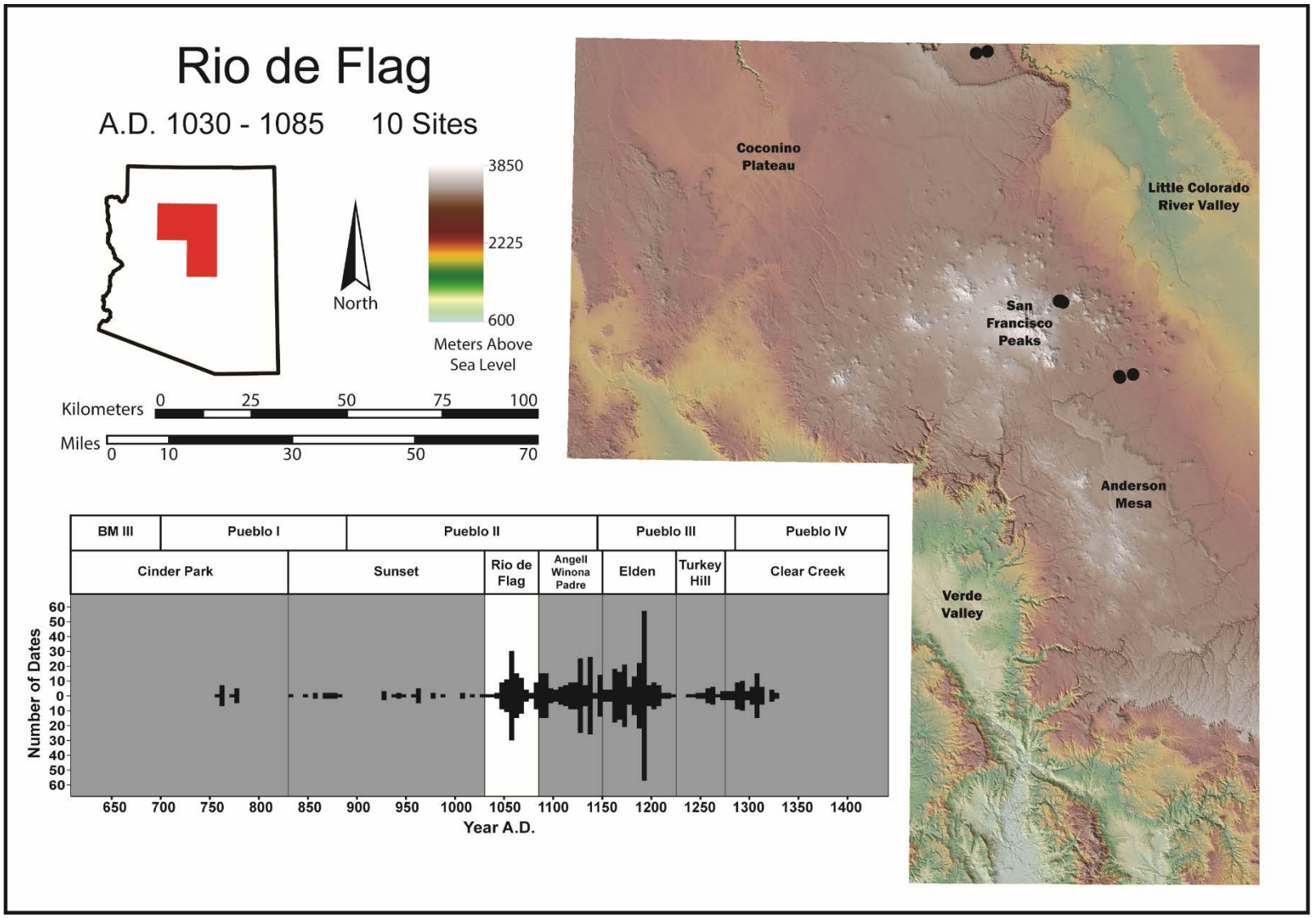


Figure 6.7. Map of tree-ring dated sites of the Rio de Flag phase.

Table 6.4. Rio de Flag Cutting and Near cutting Dates by Site.

Site	Quadrangle	Cutting	Near cutting	% of Rio de Flag
Arizona I:1:17 (ASM)	I	32	3	36.8%
NA 2133 A & D (Winona Village)	I	12	2	14.7%
NA 1238	I	9	2	11.6%
MU 125	I	6	3	9.5%
Medicine Fort (NA 862)	I	9	0	8.4%
NA 1625C	I	8	0	8.4%
Pershing Site (NA 7207)	O	5	0	5.3%
NA 3674 R (Ridge Ruin)	I	3	0	3.2%
NA 3644 K (Winona Village)	I	1	0	1.1%
NA 1238 (Crater 35 Group)	I	1	0	1.1%

The earliest of the Rio de Flag phase dates come from the Pershing Site (NA 7207), which also has a pit house dating to the Cinder Park phases. Of the later cutting dates from Pershing Site, two come from a pit house dating to A.D. 1083 and 1085. Three have no provenience including one date at A.D. 1032, and two at A.D. 1063. The Pit House A likely dates to A.D. 1085 or shortly after; however, the dates without provenience can only hint at some construction around A.D. 1085 at the site (Bannister et al. 1966:24).

The next set of dates are from Medicine Fort (NA 862), with one cutting date from Room East I, one date from Room East II, three dates from Room East III, three dates from Room IV, and one date with no provenience. The nine cutting dates range from A.D. 1028 to 1059, but do not indicate any particular period of construction for any room. However, the date distribution does indicate a terminal occupation date around A.D. 1063 (Robinson et al. 1975:59).

NA 1238 provides the next set of dates, with nine cutting dates ranging from A.D. 1046 to 1068, and two near cutting dates at A.D. 1062. The dates all originate from a single pit house,

with six dates from a ventilator and five listed with a miscellaneous provenience. Clustering of dates indicates a construction of A.D. 1066, and a repair at A.D. 1068 (Robinson et al. 1975:63).

As mentioned above, the site of Arizona I:1:17 (ASM) consists of a single subterranean masonry structure, with three nearby ramadas. The site contributes a third of all cutting and near cutting dates in the Rio de Flag phase. The number of tree-ring dates from the sites means that it overrepresents human activity for the phase, because the site likely housed only a single family (Powell 2016:114). The dates range from A.D. 1049 to 1064, however most of the activity likely occurred between A.D. 1056 and 1064.

The next contributor of cutting and near cutting dates to the Rio de Flag phase is mapping unit (MU) 125, which does not represent an entire site as traditionally defined. The unit consists of a masonry structure with at least four rooms. Dates come from two separate proveniences; however, they are listed as Unit 3-8 and CU 3-7. The dates from MU 125 are six cutting dates, and three near cutting dates, ranging from A.D. 1065 to 1080. Date clustering indicates that more activity occurred between A.D. 1078 and 1080.

NA 1625 consists of two pit house features. Only Pit House C produced cutting dates for interpretation. Of eight cutting dates, four date to A.D. 1092, and four date to A.D. 1093, strongly indicating a construction date at A.D. 1093 (Robinson et al. 1975:65). Pit House C has potential for estimating a seasonal construction period, however more information about the outside ring is needed.

The sites of Ridge Ruin and Winona Village both provide tree-ring dates that occur within the Rio de Flag and Angell-Winona-Padre phases. For Ridge Ruin, the pit house listed as NA 3674R is originally listed as only having two noncutting dates at A.D. 1081 and 1082. Because NA 3673T is a trash mound described as having been deposited directly above NA

3674R the two dates likely come from the pit house. Of the three cutting dates, two date at A.D. 1080, and one dates to A.D. 1081

Of all the Winona Village sites or structures, three provide cutting or near cutting dates that fall in the Rio de Flag phase. Pit House K at NA 3644 provides one cutting date at A.D. 1076, and no noncutting dates. At NA 2133, Pit House A contributes 13 cutting dates and two near cutting dates ranging from A.D. 1083 to 1086, with a construction date at A.D. 1086. Pit House D at NA 2133 provides just one date at A.D. 1071 (Robinson et al. 1975:90).

Angell-Winona-Padre Phase. The period I am labeling the Angell-Winona-Padre phase spans A.D. 1085 to 1150, and is the phase following the Sunset Crater eruption. During this phase sites are more geographically widespread, although still concentrated mainly around the San Francisco Peaks. The sites of Wupatki and Heiser Springs Pueblo are the first dated using tree-ring samples to be located at lower elevations in the Little Colorado River Valley. Additionally, there is more construction and activity at the sites in Winona Village and Ridge Ruin (Figure 6.8).

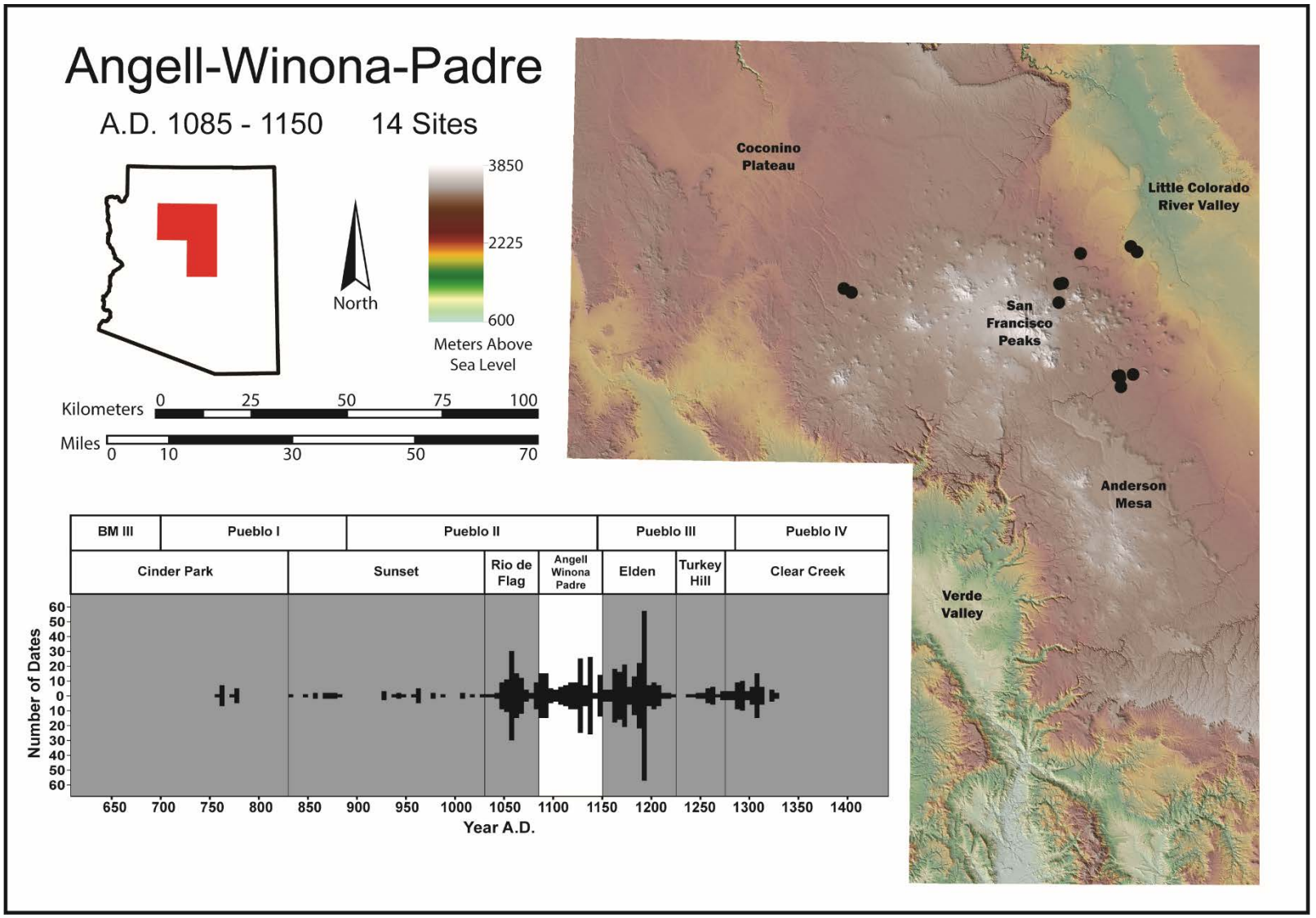


Figure 6.8. Map of tree-ring dated sites of the Angell-Winona-Padre phase.

A total of 14 sites contribute cutting and near cutting dates that fall within this period (Table 6.5). Of the 14 sites, the sites of Wupatki (NA 405) and Juniper Terrace Pueblo (NA 1814) contribute slightly more than half of the dates (51.4%), and if NA 1785 from Ridge Ruin is included, three sites comprise a full two thirds of the total dates (66.6%).

Table 6.5. Angell-Winona-Padre Cutting and Near cutting Dates by Site.

Site	Quadrangle	Cutting	Near cutting	% of A-W-P
Wupatki (NA 405)	I	30	3	31.4%
Juniper Terrace Pueblo (NA 1814)	I	16	5	20%
NA 1785 (Ridge Ruin)	I	11	5	15.2%
NA 11237	H	10	0	9.5%
NA 420	I	4	2	5.7%
Heiser Spring Pueblo (NA 1754)	I	5	0	4.8%
NA 2135C (Winona Village)	I	3	0	2.9%
NA 3644M & P (Winona Village)	I	3	0	2.9%
NA 5137	H	2	0	1.9%
NA 2134B (Winona Village)	I	1	1	1.9%
Canyon Road House Ruin (NA 192)	I	1	0	1%
NA 1244B	I	1	0	1%
NA 10779B	I	1	0	1%

The site with the earliest cutting date comes from Winona Village (NA 2135 C). Two cutting dates are at A.D. 1087, and one date is at A.D. 1096. Because there are two noncutting dates after A.D. 1087, a construction date is not conclusive, but the pit house construction likely dates to the late 1090s or 1100s (Robinson et al. 1975:91). Pit House B at NA 2134 also has a single cutting date at A.D. 1088, and a near cutting date at A.D. 1090, which suggests that the pit house likely dates to the 1090s. Pit houses M and P from site NA 3644 have a total of three cutting dates and is part of the same site as Pit House K which had a cutting date from the previous Rio de Flag phase. Pit House M has two cutting dates at A.D. 1097 and 1104, and Pit House P has one cutting date at A.D. 1107.

Site NA 1785, the pueblo at Ridge Ruin contributed the third highest number of cutting and near cutting dates of the Angell-Winona-Padre phase. This site has 11 cutting dates, ranging from A.D. 1092 to 1155, and five near cutting dates from A.D. 1101 to 1129. Of all 16 dates, three come from Room 11, and 13 from Room 6. The construction date for Room 6 is likely A.D. 1135; however, Room 11 has cutting dates at A.D. 1092, 1117, and 1128, so a date of construction is less certain (Robinson et al. 1975).

Canyon Road House Ruin (NA 192) contributes one cutting date without provenience at A.D. 1093. There are three noncutting dates from the Room 2 floor that date from A.D. 1097 to 1109, so occupation likely did not last past the A.D. 1109. Not much else can be known from the site based on tree-ring dates (Robinson et al. 1975:34)

NA 1244 has a single pit house that contributes one cutting date to the dataset at A.D. 1094. Construction could have occurred during that year, but without further evidence, that cannot be certain (Robinson et al. 1975).

Heiser Spring Pueblo (NA 1754) in Wupatki National Monument contributes five cutting dates from A.D. 1094 to 1096. Four of the dates have no provenience, with one date at A.D. 1094, one date A.D. 1095, and two dates at A.D. 1096. The final date at A.D. 1094 comes from a pit house. The cluster of dates in the middle 1090s indicates activity to that period, but not much more can be inferred (Robinson et al. 1975:48)

Wupatki Pueblo (NA 405) has its earliest dates beginning in the Angell-Winona-Padre phase and is the largest contributor of cutting dates with thirty cutting dates and three near cutting dates. For the Angell-Winona-Padre phase, Wupakti has dates spanning from A.D. 1106 to 1149; however, the ranges of dates are continuous with no clear break before the transition into the Elden phase. The samples dating to the Angell-Winona-Padre phase come from twelve

separate proveniences, with six sample's proveniences listed as "N/A," and one sample without provenience (Briggs 2017).

NA 11237 is an eight-room masonry structure. The site contributes ten cutting dates to the Angell-Winona-Padre phase, with one date from Room 1 at A.D. 1111, and nine dates ranging from A.D. 1118 to 1128. Because of the provenience, only Room 5 can accurately be dated to A.D. 1128, but dating of the seven other rooms is uncertain (Robinson et al. 1975:26).

NA 5137 consists of six brush structures, delineated by boulder alignments. Only of two the structures contribute cutting dates, with one date at A.D. 1120, and one date at A.D. 1124. This provides a possible construction date in the 1120s (Robinson et al. 1975:19); however, it only dates one of the six structures.

NA 420 contributes four cutting dates and two near cutting dates to the dataset for Angell-Winona-Padre. All dates come from a single feature, with the two near cutting dates at A.D. 1123 and 1125, and the cutting dates at A.D. 1129. Because of the clustering at A.D. 1129 it is likely that construction occurred during that year, or shortly after (Dean 1999).

Juniper Terrace Pueblo (NA 1814 C and E) is the second largest contributor to cutting dates for Angell-Winona-Padre, with 16 cutting dates and five near cutting dates. The site consists of two masonry pueblos, two masonry pit houses, a single timber pit house, and single masonry room with connected walls. The provenience from the Laboratory of Tree-Ring Research archives is difficult to decipher, and in the Robinson et al. (1975) publication, all samples are listed with no provenience. However, the provenience was later sort out in the dissertation of Christian Downum (1988:342-346), with all samples either coming from a wooden pit house (NA 1814 C) and a "masonry pit house" (NA 1814 E).

NA 1814 C consists of single pit house constructed with wooden elements and a burial located inside the structure. The pit house contributes nine cutting dating dates all dated to A.D. 1129, strongly indicated a year of construction. Like Pit House C from NA 1625, if there was more information on the condition of the outside rings, it could be possible to determine the season in which the pit house was built. The burial likely appears to have been intrusive, placed just beneath the floor of the pit house (Downum 1988:343). The burial occurred after construction, but the exact date is unknown.

NA 1814 E consists of a rectangular “masonry pit house” or “big kiva” and is divided into three rooms, one large room in the south portion of the structure, and two smaller rooms in the north (Downum 1988:345). The structure contributes seven cutting and five near cutting dates to the dataset, ranging from A.D. 1132 to 1139. The date range suggest the inhabitants may have stockpiled timber before construction, and based on provenience, construction occurred in A.D. 1139.

The last site with a cutting date is a pit house from NA 10779. The site consists of a single five-room pueblo and four nearby pit houses with a trash area. A single date from a pit house is placed at A.D. 1141, which indicates a possible construction some time at the end of the Angell-Winona-Padre phase in 1140s.

Elden Phase. The Elden phase between A.D. 1150 and 1225 follows the trend started in the Angell-Winona-Padre phase, with sites becoming more dispersed. In addition to continued habitation at Wupatki in the Little Colorado River Valley, the first site with tree-ring data at a cliff dwell labelled as Verde-Misc. II, is located within the Verde Valley southwest of the San Francisco Peaks. The Elden phase might also be the first phase to show some movement south, but only when considering tree-ring dates (Figure 6.9).

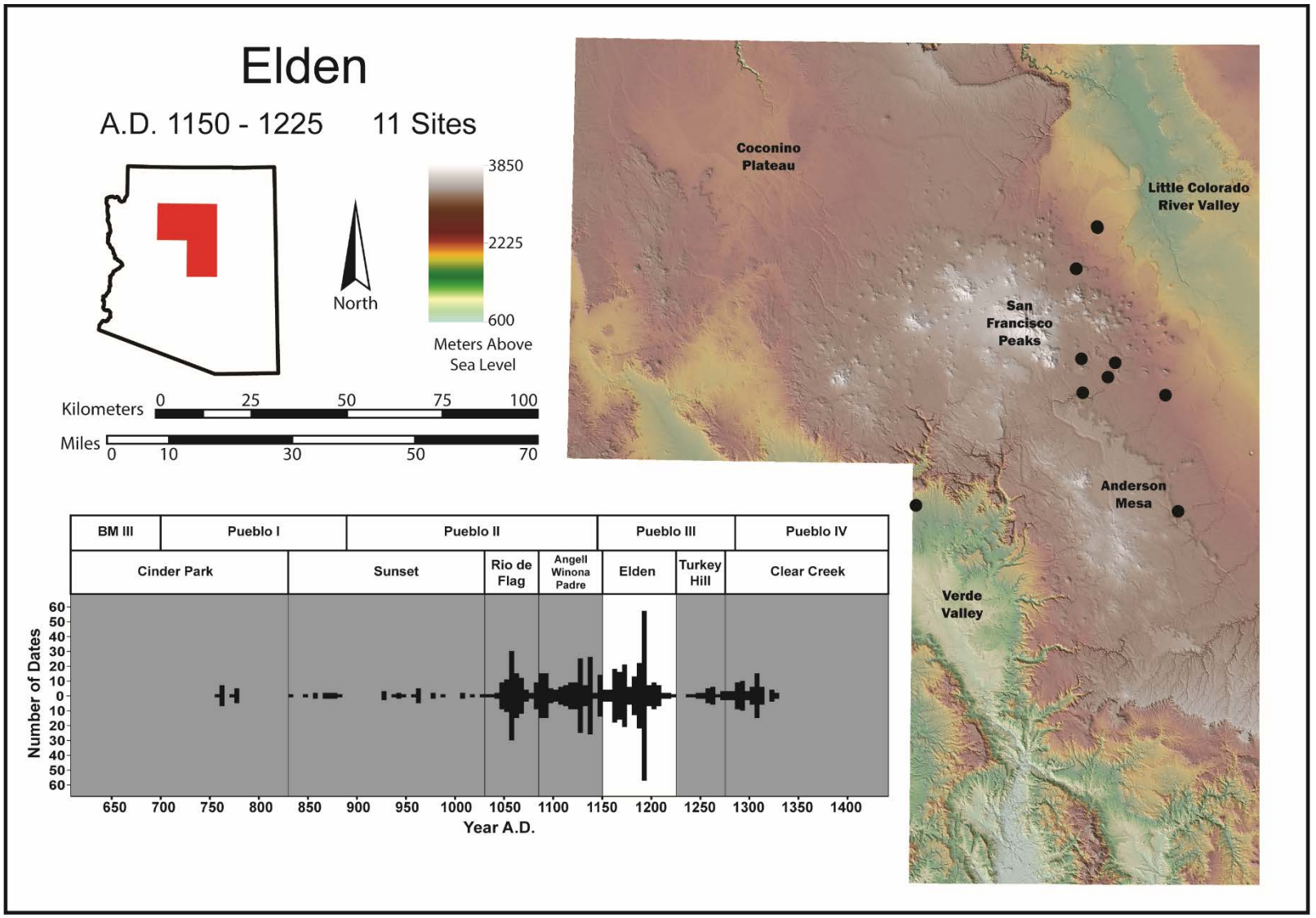


Figure 6.9. Map of tree-ring dated sites of the Elden phase.

The Elden phase is the phase with the largest number of cutting and near cutting dates, although not the phase with the largest number of sites. Of the ten sites in this phase, Wupakti and Two Kiva contribute 86.5% of all dates, with a total of 166 cutting and near cutting dates (Table 6.6).

Table 6.6. Elden Cutting and Near cutting Dates by Site.

Site	Quadrangle	Cutting	Near cutting	% of Elden
Two Kivas (NA 700)	I	108	0	56.3%
Wupatki (NA 405)	I	56	2	30.2%
Metate House (NA 1764A)	I	8	0	4.2%
Deadman's Fort (NA 1765A & B)	I	4	0	2.1%
The Citadel (NA 355)	I	2	0	1%
Turkey Hill Pueblo (NA 660)	I	1	0	0.5%
Verde-Misc. II	O	1	0	0.5%
Wilson Pueblo (NA 1139)	I	1	0	0.5%
Nalakihu (NA 358)	I	1	0	0.5%
NA 323 (Walnut Canyon Group)	I	1	0	0.5%

Wupatki is the site with the earliest cutting dates in the Elden phase, because it was inhabited as the Angell-Winona-Padre transitioned to Elden. Most dates from Wupatki in the Elden phase occur between A.D. 1150 and 1215; however, there is one near cutting date at A.D. 1253, which is the only date from Wupatki that occurs in the Turkey Hill phase. As in the previous phase, date provenience varies with instances of dates clustering in a single room or structure.

Also, in Wupatki National Monument, the sites of Nalakihu (NA 358) and the Citadel (NA 355) contribute cutting dates. The Citadel has two cutting dates at A.D. 1160 and 1192, and the Nalakihu has one cutting date at A.D. 1169. Neither site has any provenience on the cutting dates, so interpretations on construction period cannot be inferred.

The Two Kivas site is the most well-dated site in the entire study area, with 108 cutting dates. Because Two Kivas is situated into a single phase, those numbers drastically inflate the total number of cutting dates compared to other phases. The site consists of 15 rooms, and two kivas and dates range between A.D. 1162 and 1207. I discussed Two Kivas earlier in this chapter.

Turkey Hill Pueblo is a large masonry structure with 22 rooms and a likely second story in some areas (Robinson et al. 1975:81). However, despite the large number of rooms, only a single cutting date at A.D. 1168 comes from the pueblo. Additionally, two noncutting dates occur at A.D. 1277 and 1278, more than 100 years later; this could indicate construction sometime into the Clear Creek phase, skipping the Turkey Hill phase. No provenience is included with any of the dates.

Metate House (NA 1764) consists of a two-room masonry surface structure, and a masonry lined kiva or pit house (Robinson et al. 1975:72). A total of eight cutting dates come from the site, but only one has provenience from Room 2 and dates to A.D. 1207. Of the remaining seven dates, one dates to A.D. 1173, four dates at A.D. 1174, one dates to A.D. 1175, and one dates to A.D. 1183. Clustering suggests that construction took place around A.D. 1175, but the 1183 could be either another year of construction or repair (Robinson et al. 1975:72).

Deadman's Fort (NA 1765) consists of two masonry structures. One structure, labeled as NA 1765B, has no cutting dates, but the larger, thicker-walled NA 1765A contributes four cutting dates. Three of the cutting dates are at A.D. 1174 suggesting a construction date, while one cutting date is at A.D. 1182, which is likely a repair (Robinson et al. 1975:43).

Wilson Pueblo (NA 1139) is a five-room masonry structure built over an earlier structure. A single cutting date with no provenience dates to A.D. 1178; there are two noncutting dates that

that same year. However, there is an additional noncutting date at A.D. 1276, which is in the very start of the Clear Creek phase. The A.D. 1178 date seems to indicate a construction date (Robinson et al. 1975:86); however, the A.D. 1276 date seems anomalous, unless there was a typographical error.

NA 323 is the only site of the Walnut Canyon Group with a cutting date. The cutting date is at A.D. 1206, which falls into the Elden phase. However, two other sites at Walnut Canyon have noncutting dates at A.D. 1210 and 1255. The limited number of dates hampers interpretations based only on tree-ring dates.

A single cutting date comes from a cliff dwelling labeled Verde-Misc. II, but very little is known about the site. The sample was donated to the tree-ring laboratory in 1928, but there is no record of the site, and no site number appears to have been assigned to the sites. The exact location may not be known either.

Turkey Hill Phase. Spanning 50 years (A.D. 1225 to 1275), Turkey Hill phase is the shortest of all seven phases. For the tree-ring based chronology, sites are located farther east and south in the Turkey Hill phase compared to sites in previous phases. The sites are also more dispersed across the landscape. Sites are found in the Little Colorado River Valley, and only the site of Honanki is located in the Verde Valley (Figure 6.10).

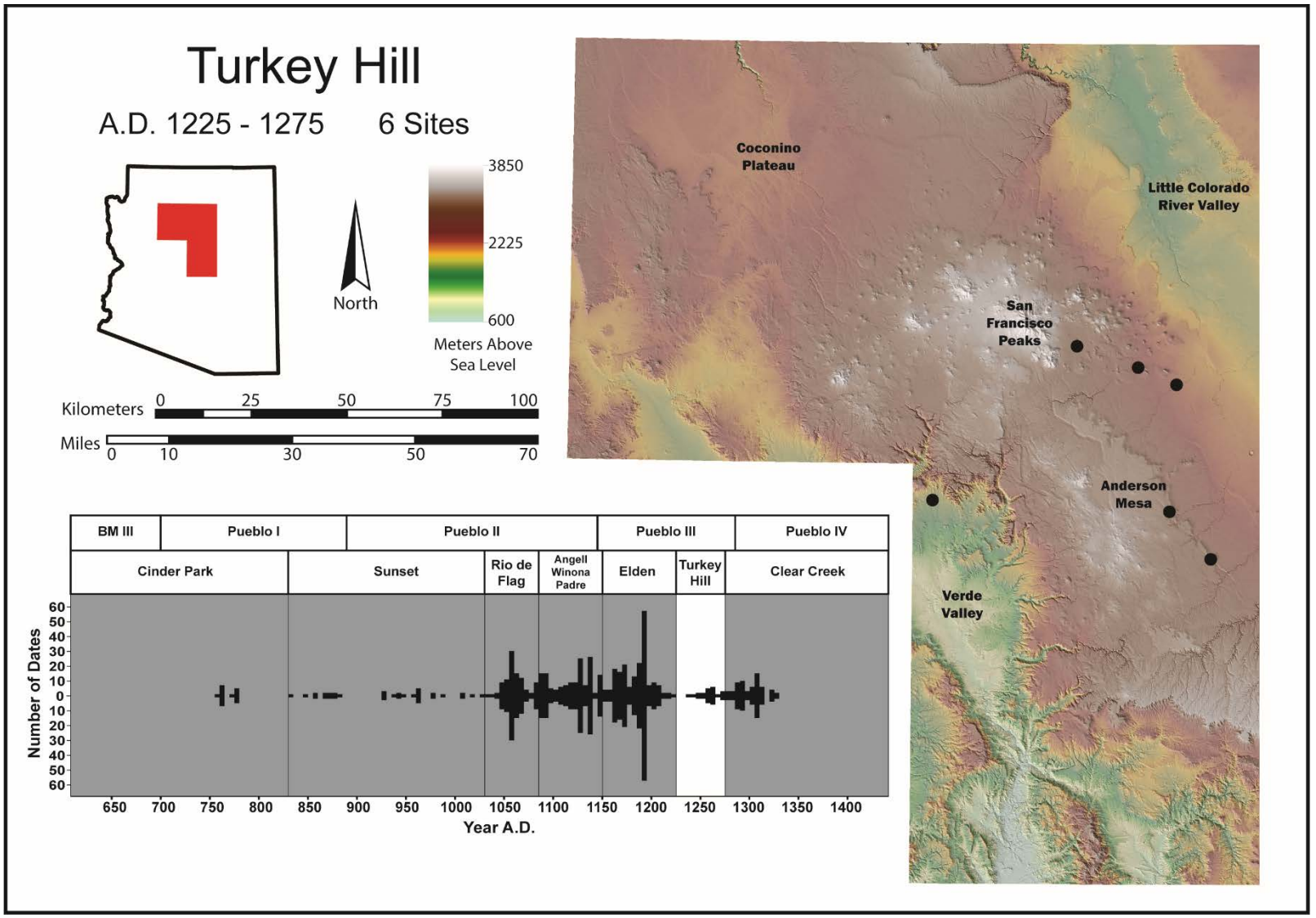


Figure 6.10. Map of tree-ring dated sites of the Turkey Hill phase.

The Turkey Hill phase only contributes 20 cutting and near cutting dates. Of the 20 dates eight cutting and near cutting dates are from Kinnikinnick Pueblo, and six cutting dates are from Arizona O:4:3 (ASU) at Chavez Pass totaling 77.7% of all cutting and near cutting dates. Lizard Man Village contributes two dates to the total, while all other sites contributing only one date (Table 6.7).

Table 6.7. Turkey Hill Cutting and Near cutting Dates by Site.

Site	Quadrangle	Cutting	Near cutting	% of Turkey Hill
Arizona O:4:3 (ASU)	O	6	2	44.4%
Kinnikinnick Pueblo (NA 1629)	O	6	0	33.3%
Lizard Man Village (NA 17957)	I	1	1	%
Honanki (NA 1255)	O	1	0	5.6%
Old Cave Pueblo (NA 72)	I	1	0	5.6%
Piper's Crater Fort (NA 534)	I	1	0	5.6%
NA 1138	I	0	1	5.6%

Lizard Man Village (NA 17957) consists of two small masonry room blocks, and around a dozen pit house structures (Kamp and Whittaker 1990:102). The site contributes one cutting date at A.D. 1219, and one near cutting date at A.D. 1247, as well as a noncutting date of A.D. 1261. The near cutting and noncutting dates indicate some construction in the Turkey Hill phase. The only cutting date falls within the Elden phase.

Kinnikinnick Pueblo (NA 1629) has its first cutting dates in the Turkey Hill phase; but, there are only six dates ranging, from A.D. 1238 to 1270. These cutting dates all originate from a single room along with 39 other dates in the Clear Creek phase, which I will discuss further when I get to the results of the Clear Creek phase.

Piper's Crater Fort (NA 534) is an eight-room pueblo with a low wall along the north side of the pueblo. A single cutting date from the site dates to A.D. 1246. There is no provenience for the tree-ring sample, so dating the entire site is tenuous at best.

Old Cave Pueblo (NA 72) is a large 70 to 80 room masonry structure. The site contributes a single near cutting date at A.D. 1253. The sample has no provenience included, and a single near cutting date makes establishing a construction period difficult.

NA 1138 is a cliff dwelling with no description. A single near cutting date from site dates to A.D. 1256. The single date's lack of provenience, and lack of site description makes interpreting the site problematic.

Arizona O:4:3 (ASU) is the site with the earliest cutting dates from Chavez Pass. Provenience for the cutting and near cutting dates is from Pueblo 3. The six cutting dates all date to A.D. 1264, and the two near cutting dates are at A.D. 1259. The 1264 dates indicate a year of construction, although the vague provenience does not suggest an order in which any rooms were built. Notably, the last rings of all samples that date to A.D. 1264 are complete, which indicates the timbers being harvested sometime after the growing season in A.D. 1264, but before the growing season in A.D. 1265.

Honanki (NA 1255) is a masonry structure of 30 to 40 rooms and a kiva situated along the base of a cliff. The site contributes one cutting date at A.D. 1271, described as coming from an upright timber in Room 6. The provenience does not indicate whether the timber is part of the structure or was found in the room. The single date with poor provenience makes establishing a construction period problematic.

Clear Creek Phase. Clear Creek Phase (A.D. 1275 to 1400) is the last phase. The sites from this phase are almost entirely in Quadrangle O, except for Turkey Tank Cave in Quadrangle

I. Sites with tree-ring dates are more dispersed across the landscape than in previous periods, but no sites with cutting dates are located in the valleys (Figure 6.11).

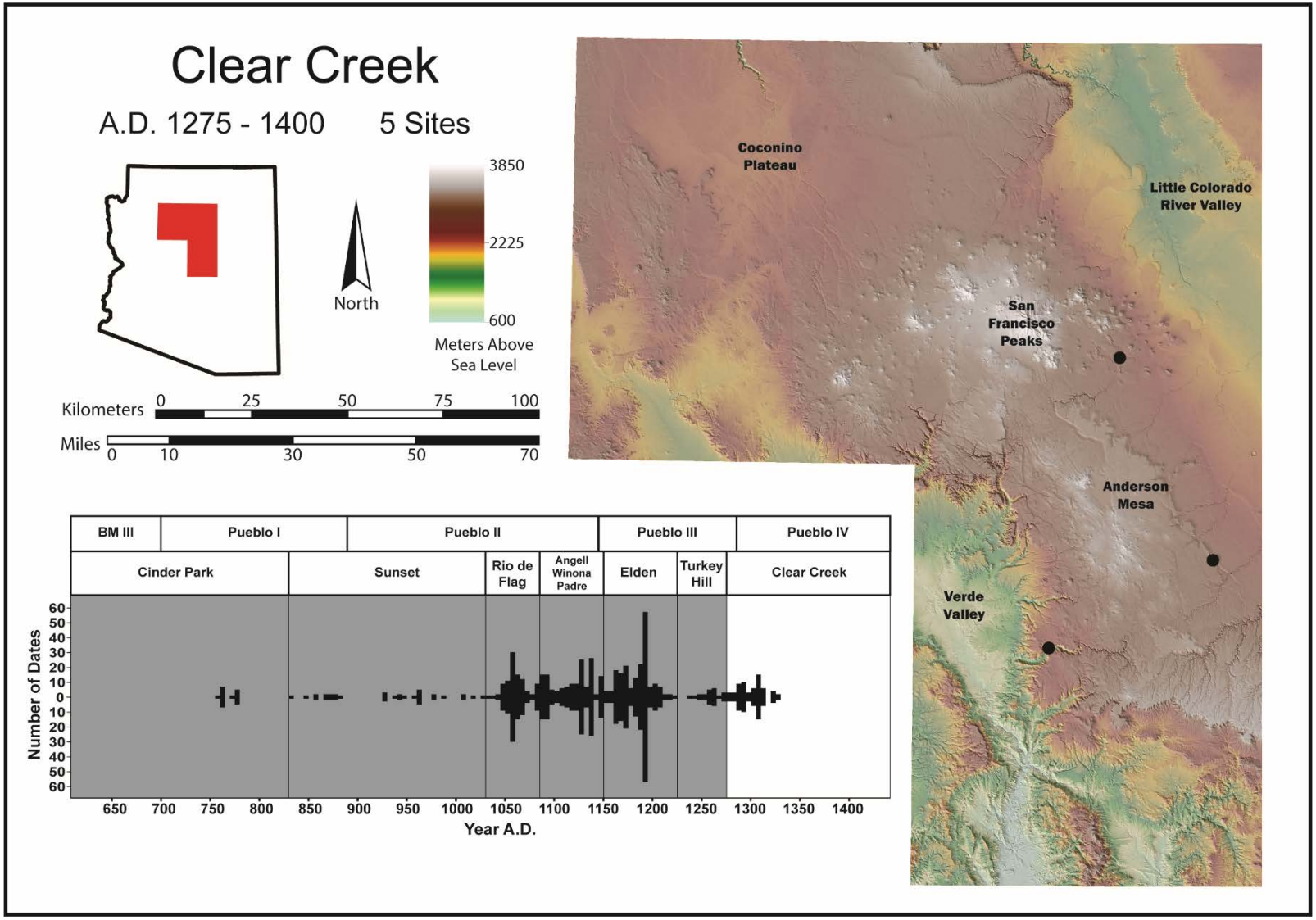


Figure 6.11. Map of tree-ring dated sites of the Clear Creek phase.

The Clear Creek phase contributes many more cutting and near cutting dates than the previous Turkey Hill phase, with 55 cutting dates, and seven near cutting dates. However, the majority of the dates come from Kinnikinnick Pueblo, which contributes 80.7% (n=46) of the total (Table 6.7).

Table 6.7. Clear Creek Cutting and Near cutting Dates by Site.

Site	Quadrangle	Cutting	Near cutting	% of Clear Creek
Kinnikinnick Pueblo (NA 1629)	O	48	4	76.5%
Pollock Site (NA 4317)	O	5	0	7.1%
West Clear Creek Cliff Dwelling	O	4	0	5.9%
Arizona O:4:5 (ASU) Chavez Pass	O	1	2	4.4%
Arizona O:4:1 (ASU) Chavez Pass	O	1	1	2.9%
Arizona O:4:2 (ASU) Chavez Pass	O	1	0	1.5%
Turkey Tank Cave (NA 117)	I	1	0	1.5%

Turkey Tank Cave (NA 117) contributes the earliest cutting date in the Clear Creek phase, and is also the only site located Quadrangle I. The site consists of 21 cavates dug into volcanic agglomerate with circular masonry walls (Robinson et al. 1975:73). The single cutting date is A.D. 1276, which only provides a tenuous construction date.

Kinnikinnick Pueblo (NA 1629) contributes many more dates to the Clear Creek phase. However, the dates overwhelmingly come from only one room. The cutting dates range from A.D. 1238 to 1310, but construction is around A.D. 1308 with dates before this year likely being reused beams (Bannister et al. 1966:21). Also notable are the two noncutting dates from the room that date to A.D. 1311 and 1374. The date of A.D. 1311 indicates continued activity at least a few years after construction, depending on how many rings are missing from the outside of the sample. The A.D. 1374 is more surprising and might indicate that the pueblo was inhabited for an extensive period; however, it is the only sample in the dataset, so it is more likely that wood

was incorporated after abandonment. Since most tree-ring dates come from a single room, it could be possible that more evidence of prolonged habitation exists in other rooms.

The Pollock (NA 4317) site includes two separate listings under two site numbers. NA 5817 consists of room outlines, including an excavated pit house. The pit house produced three noncutting dates at A.D. 1244, 1262, and 1303. NA 4317 is a masonry structure with a minimum of 30 rooms and contributes five cutting dates (Bannister et al. 1966:22). One room has a cutting date A.D. 1182 which is in the Elden phase, but the same room has a later noncutting date of A.D. 1271. One cutting date from another room is A.D. 1292. Two cutting dates at A.D. 1284 and 1286, and two non-cutting dates at A.D. 1284 come from a wood-covered burial pit. This date distribution apparently dates the burial to 1286. The final cutting date (A.D. 1243) has no provenience.

West Clear Creek Cliff Dwelling is a site that was dated after the Bannister et al. publication (1966), and thus has no specific information about the site or its dates. Four cutting dates come from two rooms that contribute to the dataset. One room has a cutting date at A.D. 1320 and two dates at 1321, indicating a construction period at A.D. 1321. The second room as a single cutting date at A.D. 1323, which could possible indicate a construction date.

The final three sites with cutting and near cutting dates are from Chavez Pass. Arizona O:4:1 (ASU) contributes two dates from separate proveniences. There is one cutting date at A.D. 1327, with a provenience that indicates an excavation unit. There is also a near cutting date at A.D. 1325, which also appears to be from an excavation unit. Arizona O:4:2 (ASU) provides one cutting data at A.D. 1304, which is roof fall from the pueblo. Arizona O:4:5 (ASU) has one cutting date at A.D. 1281, and two near cutting dates at A.D. 1285 and 1288, indicating construction within the last two decades of the 1200s.

The number of sites with cutting dates in each phase differs from the pattern of site concentrations in the ceramic chronology, with most sites with cutting dates occurring in the Sunset and Angell-Winona-Padre phases. However, the number of sites is more uniform from phase to phase with tree-ring dated sites than it is with sites dated using MCD.

Mean Ceramic Dating Maps

Ceramic dates follow a smoother cumulative trend than cutting and noncutting dates (Figures 6.3 and 6.4). However, all sites dated with MCD are within the Quadrangles H and I, as defined in Chapter 5. Therefore, the cumulative graph ends more abruptly in the Elden phase, and the last date is at A.D. 1275.

Cinder Park. During the Cinder Park phase (A.D. 550 – 830), sites that were dated with ceramics are clustered mainly around the base of the San Francisco Peaks and other volcanic features on the landscape. The area encompasses approximately 2,400 square miles, between the approximate elevations of 7,300 to 9,000 feet above sea level. Only 85 sites are dated via MCD that occur in the Cinder Park phase (Figure 6.12).

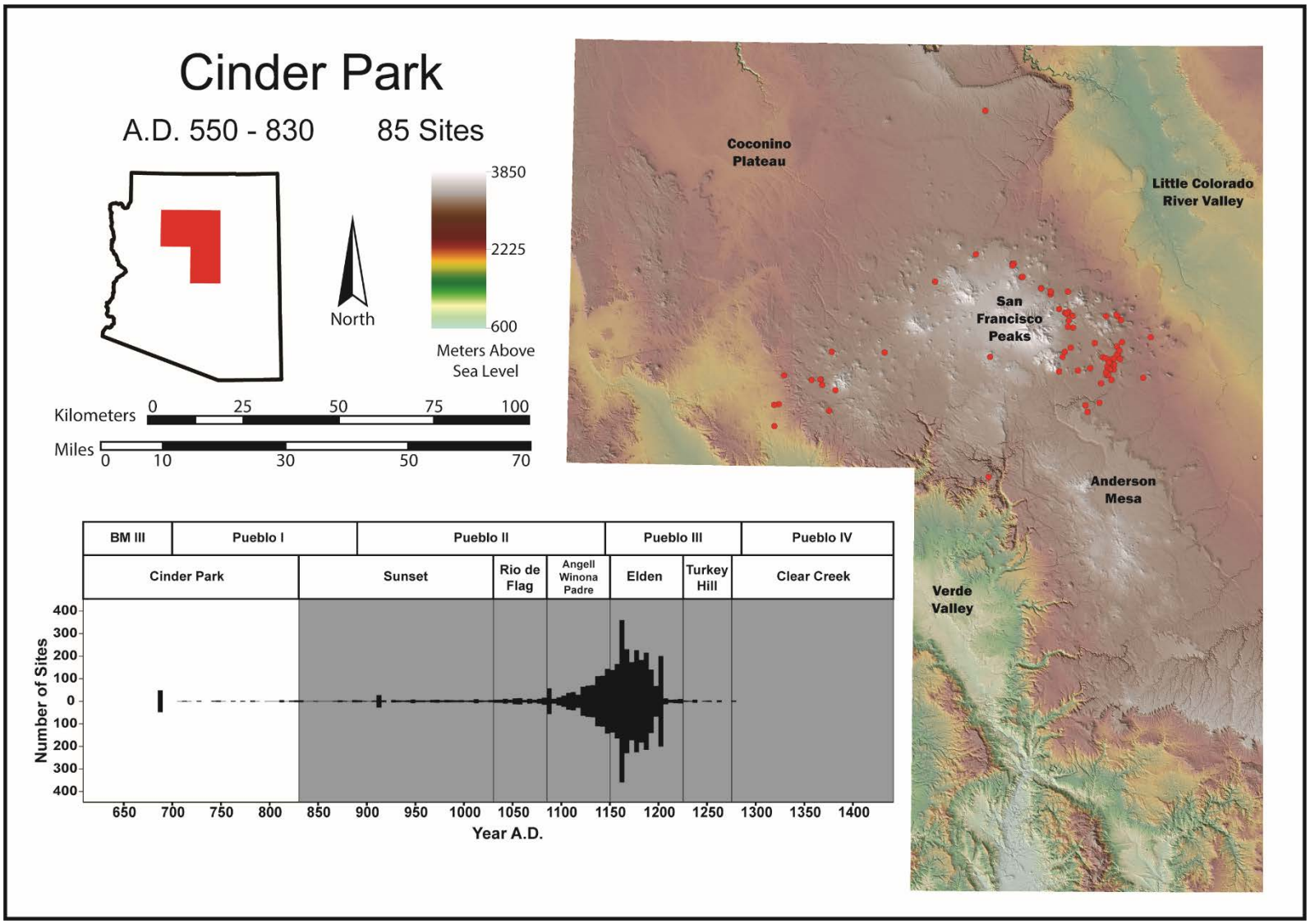


Figure 6.12. Map of ceramic dated sites of the Cinder Park phase.

Sunset Phase. A total of 170 sites occur the Sunset phase (A.D. 830 – 1030). The spread of sites within this phase appears very similar to the previous Cinder Park phase, with the main difference being higher site densities. Sites are dispersed over a similar 2,400 square mile area, and between 7,300 to 9,000 feet above sea level. However, there are a few more sites outside of that elevational range than in the previous phase (Figure 6.13).

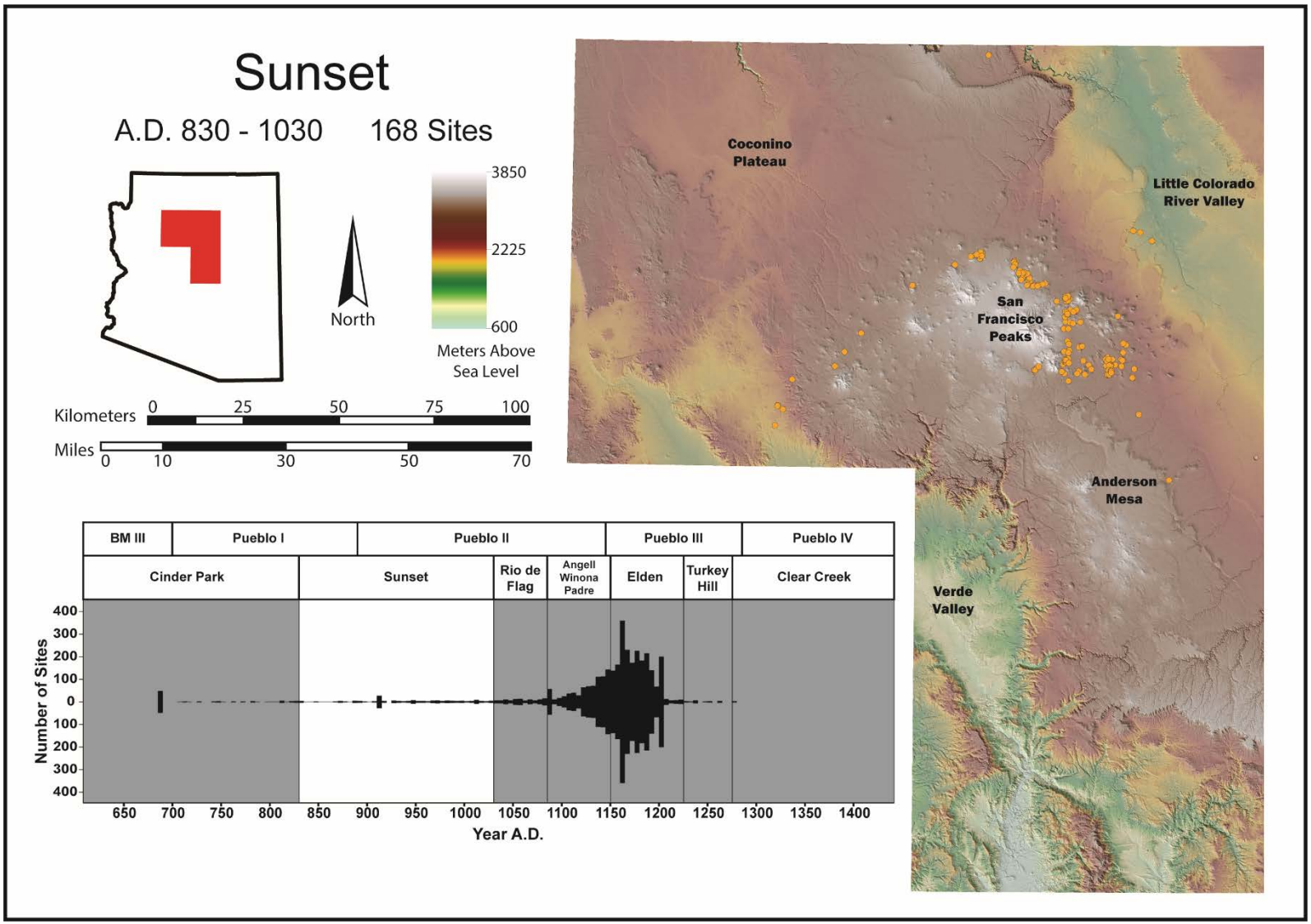


Figure 6.13. Map of ceramic dated sites of the Sunset phase.

Rio de Flag. The Rio de Flag phase (A.D. 1030 – 1085) continues the settlement pattern of Sunset phase, with most sites located around the base the San Francisco Peaks. The Rio de Flag Phase has 58 fewer sites than the previous Sunset Phase; however, this could be a sampling error. Most sites still occur within the 2,400 square mile area, but there are a greater number of sites outside that area, at elevations as low as approximately 3,280 feet above sea level in the Little Colorado River Valley (Figure 6.14).

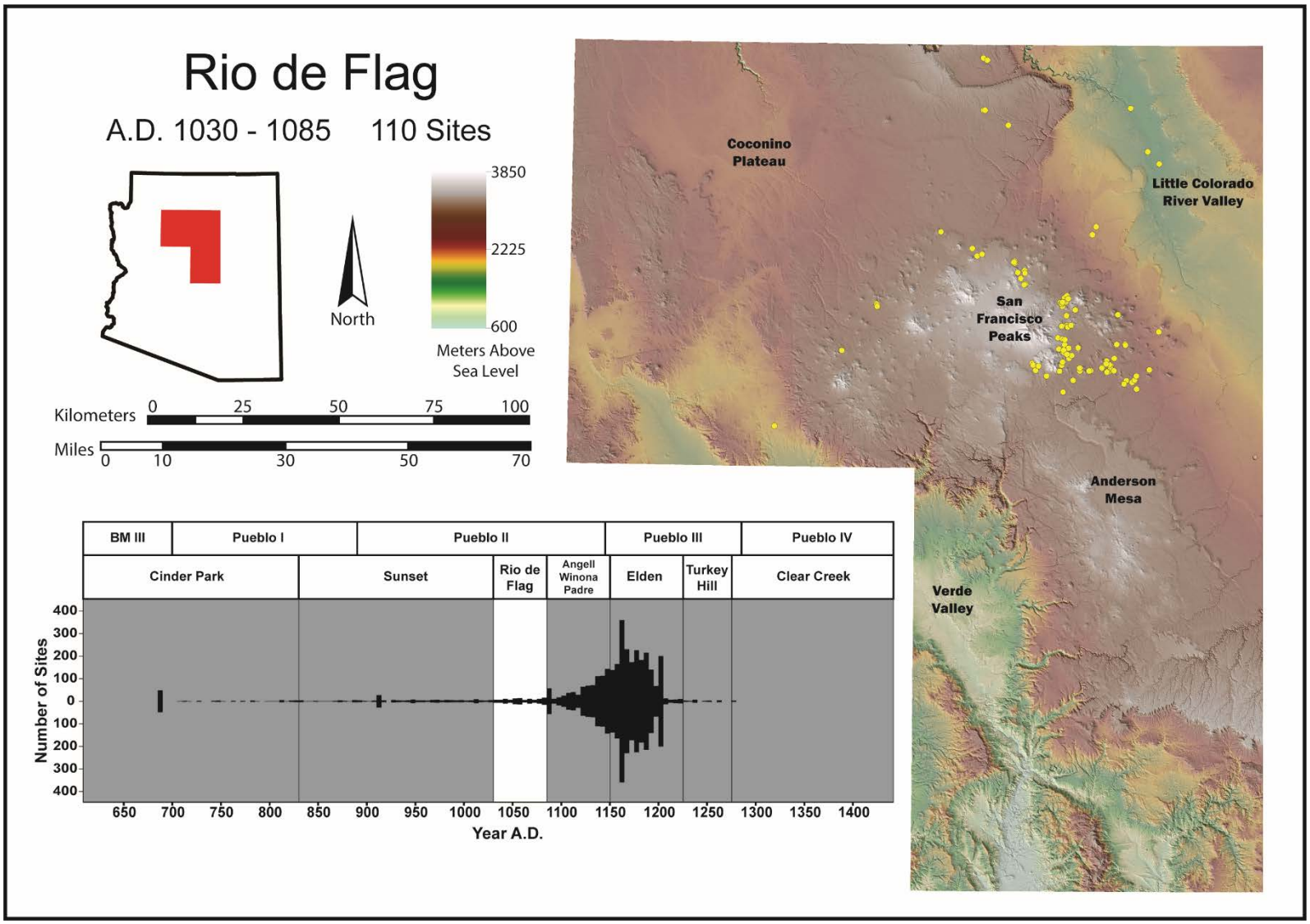


Figure 6.14. Map of ceramic dated sites of the Rio de Flag phase.

Angell-Winona-Padre Phase. The following Angell-Winona-Padre phase (A.D. 1085 – 1150) see a substantial increase in the number of sites, from 110 sites in Rio de Flag phase to 798 sites. Although there are still a large number of sites around volcanic features, the majority of sites are concentrated more in the east, with a large number of sites located at lower elevations. It is important to note that the large cluster of sites located northeast of the San Francisco peaks is in Wupatki National Monument and were located by archaeologists during intensive surveys (Figure 6.15).

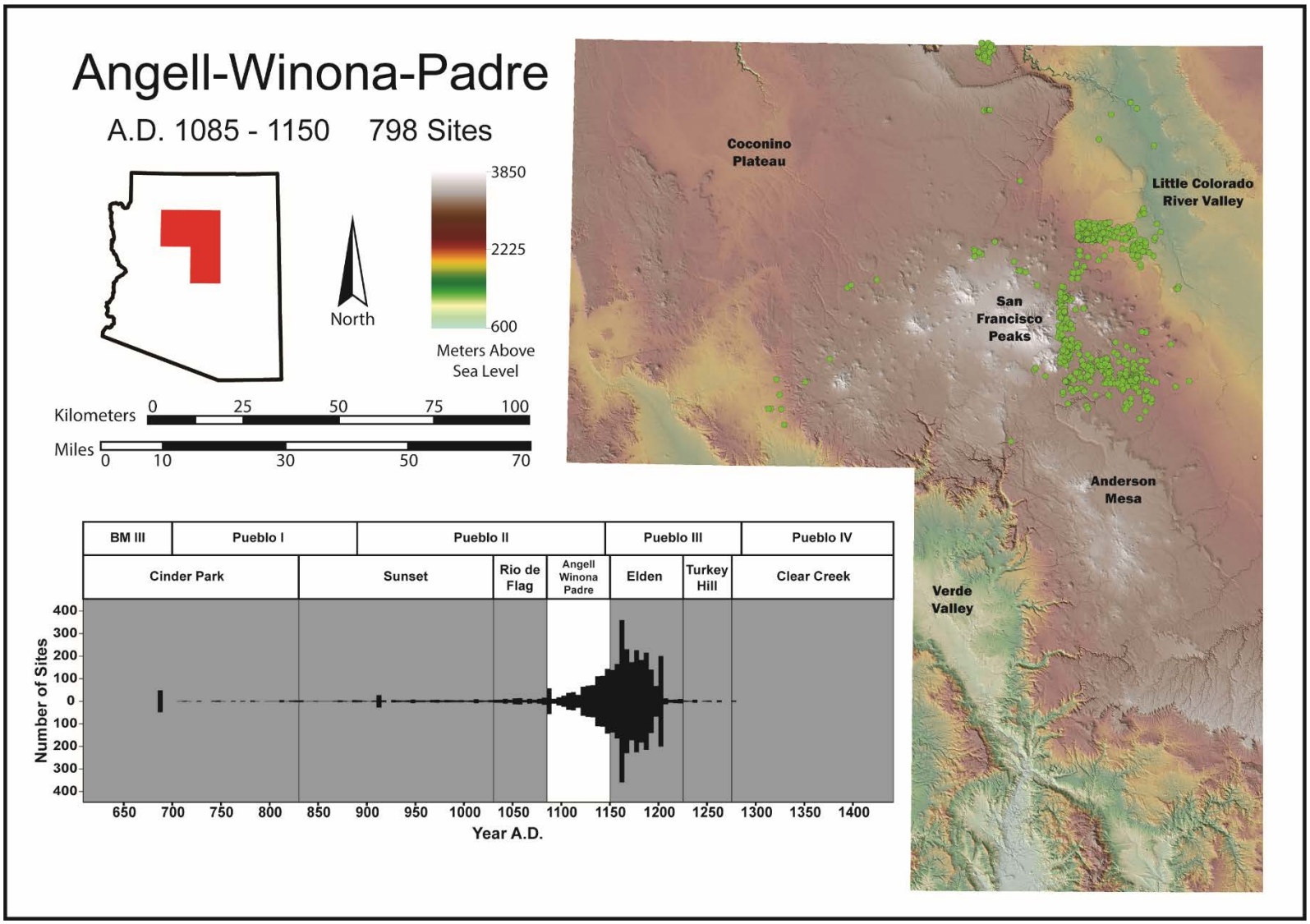


Figure 6.15. Map of ceramic dated sites of the Angell-Winona-Padre phase.

Elden Phase. The Elden phase (A.D. 1150 – 1225) has almost three times as many sites at the previous Angell-Winona-Padre phase (n=2,163), but the area which sites are located follows a similar pattern. Most of the sites are concentrated in Wupatki National Monument and areas of urban development, but the sites concentrations are more diffuse than the previous phase (Figure 6.16).

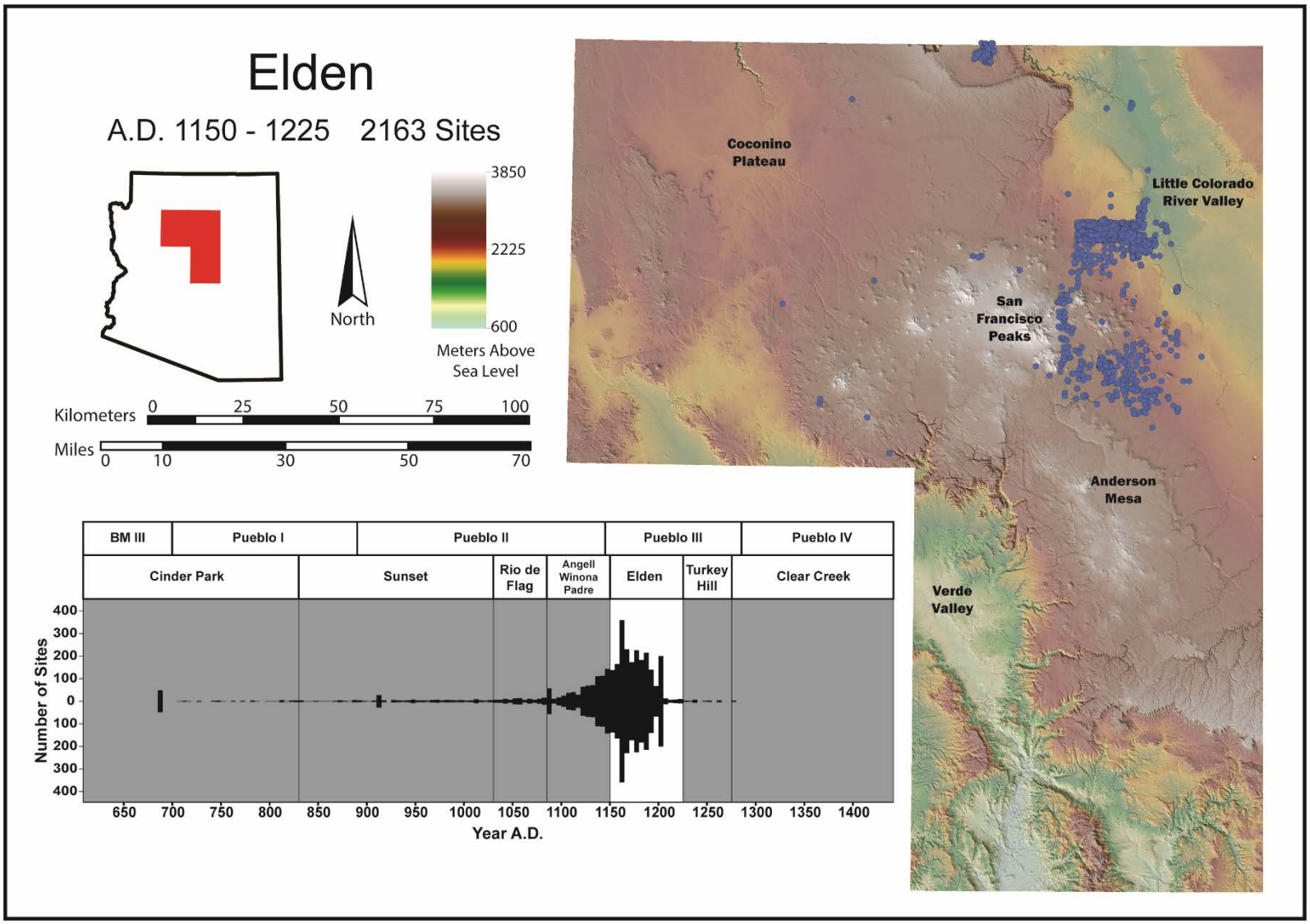


Figure 6.16. Map of ceramic dated sites of the Elden phase.

Turkey Hill Phase. The final is phase considered is Turkey Hill (A.D. 1225 – 1275). Although these are the latest set of sites dated using MCD, the Turkey Hill phase has the fewest number of sites (n=24). Based on MCD, it appears that the people left the area shortly after A.D. 1275. However, as mentioned above there are later sites dated using tree rings, that occur farther south (Figure 6.17).

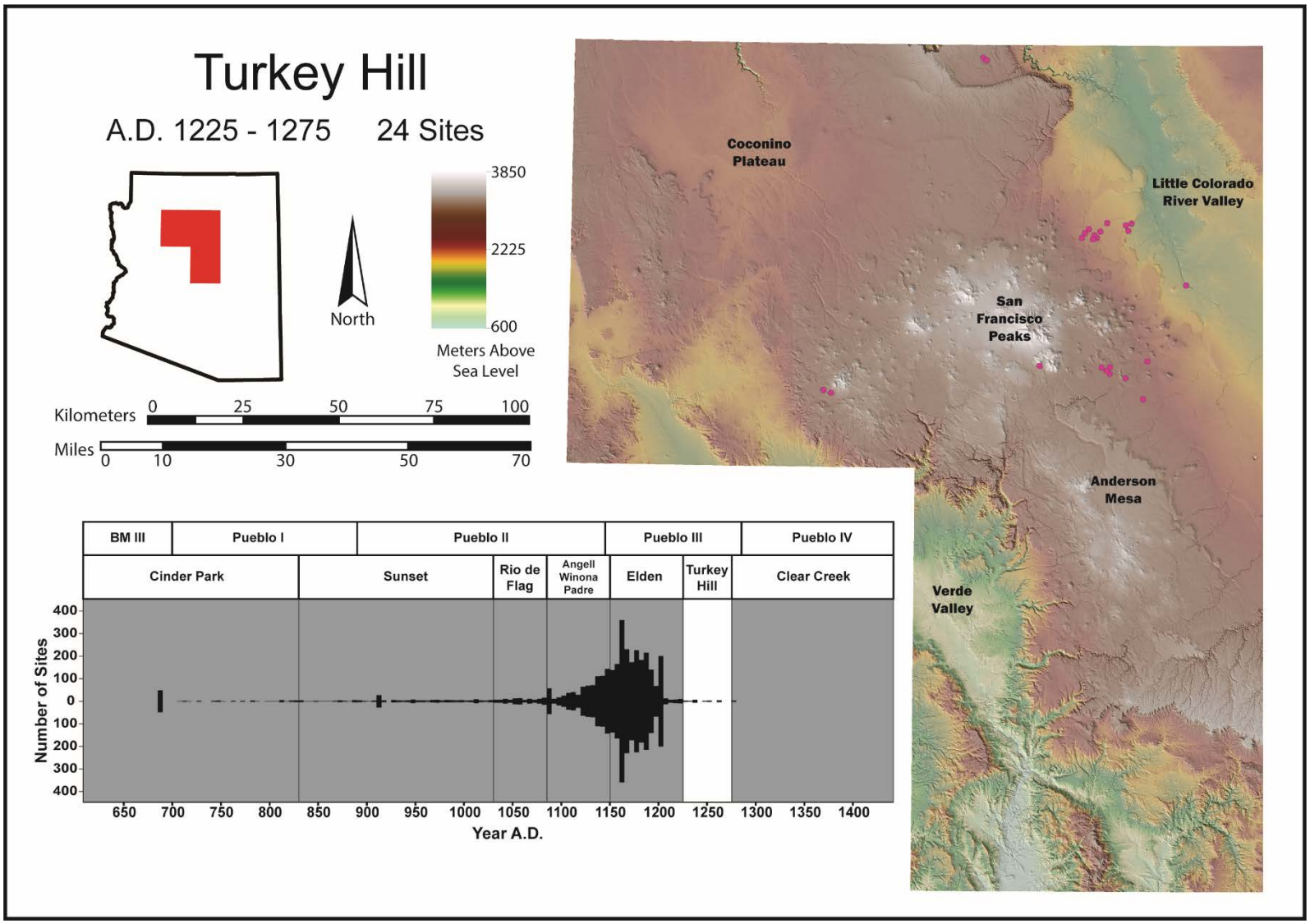


Figure 6.17. Map of ceramic dated sites of the Turkey Hill phase.

Results Conclusion

Based on the sites dated by MCD and tree rings from my dataset, there is little activity in the Flagstaff area involving ceramics or wood prior to A.D. 688. However, the earliest estimates of activity could be at A.D. 550 (Ahlstrom and Downum 2014:303). After the 6th century activity appears to be fairly limited until approximately A.D. 1085 with more sites located at lower elevations, and higher concentrations of sites east of the San Francisco Peaks. It is noteworthy that the number of sites increases dramatically shortly after the eruption date of Sunset Crater. However, I should mention that of 10,000 sites estimated to be within the Flagstaff area, the total number of sites in the dataset comprise less than 1% of that total. As I discuss in the next chapter, many sites in the dataset are known because of modern development around Flagstaff, and because of inventories taken in the Wupatki National Monument. It is possible that future data collection could alter the results found in my research.

CHAPTER 7: DISCUSSION

Several problems with archaeological chronologies arise in any attempt to construct accurate chronologies. The problems range from date distributions at small and large scales that do not align, as well as date distributions constructed by different methods that do not align. The situation created by the inconsistencies makes it difficult to definitively say there is a correct method for constructing chronologies of this type. However, by examining the datasets before constructing the chronology, archaeologists can identify potential problems with the dataset and lessen the influence problematic data might have on interpretations.

The results of a creating a cultural chronology based only on tree-ring dates for the Flagstaff area indicate many problems related to sampling bias and nonrepresentative dates. Often tree-ring dates can over-represent a single activity or construction event or underrepresent a site of significance. I discuss several examples of this problem, the most memorable of which is the comparison of two sites that share a name, Elden Pit House (NA 1531) and Elden Pueblo (NA 142). Despite the fact that Elden Pueblo consists of 60 to 70 rooms with outlying room clusters, the site only contributes one non-cutting date at A.D. 945. Elden Pit House on the other hand, is a single room pit structure, and contributes six cutting dates from A.D. 962 to 964.

Further problems arise when comparing the date distribution of tree-ring dated sites, with sites dated using the MCD method. The tree-ring chronology of cutting dates, with several peaks between A.D. 1050 and 1200 does not align with the MCD chronology with one cluster of dates spanning A.D. 1100 to 1200. While MCD sites do not necessarily represent the reality of the past, the fact that MCD distributions through time differ from tree-ring date distributions, indicates a lack of conclusive data.

Punctuated Equilibrium

When examining Flagstaff area tree-ring dated sites, there is a pattern of punctuated equilibrium, similar to the descriptions of Berry (1982) and Bocinsky et al. (2016) (Figures 7.1 and 7.2). The pattern is limited to cutting and near cutting dates, and the periods of maximum dates do not align with the pattern Bocinsky et al. observed in the larger Southwest. The only period when the Flagstaff area and the Southwest appear to align occurs between A.D. 1000 and 1150, during the Rio de Flag and Angell-Winona-Padre phases, as well as during the exploitation subperiod of Pueblo II. However, the alignment ends between A.D. 1150 and 1200 when the Flagstaff area sees an increase in the number of tree-ring cutting and near cutting dates, with most samples coming from the sites of Two Kivas and Wupatki. The chronology of Bocinsky et al. designates the A.D. 1150-1200 date range as the subperiod of exploration in the Pueblo III, when people were supposed to disperse across the landscape.

However, if I were to interpret the tree-ring data from the Flagstaff area in a similar method as Bocinsky et al., interpretations would indicate periods of increased cultural developments throughout the Rio de Flag (A.D. 1030-1085), Angell-Winona-Padre (A.D. 1085-1150), Elden (A.D. 1150-1225), and Clear Creek (A.D. 1275-1400) phases, indicative of possible punctuated equilibrium. However, this interpretation would be tenuous if based on tree-ring dates alone, because it is during these phases that the four main contributors of tree-ring cutting dates occur. If I were to accept that tree-ring dates truly are representative cultural development, and that these phases represented periods of increased cultural development, then I would also have to accept that these four sites were the main centers of cultural development. Certainly the sites of Arizona I:1:17 (ASM), Wupatki, Two Kivas, and Kinnikinnick were important in the Flagstaff area past, but they are not the only large sites in the area.

Another problem is the discrepancy between the Flagstaff area tree-ring chronology and the MCD chronology. In the MCD chronology the number of sites begin to increase in the Angell-Winona-Padre phase (A.D. 1085-1150) and peaks during the Elden phase (A.D. 1150-1225) but decrease dramatically beginning around A.D. 1200. This is significantly different from the tree-ring chronology of both the Flagstaff area and the Southwest, where instead of multiple periods with an increased number of dates, the MCD chronology features only one 100-year period between A.D. 1000 and 1200. This distribution of dates could indicate a different type of punctuated equilibrium, where it is possible that people migrated to the Flagstaff area and underwent a period of increased cultural development before abandoning the area entirely by A.D. 1300. If that is true, then the Flagstaff area could have served as one of Bocinsky et al.'s maize farming niches. However, the period of increased activity in Flagstaff area coincides with the subperiod of exploration in Pueblo III. If the exploration/exploitation model of Bocinsky et al. is correct, and the Southwest is undergoing a period of dispersal and social reorganization, then it appears the Flagstaff area did not get the message.

With none of the chronologies agreeing on when exactly new cultural developments occurred, then the question becomes: which method of chronology building is the best for making accurate interpretation about past cultures on a large scale? With all the problems I have discussed related to using tree rings as a proxy for human activity, it appears that the MCD might be the best candidate. However, there could be problems with how data for an MCD chronology is collected, which I examine by looking at the spatial relations between MCD sites and modern infrastructure.

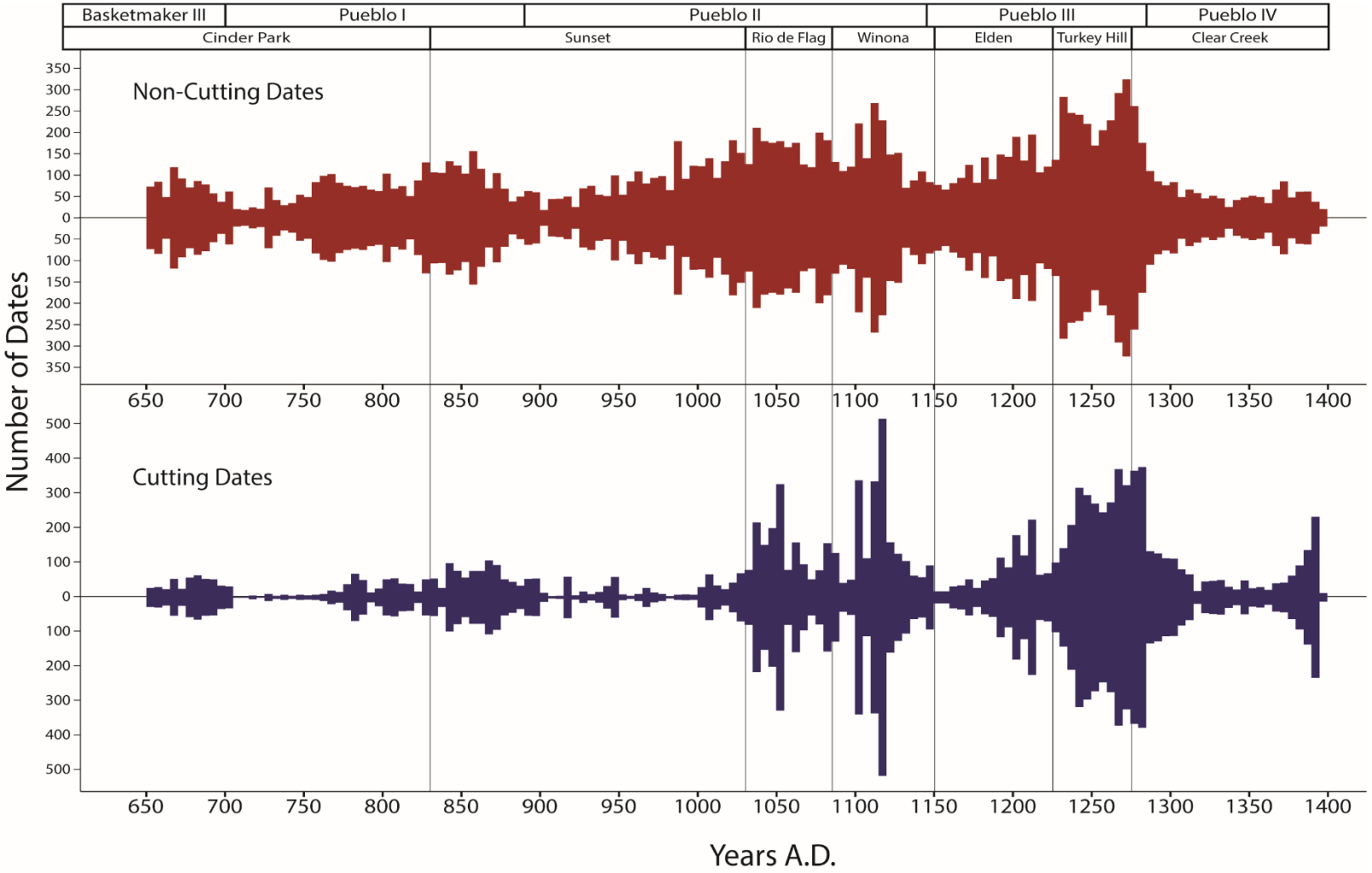


Figure 7.1. Cutting and noncutting dates from Bocinsky et al. (2016). Dates have been reduced to the same range of dates as the Flagstaff area chronology.

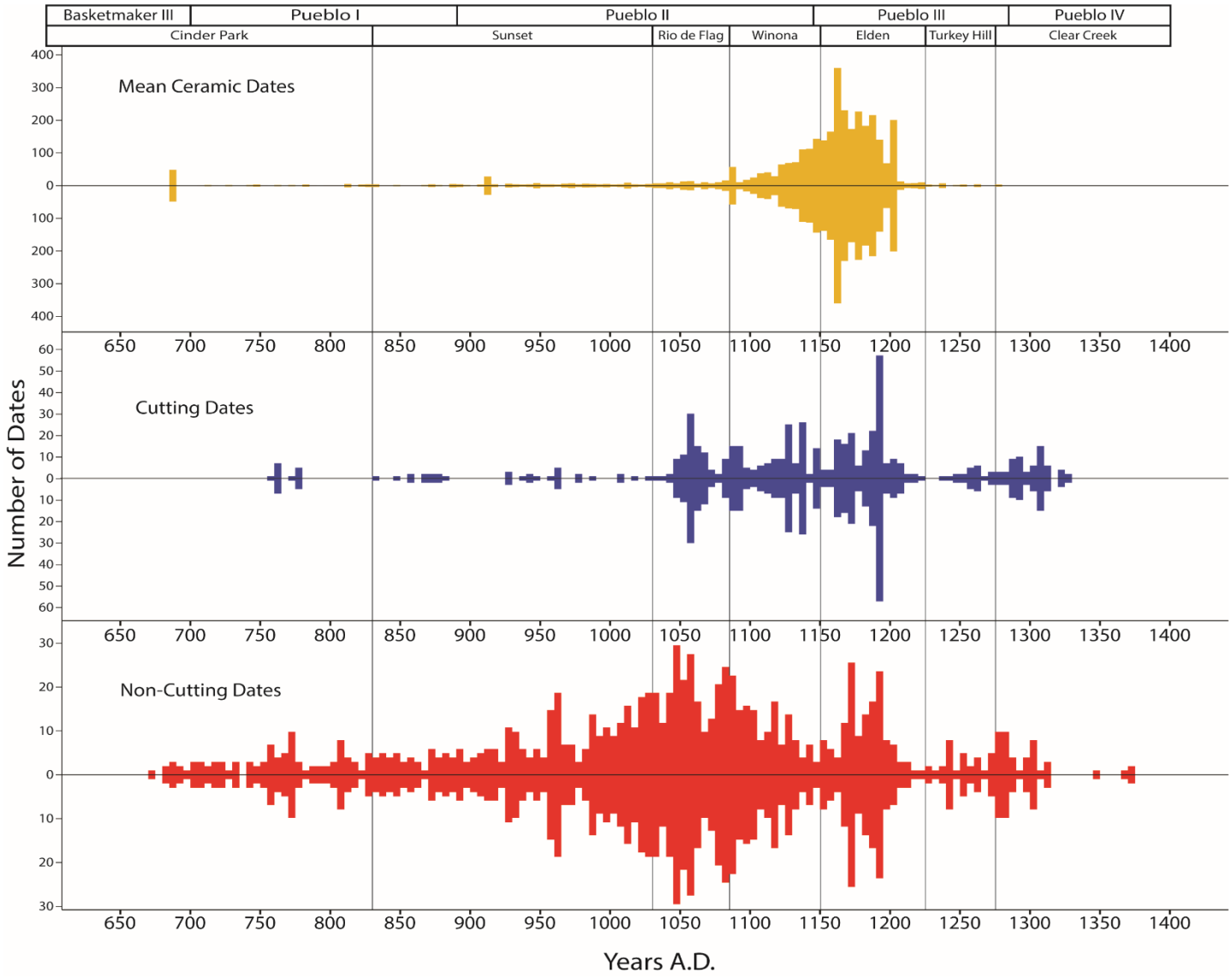


Figure 7.2. Cutting dates, noncutting dates, and mean ceramic dates for Flagstaff area.

Settlement Patterns and Modern Activities

When looking at temporal and spatial distributions of sites, there are marked differences between MCD and tree-ring dates. In addition to the large increase in the number of sites in the MCD chronology between A.D. 1100 and 1200, there is also a shift in site locations farther to the east. At the same time tree-ring dated sites appear to be located more east and south. This is, of course, could be due to the lack of data for MCD sites in Quadrangle O, but it illustrates how basing a chronology on a single type of dating method can be misleading. The tree-ring chronology places emphasis on sites with a dozen or more dates, while downplaying other major sites without tree-ring samples. The tree-ring chronology creates an illusion of significance that is not accurate, particularly when it comes to overrepresentation.

The MCD chronology, however, appears to better represent the settlement patterns occurring through time. Especially in the early phases between A.D. 650 and 1085, when sites are consistently located around the base of the San Francisco Peaks. Then following the eruption of Sunset crater, MCD sites drastically change settlement patterns, with an increase in the number of sites and a shift eastward. Certainly, the change in settlement patterns represents a change in behavior, but it might not account for all activity occurring between A.D. 650 and 1400.

There are possibilities for understanding the patterns observed in the MCD and tree-ring datasets, other than the behaviors of past people. Much of what is known about past sites is from research conducted in the course of CRM or from inventories of sites at national parks. When looking at the distribution of ceramic dated sites, 1,728 (51.6%) of the total 3,348 lie within the boundaries of Wupatki National Monument (Figure 7.3). The sites at Wupatki National Monument date almost entirely to the Angell-Winona-Padre and Elden phases, which comprise

the bulk of MCD sites in the entire sample. This begs the question: if similar-sized survey of different areas were conducted, would the patterns observed in this research of remain the same?

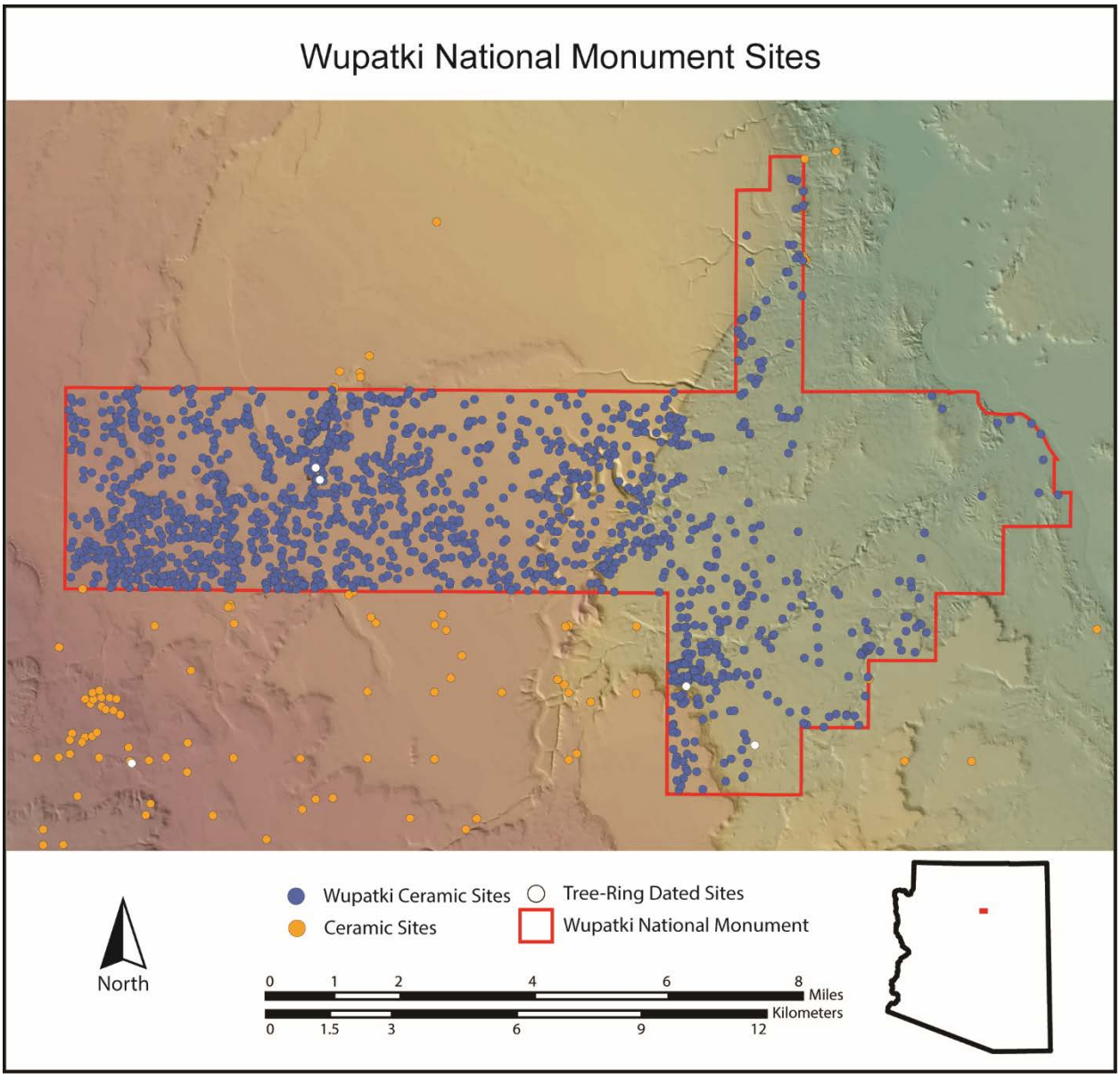
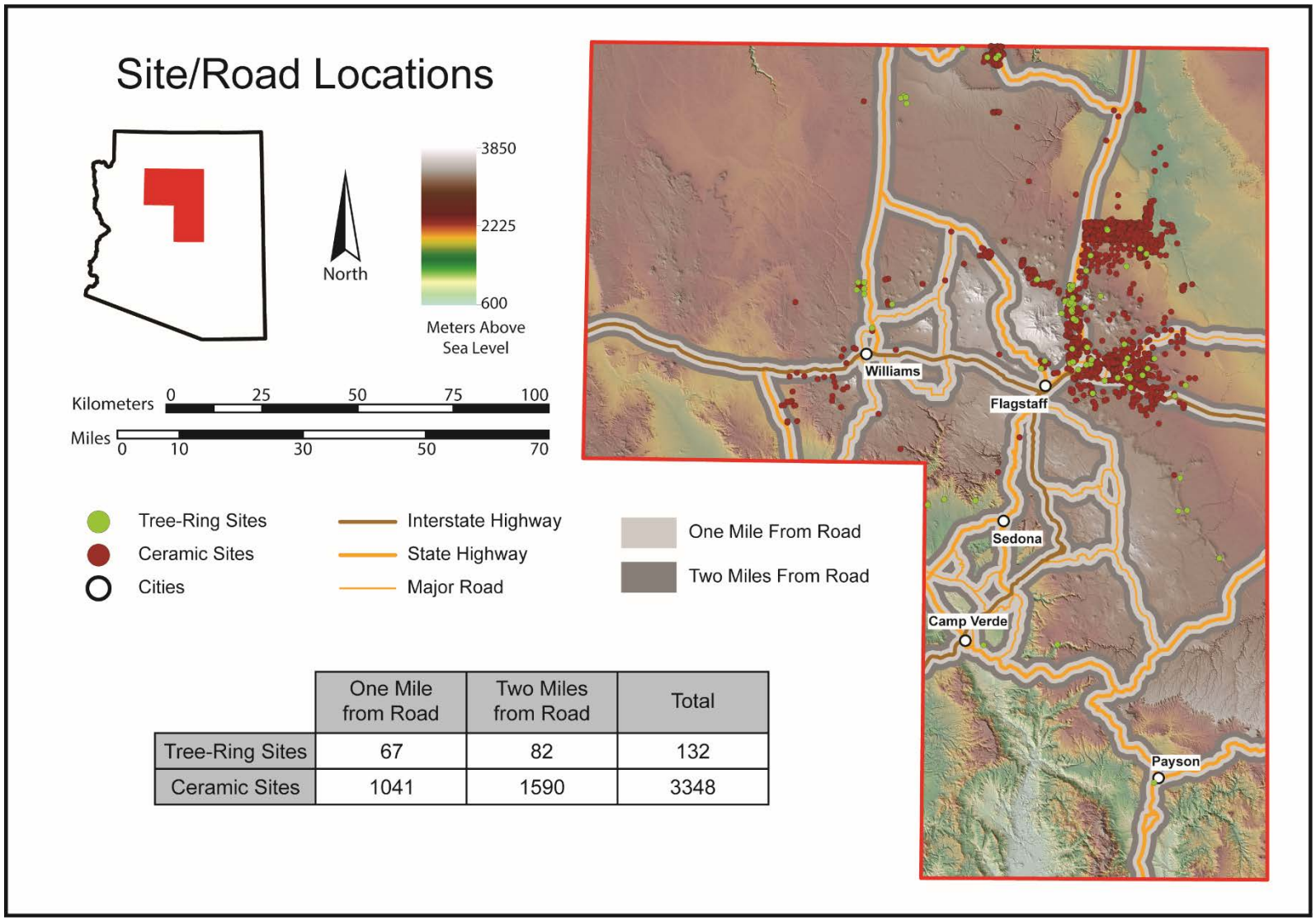


Figure 7.3. Map showing the concentration of sites within Wupatki National Monument boundaries.

Another way to understand the distribution of sites on the landscape is to consider modern infrastructure. Figure 7.4 depicts the interstates, state routes, and roads within the study area. For sites with tree-ring dates, 51% (n=67) are within one mile of a roadway, and 62% (n=82) are within two miles of a roadway. For MCD sites, 31% (n=1,041) are within one mile, and 47% (n=1590) are within two miles of a roadway. When combined with the numbers of Wupatki National Monument, the percentage of sites located during inventory and infrastructure surveys jumps to between 75% and 85% all MCD sites.

The main problem with the datasets and constructing a chronology is how the data were collected. For MCD sites, much of the data comes from compulsory archaeological surveys, which are conducted in anticipation of infrastructure projects, or to complete an inventory of a resources in the park. For tree-ring dated sites, the objective of archaeologists mainly focuses on best interpreting individual sites, instead of collecting a representative sample from all sites in a given area. Although the current set of data from both tree rings and MCD contributes greatly to understanding patterns of behavior in the past, it is important to realize that there could be a lot missing.



	One Mile from Road	Two Miles from Road	Total
Tree-Ring Sites	67	82	132
Ceramic Sites	1041	1590	3348

Figure 7.4. Map show the possible relationship between site locations and modern roadways.

Concluding Remarks

When considering cultural chronology building based only on one type of evidence, it seems clear that there are numerous problems that could occur. These problems could stem from sites being under or overrepresented in datasets. Sites can also contribute anomalous dates that do not accurately or precisely represent the actual construction events. Infrastructure project and park inventories have the potential to create a sampling bias, and possibly create a problem if it skews the results. These problems are not necessarily insurmountable, when it comes to building a chronology, but they must be taken into consideration.

With regard to the Bocinsky et al. (2016) article on cultural transition, my research does not determine whether the phases and subperiods of exploration and exploitation existed in other parts of the Southwest. Certainly, climatic variability plays a role in settlement patterns across the Southwest, and it is possible the Flagstaff area had characteristics that made it unique for settlement. However, it seems clear that settlement patterns and chronological sequence observed in the Southwest do not match the settlement patterns and sequence of the Flagstaff area.

It is possible that the results of my research could produce an accurate representation prehistoric settlement patterns of the Flagstaff area. The tree-ring chronology for the Flagstaff area is less likely to accurately reflect past behavior than the MCD chronology, but only more data, collected in an unbiased way could confirm the results. The problem that exists is cultural chronology construction leaves the process open to too much criticism to make any confident claims. Therefore, when considering the construction of a cultural chronology, sites should be analyzed on an individual basis, rather than taking the list of dates and disregarding all other evidence.

REFERENCES CITED

Ahlstrom, Richard V. N.
1985 *The Interpretation of Archaeological Tree-Ring Dates*. Ph.D. dissertation, Department of Anthropology, University of Arizona, Tucson.
1997 Sources of Variation in the Southwestern Tree-Ring Record. *Kiva*, 62(4):321-348.

Ahlstrom, Richard V. N., Jeffery S. Dean, and William J. Robinson
1991 Evaluating Tree-Ring Interpretation at Walpi Pueblo, Arizona. *American Antiquity*, 56(4):628-644.

Ahlstrom, Richard V. N. and Christian E. Downum
2014 Origins of an Archaeological Tree-Ring Data Set: Flagstaff Area, Northeastern Arizona. In *Archaeology in the Great Basin and Southwest*, edited by Nancy, J. Parezo and Joel C. Janetski. The University of Utah Press, Salt Lake City.

Bannister, Bryant
1962 The Interpretation of Tree-Ring Dates. *American Antiquity*, 27(4):508-514.

Bannister, Bryant, Elizabeth A. M. Gell, John W. Hannah
1966 *Tree-Ring Dates from Arizona N-Q Verde-Show Low-St. Johns Area.* Laboratory of Tree-Ring Research, University of Arizona, Tucson.

Benson, Larry V. and Michael S. Berry
2009 Climate Change and Cultural Responses in the Prehistoric American Southwest. *Kiva*, 75(1).

Berry, Michael S.
1982 *Time, Space, and Transition in Anasazi Prehistory*. University of Utah Press, Salt Lake City, Utah.
1985 Data, Assumptions, and Models: A Reply to Dean. *American Antiquity*, 50(3).

Berlin, G. Lennis, David E. Salas, and Phil R. Geib
1990 A Prehistoric Sinagua Agricultural Site in the Ashfall Zone of Sunset Crater, Arizona. *Journal of Field Archaeology* 17(1):1-16.

Bockinsky, R. Kyle, Johnathan Rush, Keith W. Kintigh, and Timothy A. Kohler
2016 Exploration and Exploitation in the Macrohistory of the Pre-Hispanic Pueblo Southwest. *Science Advances*, 2(4).

Briggs, Garret
2017 A Contextual Analysis of Wood-Use Behavior at Wupatki Pueblo. Unpublished Masters thesis, Department of Anthropology, Northern Arizona University, Flagstaff.

Christenson, Andrew L.
1994 A Test of Mean Ceramic Dating Using Well-Dated Kayenta Anasazi Sites. *Kiva*, 59(3):297-317.

Colton, Harold Sellers
1936 The Rise and Fall of the Prehistoric Population of Northern Arizona. *Science* 84(2181):337-343
1942 Archaeology and the Reconstruction of History. *American Antiquity*. 8(1):33-40.
1946 *The Sinagua: A Summary of the Archaeology of the Region of Flagstaff, Arizona*. Northern Arizona Society of Science & Art: Flagstaff, Arizona.
1960 *Black sand: prehistory in northern Arizona*. Albuquerque: University of New Mexico Press, Albuquerque.

Cordell, Linda S.
1983 Reviewed Work: *Time, Space, and Transition in Anasazi Prehistory*, by Michael S. Berry. *Journal of Anthropological Research*, 39(1).

Cordell, Linda S. and Fred Plog
1979 Escaping the Confines of Normative Thought: A Reevaluation of Puebloan Prehistory. *American Antiquity*, 44(3):405-429.

Dean, Jeffrey S.
1978 Independent Dating in Archaeological Analysis. *Advances in Archaeological Method and Theory*, 1:223-255.
1985 Reviewed Work: *Time, Space, and Transition in Anasazi Prehistory*, by Michael S. Berry. *American Antiquity*, 50(3).
1999 Correspondence with Mark Elson, relating to analysis of tree-ring samples from right of way of U.S. Highway 89. Submitted to Desert Archaeology, Inc. A-1395.

Downum, Christian E.
1988 *"One Grand History": A Critical Review of Flagstaff Archaeology, 1851 to 1988*. Ph.D. dissertation, Department of Anthropology, University of Arizona, Tucson, Arizona.
2002 Mean Ceramics Dates from the Flagstaff, Arizona Region.

Eldredge, Niles and Stephen J. Gould
1972 Punctuated Equilibria: And Alternative to Phyletic Gradualism, in *Models in Paleobiology*, edited by Thomas J.M. Schopf, pp. 82-115. Freeman, Cooper and Company, San Francisco.

Elson, Mark D., Michael H. Ort, S. Jerome Hesse, and Wendell A. Duffield
2002 Lava, Corn, and Ritual in the Northern Southwest. *American Antiquity* 67(1):119-135.

Elson, Mark D. and Ort, Michael H.
2012 Fire in the sky: The eruption of Sunset Crater Volcano, in *Hisat'sinom: Ancient peoples in a land without water*, edited by Christian E. Downum, pp. 26-33. School for Advanced Research, Santa Fe.

Elson, Mark D., Michael H. Ort, Paul R. Sheppard, Terry Samples, Kirk C. Anderson, Elizabeth M. May
2014 A.D. 1064 No More? Re-Dating the Eruption of Sunset Crater Volcano, Northern Arizona.

Euler, Robert C., George J. Gumerman, Thor N. V. Karlstrom, Jeffrey S. Dean, and Richard H. Hevly
1979 The Colorado Plateaus: Cultural Dynamics and Paleoenvironment. *Science*, 205(4411).

Fewkes, Jesse W.
1900 Pueblo Ruins Near Flagstaff, Arizona. A Preliminary Notice. *American Anthropologist* 2(3):422-450.

Garcia, Daniel
2004 Prehistoric Ceramic Boundaries in Flagstaff Region of Northern Arizona. Master's thesis, Department of Anthropology, Northern Arizona University, Flagstaff.

Glowacka, Maria, Dorothy Washburn, and Justin Richland
2009 Nuveatukya'ovi, San Francisco Peaks: Balancing Western Economies with Native American Spiritualities. *Current Anthropology* 50(4):547-561

Irwin-Williams, Cynthia
1985 Reviewed Work: *Time, Space, and Transition in Anasazi Prehistory*, by Michael S. Berry. *Kiva*, 51(1).

Kidder, A. V.
1927 Southwestern Archaeological Conference. *Science*, 66(1716).

LaMotta, Vincent, and Michael B. Schiffer
2001 Behavioral Archaeology: Toward a New Synthesis. In *Archaeological Theory Today*, edited by I. Hodder, pp. 14-64. Polity Press, Cambridge.

Ort, Michael H., Mark D. Elson, Kirk C. Anderson, Wendell A. Duffield, Terry L. Samples
2008 Variable effects of cinder-cone eruptions on prehistoric agrarian human populations in the American southwest. *Journal of Volcanology and Geothermal Research* 176(3):363-376.

Pilles, Peter J.
1976 Sinagua and Salado Similarities as Seen from the Verde Valley. *Kina*, 42(1):113-124.

Powell, Shirley
2016 Pueblo Dispersion. In *Prehistoric culture change on the Colorado Plateau: Ten thousand years on Black Mesa,* edited by Shirley Powell and Francis E. Smiley. University of Arizona Press, Tucson.

Reid, J.J., M.B. Schiffer, and W.L. Rathje
1975 Behavioral Archaeology: Four Strategies. *American Anthropologist* 77:864-879.

Robinson, William J., Bruce G. Harrill, and Richard L. Warren
1975 *Tree-Ring Dates from H-I Flagstaff Area.* Laboratory of Tree-Ring Research, University of Arizona, Tucson.

Schiffer, Michael B.
1983 Toward the Identification of Formation Processes. *American Antiquity* 48(4):675-706.

Smiley, Terah L.
1958 The geology and dating of Sunset Crater, Flagstaff, Arizona." *Guidebook of the Black Mesa basin, northeastern Arizona* 186-190.

Smiley, Francis E. and Richard V. N. Ahlstrom
1998 *Archaeological chronometry: radiocarbon and tree--ring models and applications from Black Mesa, Arizona*. No. 16. Southern Illinois University.

Sullivan, Alan P. and Christian E. Downum
1991 Aridity, Activity, and Volcanic Ash Agriculture: A study of Short-Term Prehistoric Cultural-Ecological Dynamics. *World Archaeology* 22(3):271-287.

Towner, Ronald
2002 Archaeological Dendrochronology in the Southwestern United States. *Evolutionary Anthropology* 11(2):68-84.

Upham, Steadman
1984 Adaptive Diversity and Southwestern Abandonment. *Journal of Anthropological Research*, 40(2).

Vlasich, James A.
1984 Reviewed Work: *Time, Space, and Transition in Anasazi Prehistory*, by Michael S. Berry. *Western Historical Quarterly*, 15(2).

APPENDIX I. TREE-RING DATES FROM ARIZONA QUADRANGLE H, I, AND O

Sample Number	Site Number	Site Name	Pith	Inside	Outside	Condition
VER-110	AR030401342	West Clear Creek Cliff Dwelling	p	1282	1323	v
VER-82	AR030401342	West Clear Creek Cliff Dwelling	p	1275	1321	v
VER-84	AR030401342	West Clear Creek Cliff Dwelling	p	1260	1320	v
VER-86	AR030401342	West Clear Creek Cliff Dwelling	p	1245	1321	v
VER-74	AR0304021403	No Site Name	N/A	725	755	vv
VER-75	AR0304021403	No Site Name	N/A	769	807	vv
VER-77	AR0304021403	No Site Name	N/A	786	813	vv
VER-73	AR0304021403	No Site Name	N/A	797	838	vv
VER-78	AR0304021403	No Site Name	N/A	793	838	vv
VER-165	AR0304021403	No Site Name	N/A	790	864	vv
VER-79	AR0304021403	No Site Name	p	768	815	vv
VER-80	AR0304021403	No Site Name	p	767	836	vv
VER-158	AR030406134	No Site Name	N/A	1045	1093	+vv
VER-156	AR030406134	No Site Name	p	1239	1302	vv
FLX-6	AR0312041066	Payson Flex Group	N/A	1130	1225	++vv
FLX-26	AR0312041067	Payson Flex Group	N/A	1109	1240	++vv
FLX-14	AR0312041067	Payson Flex Group	N/A	1152	1279	++vv
FLX-27	AR0312041067	Payson Flex Group	N/A	1152	1280	++vv
FLX-8	AR0312041067	Payson Flex Group	N/A	1081	1186	vv
ADT-20	AZ I:1:17(ASM)	No Site Name	+-p	847	1049	r
ADT-71	AZ I:1:17(ASM)	No Site Name	+-p	956	1058	rB
ADT-9	AZ I:1:17(ASM)	No Site Name	+-p	761	1020	vv
ADT-83	AZ I:1:17(ASM)	No Site Name	+-p	886	1058	r

ADT-6	AZ I:1:17(ASM)	No Site Name	+-p	900	1061	r
ADT-136	AZ I:1:17(ASM)	No Site Name	+-p	923	1037	vv
ADT-131	AZ I:1:17(ASM)	No Site Name	+-p	960	1054	r
ADT-64	AZ I:1:17(ASM)	No Site Name	N/A	876	1047	+vv
ADT-152	AZ I:1:17(ASM)	No Site Name	N/A	820	1005	++vv
ADT-41	AZ I:1:17(ASM)	No Site Name	N/A	949	1056	r
ADT-153	AZ I:1:17(ASM)	No Site Name	N/A	971	1056	+r
ADT-48	AZ I:1:17(ASM)	No Site Name	N/A	996	1059	v
ADT-110	AZ I:1:17(ASM)	No Site Name	N/A	888	984	+vv
ADT-160	AZ I:1:17(ASM)	No Site Name	N/A	995	1054	vv
ADT-164	AZ I:1:17(ASM)	No Site Name	N/A	1014	1056	vv
ADT-172	AZ I:1:17(ASM)	No Site Name	N/A	864	992	vv
ADT-149	AZ I:1:17(ASM)	No Site Name	N/A	956	1013	vv
ADT-150	AZ I:1:17(ASM)	No Site Name	N/A	957	1046	vv
ADT-142	AZ I:1:17(ASM)	No Site Name	N/A	934	1052	vv
ADT-128	AZ I:1:17(ASM)	No Site Name	N/A	934	1049	vv
ADT-93	AZ I:1:17(ASM)	No Site Name	N/A	1000	1049	vv
ADT-55	AZ I:1:17(ASM)	No Site Name	np	960	1058	rB
ADT-174	AZ I:1:17(ASM)	No Site Name	np	967	1056	r
ADT-137,145	AZ I:1:17(ASM)	No Site Name	np	923	1047	+vv
ADT-90	AZ I:1:17(ASM)	No Site Name	np	888	1040	vv
ADT-40	AZ I:1:17(ASM)	No Site Name	np	944	1057	vv
ADT-106	AZ I:1:17(ASM)	No Site Name	np	944	1044	+vv
ADT-173	AZ I:1:17(ASM)	No Site Name	np	990	1054	vv
ADT-141	AZ I:1:17(ASM)	No Site Name	np	939	1018	vv

ADT-176	AZ I:1:17(ASM)	No Site Name	np	970	1055	vv
ADT-129	AZ I:1:17(ASM)	No Site Name	np	944	1055	vv
ADT-100	AZ I:1:17(ASM)	No Site Name	p	882	1041	+vv
ADT-133	AZ I:1:17(ASM)	No Site Name	p	878	1057	r
ADT-78	AZ I:1:17(ASM)	No Site Name	p	987	1055	rB
ADT-8	AZ I:1:17(ASM)	No Site Name	p	944	1057	+r
ADT-18	AZ I:1:17(ASM)	No Site Name	p	884	1044	vv
ADT-17	AZ I:1:17(ASM)	No Site Name	p	837	1055	vv
ADT-14	AZ I:1:17(ASM)	No Site Name	p	931	1057	vv
ADT-15	AZ I:1:17(ASM)	No Site Name	p	866	1063	vv
ADT-11	AZ I:1:17(ASM)	No Site Name	p	962	1057	v
ADT-12	AZ I:1:17(ASM)	No Site Name	p	953	1062	r
ADT-10	AZ I:1:17(ASM)	No Site Name	p	897	1063	v
ADT-38	AZ I:1:17(ASM)	No Site Name	p	914	1061	vv
ADT-30	AZ I:1:17(ASM)	No Site Name	p	986	1061	vv
ADT-99	AZ I:1:17(ASM)	No Site Name	p	945	1031	+vv
ADT-35	AZ I:1:17(ASM)	No Site Name	p	941	1057	vv
ADT-5	AZ I:1:17(ASM)	No Site Name	p	911	1030	+vv
ADT-21	AZ I:1:17(ASM)	No Site Name	p	928	1058	v
ADT-33	AZ I:1:17(ASM)	No Site Name	p	1021	1061	rB
ADT-3	AZ I:1:17(ASM)	No Site Name	p	940	1063	r
ADT-16	AZ I:1:17(ASM)	No Site Name	p	950	1064	B
ADT-101	AZ I:1:17(ASM)	No Site Name	p	949	1020	+vv
ADT-111	AZ I:1:17(ASM)	No Site Name	p	923	999	vv
ADT-112	AZ I:1:17(ASM)	No Site Name	p	917	1037	+vv

ADT-96	AZ I:1:17(ASM)	No Site Name	p	945	1059	r
ADT-95	AZ I:1:17(ASM)	No Site Name	p	993	1061	r
ADT-155	AZ I:1:17(ASM)	No Site Name	p	768	1001	++vv
ADT-147	AZ I:1:17(ASM)	No Site Name	p	928	1006	vv
ADT-146	AZ I:1:17(ASM)	No Site Name	p	950	1040	vv
ADT-77	AZ I:1:17(ASM)	No Site Name	p	759	1048	vv
ADT-75	AZ I:1:17(ASM)	No Site Name	p	863	1055	v
ADT-151	AZ I:1:17(ASM)	No Site Name	p	954	1059	+v
ADT-134	AZ I:1:17(ASM)	No Site Name	p	836	918	vv
ADT-76	AZ I:1:17(ASM)	No Site Name	p	858	988	vv
ADT-157	AZ I:1:17(ASM)	No Site Name	p	947	998	vv
ADT-158	AZ I:1:17(ASM)	No Site Name	p	941	1007	vv
ADT-54	AZ I:1:17(ASM)	No Site Name	p	805	1013	vv
ADT-66	AZ I:1:17(ASM)	No Site Name	p	939	1056	r
ADT-144	AZ I:1:17(ASM)	No Site Name	p	1003	1058	r
ADT-166	AZ I:1:17(ASM)	No Site Name	p	1012	1058	v
ADT-53	AZ I:1:17(ASM)	No Site Name	p	994	1058	r
ADT-72	AZ I:1:17(ASM)	No Site Name	p	887	1057	r
ADT-159	AZ I:1:17(ASM)	No Site Name	p	945	1025	vv
ADT-177	AZ I:1:17(ASM)	No Site Name	p	950	1038	vv
ADT-139	AZ I:1:17(ASM)	No Site Name	p	880	1046	+vv
ADT-132	AZ I:1:17(ASM)	No Site Name	p	862	1052	vv
ADT-135	AZ I:1:17(ASM)	No Site Name	p	915	1052	vv
ADT-74	AZ I:1:17(ASM)	No Site Name	p	887	1057	r
ADT-154	AZ I:1:17(ASM)	No Site Name	p	941	1029	vv

ADT-47	AZ I:1:17(ASM)	No Site Name	p	911	1003	+vv
ADT-60	AZ I:1:17(ASM)	No Site Name	p	936	1026	vv
ADT-61	AZ I:1:17(ASM)	No Site Name	p	898	1047	vv
ADT-43	AZ I:1:17(ASM)	No Site Name	p	897	1056	r
ADT-57	AZ I:1:17(ASM)	No Site Name	p	959	1058	r
ADT-65	AZ I:1:17(ASM)	No Site Name	p	924	1058	r
ADT-25	AZ I:1:17(ASM)	No Site Name	p	771	960	++vv
ADT-24	AZ I:1:17(ASM)	No Site Name	p	836	1005	+vv
ADT-23	AZ I:1:17(ASM)	No Site Name	p	901	1055	vv
ADT-42	AZ I:1:17(ASM)	No Site Name	p	839	956	vv
ADT-63	AZ I:1:17(ASM)	No Site Name	p	892	1056	r
ADT-117	AZ I:1:17(ASM)	No Site Name	p	932	1047	vv
ADT-81,82	AZ I:1:17(ASM)	No Site Name	p	896	1056	r
ADT-50	AZ I:1:17(ASM)	No Site Name	p	812	988	++B
ADT-27	AZ I:1:17(ASM)	No Site Name	p	937	1056	vv
ADT-109	AZ I:1:17(ASM)	No Site Name	p	959	1056	vv
ADT-165	AZ I:1:17(ASM)	No Site Name	p	1015	1058	vv
ADT-169	AZ I:1:17(ASM)	No Site Name	p	989	1056	vv
ADT-31	AZ I:1:17(ASM)	No Site Name	p	870	1016	++B
GRA-5a,b	AZ I:1:21(ASM)	No Site Name	+-p	903	985	vv
GRA-4	AZ I:1:21(ASM)	No Site Name	p	926	1005	+vv
CHP-96	AZ O:4:1 (ASU)	Chavez Pass Pueblo	+-p	1232	1307	+vv
CHP-98	AZ O:4:1 (ASU)	Chavez Pass Pueblo	N/A	1129	1241	vv
CHP-90	AZ O:4:1 (ASU)	Chavez Pass Pueblo	N/A	1161	1288	vv
CHP-122	AZ O:4:1 (ASU)	Chavez Pass	N/A	1167	1219	vv

CHP-119	AZ O:4:1 (ASU)	Chavez Pass	N/A	1223	1287	++v
CHP-120	AZ O:4:1 (ASU)	Chavez Pass	N/A	1242	1303	vv
CHP-121	AZ O:4:1 (ASU)	Chavez Pass	N/A	1277	1327	v
CHP-91	AZ O:4:1 (ASU)	Chavez Pass Pueblo	N/A	1268	1325	+r
CHP-80	AZ O:4:1 (ASU)	Chavez Pass Pueblo	fp	1310	1371	vv
CHP-87	AZ O:4:1 (ASU)	Chavez Pass Pueblo	fp	1188	1245	vv
CHP-61	AZ O:4:1 (ASU)	Chavez Pass Pueblo	p	1109	1299	++vv
CHP-114	AZ O:4:2 (ASU)	Chavez Pass	p	1201	1304	v
CHP-103	AZ O:4:3 (ASU)	Chavez Pass	+-p	1158	1264	r
CHP-100	AZ O:4:3 (ASU)	Chavez Pass	p	1142	1254	+vv
CHP-102	AZ O:4:3 (ASU)	Chavez Pass	p	1193	1264	r
CHP-104	AZ O:4:3 (ASU)	Chavez Pass	p	1147	1264	v
CHP-105	AZ O:4:3 (ASU)	Chavez Pass	p	1151	1264	v
CHP-99	AZ O:4:3 (ASU)	Chavez Pass	p	1165	1264	r
CHP-101	AZ O:4:3 (ASU)	Chavez Pass	p	1137	1264	rB
CHP-101	AZ O:4:3 (ASU)	Chavez Pass	p	1146	1259	+rB
CHP-106	AZ O:4:3 (ASU)	Chavez Pass	p	1127	1259	+r
CHP-109	AZ O:4:5 (ASU)	Chavez Pass	p	1201	1285	+r
CHP-110	AZ O:4:5 (ASU)	Chavez Pass	p	1203	1281	v
CHP-111	AZ O:4:5 (ASU)	Chavez Pass	p	1233	1288	+r
ADT-219	MU 125	No Site Name	+-	799	1068	++vv
ADT-206	MU 125	No Site Name	+-p	884	987	+vv
ADT-205	MU 125	No Site Name	+-p	830	1049	++B
ADT-221	MU 125	No Site Name	+-p	878	1048	++vv
ADT-214	MU 125	No Site Name	+-p	961	1066	v
ADT-220	MU 125	No Site Name	+-p	937	1068	+rGB
ADT-210	MU 125	No Site Name	+-p	951	1071	+v
ADT-204	MU 125	No Site Name	N/A	776	1022	vv

ADT-201	MU 125	No Site Name	N/A	971	1070	+G
ADT-215	MU 125	No Site Name	N/A	925	1046	vv
ADT-218	MU 125	No Site Name	N/A	987	1078	r
ADT-197	MU 125	No Site Name	p	879	1045	vv
ADT-202	MU 125	No Site Name	p	972	1047	vv
ADT-195	MU 125	No Site Name	p	953	1065	v
ADT-203	MU 125	No Site Name	p	972	1080	r
ADT-209	MU 125	No Site Name	p	892	1065	++vv
ADT-211	MU 125	No Site Name	p	1003	1077	vv
ADT-212	MU 125	No Site Name	p	941	1080	r
ADT-223	MU 125	No Site Name	p	922	1080	rG
FLG-125-1	NA 10779B	No Site Name	+-p	901	1069	vv
FLG-125-4	NA 10779B	No Site Name	fp	1005	1076	vv
FLG-119	NA 10779B	No Site Name	p	1052	1106	vv
FLG-118	NA 10779B	No Site Name	p	1051	1107	++vv
FLG-105	NA 10779B	No Site Name	p	1030	1141	v
F-1502	NA 1121	No Site Name	N/A	727	805	vv
F-1503	NA 1121	No Site Name	fp	806	898	vv
APS-32	NA 11237	No Site Name	+-p	970	1078	vv
APS-30	NA 11237	No Site Name	+-p	962	1098	vv
APS-46	NA 11237	No Site Name	+-p	930	1112	vv
APS-19	NA 11237	No Site Name	p	993	1065	vv
APS-20	NA 11237	No Site Name	p	1024	1081	vv
APS-22	NA 11237	No Site Name	p	1012	1084	vv
APS-15	NA 11237	No Site Name	p	1003	1090	vv
APS-16	NA 11237	No Site Name	p	1036	1094	vv
APS-17	NA 11237	No Site Name	p	985	1101	vv
APS-14	NA 11237	No Site Name	p	1025	1111	v
APS-48	NA 11237	No Site Name	p	958	1056	vv
APS-63	NA 11237	No Site Name	p	961	1056	vv
APS-51	NA 11237	No Site Name	p	989	1059	vv
APS-55	NA 11237	No Site Name	p	949	1061	vv
APS-37	NA 11237	No Site Name	p	965	1062	vv
APS-38	NA 11237	No Site Name	p	974	1065	+vv
APS-58	NA 11237	No Site Name	p	959	1068	vv
APS-69a-e	NA 11237	No Site Name	p	888	1074	+vv
APS-62	NA 11237	No Site Name	p	1008	1079	vv
APS-39	NA 11237	No Site Name	p	934	1080	vv
APS-36	NA 11237	No Site Name	p	1036	1081	vv

APS-23	NA 11237	No Site Name	p	1004	1086	vv
APS-47	NA 11237	No Site Name	p	990	1086	vv
APS-57	NA 11237	No Site Name	p	967	1086	vv
APS-65	NA 11237	No Site Name	p	859	1086	vv
APS-26	NA 11237	No Site Name	p	1004	1087	vv
APS-59	NA 11237	No Site Name	p	960	1092	vv
APS-43	NA 11237	No Site Name	p	1059	1100	vv
APS-33	NA 11237	No Site Name	p	927	1102	vv
APS-52	NA 11237	No Site Name	p	995	1102	vv
APS-25	NA 11237	No Site Name	p	1020	1103	vv
APS-40	NA 11237	No Site Name	p	911	1105	+vv
APS-31	NA 11237	No Site Name	p	1050	1106	vv
APS-41	NA 11237	No Site Name	p	1016	1111	+vv
APS-35	NA 11237	No Site Name	p	1032	1113	vv
APS-54a-d	NA 11237	No Site Name	p	1054	1115	vv
APS-24	NA 11237	No Site Name	p	1031	1116	vv
APS-73a-d	NA 11237	No Site Name	p	1003	1117	vv
APS-42	NA 11237	No Site Name	p	989	1118	vv
APS-50	NA 11237	No Site Name	p	966	1122	vv
APS-53	NA 11237	No Site Name	p	1064	1118	v
APS-64	NA 11237	No Site Name	p	1017	1119	v
APS-61	NA 11237	No Site Name	p	1051	1120	r
APS-27	NA 11237	No Site Name	p	1087	1123	B
APS-28	NA 11237	No Site Name	p	1091	1123	r
APS-44	NA 11237	No Site Name	p	991	1125	r
APS-70	NA 11237	No Site Name	p	1077	1128	r
APS-71a, b	NA 11237	No Site Name	p	1088	1128	r
APS-72	NA 11237	No Site Name	p	1080	1128	r
APS-76a-d	NA 11237	No Site Name	p	969	1077	vv
F-31	NA 1138	No Site Name	p	1158	1256	+r
F-4167	NA 1139	Wilson Pueblo	fp	1145	1178	vv
F-4168	NA 1139	Wilson Pueblo	fp	1145	1178	vv
F-4170	NA 1139	Wilson Pueblo	fp	1148	1178	rL
F-2945	NA 1139	Wilson Pueblo	p	1180	1276	vv
F-2480	NA 117S	Turkey Tank Caves	N/A	1032	1194	vv
F-2476	NA 117V	Turkey Tank Caves	fp	1107	1276	v
F-4160	NA 1238	No Site Name	fp	866	904	vv
F-591	NA 1238	No Site Name	fp	874	955	vv
F-476	NA 1238	No Site Name	fp	915	966	vv

F-537	NA 1238	No Site Name	fp	938	987	vv
F-506	NA 1238	No Site Name	fp	986	1012	vv
F-477	NA 1238	No Site Name	fp	928	1020	vv
F-664	NA 1238	No Site Name	fp	983	1046	v
F-493	NA 1238	No Site Name	fp	1024	1066	r
F-389	NA 1238	No Site Name	fp	876	911	vv
F-527	NA 1238	No Site Name	fp	869	915	vv
F-433	NA 1238	No Site Name	fp	817	931	vv
F-363	NA 1238	No Site Name	fp	1015	1055	vv
F-424	NA 1238	No Site Name	fp	1020	1066	B
F-349	NA 1238	No Site Name	fp	966	1062	+r
F-567	NA 1238	No Site Name	p	805	927	vv
F-508	NA 1238	No Site Name	p	945	985	vv
F-496	NA 1238	No Site Name	p	955	995	vv
F-694	NA 1238	No Site Name	p	959	1043	vv
DNP-2	NA 1238	No Site Name	p	997	1065	vv
DNP-1	NA 1238	No Site Name	p	985	1064	r
F-697	NA 1238	No Site Name	p	1000	1065	rB
F-650	NA 1238	No Site Name	p	954	1062	+v
F-460	NA 1238	No Site Name	p	957	1051	vv
F-348	NA 1238	No Site Name	p	959	1000	vv
F-343	NA 1238	No Site Name	p	959	1017	vv
F-353	NA 1238	No Site Name	p	1009	1040	vv
F-432	NA 1238	No Site Name	p	1020	1047	vv
F-423	NA 1238	No Site Name	p	1007	1065	vv
F-359	NA 1238	No Site Name	p	965	1061	B
F-355	NA 1238	No Site Name	p	977	1066	rGB
F-426	NA 1238	No Site Name	p	1007	1066	rB
F-414	NA 1238	No Site Name	p	1010	1068	rB
F-1763	NA 1244B	No Site Name	fp	955	993	vv
F-1757	NA 1244B	No Site Name	p	1026	1094	rB
F-1725	NA 1244B	No Site Name	p	943	1011	vv
V-121	NA 1251	Palatki	N/A	1202	1253	vv
V-64	NA 1255	Honanki	p	888	983	vv
F-61	NA 1255	Honanki	p	1197	1271	rB
F-2406	NA 1295A	Jack Smith Alcove Houses	fp	759	807	vv
F-2390	NA 1295A	Jack Smith Alcove Houses	p	580	673	vv
F-1030	NA 1296	Crater 35 Group	p	1014	1049	r
EP-5	NA 142	Elden Pueblo	N/A	795	945	++vv
F-3100	NA 1531	Elden Pithouse	N/A	933	958	vv
F-3101	NA 1531	Elden Pithouse	N/A	935	958	vv

F-3072	NA 1531	Elden Pithouse	N/A	924	959	vv
F-3085	NA 1531	Elden Pithouse	N/A	937	963	vv
F-3094	NA 1531	Elden Pithouse	fp	939	963	v
F-2623	NA 1531	Elden Pithouse	fp	633	708	vv
F-2637	NA 1531	Elden Pithouse	p	942	960	vv
F-3064	NA 1531	Elden Pithouse	p	928	962	vv
F-3076	NA 1531	Elden Pithouse	p	930	959	vv
F-3073	NA 1531	Elden Pithouse	p	929	962	vv
F-3081	NA 1531	Elden Pithouse	p	941	964	vv
F-2629	NA 1531	Elden Pithouse	p	928	960	vv
F-2625	NA 1531	Elden Pithouse	p	930	961	vv
F-2621	NA 1531	Elden Pithouse	p	927	964	vv
F-3061	NA 1531	Elden Pithouse	p	898	964	r
F-3087	NA 1531	Elden Pithouse	p	926	959	v
F-3093	NA 1531	Elden Pithouse	p	926	962	v
F-3088	NA 1531	Elden Pithouse	p	932	963	v
F-2636	NA 1531	Elden Pithouse	p	933	964	v
F-2613	NA 1531	Elden Pithouse	p	773	848	vv
F-2612	NA 1531	Elden Pithouse	p	772	837	vv
F-2446	NA 1570	No Site Name	fp	1010	1046	vv
F-2435	NA 1570	No Site Name	fp	1001	1041	vv
F-841	NA 1625B	No Site Name	fp	947	982	+vv
F-734	NA 1625B	No Site Name	fp	947	1000	vv
F-1526	NA 1625B	No Site Name	fp	996	1031	vv
F-1615	NA 1625B	No Site Name	fp	859	1045	vv
F-732	NA 1625B	No Site Name	p	717	788	vv
F-808	NA 1625C	No Site Name	N/A	1009	1092	r
F-810	NA 1625C	No Site Name	fp	1060	1092	vv
F-1100	NA 1625C	No Site Name	fp	1044	1093	v
F-798	NA 1625C	No Site Name	fp	1060	1092	vv
F-1344	NA 1625C	No Site Name	fp	771	811	vv
F-1335	NA 1625C	No Site Name	fp	820	872	vv
F-865	NA 1625C	No Site Name	fp	870	913	vv
F-844	NA 1625C	No Site Name	fp	887	941	vv
F-1343	NA 1625C	No Site Name	fp	731	947	vv
F-1125	NA 1625C	No Site Name	fp	933	959	vv
F-1162	NA 1625C	No Site Name	fp	932	962	vv
F-817	NA 1625C	No Site Name	fp	923	997	vv
F-1263	NA 1625C	No Site Name	fp	1016	1084	vv
F-1453	NA 1625C	No Site Name	fp	972	1070	r
F-1118	NA 1625C	No Site Name	p	1045	1076	vv

F-1159	NA 1625C	No Site Name	p	1044	1078	vv
F-813	NA 1625C	No Site Name	p	1025	1091	vv
F-1108	NA 1625C	No Site Name	p	1032	1092	r
F-1137	NA 1625C	No Site Name	p	1052	1086	vv
F-854	NA 1625C	No Site Name	p	1034	1092	v
F-1371	NA 1625C	No Site Name	p	1008	1093	r
F-1379	NA 1625C	No Site Name	p	1040	1093	r
F-1388	NA 1625C	No Site Name	p	1056	1093	v
F-1355	NA 1625C	No Site Name	p	715	800	vv
F-1417	NA 1625C	No Site Name	p	816	893	vv
F-791	NA 1625C	No Site Name	p	871	966	vv
F-792	NA 1625C	No Site Name	p	868	973	vv
F-1430	NA 1625C	No Site Name	p	1034	1072	vv
F-797	NA 1625C	No Site Name	p	1040	1072	vv
F-1440	NA 1625C	No Site Name	p	1033	1092	vv
KNK-15	NA 1629	Kinnikinnick Pueblo	N/A	1065	1128	vv
KNK-16	NA 1629	Kinnikinnick Pueblo	N/A	1055	1130	vv
KNK-11	NA 1629	Kinnikinnick Pueblo	N/A	1262	1310	vv
KNK-14	NA 1629	Kinnikinnick Pueblo	N/A	1249	1313	+r
F-4940	NA 1629	Kinnikinnick Pueblo	N/A	1123	1297	vv
F-4924	NA 1629	Kinnikinnick Pueblo	N/A	1241	1301	vv
KNK-2	NA 1629	Kinnikinnick Pueblo	N/A	1243	1270	r
F-5038	NA 1629	Kinnikinnick Pueblo	N/A	1162	1205	vv
F-5143	NA 1629	Kinnikinnick Pueblo	N/A	1247	1275	vv
F-5076	NA 1629	Kinnikinnick Pueblo	N/A	1244	1279	vv
F-5155	NA 1629	Kinnikinnick Pueblo	N/A	1244	1291	vv
F-5095	NA 1629	Kinnikinnick Pueblo	N/A	1222	1296	vv
F-5124	NA 1629	Kinnikinnick Pueblo	N/A	1257	1303	vv
F-5140	NA 1629	Kinnikinnick Pueblo	N/A	1251	1303	vv
F-5165	NA 1629	Kinnikinnick Pueblo	N/A	1235	1285	r
F-5247	NA 1629	Kinnikinnick Pueblo	N/A	1242	1287	v
F-5145	NA 1629	Kinnikinnick Pueblo	N/A	1245	1290	r
F-5210	NA 1629	Kinnikinnick Pueblo	N/A	1247	1290	r
F-5163	NA 1629	Kinnikinnick Pueblo	N/A	1255	1293	r
F-4919	NA 1629	Kinnikinnick Pueblo	N/A	1241	1304	r
F-4975	NA 1629	Kinnikinnick Pueblo	N/A	1242	1308	r
F-5083	NA 1629	Kinnikinnick Pueblo	N/A	1258	1308	r
F-5149	NA 1629	Kinnikinnick Pueblo	N/A	1235	1308	r
F-5167	NA 1629	Kinnikinnick Pueblo	N/A	1261	1310	rB
KNK-3	NA 1629	Kinnikinnick Pueblo	fp	1253	1279	vv
KNK-7	NA 1629	Kinnikinnick Pueblo	fp	1257	1284	vv

KNK-4B	NA 1629	Kinnikinnick Pueblo	fp	1275	1312	vv
KNK-6	NA 1629	Kinnikinnick Pueblo	fp	1264	1294	v
F-5156	NA 1629	Kinnikinnick Pueblo	fp	1082	1129	vv
F-5127	NA 1629	Kinnikinnick Pueblo	fp	1136	1181	vv
F-4968	NA 1629	Kinnikinnick Pueblo	fp	1150	1242	vv
F-5147	NA 1629	Kinnikinnick Pueblo	fp	1212	1257	vv
F-4915	NA 1629	Kinnikinnick Pueblo	fp	1141	1270	vv
F-5251	NA 1629	Kinnikinnick Pueblo	fp	1146	1244	vv
KNK-1	NA 1629	Kinnikinnick Pueblo	fp	1249	1293	r
F-4889	NA 1629	Kinnikinnick Pueblo	fp	997	1167	vv
F-4900	NA 1629	Kinnikinnick Pueblo	fp	1055	1095	vv
F-4888	NA 1629	Kinnikinnick Pueblo	fp	1249	1311	vv
F-5161	NA 1629	Kinnikinnick Pueblo	fp	1310	1374	vv
VER-166	NA 1629	Kinnikinnick Pueblo	p	1238	1296	+v
KNK-13	NA 1629	Kinnikinnick Pueblo	p	1244	1312	+r
F-4998	NA 1629	Kinnikinnick Pueblo	p	1230	1306	r
F-5100	NA 1629	Kinnikinnick Pueblo	p	1231	1290	r
F-4982	NA 1629	Kinnikinnick Pueblo	p	1272	1304	r
F-4910	NA 1629	Kinnikinnick Pueblo	p	1264	1310	r
F-5029	NA 1629	Kinnikinnick Pueblo	p	1260	1310	r
F-5014	NA 1629	Kinnikinnick Pueblo	p	1253	1295	r
F-4988	NA 1629	Kinnikinnick Pueblo	p	1230	1300	+r
F-5162	NA 1629	Kinnikinnick Pueblo	p	1271	1301	r
F-4976	NA 1629	Kinnikinnick Pueblo	p	1234	1273	vv
F-4951	NA 1629	Kinnikinnick Pueblo	p	1176	1238	r
F-4950	NA 1629	Kinnikinnick Pueblo	p	1147	1257	r
F-5093	NA 1629	Kinnikinnick Pueblo	p	1241	1285	v
F-4952	NA 1629	Kinnikinnick Pueblo	p	1223	1296	r
F-4948	NA 1629	Kinnikinnick Pueblo	p	1050	1115	vv
F-5185	NA 1629	Kinnikinnick Pueblo	p	1225	1254	vv
F-5187	NA 1629	Kinnikinnick Pueblo	p	1246	1279	vv
F-5253	NA 1629	Kinnikinnick Pueblo	p	1236	1280	vv
F-5195	NA 1629	Kinnikinnick Pueblo	p	1230	1284	vv
F-5220	NA 1629	Kinnikinnick Pueblo	p	1230	1287	vv
F-5106	NA 1629	Kinnikinnick Pueblo	p	1271	1303	vv
F-4978	NA 1629	Kinnikinnick Pueblo	p	1206	1255	r
F-5077	NA 1629	Kinnikinnick Pueblo	p	1243	1270	r
F-4953	NA 1629	Kinnikinnick Pueblo	p	1215	1278	r
F-5250	NA 1629	Kinnikinnick Pueblo	p	1238	1278	r
F-5040	NA 1629	Kinnikinnick Pueblo	p	1233	1284	r
F-4891	NA 1629	Kinnikinnick Pueblo	p	1229	1288	rB

F-4925	NA 1629	Kinnikinnick Pueblo	p	1249	1288	v
F-5182	NA 1629	Kinnikinnick Pueblo	p	1242	1291	v
F-5236	NA 1629	Kinnikinnick Pueblo	p	1239	1304	r
F-5025	NA 1629	Kinnikinnick Pueblo	p	1227	1305	r
F-4895	NA 1629	Kinnikinnick Pueblo	p	1249	1308	r
F-4913	NA 1629	Kinnikinnick Pueblo	p	1236	1308	r
F-4914	NA 1629	Kinnikinnick Pueblo	p	1248	1308	r
F-5026	NA 1629	Kinnikinnick Pueblo	p	1255	1308	r
F-5039	NA 1629	Kinnikinnick Pueblo	p	1234	1308	r
F-5046	NA 1629	Kinnikinnick Pueblo	p	1261	1308	r
F-5235	NA 1629	Kinnikinnick Pueblo	p	1262	1308	r
F-4894	NA 1629	Kinnikinnick Pueblo	p	1197	1310	v
F-4147	NA 1629	Kinnikinnick Pueblo	p	1243	1269	r
F-4957	NA 1629	Kinnikinnick Pueblo	p	1247	1294	r
F-5094	NA 1629	Kinnikinnick Pueblo	p	1243	1294	r
F-4886	NA 1629	Kinnikinnick Pueblo	p	1228	1305	r
F-4898	NA 1629	Kinnikinnick Pueblo	p	1266	1308	r
F-4936	NA 1629	Kinnikinnick Pueblo	p	1254	1308	r
F-903	NA 1680	Medicine Pithouse	+-p	788	889	vv
F-911	NA 1680	Medicine Pithouse	fp	937	1001	vv
F-774	NA 1680	Medicine Pithouse	fp	879	939	vv
F-926	NA 1680	Medicine Pithouse	fp	881	926	v
F-971	NA 1680	Medicine Pithouse	p	956	1030	vv
F-916	NA 1680	Medicine Pithouse	p	784	868	vv
F-892	NA 1680	Medicine Pithouse	p	803	890	vv
F-2324	NA 1754	Heiser Spring Pueblo	p	1055	1096	vv
F-2339	NA 1754	Heiser Spring Pueblo	p	1057	1094	v
F-2275	NA 1754	Heiser Spring Pueblo	p	1009	1095	B
F-2285	NA 1754	Heiser Spring Pueblo	p	1038	1096	r
F-2316	NA 1754	Heiser Spring Pueblo	p	1070	1096	r
F-2245	NA 1754	Heiser Spring Pueblo	p	1037	1094	rB
F-2173	NA 1764A	Metate House	+-p	1135	1204	vv
F-2113-1	NA 1764A	Metate House	fp	1154	1188	vv
F-2174	NA 1764A	Metate House	fp	1162	1198	vv
F-2178-2	NA 1764A	Metate House	p	1139	1173	r
F-2175-1	NA 1764A	Metate House	p	1119	1174	r
F-2177-1	NA 1764A	Metate House	p	1124	1174	r
F-2180-1	NA 1764A	Metate House	p	1128	1174	r
F-2183-1	NA 1764A	Metate House	p	1116	1174	r
F-2176-2	NA 1764A	Metate House	p	1140	1175	rB
F-2179-1	NA 1764A	Metate House	p	1140	1183	v

F-2114	NA 1764A	Metate House	p	1162	1207	v
F-2180-5	NA 1764A	Metate House	p	1136	1170	vv
F-2115	NA 1764A	Metate House	p	1126	1192	vv
F-2195-2	NA 1765	Deadman's Fort	fp	1118	1174	vv
F-2193-4	NA 1765	Deadman's Fort	fp	1117	1174	r
F-2193-7	NA 1765	Deadman's Fort	fp	1127	1174	r
F-2195-3	NA 1765	Deadman's Fort	fp	1130	1172	vv
F-2195-6	NA 1765	Deadman's Fort	fp	1158	1183	vv
F-2193-3	NA 1765	Deadman's Fort	p	1114	1174	v
F-2193-5	NA 1765	Deadman's Fort	p	1151	1182	r
F-4774	NA 1785	Ridge Ruin	N/A	1050	1128	r
F-4845	NA 1785	Ridge Ruin	fp	1044	1111	vv
F-4725	NA 1785	Ridge Ruin	fp	1056	1109	++r
F-4842	NA 1785	Ridge Ruin	fp	1052	1101	++r
F-4783	NA 1785	Ridge Ruin	p	1058	1092	r
F-4824	NA 1785	Ridge Ruin	p	1079	1115	vv
F-4809	NA 1785	Ridge Ruin	p	1075	1116	v
F-4727	NA 1785	Ridge Ruin	p	1070	1150	vv
F-4749	NA 1785	Ridge Ruin	p	1139	1173	vv
F-4754	NA 1785	Ridge Ruin	p	1117	1155	v
F-4790	NA 1785	Ridge Ruin	p	1034	1128	r
F-4829	NA 1785	Ridge Ruin	p	1085	1129	v
F-4808	NA 1785	Ridge Ruin	p	1065	1133	B
F-4731	NA 1785	Ridge Ruin	p	1091	1135	r
F-4770	NA 1785	Ridge Ruin	p	1049	1135	r
F-4730	NA 1785	Ridge Ruin	p	1002	1129	+rB
F-4856	NA 1785	Ridge Ruin	p	1048	1107	++r
F-4757	NA 1785	Ridge Ruin	p	1031	1117	r
F-4810	NA 1785	Ridge Ruin	p	1049	1097	vv
F-4833	NA 1785	Ridge Ruin	p	1070	1103	vv
F-4840	NA 1785	Ridge Ruin	p	1036	1103	++r
F-4844	NA 1785	Ridge Ruin	p	1058	1110	vv
F-4758	NA 1785	Ridge Ruin	p	1041	1112	++r
F-4836	NA 1785	Ridge Ruin	p	1055	1123	vv
F-4739	NA 1785	Ridge Ruin	p	1048	1124	++r
F-4733	NA 1785	Ridge Ruin	p	1048	1116	v
F-4827	NA 1785	Ridge Ruin	p	1043	1101	+r
F-4732	NA 1785	Ridge Ruin	p	1041	1107	+r
F-4814	NA 1785	Ridge Ruin	p	1050	1107	+r
F-4737	NA 1785	Ridge Ruin	p	1046	1116	+r
F-4778	NA 1785	Ridge Ruin	p	1053	1137	++B

FLG-252	NA 17957	Lizard Man Village	N/A	1205	1261	vv
FLG-243	NA 17957	Lizard Man Village	N/A	1049	1118	vv
FLG-248	NA 17957	Lizard Man Village	N/A	967	1062	++vv
FLG-247	NA 17957	Lizard Man Village	N/A	1015	1094	+vv
FLG-249	NA 17957	Lizard Man Village	N/A	1141	1219	r
FLG-250	NA 17957	Lizard Man Village	fp	1195	1247	+v
FLG-255	NA 17957	Lizard Man Village	fp	1091	1200	vv
FLG-244	NA 17957	Lizard Man Village	p	1102	1197	vv
WAP-44	NA 181	No Site Name	+-	970	1055	vv
WAP-59	NA 181	No Site Name	N/A	937	1013	vv
WAP-46	NA 181	No Site Name	N/A	855	909	vv
WAP-49	NA 181	No Site Name	N/A	915	969	+vv
WAP-50	NA 181	No Site Name	N/A	834	926	+vv
WAP-41	NA 181	No Site Name	N/A	745	848	vv
WAP-51	NA 181	No Site Name	p	838	945	vv
F-2106-6	NA 1814	Juniper Terrace Pueblo	p	1058	1103	vv
F-2094	NA 1814	Juniper Terrace Pueblo	p	1053	1128	vv
F-2015	NA 1814C	Juniper Terrace Pueblo	fp	811	927	+vv
F-2211	NA 1814C	Juniper Terrace Pueblo	p	830	942	vv
F-2226	NA 1814C	Juniper Terrace Pueblo	p	819	928	vv
F-2016	NA 1814C	Juniper Terrace Pueblo	p	809	932	vv
F-2106-2	NA 1814C	Juniper Terrace Pueblo	N/A	1062	1129	v
F-2101-2	NA 1814C	Juniper Terrace Pueblo	fp	1102	1129	r
F-2215	NA 1814C	Juniper Terrace Pueblo	p	1104	1129	r
F-2087	NA 1814C	Juniper Terrace Pueblo	p	1070	1129	r
F-2102	NA 1814C	Juniper Terrace Pueblo	p	1061	1129	r
F-2105	NA 1814C	Juniper Terrace Pueblo	p	1081	1129	r
F-2088	NA 1814C	Juniper Terrace Pueblo	p	1080	1129	r
F-2106-3	NA 1814C	Juniper Terrace Pueblo	p	1077	1129	vv
F-2214	NA 1814C	Juniper Terrace Pueblo	p	1042	1128	++r
F-2100	NA 1814C	Juniper Terrace Pueblo	p	1080	1129	r
F-2081	NA 1814C	Juniper Terrace Pueblo	p	1085	1129	r
F-2196-1	NA 1814E	Juniper Terrace Pueblo	fp	1093	1136	vv
F-5472-1	NA 1814E	Juniper Terrace Pueblo	p	1046	1133	+v
F-5469	NA 1814E	Juniper Terrace Pueblo	p	1076	1134	+r
F-2186	NA 1814E	Juniper Terrace Pueblo	p	1049	1132	+r
F-2110	NA 1814E	Juniper Terrace Pueblo	p	1081	1131	vv
F-2112-3	NA 1814E	Juniper Terrace Pueblo	p	1080	1137	r
F-2112-1	NA 1814E	Juniper Terrace Pueblo	p	1112	1138	r
F-2112-2	NA 1814E	Juniper Terrace Pueblo	p	1079	1136	+r
F-2190	NA 1814E	Juniper Terrace Pueblo	p	1087	1136	r

F-5468	NA 1814E	Juniper Terrace Pueblo	p	1074	1137	r
F-5472-2	NA 1814E	Juniper Terrace Pueblo	p	1096	1139	rB
F-2241	NA 1814E	Juniper Terrace Pueblo	p	1085	1135	rB
F-2189	NA 1814E	Juniper Terrace Pueblo	p	1063	1136	+rB
F-2185	NA 1814E	Juniper Terrace Pueblo	p	1103	1139	rB
F-1645-2	NA 1918	Bonito Terrace Group	fp	796	875	vv
F-1219	NA 192	Canyon Road House Ruin	fp	889	921	vv
F-1207	NA 192	Canyon Road House Ruin	fp	1065	1097	vv
F-1172	NA 192	Canyon Road House Ruin	fp	1034	1099	vv
F-1177	NA 192	Canyon Road House Ruin	fp	1043	1109	vv
F-829	NA 192	Canyon Road House Ruin	fp	736	818	vv
F-824	NA 192	Canyon Road House Ruin	fp	816	931	vv
GP-1577	NA 192	Canyon Road House Ruin	fp	909	992	vv
F-783	NA 192	Canyon Road House Ruin	p	1044	1093	B
F-745	NA 192	Canyon Road House Ruin	p	845	925	vv
F-1658	NA 1920B	Bonito Terrace Group	fp	713	760	vv
F-1662	NA 1920B	Bonito Terrace Group	fp	736	775	vv
F-1656	NA 1920B	Bonito Terrace Group	fp	770	816	vv
F-3466	NA 1920B	Bonito Terrace Group	fp	784	855	vv
F-1667	NA 1920B	Bonito Terrace Group	fp	835	873	vv
F-1666	NA 1920B	Bonito Terrace Group	fp	826	874	vv
F-1688	NA 1920B	Bonito Terrace Group	fp	820	873	v
F-1674	NA 1920B	Bonito Terrace Group	p	787	843	+vv
F-1651	NA 1920B	Bonito Terrace Group	p	824	866	v
F-3463	NA 1920B	Bonito Terrace Group	p	799	841	vv
F-3490	NA 1922A	Bonito Terrace Group	fp	734	770	vv
F-3492	NA 1922A	Bonito Terrace Group	fp	810	845	vv
F-2451	NA 1925B	Bonito Terrace Group	fp	803	834	r
F-2450	NA 1925B	Bonito Terrace Group	p	675	773	vv
F-2444	NA 1925B	Bonito Terrace Group	p	787	832	vv
F-2454	NA 1927A	Bonito Terrace Group	fp	747	811	vv
F-2463	NA 1927A	Bonito Terrace Group	fp	833	932	vv
F-2355	NA 1959	Coyote Range Pithouse	fp	727	854	vv
F-2350	NA 1959	Coyote Range Pithouse	fp	789	871	++vv
F-2382	NA 1959	Coyote Range Pithouse	fp	813	907	+vv
F-2371	NA 1959	Coyote Range Pithouse	fp	856	933	vv
F-2377-2	NA 1959	Coyote Range Pithouse	fp	915	959	vv
F-2374	NA 1959	Coyote Range Pithouse	fp	824	967	vv
F-2365	NA 1959	Coyote Range Pithouse	fp	949	978	v
F-2361	NA 1959	Coyote Range Pithouse	p	733	796	vv
F-2368	NA 1959	Coyote Range Pithouse	p	900	954	vv

F-1789	NA 2001	No Site Name	N/A	731	828	vv
F-1822	NA 2001	No Site Name	fp	790	827	vv
F-1792	NA 2001	No Site Name	fp	827	930	vv
F-2169	NA 2001	No Site Name	fp	925	963	vv
F-2171-1	NA 2001	No Site Name	fp	914	984	vv
F-1818	NA 2001	No Site Name	fp	881	987	vv
F-1787	NA 2001	No Site Name	fp	882	997	vv
F-1799	NA 2001	No Site Name	fp	850	1020	vv
F-2159	NA 2001	No Site Name	fp	881	971	vv
F-1812	NA 2001	No Site Name	fp	945	988	vv
F-1969	NA 2001	No Site Name	fp	983	1021	vv
F-1811	NA 2001	No Site Name	p	1060	1114	r
F-1780	NA 2001	No Site Name	p	825	977	+v
F-1770	NA 2001	No Site Name	p	823	964	vv
F-1977	NA 2002	No Site Name	N/A	807	1096	vv
F-1833	NA 2002	No Site Name	fp	716	805	vv
F-2209	NA 2002	No Site Name	fp	750	805	vv
F-1999	NA 2002	No Site Name	fp	719	806	vv
F-2001	NA 2002	No Site Name	fp	734	842	vv
F-2210	NA 2002	No Site Name	fp	805	856	vv
F-2001	NA 2002	No Site Name	fp	834	872	vv
F-1888	NA 2002	No Site Name	fp	826	881	vv
F-2055-2	NA 2002	No Site Name	fp	826	893	vv
F-2008	NA 2002	No Site Name	fp	886	940	vv
F-1995	NA 2002	No Site Name	fp	857	945	vv
F-2045	NA 2002	No Site Name	fp	807	949	vv
F-2000	NA 2002	No Site Name	fp	885	959	vv
F-2037	NA 2002	No Site Name	fp	887	962	vv
F-1986	NA 2002	No Site Name	fp	911	973	vv
F-2004-2	NA 2002	No Site Name	fp	927	978	vv
F-2009	NA 2002	No Site Name	fp	927	982	vv
F-1925	NA 2002	No Site Name	fp	856	986	vv
F-1940	NA 2002	No Site Name	fp	759	986	vv
F-1905	NA 2002	No Site Name	fp	865	988	vv
F-1866	NA 2002	No Site Name	fp	846	992	vv
F-2051	NA 2002	No Site Name	fp	901	992	vv
F-1949-2	NA 2002	No Site Name	fp	939	996	vv
F-1981	NA 2002	No Site Name	fp	955	1024	vv
F-1988	NA 2002	No Site Name	fp	918	1024	vv
F-2065	NA 2002	No Site Name	fp	945	1027	vv
F-2047	NA 2002	No Site Name	fp	874	1036	vv

F-2061	NA 2002	No Site Name	fp	922	1037	vv
F-2048	NA 2002	No Site Name	fp	937	1045	vv
F-2030	NA 2002	No Site Name	fp	945	1056	vv
F-2208	NA 2002	No Site Name	fp	821	1059	vv
F-2053	NA 2002	No Site Name	fp	927	1065	vv
F-2003	NA 2002	No Site Name	fp	952	1078	vv
F-1976	NA 2002	No Site Name	fp	989	1088	vv
F-1881	NA 2002	No Site Name	fp	944	1092	vv
F-1926-3	NA 2002	No Site Name	fp	1072	1104	vv
F-1935	NA 2002	No Site Name	fp	946	1105	v
F-2031	NA 2002	No Site Name	fp	850	1117	vv
F-2046-3	NA 2002	No Site Name	fp	1015	1117	vv
F-2055-3	NA 2002	No Site Name	fp	1017	1119	vv
F-2034	NA 2002	No Site Name	fp	946	1123	vv
F-1917	NA 2002	No Site Name	fp	890	1117	v
F-1854	NA 2002	No Site Name	fp	1060	1118	r
F-1851	NA 2002	No Site Name	fp	879	1114	+v
F-1897	NA 2002	No Site Name	fp	982	1127	+r
F-2006	NA 2002	No Site Name	p	841	928	vv
F-1942	NA 2002	No Site Name	p	844	964	vv
F-1941	NA 2002	No Site Name	p	846	974	vv
F-1832	NA 2002	No Site Name	p	890	941	v
F-2122	NA 2004A	No Site Name	N/A	855	992	vv
F-2139-2	NA 2004A	No Site Name	fp	865	907	vv
F-2130	NA 2004A	No Site Name	fp	879	988	vv
F-2125	NA 2004A	No Site Name	fp	866	1000	vv
F-2136	NA 2004A	No Site Name	fp	852	1041	vv
F-2139-1	NA 2004A	No Site Name	p	822	881	vv
F-2140	NA 2004A	No Site Name	p	960	1001	vv
F-2237	NA 2004B	No Site Name	p	801	876	vv
COH-16	NA 20619	AR-03-07-02-223	+-p	965	1027	v
COH-50	NA 20619	AR-03-07-02-223	+-p	955	1013	vv
COH-39a,b	NA 20619	AR-03-07-02-223	+-p	945	1029	vv
COH-47a,b	NA 20619	AR-03-07-02-223	+-p	961	1038	+vv
COH-2abc	NA 20619	AR-03-07-02-223	N/A	962	1052	vv
COH-1ab	NA 20619	AR-03-07-02-223	N/A	901	1007	vv
COH-23	NA 20619	AR-03-07-02-223	N/A	953	1027	vv
COH-26	NA 20619	AR-03-07-02-223	N/A	957	1017	vv
COH-10ab	NA 20619	AR-03-07-02-223	N/A	953	1024	vv

COH-20ab	NA 20619	AR-03-07-02-223	N/A	978	1025	vv
COH-30a,b,c	NA 20619	AR-03-07-02-223	N/A	919	1007	vv
COH-58a,b	NA 20619	AR-03-07-02-223	N/A	864	1029	vv
COH-42a,b	NA 20619	AR-03-07-02-223	N/A	960	1023	vv
COH-45a-d	NA 20619	AR-03-07-02-223	N/A	934	1023	vv
COH-52	NA 20619	AR-03-07-02-223	N/A	977	1028	+vv
COH-60	NA 20619	AR-03-07-02-223	N/A	952	1031	vv
COH-6	NA 20619	AR-03-07-02-223	N/A	855	923	vv
COH-12ab	NA 20619	AR-03-07-02-223	N/A	942	1021	vv
COH-17ab	NA 20619	AR-03-07-02-223	N/A	901	1016	vv
COH-24	NA 20619	AR-03-07-02-223	p	960	1017	vv
COH-18	NA 20619	AR-03-07-02-223	p	971	1034	vv
COH-13	NA 20619	AR-03-07-02-223	p	943	1027	vv
COH-31a,b	NA 20619	AR-03-07-02-223	p	914	1033	vv
COH-59a,b	NA 20619	AR-03-07-02-223	p	933	1041	+vv
COH-37	NA 20619	AR-03-07-02-223	p	969	1015	vv
COH-49a,b,c	NA 20619	AR-03-07-02-223	p	949	1016	vv
COH-48a,b	NA 20619	AR-03-07-02-223	p	947	1026	vv
COH-41	NA 20619	AR-03-07-02-223	p	965	1030	vv
COH-44a,b	NA 20619	AR-03-07-02-223	p	969	1031	vv
COH-33a,b,c,d	NA 20619	AR-03-07-02-223	p	914	1034	vv
FLG-258	NA 20700	No Site Name	N/A	640	691	vv
FLG-260	NA 20700	No Site Name	N/A	725	768	vv
FLG-263	NA 20700	No Site Name	p	730	773	vv
FLG-257	NA 20700	No Site Name	p	602	719	vv
FLG-261	NA 20700	No Site Name	p	675	762	vv
FLG-256	NA 20700	No Site Name	p	694	740	vv
FLG-329	NA 21103	No Site Name	N/A	828	890	vv
FLG-331a-d	NA 21103	No Site Name	p	824	915	vv
FLG-328	NA 21104	No Site Name	N/A	849	938	vv
F-4398	NA 2133	Winona Village	p	1020	1105	vv
F-4502	NA 2133A	Winona Village	+-fp	927	1086	rB

F-4509	NA 2133A	Winona Village	+-p	862	1076	vv
F-4510	NA 2133A	Winona Village	+-p	880	1077	vv
F-4549	NA 2133A	Winona Village	+-p	1011	1086	rB
F-4584	NA 2133A	Winona Village	p	1029	1083	v
F-4524	NA 2133A	Winona Village	p	1033	1064	vv
F-4531	NA 2133A	Winona Village	p	1050	1073	vv
F-4545	NA 2133A	Winona Village	p	1040	1074	vv
F-4544	NA 2133A	Winona Village	p	1043	1076	vv
F-4556	NA 2133A	Winona Village	p	1042	1079	vv
F-4532	NA 2133A	Winona Village	p	1031	1080	vv
F-4552	NA 2133A	Winona Village	p	1041	1084	vv
F-4555	NA 2133A	Winona Village	p	1040	1084	vv
F-4535	NA 2133A	Winona Village	p	1054	1086	vv
F-4561	NA 2133A	Winona Village	p	1046	1087	vv
F-4531	NA 2133A	Winona Village	p	1041	1088	vv
F-4589	NA 2133A	Winona Village	p	1034	1085	v
F-4487	NA 2133A	Winona Village	p	1029	1086	r
F-4520	NA 2133A	Winona Village	p	1034	1086	v
F-4566	NA 2133A	Winona Village	p	1055	1086	v
F-4716	NA 2133A	Winona Village	p	1057	1086	r
F-4518	NA 2133A	Winona Village	p	1046	1080	vv
F-4517	NA 2133A	Winona Village	p	1046	1095	vv
F-4579	NA 2133A	Winona Village	p	1061	1085	v
F-4498	NA 2133A	Winona Village	p	942	1074	vv
F-4569	NA 2133A	Winona Village	p	969	1085	r
F-4506	NA 2133A	Winona Village	p	960	1086	r
F-4504	NA 2133A	Winona Village	p	935	1084	+v
F-4541	NA 2133A	Winona Village	p	1020	1086	+r
F-4526	NA 2133A	Winona Village	p	916	1075	vv
F-4491	NA 2133A	Winona Village	p	1012	1082	vv
F-4574	NA 2133A	Winona Village	p	1048	1082	vv
F-4550	NA 2133A	Winona Village	p	1055	1086	vv
F-4402	NA 2133B	Winona Village	fp	1043	1082	vv
F-4457	NA 2133D	Winona Village	p	1041	1076	vv
F-4419	NA 2133D	Winona Village	p	1040	1077	vv
F-4440	NA 2133D	Winona Village	p	1037	1093	vv
F-4448	NA 2133D	Winona Village	p	1039	1095	vv
F-4426	NA 2133D	Winona Village	p	1045	1098	vv
F-4435	NA 2133D	Winona Village	p	1047	1100	vv
F-4412	NA 2133D	Winona Village	p	1014	1071	vv
F-4428	NA 2133D	Winona Village	p	1032	1073	vv

F-4425	NA 2133D	Winona Village	p	1038	1085	+vv
F-4451	NA 2133D	Winona Village	p	1042	1101	vv
F-4416	NA 2133D	Winona Village	p	1012	1071	v
F-4682	NA 2133G	Winona Village	p	1003	1082	vv
F-4677	NA 2133G	Winona Village	p	996	1086	vv
F-3676	NA 2134A	Winona Village	+-p	947	1033	vv
F-3674-2	NA 2134A	Winona Village	N/A	924	1020	+vv
F-3671	NA 2134A	Winona Village	fp	1059	1089	vv
F-4277	NA 2134A	Winona Village	fp	1063	1100	vv
F-3674-1	NA 2134A	Winona Village	fp	1078	1111	vv
F-3623	NA 2134A	Winona Village	fp	1078	1116	vv
F-3603	NA 2134A	Winona Village	fp	1060	1121	+vv
F-3622	NA 2134A	Winona Village	fp	1100	1124	vv
F-3659	NA 2134A	Winona Village	fp	1079	1130	vv
F-3621	NA 2134A	Winona Village	fp	1101	1140	vv
F-3677	NA 2134A	Winona Village	p	927	1039	++vv
F-3611	NA 2134A	Winona Village	p	1075	1102	+vv
F-3673	NA 2134A	Winona Village	p	1070	1111	vv
F-3608	NA 2134A	Winona Village	p	1063	1126	vv
F-3599	NA 2134A	Winona Village	p	1093	1128	vv
F-3601	NA 2134A	Winona Village	p	1066	1128	vv
F-3618	NA 2134A	Winona Village	p	1059	1133	vv
F-4858	NA 2134B	Winona Village	N/A	997	1088	v
F-4859	NA 2134B	Winona Village	fp	1019	1090	+v
F-4472	NA 2134E.1	Winona Village	p	1010	1057	vv
F-4470	NA 2134E.1	Winona Village	p	985	1086	vv
F-4877	NA 2134T	Winona Village	fp	874	968	vv
F-4875	NA 2134T	Winona Village	fp	971	1032	vv
F-3514	NA 2134T	Winona Village	fp	956	1061	vv
F-4594	NA 2134T	Winona Village	p	876	1076	vv
F-4700	NA 2135C	Winona Village	fp	1072	1096	v
F-4699	NA 2135C	Winona Village	p	1022	1082	vv
F-4687	NA 2135C	Winona Village	p	1029	1096	vv
F-4692	NA 2135C	Winona Village	p	959	1046	vv
F-4686	NA 2135C	Winona Village	p	851	1061	vv
F-4689	NA 2135C	Winona Village	p	1048	1095	vv
F-4694	NA 2135C	Winona Village	p	1036	1087	r
F-4695	NA 2135C	Winona Village	p	1017	1087	r
COLC-1	NA 219	Porcupine	fp	1003	1039	vv
F-2646	NA 2218	No Site Name	fp	1037	1094	+vv
F-4050	NA 2551	Baker Ranch Group	fp	734	773	vv

F-3402	NA 2551	Baker Ranch Group	fp	730	805	vv
F-4097	NA 2551	Baker Ranch Group	fp	841	889	vv
F-3976	NA 2551	Baker Ranch Group	fp	831	903	vv
F-4036	NA 2551	Baker Ranch Group	p	811	888	vv
F-4040	NA 2551	Baker Ranch Group	p	638	686	vv
FLG-332a,b	NA 25751	No Site Name	N/A	763	834	vv
FLG-339	NA 25751	No Site Name	N/A	861	894	vv
WAP-35	NA 25777	No Site Name	N/A	729	830	+vv
WAP-36,37	NA 25777	No Site Name	N/A	738	805	vv
FLG-340	NA 25779	No Site Name	N/A	856	907	+vv
FLG-345	NA 25779	No Site Name	N/A	877	929	vv
FLG-343	NA 25779	No Site Name	N/A	876	952	vv
FLG-346	NA 25779	No Site Name	p	838	887	vv
FLG-348	NA 25779	No Site Name	p	858	901	vv
F-3960	NA 2797	Baker Ranch Group	fp	733	765	vv
F-3953	NA 2797	Baker Ranch Group	p	691	731	vv
F-4000	NA 2798	Baker Ranch Group	N/A	697	797	+vv
F-3983-2	NA 2798	Baker Ranch Group	fp	638	711	vv
F-3996	NA 2798	Baker Ranch Group	fp	691	749	vv
F-3993	NA 2798	Baker Ranch Group	fp	669	772	vv
F-3992	NA 2798	Baker Ranch Group	fp	528	800	vv
F-4089	NA 2798	Baker Ranch Group	fp	714	802	vv
F-3995	NA 2798	Baker Ranch Group	fp	693	829	vv
F-4015	NA 2798	Baker Ranch Group	fp	784	838	vv
F-3997	NA 2798	Baker Ranch Group	fp	800	844	vv
F-4095	NA 2798	Baker Ranch Group	fp	818	882	vv
F-4007	NA 2798	Baker Ranch Group	fp	864	911	vv
F-4003	NA 2798	Baker Ranch Group	fp	650	930	vv
F-4020	NA 2798	Baker Ranch Group	fp	860	928	r
F-3984	NA 2798	Baker Ranch Group	p	654	771	vv
F-4013	NA 2798	Baker Ranch Group	p	877	937	r
F-4102	NA 2798	Baker Ranch Group	p	862	942	B
F-3987	NA 2798	Baker Ranch Group	p	891	948	r
F-4084	NA 2800	Baker Ranch Group	N/A	840	880	vv
F-4060	NA 2800	Baker Ranch Group	N/A	623	683	vv
F-4073	NA 2800	Baker Ranch Group	N/A	682	721	vv
F-4076	NA 2800	Baker Ranch Group	N/A	799	852	vv
F-4083	NA 2800	Baker Ranch Group	p	789	845	vv
F-3416	NA 2800	Baker Ranch Group	p	799	876	vv
F-4070	NA 2800	Baker Ranch Group	p	814	877	vv

F-4072	NA 2800	Baker Ranch Group	p	806	881	vv
F-4068	NA 2800	Baker Ranch Group	p	800	865	B
F-4069	NA 2800	Baker Ranch Group	p	821	878	r
F-3412	NA 2800	Baker Ranch Group	p	817	881	v
F-4058	NA 2800	Baker Ranch Group	p	805	873	+B
F-3415	NA 2800	Baker Ranch Group	p	636	691	vv
F-4053	NA 2800	Baker Ranch Group	p	641	711	vv
F-4052	NA 2800	Baker Ranch Group	p	658	721	vv
F-4079	NA 2800	Baker Ranch Group	p	647	747	vv
F-4062	NA 2800	Baker Ranch Group	p	734	792	vv
F-4078	NA 2800	Baker Ranch Group	p	820	856	vv
F-4080	NA 2800	Baker Ranch Group	p	802	876	+v
F-3443	NA 3056	No Site Name	fp	793	848	vv
F-3450	NA 3056	No Site Name	fp	848	914	vv
F-2353	NA 310	Walnut Canyon Group	N/A	791	935	vv
F-1611	NA 323	Walnut Canyon Group	fp	1112	1206	rL
F-3683	NA 333	Walnut Canyon Group	fp	1010	1188	+vv
WAL-4	NA 334C	Walnut Canyon Group	fp	981	1184	vv
CIT-3	NA 355	The Citadel	p	1136	1160	r
CIT-1	NA 355	The Citadel	p	1144	1192	rL
F-4395	NA 3577	Pittsberg Village	N/A	987	1050	vv
F-4713	NA 3577	Pittsberg Village	N/A	827	962	vv
F-4712	NA 3577	Pittsberg Village	N/A	988	1041	vv
F-4711	NA 3577	Pittsberg Village	N/A	960	1051	vv
F-5573	NA 3577	Pittsberg Village	N/A	988	1053	vv
F-5627	NA 3577	Pittsberg Village	N/A	989	1053	vv
F-5594	NA 3577	Pittsberg Village	N/A	1015	1052	r
F-5651	NA 3577	Pittsberg Village	N/A	994	1047	vv
F-5718	NA 3577	Pittsberg Village	N/A	981	1019	vv
F-4388	NA 3577	Pittsberg Village	N/A	987	1044	vv
F-5583	NA 3577	Pittsberg Village	N/A	984	1065	v
F-5607A	NA 3577	Pittsberg Village	fp	1011	1053	v
F-5610	NA 3577	Pittsberg Village	fp	931	999	vv
F-5628	NA 3577	Pittsberg Village	fp	998	1037	v
F-5654	NA 3577	Pittsberg Village	fp	987	1045	vv
F-6774	NA 3577	Pittsberg Village	fp	987	1037	vv
F-4379	NA 3577	Pittsberg Village	fp	986	1013	vv
F-4377	NA 3577	Pittsberg Village	fp	957	1027	vv
F-4705	NA 3577	Pittsberg Village	fp	1002	1045	vv
F-4706	NA 3577	Pittsberg Village	fp	1009	1051	vv
F-4715	NA 3577	Pittsberg Village	fp	1015	1052	vv

F-5655	NA 3577	Pittsberg Village	fp	1000	1035	vv
F-5696	NA 3577	Pittsberg Village	fp	1016	1058	vv
F-5680	NA 3577	Pittsberg Village	fp	890	1062	vv
F-4384	NA 3577	Pittsberg Village	fp	866	952	vv
F-5721A	NA 3577	Pittsberg Village	fp	919	958	vv
F-5675	NA 3577	Pittsberg Village	fp	986	1025	vv
F-5683	NA 3577	Pittsberg Village	fp	990	1058	vv
F-5664	NA 3577	Pittsberg Village	p	1019	1053	r
F-4703	NA 3577	Pittsberg Village	p	972	1050	vv
F-5631	NA 3577	Pittsberg Village	p	996	1051	vv
F-5607B	NA 3577	Pittsberg Village	p	991	1052	vv
F-5586	NA 3577	Pittsberg Village	p	845	928	r
F-5636	NA 3577	Pittsberg Village	p	1006	1047	v
F-5584	NA 3577	Pittsberg Village	p	981	1052	v
F-5589	NA 3577	Pittsberg Village	p	1021	1054	rB
F-5702	NA 3577	Pittsberg Village	p	871	981	vv
F-5708	NA 3577	Pittsberg Village	p	970	1010	vv
F-5659	NA 3577	Pittsberg Village	p	988	1033	vv
F-5678	NA 3577	Pittsberg Village	p	971	1016	vv
F-5665A	NA 3577	Pittsberg Village	p	988	1022	vv
F-5714	NA 3577	Pittsberg Village	p	959	1022	vv
F-5685	NA 3577	Pittsberg Village	p	994	1035	vv
F-5686A	NA 3577	Pittsberg Village	p	966	1051	rB
F-4380	NA 3577	Pittsberg Village	p	978	1042	vv
F-4378	NA 3577	Pittsberg Village	p	965	1065	r
F-5704	NA 3577	Pittsberg Village	p	861	994	vv
F-5679	NA 3577	Pittsberg Village	p	1024	1065	v
F-5697	NA 3577	Pittsberg Village	p	834	916	vv
F-5653	NA 3577	Pittsberg Village	p	880	958	vv
F-6776	NA 3577	Pittsberg Village	p	935	1012	vv
F-4268	NA 358	Nalakihu	p	1116	1183	r
F-3286	NA 358	Nalakihu	p	1113	1169	vv
F-5741	NA 3580	No Site Name	N/A	1051	1117	vv
F-5742	NA 3580	No Site Name	N/A	734	857	vv
F-5735	NA 3580	No Site Name	p	994	1058	vv
F-5734	NA 3580	No Site Name	p	1006	1077	vv
F-5730	NA 3580	No Site Name	p	1007	1087	vv
F-5728	NA 3580	No Site Name	p	1063	1104	vv
F-5739	NA 3580	No Site Name	p	1036	1078	vv
F-4718	NA 3644A.1	Winona Village	fp	869	976	vv
F-4475	NA 3644C	Winona Village	N/A	988	1054	vv

F-4482	NA 3644C	Winona Village	N/A	994	1120	+r
F-4474	NA 3644C	Winona Village	fp	1003	1099	vv
F-4476	NA 3644C	Winona Village	p	1068	1117	vv
F-4640	NA 3644J	Winona Village	N/A	945	1018	vv
F-4637	NA 3644J	Winona Village	fp	1010	1093	vv
F-4638	NA 3644J	Winona Village	p	959	1061	vv
F-4645	NA 3644K	Winona Village	p	837	1076	r
F-4622	NA 3644M	Winona Village	N/A	916	1071	vv
F-4615	NA 3644M	Winona Village	fp	1057	1097	r
F-4633	NA 3644M	Winona Village	p	1040	1088	vv
F-4617	NA 3644M	Winona Village	p	964	1096	vv
F-4616	NA 3644M	Winona Village	p	1034	1104	r
F-4613	NA 3644P	Winona Village	N/A	1038	1107	vv
F-4614	NA 3644P	Winona Village	fp	1017	1099	vv
F-4610	NA 3644P	Winona Village	fp	1077	1107	r
F-4662	NA 3644Q	Winona Village	p	962	1063	vv
F-4659	NA 3644Q	Winona Village	p	1007	1070	vv
F-4846	NA 3673T*	Ridge Ruin	p	1048	1080	v
F-4850	NA 3673T*	Ridge Ruin	p	1049	1080	r
F-4753	NA 3673T*	Ridge Ruin	p	1042	1075	vv
F-4874	NA 3673T*	Ridge Ruin	p	998	1080	vv
F-4855	NA 3673T*	Ridge Ruin	p	1030	1081	r
F-4860	NA 3674R	Ridge Ruin	p	1056	1081	vv
F-4861	NA 3674R	Ridge Ruin	p	1055	1082	vv
F-5340-2	NA 3996	Cinder Park	fp	651	683	vv
F-5284	NA 3996	Cinder Park	fp	636	688	vv
F-5271	NA 3996	Cinder Park	p	607	688	vv
WPT-362	NA 405	Wupatki	N/A	1141	1173	vv
WPT-533	NA 405	Wupatki	N/A	1151	1252	+vv
WPT-530	NA 405	Wupatki	N/A	1124	1197	vv
WPT-518	NA 405	Wupatki	N/A	1115	1159	vv
WPT-503	NA 405	Wupatki	N/A	1146	1174	vv
F-3766	NA 405	Wupatki	fp	1131	1186	r
F-5455	NA 405	Wupatki	fp	1130	1172	vv
F-3829	NA 405	Wupatki	fp	1118	1153	vv
F-2351	NA 405	Wupatki	fp	1025	1125	vv
F-4210	NA 405	Wupatki	fp	1042	1132	vv
F-1613 A-C	NA 405	Wupatki	fp	1111	1136	+rB
F-2947	NA 405	Wupatki	fp	936	1103	vv
WPT-253-1	NA 405	Wupatki	fp	1106	1128	vv

WPT-253-3	NA 405	Wupatki	fp	1112	1145	v
WPT-253-4	NA 405	Wupatki	fp	1129	1148	v
WPT-331	NA 405	Wupatki	fp	1049	1090	vv
F-3792	NA 405	Wupatki	fp	1094	1151	+vv
F-3713	NA 405	Wupatki	fp	1129	1197	r
F-3778	NA 405	Wupatki	fp	1156	1207	v
F-3729	NA 405	Wupatki	fp	1063	1120	vv
F-3737	NA 405	Wupatki	fp	1136	1160	r
F-2587	NA 405	Wupatki	fp	1083	1129	vv
F-3832	NA 405	Wupatki	fp	1125	1163	vv
WPT-65	NA 405	Wupatki	p	1174	1201	vv
WPT-133 A-D	NA 405	Wupatki	p	986	1118	++rB
WPT-2	NA 405	Wupatki	p	1161	1183	c
F-2524	NA 405	Wupatki	p	1010	1131	+v
WPT-392	NA 405	Wupatki	p	1132	1173	vv
F-3703	NA 405	Wupatki	p	1120	1161	r
F-3017	NA 405	Wupatki	p	1012	1125	vv
WPT-158	NA 405	Wupatki	p	1135	1194	v
WPT-162 A,B	NA 405	Wupatki	p	1012	1111	vv
F-2995	NA 405	Wupatki	p	1105	1157	vv
WPT-483	NA 405	Wupatki	p	1112	1182	+vv
F-4202	NA 405	Wupatki	p	1155	1184	r
F-3708	NA 405	Wupatki	p	1063	1145	r
WPT-240	NA 405	Wupatki	p	1113	1146	v
WPT-229	NA 405	Wupatki	p	1102	1146	r
WPT-30	NA 405	Wupatki	p	1138	1155	cB
WPT-87	NA 405	Wupatki	p	1044	1148	++r
F-3853	NA 405	Wupatki	p	1024	1135	v
F-3871	NA 405	Wupatki	p	1128	1155	rL
F-2983	NA 405	Wupatki	p	1223	1253	+v
F-3741	NA 405	Wupatki	p	1121	1168	vv
F-3815	NA 405	Wupatki	p	1156	1213	+vv
F-3884	NA 405	Wupatki	p	1155	1190	r
WPT-239	NA 405	Wupatki	p	1077	1138	++vv
F-2235	NA 405	Wupatki	p	1052	1143	+vv
F-2540	NA 405	Wupatki	p	1145	1191	v
F-2525	NA 405	Wupatki	p	1027	1137	vv
WPT-261	NA 405	Wupatki	p	1096	1140	vv
F-2980	NA 405	Wupatki	p	1056	1131	rB

WPT-322 A,B	NA 405	Wupatki	p	1080	1145	r
F-3746	NA 405	Wupatki	p	1137	1174	vv
F-3755-1	NA 405	Wupatki	p	1016	1110	++v
F-3781	NA 405	Wupatki	p	1118	1168	vv
F-3903	NA 405	Wupatki	p	1140	1173	vv
WPT-343	NA 405	Wupatki	p	1017	1087	vv
WPT-132 A,B	NA 405	Wupatki	p	1002	1143	vv
WPT-109	NA 405	Wupatki	p	1113	1158	vv
F-2522	NA 405	Wupatki	p	1113	1160	vv
F-2547	NA 405	Wupatki	p	1151	1192	vv
F-1614	NA 405	Wupatki	p	1155	1200	vv
WPT-2525	NA 405	Wupatki	p	1012	1137	r
WPT-29	NA 405	Wupatki	p	1140	1155	r
WPT-4	NA 405	Wupatki	p	1105	1163	r
F-2990	NA 405	Wupatki	p	1114	1170	c
WPT-1	NA 405	Wupatki	p	1162	1205	r
F-2536	NA 405	Wupatki	p	1058	1141	++vv
F-3705	NA 405	Wupatki	p	1023	1106	r
F-2948	NA 405	Wupatki	p	1086	1160	c
F-3213	NA 405	Wupatki	p	1135	1160	c
F-3215	NA 405	Wupatki	p	1135	1161	cL
F-3010	NA 405	Wupatki	p	1069	1152	r
F-3007	NA 405	Wupatki	p	1134	1160	c
F-3016	NA 405	Wupatki	p	1149	1215	v
F-3009	NA 405	Wupatki	p	1131	1161	c
F-3022	NA 405	Wupatki	p	1049	1148	vv
WPT-136	NA 405	Wupatki	p	1090	1143	vv
WPT-155	NA 405	Wupatki	p	1110	1138	r
F-2984	NA 405	Wupatki	p	1149	1209	vv
WPT-161	NA 405	Wupatki	p	1154	1203	vv
WPT-163	NA 405	Wupatki	p	1163	1185	vv
F-3849	NA 405	Wupatki	p	1078	1158	+vv
WPT-413	NA 405	Wupatki	p	1128	1160	vv
F-3704	NA 405	Wupatki	p	1162	1192	r
WPT-251	NA 405	Wupatki	p	1115	1147	r
WPT-252 A,B	NA 405	Wupatki	p	1141	1173	r
WPT-13	NA 405	Wupatki	p	1014	1128	+vv
WPT-19 A-D	NA 405	Wupatki	p	998	1144	r

WPT-15 A,B	NA 405	Wupatki	p	1129	1183	c
WPT-18	NA 405	Wupatki	p	1160	1183	r
WPT-33	NA 405	Wupatki	p	1149	1212	r
F-3875	NA 405	Wupatki	p	1154	1211	r
F-3725	NA 405	Wupatki	p	1022	1126	+v
F-3858	NA 405	Wupatki	p	1160	1194	r
WPT-24 A,B	NA 405	Wupatki	p	1110	1179	vv
WPT-3	NA 405	Wupatki	p	1132	1190	r
WPT-31	NA 405	Wupatki	p	1122	1192	+r
F-3886	NA 405	Wupatki	p	1223	1260	vv
F-3784	NA 405	Wupatki	p	1180	1206	vv
F-3813	NA 405	Wupatki	p	1145	1174	vv
WPT-67	NA 405	Wupatki	p	1078	1130	vv
WPT-75	NA 405	Wupatki	p	1153	1183	vv
WPT-54	NA 405	Wupatki	p	1157	1190	vv
F-3749-2	NA 405	Wupatki	p	1098	1173	vv
F-3758	NA 405	Wupatki	p	1131	1167	vv
F-3761	NA 405	Wupatki	p	1039	1128	vv
F-3807	NA 405	Wupatki	p	1109	1174	vv
F-3862	NA 405	Wupatki	p	1124	1170	vv
F-3905	NA 405	Wupatki	p	1104	1137	vv
F-2519	NA 405	Wupatki	p	1077	1130	vv
WPT-51	NA 405	Wupatki	p	1110	1153	vv
WPT-129	NA 405	Wupatki	p	1123	1168	vv
WPT-107 A,B	NA 405	Wupatki	p	1145	1171	vv
F-2535	NA 405	Wupatki	p	1121	1172	vv
WPT-354	NA 405	Wupatki	p	1141	1174	vv
F-2538	NA 405	Wupatki	p	1090	1131	r
WPT-345	NA 405	Wupatki	p	1110	1137	rB
WPT-81	NA 405	Wupatki	p	1057	1137	c
WPT-32	NA 405	Wupatki	p	1105	1146	rB
WPT-383	NA 405	Wupatki	p	1090	1146	B
F-3822	NA 405	Wupatki	p	1145	1162	r
WPT-44-2 A,B	NA 405	Wupatki	p	1125	1164	r
WPT-128	NA 405	Wupatki	p	1130	1167	v
WPT-127	NA 405	Wupatki	p	1135	1168	r
F-3747	NA 405	Wupatki	p	1138	1160	r
WPT-341	NA 405	Wupatki	p	1118	1137	r
F-3216	NA 405	Wupatki	p	1113	1138	c

F-2973	NA 405	Wupatki	p	1120	1158	vv
F-3048	NA 405	Wupatki	p	1051	1130	vv
F-3030	NA 405	Wupatki	p	1097	1137	r
WPT-138 A,B	NA 405	Wupatki	p	1123	1194	vv
F-3736	NA 405	Wupatki	p	1165	1192	r
F-3923	NA 405	Wupatki	p	1115	1167	vv
F-3709	NA 405	Wupatki	p	1109	1174	r
WPT-148	NA 405	Wupatki	p	1098	1151	vv
WPT-145	NA 405	Wupatki	p	1102	1138	r
WPT-144	NA 405	Wupatki	p	1114	1149	r
WPT-147	NA 405	Wupatki	p	1119	1150	r
F-2964	NA 405	Wupatki	p	1110	1153	v
WPT-143	NA 405	Wupatki	p	1102	1167	v
WPT-154	NA 405	Wupatki	p	1135	1175	r
F-2985	NA 405	Wupatki	p	1071	1160	vv
F-2982	NA 405	Wupatki	p	1089	1144	vv
F-2993	NA 405	Wupatki	p	1119	1149	vv
F-3002	NA 405	Wupatki	p	1092	1160	rL
F-2996	NA 405	Wupatki	p	1128	1178	v
WPT-475	NA 405	Wupatki	p	1124	1167	vv
WPT-228	NA 405	Wupatki	p	1162	1197	r
F-3669	NA 405	Wupatki	p	1148	1168	r
F-3706	NA 405	Wupatki	p	1120	1160	r
F-3707	NA 405	Wupatki	p	1141	1160	r
WPT-255 A,B	NA 405	Wupatki	p	1148	1168	cL
F-3702	NA 405	Wupatki	p	1100	1145	r
WPT-21-1	NA 405	Wupatki	p	1099	1145	v
WPT-27	NA 405	Wupatki	p	1109	1153	r
WPT-46	NA 405	Wupatki	p	1122	1172	vv
WPT-104	NA 405	Wupatki	p	1082	1137	v
WPT-90-2	NA 405	Wupatki	p	1078	1137	r
WPT-100 A,B	NA 405	Wupatki	p	1151	1183	r
F-3891-1	NA 405	Wupatki	p	1123	1159	vv
F-2532	NA 405	Wupatki	p	1093	1168	v
F-3836	NA 405	Wupatki	p	1101	1139	v
F-3859	NA 405	Wupatki	p	1110	1146	rB
F-3748	NA 405	Wupatki	p	1138	1167	v
F-3868	NA 405	Wupatki	p	1108	1160	r

F-3895	NA 405	Wupatki	p	1101	1190	vv
F-2234	NA 405	Wupatki	p	1092	1137	r
F-3902	NA 405	Wupatki	p	1128	1160	r
F-3847	NA 405	Wupatki	p	1158	1190	r
F-1011	NA 408A	Jack Smith Alcove Houses	N/A	810	908	vv
F-999	NA 408A	Jack Smith Alcove Houses	fp	964	1022	vv
F-713	NA 408A	Jack Smith Alcove Houses	fp	863	898	vv
F-832	NA 408A	Jack Smith Alcove Houses	p	862	911	vv
F-721	NA 408A	Jack Smith Alcove Houses	p	864	932	vv
F-717	NA 408A	Jack Smith Alcove Houses	p	833	1014	vv
F-1040	NA 408A	Jack Smith Alcove Houses	p	970	1006	vv
F-1024	NA 408A	Jack Smith Alcove Houses	p	964	1008	vv
WAP-12	NA 420	No Site Name	N/A	1059	1115	vv
WAP-20	NA 420	No Site Name	N/A	823	898	vv
WAP-9,27	NA 420	No Site Name	N/A	965	996	vv
WAP-10	NA 420	No Site Name	N/A	763	834	vv
WAP-25	NA 420	No Site Name	N/A	826	963	vv
WAP-14	NA 420	No Site Name	N/A	932	1011	vv
WAP-29	NA 420	No Site Name	N/A	1053	1119	vv
WAP-26	NA 420	No Site Name	N/A	1034	1113	vv
WAP-18	NA 420	No Site Name	N/A	1005	1117	vv
WAP-13	NA 420	No Site Name	p	1012	1129	v
WAP-6	NA 420	No Site Name	p	1051	1123	+vv
WAP-7	NA 420	No Site Name	p	1051	1123	+rB
WAP-2	NA 420	No Site Name	p	1034	1125	+r
WAP-23	NA 420	No Site Name	p	714	784	+vv
WAP-15	NA 420	No Site Name	p	1052	1129	v
WAP-3	NA 420	No Site Name	p	1096	1129	r
WAP-4	NA 420	No Site Name	p	1033	1129	rB
F-4264	NA 4264	No Site Name	p	848	1059	vv
F-6182	NA 4265	No Site Name	fp	940	989	vv
FLG-78	NA 4265	No Site Name	p	845	960	vv
F-6092	NA 4317	Pollock Site	+-p	1200	1271	vv
F-6773	NA 4317	Pollock Site	+-p	1160	1243	r
F-6032	NA 4317	Pollock Site	N/A	1165	1280	vv
F-6041	NA 4317	Pollock Site	N/A	1232	1281	vv
F-6107	NA 4317	Pollock Site	N/A	1232	1286	vv
F-6030	NA 4317	Pollock Site	N/A	1197	1254	vv
F-6036	NA 4317	Pollock Site	N/A	1158	1284	vv
F-6037	NA 4317	Pollock Site	N/A	1135	1286	vv
F-6124B	NA 4317	Pollock Site	fp	1161	1183	vv

F-6089	NA 4317	Pollock Site	fp	1155	1182	v
F-6044	NA 4317	Pollock Site	p	1219	1268	vv
F-6087	NA 4317	Pollock Site	p	920	1129	vv
F-6049	NA 4317	Pollock Site	p	1168	1225	vv
F-6028	NA 4317	Pollock Site	p	1194	1277	vv
F-6042	NA 4317	Pollock Site	p	1195	1244	vv
F-6018	NA 4317	Pollock Site	p	1113	1286	v
F-6125	NA 4317	Pollock Site	p	1180	1280	vv
F-6054B	NA 4317	Pollock Site	p	1069	1150	vv
F-6019	NA 4317	Pollock Site	p	1198	1277	vv
F-6035B	NA 4317	Pollock Site	p	1184	1274	++vv
F-6035A	NA 4317	Pollock Site	p	1186	1284	vv
F-6024	NA 4317	Pollock Site	p	1168	1284	v
F-6043	NA 4317	Pollock Site	p	1138	1272	vv
F-6112	NA 4317	Pollock Site	p	1247	1292	v
F-6102	NA 4317	Pollock Site	p	1185	1282	vv
F-5564	NA 5137	No Site Name	N/A	1009	1120	r
F-5916	NA 5137	No Site Name	p	1001	1081	vv
F-5566	NA 5137	No Site Name	p	1038	1102	vv
F-5910-1	NA 5137	No Site Name	p	1082	1124	r
F-5920	NA 5137	No Site Name	p	1041	1084	vv
F-5916-1	NA 5137	No Site Name	p	993	1049	vv
F-5916-3	NA 5137	No Site Name	p	1039	1110	vv
F-5918	NA 5137	No Site Name	p	985	1037	vv
F-5917	NA 5137	No Site Name	p	948	1082	vv
F-5918-1	NA 5137	No Site Name	p	1014	1084	vv
F-5858?	NA 5149	No Site Name	+-p	895	1062	r
F-5563	NA 5149	No Site Name	+-p	811	1054	v
F-6979	NA 5149	No Site Name	N/A	982	1045	vv
F-5561	NA 5149	No Site Name	N/A	936	1048	vv
F-5843	NA 5149	No Site Name	N/A	1041	1112	rB
F-5871	NA 5149	No Site Name	N/A	968	1049	vv
F-5852	NA 5149	No Site Name	fp	987	1051	vv
F-6777	NA 5149	No Site Name	fp	966	1060	v
F-5847	NA 5149	No Site Name	p	791	874	vv
F-5557	NA 5149	No Site Name	p	802	977	++vv
F-5868	NA 5149	No Site Name	p	862	1013	vv
F-5560	NA 5149	No Site Name	p	874	1017	vv
F-5867	NA 5149	No Site Name	p	975	1024	vv
F-5556	NA 5149	No Site Name	p	838	1026	vv
F-5870	NA 5149	No Site Name	p	978	1028	vv

F-5847-1	NA 5149	No Site Name	p	865	1029	vv
F-5860	NA 5149	No Site Name	p	871	1041	vv
F-5858	NA 5149	No Site Name	p	931	1049	vv
F-5560	NA 5149	No Site Name	p	966	1056	vv
F-5847-2	NA 5149	No Site Name	p	854	1008	v
F-5845	NA 5149	No Site Name	p	842	1054	v
F-5854-1	NA 5149	No Site Name	p	818	1054	r
F-5855	NA 5149	No Site Name	p	969	1057	r
F-5844	NA 5149	No Site Name	p	1072	1111	r
F-5842	NA 5149	No Site Name	p	1045	1124	rB
F-5559	NA 5149	No Site Name	p	948	1056	v
APS-2	NA 5150	No Site Name	p	976	1052	vv
F-5901	NA 5150B	No Site Name	N/A	868	967	vv
F-5897	NA 5150B	No Site Name	N/A	988	1086	+vv
F-5898	NA 5150B	No Site Name	fp	968	1009	vv
F-5900	NA 5150B	No Site Name	p	1033	1096	vv
F-5899	NA 5150B	No Site Name	p	849	952	vv
F-5904-1	NA 5155	No Site Name	fp	924	974	vv
F-5908	NA 5155	No Site Name	p	1015	1070	vv
F-5904	NA 5155	No Site Name	p	869	993	vv
F-5550	NA 5159	No Site Name	fp	888	958	vv
F-5547	NA 5159	No Site Name	p	853	961	vv
F-5549	NA 5159	No Site Name	p	862	949	vv
F-5923	NA 5159	No Site Name	p	927	956	vv
F-5551	NA 5159	No Site Name	p	889	960	vv
F-5546	NA 5159	No Site Name	p	772	863	vv
F-5752	NA 5160	No Site Name	N/A	834	924	vv
F-5774	NA 5160	No Site Name	N/A	852	926	vv
F-5779	NA 5160	No Site Name	N/A	823	932	vv
F-5756	NA 5160	No Site Name	N/A	852	936	vv
F-5758	NA 5160	No Site Name	N/A	901	968	vv
F-5749-1	NA 5160	No Site Name	N/A	937	971	vv
F-5749	NA 5160	No Site Name	fp	897	925	vv
F-5771	NA 5160	No Site Name	p	930	985	vv
F-5769	NA 5160	No Site Name	p	842	1023	vv
F-5753	NA 5160	No Site Name	p	827	917	vv
F-5748	NA 5160	No Site Name	p	860	928	vv
F-5750	NA 5160	No Site Name	p	841	935	vv
F-5770	NA 5160	No Site Name	p	871	941	vv
F-5755	NA 5160	No Site Name	p	857	956	vv
F-5781	NA 5160	No Site Name	p	855	938	vv

F-5780	NA 5160	No Site Name	p	840	957	vv
F-5757	NA 5160	No Site Name	p	916	1027	vv
F-5831	NA 5161	No Site Name	+-p	632	707	vv
F-5824	NA 5161	No Site Name	+-p	622	759	vv
F-5832-1	NA 5161	No Site Name	N/A	643	700	vv
F-5823-1	NA 5161	No Site Name	fp	697	744	vv
F-5832	NA 5161	No Site Name	fp	679	751	vv
F-5821	NA 5161	No Site Name	fp	656	722	vv
F-5823	NA 5161	No Site Name	p	663	743	vv
F-5875	NA 5166c	No Site Name	N/A	709	773	vv
F-5877	NA 5166c	No Site Name	N/A	716	775	vv
F-5896	NA 5166c	No Site Name	p	588	701	vv
F-5536	NA 5166c	No Site Name	p	656	729	vv
F-5535	NA 5166c	No Site Name	p	624	730	vv
F-5535-1	NA 5166c	No Site Name	p	685	730	vv
F-5880A	NA 5166c	No Site Name	p	716	751	vv
F-5879A	NA 5166c	No Site Name	p	681	755	vv
F-5542	NA 5166c	No Site Name	p	649	757	vv
F-5538	NA 5166c	No Site Name	p	678	762	vv
F-5876	NA 5166c	No Site Name	p	715	768	vv
F-5874	NA 5166c	No Site Name	p	727	769	vv
F-5540	NA 5166c	No Site Name	p	731	770	vv
F-5881A	NA 5166c	No Site Name	p	715	770	vv
F-5888	NA 5166c	No Site Name	p	728	770	vv
F-5545	NA 5166c	No Site Name	p	691	775	vv
F-5539	NA 5166c	No Site Name	p	704	772	rB
F-5544	NA 5166c	No Site Name	p	728	775	r
F-5881	NA 5166c	No Site Name	p	730	775	r
F-5879	NA 5166c	No Site Name	p	709	775	r
F-5882	NA 5166c	No Site Name	p	730	775	r
F-5814	NA 5167b	No Site Name	p	830	910	++vv
F-5797	NA 5168	Red Hill Site	N/A	846	993	vv
F-5798	NA 5168	Red Hill Site	N/A	969	1028	vv
F-5784-6	NA 5168	Red Hill Site	N/A	1002	1042	vv
F-5791	NA 5168	Red Hill Site	N/A	848	1042	vv
F-5555	NA 5168	Red Hill Site	N/A	1005	1064	vv
F-5784-8	NA 5168	Red Hill Site	N/A	1031	1069	vv
F-5784-7	NA 5168	Red Hill Site	N/A	1047	1078	vv
F-5788	NA 5168	Red Hill Site	N/A	1013	1083	vv
F-5784-3	NA 5168	Red Hill Site	N/A	1021	1088	vv
F-5785	NA 5168	Red Hill Site	N/A	1020	1088	vv

F-5784-5	NA 5168	Red Hill Site	N/A	1041	1089	vv
F-5784-4	NA 5168	Red Hill Site	fp	1032	1063	vv
F-5569	NA 5168	Red Hill Site	p	999	1083	vv
F-5802	NA 5168	Red Hill Site	p	1017	1074	vv
F-5567	NA 5168	Red Hill Site	p	876	1010	++vv
F-5800	NA 5168	Red Hill Site	p	958	1044	vv
F-5568	NA 5168	Red Hill Site	p	958	1049	vv
F-5567-1	NA 5168	Red Hill Site	p	960	1050	vv
F-5793	NA 5168	Red Hill Site	p	955	1052	vv
F-5801	NA 5168	Red Hill Site	p	998	1082	vv
F-5792	NA 5168	Red Hill Site	p	998	1085	vv
F-5786	NA 5168	Red Hill Site	p	843	1009	v
F-5784-2	NA 5168	Red Hill Site	p	1056	1093	r
F-5784-1	NA 5168	Red Hill Site	p	1063	1093	r
F-5809	NA 5168	Red Hill Site	p	1032	1075	vv
F-2648	NA 534	Piper's Crater Fort	N/A	1149	1246	v
F-6113	NA 5817	Pollock Site	N/A	1160	1244	++vv
F-6115	NA 5817	Pollock Site	N/A	1162	1262	vv
F-6118	NA 5817	Pollock Site	N/A	1242	1303	vv
F-6211	NA 5866	No Site Name	p	717	813	vv
F-6133	NA 5903	No Site Name	p	618	697	vv
F-6134	NA 5903	No Site Name	p	759	820	vv
THP-10	NA 660	Turkey Hill Pueblo	p	950	997	+vv
THP-1-1	NA 660	Turkey Hill Pueblo	p	1223	1277	vv
THP-1-2	NA 660	Turkey Hill Pueblo	p	1232	1278	vv
THP-9	NA 660	Turkey Hill Pueblo	p	1123	1168	r
TKP-201	NA 700	Two Kivas Site	N/A	1138	1195	vv
TKP-207	NA 700	Two Kivas Site	N/A	1140	1171	vv
TKP-208	NA 700	Two Kivas Site	N/A	1146	1177	vv
TKP-204	NA 700	Two Kivas Site	N/A	1139	1178	vv
TKP-206	NA 700	Two Kivas Site	N/A	1146	1185	vv
TKP-157	NA 700	Two Kivas Site	N/A	1137	1174	vv
TKP-143	NA 700	Two Kivas Site	N/A	1147	1193	vv
TKP-160	NA 700	Two Kivas Site	N/A	1146	1193	vv
TKP-164	NA 700	Two Kivas Site	N/A	1146	1193	vv
TKP-126	NA 700	Two Kivas Site	N/A	1137	1194	v
TKP-170	NA 700	Two Kivas Site	N/A	1144	1194	v
TKP-115	NA 700	Two Kivas Site	N/A	1156	1183	vv
TKP-81	NA 700	Two Kivas Site	N/A	1142	1184	vv
TKP-112	NA 700	Two Kivas Site	N/A	1134	1186	vv
TKP-83	NA 700	Two Kivas Site	N/A	1147	1186	vv

TKP-92	NA 700	Two Kivas Site	N/A	1151	1187	vv
TKP-116	NA 700	Two Kivas Site	N/A	1118	1190	vv
TKP-118	NA 700	Two Kivas Site	N/A	1148	1187	v
TKP-108	NA 700	Two Kivas Site	N/A	1153	1193	r
TKP-234	NA 700	Two Kivas Site	N/A	1154	1192	vv
TKP-238	NA 700	Two Kivas Site	N/A	1137	1172	+vv
TKP-250	NA 700	Two Kivas Site	N/A	1139	1186	r
TKP-241	NA 700	Two Kivas Site	N/A	1159	1188	r
TKP-290	NA 700	Two Kivas Site	N/A	1135	1168	B
TKP-312	NA 700	Two Kivas Site	N/A	1142	1172	vv
TKP-323	NA 700	Two Kivas Site	N/A	1139	1162	v
TKP-58	NA 700	Two Kivas Site	N/A	1169	1204	r
TKP-255	NA 700	Two Kivas Site	N/A	1131	1177	r
TKP-21	NA 700	Two Kivas Site	N/A	1125	1167	vv
TKP-205	NA 700	Two Kivas Site	N/A	1134	1173	vv
TKP-211	NA 700	Two Kivas Site	N/A	1160	1183	vv
TKP-18	NA 700	Two Kivas Site	N/A	1156	1188	vv
TKP-16	NA 700	Two Kivas Site	N/A	1158	1193	vv
TKP-20	NA 700	Two Kivas Site	N/A	1143	1184	v
TKP-22	NA 700	Two Kivas Site	N/A	1124	1186	v
TKP-17	NA 700	Two Kivas Site	N/A	1152	1198	r
TKP-185	NA 700	Two Kivas Site	N/A	1155	1177	vv
TKP-11	NA 700	Two Kivas Site	N/A	1152	1184	vv
TKP-176	NA 700	Two Kivas Site	N/A	1157	1192	vv
TKP-12	NA 700	Two Kivas Site	N/A	1152	1195	vv
TKP-6	NA 700	Two Kivas Site	N/A	1143	1222	++B
TKP-140	NA 700	Two Kivas Site	N/A	1126	1182	v
TKP-127	NA 700	Two Kivas Site	N/A	1145	1193	v
TKP-144	NA 700	Two Kivas Site	N/A	1163	1194	r
TKP-8	NA 700	Two Kivas Site	N/A	1158	1194	v
TKP-122	NA 700	Two Kivas Site	N/A	1152	1195	r
TKP-94	NA 700	Two Kivas Site	N/A	1144	1182	vv
TKP-101	NA 700	Two Kivas Site	N/A	1156	1185	vv
TKP-111	NA 700	Two Kivas Site	N/A	1159	1192	r
TKP-226	NA 700	Two Kivas Site	N/A	1129	1168	vv
TKP-281	NA 700	Two Kivas Site	N/A	1077	1147	+vv
TKP-289	NA 700	Two Kivas Site	N/A	1071	1150	vv
TKP-64	NA 700	Two Kivas Site	N/A	1171	1201	B
TKP-77	NA 700	Two Kivas Site	N/A	1178	1204	B
TKP-74	NA 700	Two Kivas Site	N/A	1152	1206	c
TKP-61	NA 700	Two Kivas Site	N/A	1151	1207	B

TKP-203	NA 700	Two Kivas Site	N/A	1138	1184	vv
TKP-209	NA 700	Two Kivas Site	p	1134	1188	c
TKP-169	NA 700	Two Kivas Site	p	1150	1178	vv
TKP-161	NA 700	Two Kivas Site	p	1160	1188	vv
TKP-168	NA 700	Two Kivas Site	p	1136	1193	vv
TKP-159	NA 700	Two Kivas Site	p	1152	1194	vv
TKP-189	NA 700	Two Kivas Site	p	1168	1191	c
TKP-128	NA 700	Two Kivas Site	p	1150	1192	v
TKP-130	NA 700	Two Kivas Site	p	1160	1194	v
TKP-132	NA 700	Two Kivas Site	p	1138	1194	r
TKP-134	NA 700	Two Kivas Site	p	1157	1194	r
TKP-153	NA 700	Two Kivas Site	p	1160	1194	v
TKP-154	NA 700	Two Kivas Site	p	1156	1194	r
TKP-167	NA 700	Two Kivas Site	p	1138	1194	v
TKP-173	NA 700	Two Kivas Site	p	1163	1194	r
TKP-156	NA 700	Two Kivas Site	p	1152	1197	v
TKP-99	NA 700	Two Kivas Site	p	1138	1176	vv
TKP-87	NA 700	Two Kivas Site	p	1142	1178	vv
TKP-86	NA 700	Two Kivas Site	p	1151	1187	r
TKP-96	NA 700	Two Kivas Site	p	1137	1187	v
TKP-117	NA 700	Two Kivas Site	p	1155	1192	v
TKP-102	NA 700	Two Kivas Site	p	1137	1193	v
TKP-89	NA 700	Two Kivas Site	p	1159	1193	v
TKP-233	NA 700	Two Kivas Site	p	1171	1194	vv
TKP-230	NA 700	Two Kivas Site	p	1173	1195	vv
TKP-214	NA 700	Two Kivas Site	p	1145	1170	r
TKP-217	NA 700	Two Kivas Site	p	1141	1170	r
TKP-219	NA 700	Two Kivas Site	p	1167	1194	r
TKP-222	NA 700	Two Kivas Site	p	1169	1194	r
TKP-229	NA 700	Two Kivas Site	p	1162	1194	r
TKP-220	NA 700	Two Kivas Site	p	1157	1195	r
TKP-264	NA 700	Two Kivas Site	p	1150	1186	vv
TKP-252	NA 700	Two Kivas Site	p	1154	1192	vv
TKP-254	NA 700	Two Kivas Site	p	1156	1193	vv
TKP-240	NA 700	Two Kivas Site	p	1136	1169	r
TKP-245	NA 700	Two Kivas Site	p	1162	1184	r
TKP-258	NA 700	Two Kivas Site	p	1159	1187	v
TKP-262	NA 700	Two Kivas Site	p	1157	1187	r
TKP-263	NA 700	Two Kivas Site	p	1155	1187	r
TKP-248	NA 700	Two Kivas Site	p	1140	1188	r
TKP-243	NA 700	Two Kivas Site	p	1145	1192	v

TKP-246	NA 700	Two Kivas Site	p	1163	1195	v
TKP-288	NA 700	Two Kivas Site	p	1130	1174	B
TKP-319	NA 700	Two Kivas Site	p	1111	1169	vv
TKP-296	NA 700	Two Kivas Site	p	1133	1170	vv
TKP-302	NA 700	Two Kivas Site	p	1142	1172	vv
TKP-314	NA 700	Two Kivas Site	p	1137	1173	vv
TKP-294	NA 700	Two Kivas Site	p	1155	1191	vv
TKP-311	NA 700	Two Kivas Site	p	1148	1195	vv
TKP-309	NA 700	Two Kivas Site	p	1160	1242	vv
TKP-295	NA 700	Two Kivas Site	p	1130	1167	r
TKP-308	NA 700	Two Kivas Site	p	1136	1168	r
TKP-301	NA 700	Two Kivas Site	p	1136	1169	r
TKP-316	NA 700	Two Kivas Site	p	1116	1169	r
TKP-321	NA 700	Two Kivas Site	p	1134	1169	r
TKP-324	NA 700	Two Kivas Site	p	1130	1169	r
TKP-299	NA 700	Two Kivas Site	p	1145	1170	r
TKP-317	NA 700	Two Kivas Site	p	1136	1170	r
TKP-320	NA 700	Two Kivas Site	p	1135	1170	r
TKP-298	NA 700	Two Kivas Site	p	1141	1173	r
TKP-353	NA 700	Two Kivas Site	p	1153	1183	vv
TKP-343	NA 700	Two Kivas Site	p	1141	1188	+vv
TKP-338	NA 700	Two Kivas Site	p	1148	1189	++r
TKP-352	NA 700	Two Kivas Site	p	1146	1186	v
TKP-292	NA 700	Two Kivas Site	p	1139	1188	r
TKP-354	NA 700	Two Kivas Site	p	1150	1192	r
TKP-325	NA 700	Two Kivas Site	p	1156	1193	r
TKP-328	NA 700	Two Kivas Site	p	1153	1193	v
TKP-330	NA 700	Two Kivas Site	p	1158	1193	r
TKP-331	NA 700	Two Kivas Site	p	1157	1193	r
TKP-333	NA 700	Two Kivas Site	p	1165	1193	r
TKP-334	NA 700	Two Kivas Site	p	1164	1193	r
TKP-335	NA 700	Two Kivas Site	p	1150	1193	r
TKP-337	NA 700	Two Kivas Site	p	1159	1193	r
TKP-339	NA 700	Two Kivas Site	p	1158	1193	r
TKP-342	NA 700	Two Kivas Site	p	1152	1193	r
TKP-345	NA 700	Two Kivas Site	p	1158	1193	r
TKP-347	NA 700	Two Kivas Site	p	1164	1193	r
TKP-54	NA 700	Two Kivas Site	p	1162	1204	r
TKP-107	NA 700	Two Kivas Site	p	1131	1193	v
TKP-336	NA 700	Two Kivas Site	p	1131	1186	r
TKP-177	NA 700	Two Kivas Site	p	1136	1167	vv

TKP-163	NA 700	Two Kivas Site	p	1166	1191	vv
TKP-171	NA 700	Two Kivas Site	p	1142	1192	vv
TKP-186	NA 700	Two Kivas Site	p	1157	1192	vv
TKP-4	NA 700	Two Kivas Site	p	1153	1194	vv
TKP-147	NA 700	Two Kivas Site	p	1141	1170	r
TKP-191	NA 700	Two Kivas Site	p	1153	1178	c
TKP-2	NA 700	Two Kivas Site	p	1164	1188	r
TKP-155	NA 700	Two Kivas Site	p	1165	1189	v
TKP-180	NA 700	Two Kivas Site	p	1167	1191	c
TKP-188	NA 700	Two Kivas Site	p	1159	1191	c
TKP-192	NA 700	Two Kivas Site	p	1170	1191	c
TKP-181	NA 700	Two Kivas Site	p	1166	1192	c
TKP-184	NA 700	Two Kivas Site	p	1169	1192	v
TKP-7	NA 700	Two Kivas Site	p	1147	1192	c
TKP-178	NA 700	Two Kivas Site	p	1156	1193	v
TKP-175	NA 700	Two Kivas Site	p	1149	1194	r
TKP-9	NA 700	Two Kivas Site	p	1153	1194	v
TKP-104	NA 700	Two Kivas Site	p	1144	1184	vv
TKP-100	NA 700	Two Kivas Site	p	1148	1187	vv
TKP-103	NA 700	Two Kivas Site	p	1162	1188	vv
TKP-109	NA 700	Two Kivas Site	p	1151	1188	vv
TKP-120	NA 700	Two Kivas Site	p	1155	1187	v
TKP-88	NA 700	Two Kivas Site	p	1138	1187	c
TKP-215	NA 700	Two Kivas Site	p	1146	1170	r
TKP-259	NA 700	Two Kivas Site	p	1056	1117	vv
TKP-249	NA 700	Two Kivas Site	p	1155	1185	vv
TKP-251	NA 700	Two Kivas Site	p	1149	1184	r
TKP-265	NA 700	Two Kivas Site	p	1165	1188	r
TKP-256	NA 700	Two Kivas Site	p	1151	1191	r
TKP-310	NA 700	Two Kivas Site	p	1153	1188	r
TKP-38	NA 700	Two Kivas Site	p	1168	1199	vv
TKP-75	NA 700	Two Kivas Site	p	1167	1201	vv
TKP-62	NA 700	Two Kivas Site	p	1165	1204	_
TKP-26	NA 700	Two Kivas Site	p	1142	1201	B
TKP-44	NA 700	Two Kivas Site	p	1163	1201	v
TKP-33	NA 700	Two Kivas Site	p	1163	1204	r
TKP-69	NA 700	Two Kivas Site	p	1169	1204	B
TKP-80	NA 700	Two Kivas Site	p	1174	1204	B
TKP-67	NA 700	Two Kivas Site	p	1163	1207	c
FLG-80	NA 72	Old Cave Pueblo	fp	1134	1253	+v
F-6201	NA 7207	Pershing Site	+-	962	1049	vv

F-6210	NA 7207	Pershing Site	N/A	690	755	vv
F-6202	NA 7207	Pershing Site	N/A	991	1083	v
F-6274	NA 7207	Pershing Site	N/A	985	1042	vv
F-6214	NA 7207	Pershing Site	fp	981	1064	vv
F-6257	NA 7207	Pershing Site	fp	722	754	+vv
F-6231	NA 7207	Pershing Site	p	986	1032	v
F-6233	NA 7207	Pershing Site	p	1010	1063	v
F-6238	NA 7207	Pershing Site	p	991	1063	r
F-6200	NA 7207	Pershing Site	p	1028	1085	v
F-6266	NA 7207	Pershing Site	p	665	715	vv
F-6258	NA 7207	Pershing Site	p	714	759	vv
F-6254	NA 7207	Pershing Site	p	720	766	vv
F-6242	NA 7207	Pershing Site	p	723	760	r
F-6244	NA 7207	Pershing Site	p	690	760	r
F-6251	NA 7207	Pershing Site	p	722	760	v
F-6259	NA 7207	Pershing Site	p	704	760	r
F-6268	NA 7207	Pershing Site	p	731	760	r
F-6269	NA 7207	Pershing Site	p	722	760	r
F-6252	NA 7207	Pershing Site	p	725	775	r
WAL-5	NA 730	Walnut Canyon Group	fp	1112	1152	vv
WAL-3	NA 730	Walnut Canyon Group	fp	1170	1210	vv
AIM-10	NA 730	Walnut Canyon Group	fp	1071	1255	vv
F-2385	NA 739A	Walnut Canyon Group	fp	1029	1070	vv
F-2386	NA 739A	Walnut Canyon Group	fp	1063	1092	vv
FLG-9	NA 8507	Flagstaff Interstate East Group	+-	703	1009	++vv
F-181	NA 862	Medicine Fort	N/A	959	1033	vv
F-223	NA 862	Medicine Fort	N/A	737	793	vv
F-209	NA 862	Medicine Fort	N/A	970	1034	vv
F-246	NA 862	Medicine Fort	N/A	692	789	vv
F-310	NA 862	Medicine Fort	N/A	766	901	vv
DMF-3	NA 862	Medicine Fort	fp	963	1007	vv
DMF-4	NA 862	Medicine Fort	fp	993	1048	v
F-133	NA 862	Medicine Fort	fp	971	995	vv
F-124	NA 862	Medicine Fort	fp	956	1043	r
F-199	NA 862	Medicine Fort	fp	843	918	vv
F-235	NA 862	Medicine Fort	fp	858	932	vv
F-234	NA 862	Medicine Fort	fp	978	1043	vv
F-319	NA 862	Medicine Fort	fp	739	827	vv
F-266	NA 862	Medicine Fort	fp	1003	1049	vv
F-265	NA 862	Medicine Fort	fp	975	1045	v
F-103	NA 862	Medicine Fort	p	1021	1054	r

F-179	NA 862	Medicine Fort	P	965	996	vv
F-207	NA 862	Medicine Fort	p	787	860	vv
F-215	NA 862	Medicine Fort	p	993	1031	vv
F-198	NA 862	Medicine Fort	p	954	1032	vv
F-228	NA 862	Medicine Fort	p	1009	1059	vv
F-201	NA 862	Medicine Fort	p	968	1049	r
F-197	NA 862	Medicine Fort	p	1002	1058	r
F-205	NA 862	Medicine Fort	p	992	1059	r
F-225	NA 862	Medicine Fort	p	979	1010	vv
F-244	NA 862	Medicine Fort	p	964	1011	vv
F-296	NA 862	Medicine Fort	p	995	1032	vv
F-253	NA 862	Medicine Fort	p	933	1033	++vv
F-268	NA 862	Medicine Fort	p	1030	1052	vv
F-278	NA 862	Medicine Fort	p	1018	1056	vv
F-305	NA 862	Medicine Fort	p	1006	1060	vv
F-274	NA 862	Medicine Fort	p	1029	1063	vv
F-260	NA 862	Medicine Fort	p	1004	1028	v
F-241	NA 862	Medicine Fort	p	986	1047	r
F-88-1	NA 863	Medicine Cave	fp	816	929	vv
FLG-25	NA 8723	Flagstaff Interstate East Group	N/A	939	987	vv
FLG-28	NA 8723	Flagstaff Interstate East Group	p	1046	1084	vv
FLG-29	NA 8723	Flagstaff Interstate East Group	p	1036	1046	vv
FLG-30	NA 8723	Flagstaff Interstate East Group	p	835	893	vv
FLG-51	NA 8735	Flagstaff Interstate East Group	p	962	1001	vv
FLG-48	NA 8735	Flagstaff Interstate East Group	p	943	1012	vv
FLG-70	NA 8737	Flagstaff Interstate East Group	N/A	859	1004	vv
F-5987	NA 886	Le Barron Kiva	p	1016	1042	++v
WRG-1	NA 9032	Wilkins Reservoir Group	N/A	1107	1241	vv
V-1	No Number	Camp Verde Hill Ruin	+-p	1126	1261	vv
CHP-12	No Number	Chavez Pass	N/A	1248	1367	vv
CHP-15	No Number	Chavez Pass	fp	1169	1238	vv
CHP-14	No Number	Chavez Pass	fp	1163	1235	vv
CHP-17	No Number	Chavez Pass	fp	1307	1345	vv
CHP-123	No Number	Chavez Pass	p	1244	1301	vv
CHP-126a,b	No Number	Chavez Pass	p	1116	1231	+vv
CHP-124	No Number	Chavez Pass	p	1243	1298	vv
VER-1	No Number	Verde-Misc. II	p	1064	1173	rB
RRR-1	No Number	Risser Ranch Ruin	N/A	1135	1214	+vv
RRR-13	No Number	Risser Ranch Ruin	N/A	1131	1190	vv
RRR-7	No Number	Risser Ranch Ruin	N/A	1147	1223	+vv
ADT-181	Site MU 38	No Site Name	N/A	857	971	vv

ADT-182	Site MU 38	No Site Name	N/A	1014	1057	vv
ENR-18	Site442-93(OCA)	No Site Name	p	792	856	v
ENR-22	Site442-93(OCA)	No Site Name	p	777	850	++vv
ENR-21	Site442-93(OCA)	No Site Name	p	812	849	r
ENR-23	Site442-93(OCA)	No Site Name	p	762	856	r
ENR-19	Site442-93(OCA)	No Site Name	p	768	827	vv
ENR-49	Site442-93(OCA)	No Site Name	N/A	627	701	vv
ENR-59	Site442-93(OCA)	No Site Name	N/A	655	719	vv
ENR-53	Site442-93(OCA)	No Site Name	N/A	675	758	vv
ENR-51	Site442-93(OCA)	No Site Name	N/A	635	760	vv
ENR-57	Site442-93(OCA)	No Site Name	N/A	714	762	v
ENR-50	Site442-93(OCA)	No Site Name	p	623	709	vv
ENR-52	Site442-93(OCA)	No Site Name	p	705	758	+r

APPENDIX II. TREE-RING SAMPLES QUADRANGLES AND ANALYSIS

Sample Number	Site Number	Control Number	Analyst	Analysis Date
VER-110	AR030401342	3O-003	Not Listed	No Date
VER-82	AR030401342	3O-042	Not Listed	1/6/1994
VER-84	AR030401342	3O-042	Not Listed	1/6/1994
VER-86	AR030401342	3O-042	Not Listed	1/6/1994
VER-74	AR0304021403	3O-028	J. Hannah	1/1/1966
VER-75	AR0304021403	3O-028	J. Hannah	1/1/1966
VER-77	AR0304021403	3O-028	J. Hannah	1/1/1966
VER-73	AR0304021403	3O-028	J. Hannah	1/1/1966
VER-78	AR0304021403	3O-028	Not Listed	7/25/2000
VER-165	AR0304021403	3O-028	Not Listed	7/25/2000
VER-79	AR0304021403	3O-028	Not Listed	7/25/2000
VER-80	AR0304021403	3O-032	Not Listed	No Date
VER-158	AR030406134	3O-039	Not Listed	6/12/1979
VER-156	AR030406134	3O-039	Not Listed	6/12/1979
FLX-6	AR0312041066	3O-039	Not Listed	6/12/1979
FLX-26	AR0312041067	3O-039	Not Listed	6/12/1979
FLX-14	AR0312041067	3I-141	Not Listed	10/4/1978
FLX-27	AR0312041067	3I-141	Not Listed	10/4/1978
FLX-8	AR0312041067	3I-141	Not Listed	10/4/1978
ADT-20	AZ I:1:17(ASM)	3I-141	Not Listed	10/4/1978
ADT-71	AZ I:1:17(ASM)	3I-141	Not Listed	10/4/1978
ADT-9	AZ I:1:17(ASM)	3I-141	Not Listed	3/23/1981
ADT-83	AZ I:1:17(ASM)	3I-141	Not Listed	10/4/1978
ADT-6	AZ I:1:17(ASM)	3I-141	Not Listed	10/4/1978
ADT-136	AZ I:1:17(ASM)	3O-038	Not Listed	5/23/1981
ADT-131	AZ I:1:17(ASM)	3O-038	Not Listed	5/23/1981
ADT-64	AZ I:1:17(ASM)	3O-043	DOB	8/11/1995
ADT-152	AZ I:1:17(ASM)	3O-043	DOB	8/14/1995
ADT-41	AZ I:1:17(ASM)	3O-043	DOB	8/14/1995
ADT-153	AZ I:1:17(ASM)	3O-043	DOB	8/14/1995
ADT-48	AZ I:1:17(ASM)	3O-043	DOB	8/14/1995
ADT-110	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-160	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-164	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-172	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-149	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-150	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85

ADT-142	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-128	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-93	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-55	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-174	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-137,145	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-90	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-40	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-106	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-173	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-141	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-176	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-129	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-100	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-133	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-78	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-8	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-18	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-17	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-14	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-15	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-11	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-12	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-10	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-38	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-30	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-99	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-35	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-5	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-21	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-33	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-3	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-16	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-101	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-111	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-112	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-96	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-95	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-155	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-147	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-146	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85

ADT-77	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-75	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-151	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-134	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-76	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-157	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-158	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-54	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-66	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-144	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-166	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-53	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-72	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-159	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-177	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-139	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-132	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-135	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-74	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-154	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-47	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-60	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-61	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-43	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-57	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-65	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-25	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-24	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-23	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-42	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-63	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-117	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-81,82	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-50	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-27	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-109	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-165	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-169	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
ADT-31	AZ I:1:17(ASM)	3I-138	Not Listed	Apr-85
GRA-5a,b	AZ I:1:21(ASM)	3I-138	Not Listed	Apr-85
GRA-4	AZ I:1:21(ASM)	3I-138	Not Listed	Apr-85

CHP-96	AZ O:4:1 (ASU)	3I-138	Not Listed	Apr-85
CHP-98	AZ O:4:1 (ASU)	3I-138	Not Listed	Apr-85
CHP-90	AZ O:4:1 (ASU)	3I-138	Not Listed	Apr-85
CHP-122	AZ O:4:1 (ASU)	3I-138	Not Listed	Apr-85
CHP-119	AZ O:4:1 (ASU)	3I-138	Not Listed	Apr-85
CHP-120	AZ O:4:1 (ASU)	3I-138	Not Listed	Apr-85
CHP-121	AZ O:4:1 (ASU)	3I-138	Not Listed	Apr-85
CHP-91	AZ O:4:1 (ASU)	3I-138	Not Listed	Apr-85
CHP-80	AZ O:4:1 (ASU)	3I-138	Not Listed	Apr-85
CHP-87	AZ O:4:1 (ASU)	3I-138	Not Listed	Apr-85
CHP-61	AZ O:4:1 (ASU)	3I-139	DOB	Oct-85
CHP-114	AZ O:4:2 (ASU)	3I-139	DOB	Oct-85
CHP-103	AZ O:4:3 (ASU)	3O-028	Not Listed	10/8/1981
CHP-100	AZ O:4:3 (ASU)	3O-028	Not Listed	10/8/1981
CHP-102	AZ O:4:3 (ASU)	3O-028	Not Listed	10/8/1981
CHP-104	AZ O:4:3 (ASU)	3O-028	Not Listed	7/25/2000
CHP-105	AZ O:4:3 (ASU)	3O-028	Not Listed	7/25/2000
CHP-99	AZ O:4:3 (ASU)	3O-028	Not Listed	7/25/2000
CHP-101	AZ O:4:3 (ASU)	3O-028	Not Listed	7/25/2000
CHP-101	AZ O:4:3 (ASU)	3O-028	Not Listed	10/8/1981
CHP-106	AZ O:4:3 (ASU)	3O-028	Not Listed	11/8/1979
CHP-109	AZ O:4:5 (ASU)	3O-028	Not Listed	11/8/1979
CHP-110	AZ O:4:5 (ASU)	3O-028	Not Listed	2/21/1978
CHP-111	AZ O:4:5 (ASU)	3O-028	Not Listed	10/1/1982
ADT-219	MU 125	3O-028	Not Listed	10/1/1982
ADT-206	MU 125	3O-028	Not Listed	10/1/1982
ADT-205	MU 125	3O-028	Not Listed	10/1/1982
ADT-221	MU 125	3O-028	Not Listed	10/1/1982
ADT-214	MU 125	3O-028	Not Listed	10/1/1982
ADT-220	MU 125	3O-028	Not Listed	10/1/1982
ADT-210	MU 125	3O-028	Not Listed	10/1/1982
ADT-204	MU 125	3O-028	Not Listed	10/1/1982
ADT-201	MU 125	3O-028	Not Listed	10/1/1982
ADT-215	MU 125	3O-028	Not Listed	10/1/1982
ADT-218	MU 125	3O-028	Not Listed	10/1/1982
ADT-197	MU 125	3O-028	Not Listed	10/1/1982
ADT-202	MU 125	3I-146	Not Listed	2/15/1995
ADT-195	MU 125	3I-146	Not Listed	1/14/1994
ADT-203	MU 125	3I-146	Not Listed	1/14/1994
ADT-209	MU 125	3I-146	Not Listed	2/15/1995
ADT-211	MU 125	3I-146	Not Listed	2/15/1995

ADT-212	MU 125	3I-146	Not Listed	2/15/1995
ADT-223	MU 125	3I-146	Not Listed	2/15/1995
FLG-125-1	NA 10779B	3I-146	Not Listed	1/14/1994
FLG-125-4	NA 10779B	3I-146	Not Listed	9/28/1992
FLG-119	NA 10779B	3I-146	Not Listed	2/15/1995
FLG-118	NA 10779B	3I-146	Not Listed	2/15/1995
FLG-105	NA 10779B	3I-146	Not Listed	9/28/1992
F-1502	NA 1121	3I-146	Not Listed	9/28/1992
F-1503	NA 1121	3I-146	Not Listed	9/28/1992
APS-32	NA 11237	3I-146	Not Listed	9/28/1992
APS-30	NA 11237	3I-146	Not Listed	2/15/1995
APS-46	NA 11237	3I-146	Not Listed	2/15/1995
APS-19	NA 11237	3I-146	Not Listed	2/15/1995
APS-20	NA 11237	3I-146	Not Listed	2/15/1995
APS-22	NA 11237	3I-012	R.L. Warren	Jul-73
APS-15	NA 11237	3I-012	R.L. Warren	Jul-73
APS-16	NA 11237	3I-012	R.L. Warren	Jul-73
APS-17	NA 11237	3I-012	R.L. Warren	Jul-73
APS-14	NA 11237	3I-012	R.L. Warren	Jul-73
APS-48	NA 11237	3I-046	R.L. Warren	Dec-73
APS-63	NA 11237	3I-046	R.L. Warren	Dec-73
APS-51	NA 11237	3H-030	Not Listed	12/12/1974
APS-55	NA 11237	3H-030	Not Listed	12/12/1974
APS-37	NA 11237	3H-030	Not Listed	12/12/1974
APS-38	NA 11237	3H-030	Not Listed	12/12/1974
APS-58	NA 11237	3H-030	Not Listed	12/12/1974
APS-69a-e	NA 11237	3H-030	Not Listed	12/12/1974
APS-62	NA 11237	3H-030	Not Listed	12/12/1974
APS-39	NA 11237	3H-030	Not Listed	12/12/1974
APS-36	NA 11237	3H-030	Not Listed	12/12/1974
APS-23	NA 11237	3H-030	Not Listed	12/12/1974
APS-47	NA 11237	3H-030	Not Listed	12/12/1974
APS-57	NA 11237	3H-030	Not Listed	12/12/1974
APS-65	NA 11237	3H-030	Not Listed	12/12/1974
APS-26	NA 11237	3H-030	Not Listed	12/12/1974
APS-59	NA 11237	3H-030	Not Listed	12/12/1974
APS-43	NA 11237	3H-030	Not Listed	12/12/1974
APS-33	NA 11237	3H-030	Not Listed	12/12/1974
APS-52	NA 11237	3H-030	Not Listed	12/12/1974

APS-25	NA 11237	3H-030	Not Listed	12/12/1974
APS-40	NA 11237	3H-030	Not Listed	12/12/1974
APS-31	NA 11237	3H-030	Not Listed	12/12/1974
APS-41	NA 11237	3H-030	Not Listed	12/12/1974
APS-35	NA 11237	3H-030	Not Listed	12/12/1974
APS-54a-d	NA 11237	3H-030	Not Listed	12/12/1974
APS-24	NA 11237	3H-030	Not Listed	12/12/1974
APS-73a-d	NA 11237	3H-030	Not Listed	12/12/1974
APS-42	NA 11237	3H-030	Not Listed	12/12/1974
APS-50	NA 11237	3H-030	Not Listed	12/12/1974
APS-53	NA 11237	3H-030	Not Listed	12/12/1974
APS-64	NA 11237	3H-030	Not Listed	12/12/1974
APS-61	NA 11237	3H-030	Not Listed	12/12/1974
APS-27	NA 11237	3H-030	Not Listed	12/12/1974
APS-28	NA 11237	3H-030	Not Listed	12/12/1974
APS-44	NA 11237	3H-030	Not Listed	12/12/1974
APS-70	NA 11237	3H-030	Not Listed	12/12/1974
APS-71a, b	NA 11237	3H-030	Not Listed	12/12/1974
APS-72	NA 11237	3H-030	Not Listed	12/12/1974
APS-76a-d	NA 11237	3H-030	Not Listed	12/12/1974
F-31	NA 1138	3H-030	Not Listed	12/12/1974
F-4167	NA 1139	3H-030	Not Listed	12/12/1974
F-4168	NA 1139	3H-030	Not Listed	12/12/1974
F-4170	NA 1139	3H-030	Not Listed	12/12/1974
F-2945	NA 1139	3H-030	Not Listed	12/12/1974
F-2480	NA 117S	3H-030	Not Listed	12/12/1974
F-2476	NA 117V	3H-030	Not Listed	12/12/1974
F-4160	NA 1238	3H-030	Not Listed	12/12/1974
F-591	NA 1238	3H-030	Not Listed	12/12/1974
F-476	NA 1238	3H-030	Not Listed	12/12/1974
F-537	NA 1238	3H-030	Not Listed	12/12/1974
F-506	NA 1238	3H-030	Not Listed	12/12/1974
F-477	NA 1238	3I-010	R.L. Warren	May-73
F-664	NA 1238	3I-073	R.L. Warren	Jan-74
F-493	NA 1238	3I-073	R.L. Warren	Jan-74
F-389	NA 1238	3I-073	R.L. Warren	Jan-74
F-527	NA 1238	3I-073	R.L. Warren	Jan-74
F-433	NA 1238	3I-056	R.L. Warren	Feb-73
F-363	NA 1238	3I-056	R.L. Warren	Feb-73

F-424	NA 1238	3I-048	R.L. Warren	Jan-73
F-349	NA 1238	3I-048	R.L. Warren	Jan-73
F-567	NA 1238	3I-048	R.L. Warren	Jan-73
F-508	NA 1238	3I-048	R.L. Warren	Jan-73
F-496	NA 1238	3I-048	R.L. Warren	Jan-73
F-694	NA 1238	3I-048	R.L. Warren	Jan-73
DNP-2	NA 1238	3I-048	R.L. Warren	Jan-73
DNP-1	NA 1238	3I-048	R.L. Warren	Jan-73
F-697	NA 1238	3I-048	R.L. Warren	Jan-73
F-650	NA 1238	3I-048	R.L. Warren	Jan-73
F-460	NA 1238	3I-048	R.L. Warren	Jan-73
F-348	NA 1238	3I-048	R.L. Warren	Jan-73
F-343	NA 1238	3I-048	R.L. Warren	Jan-73
F-353	NA 1238	3I-048	R.L. Warren	Jan-73
F-432	NA 1238	3I-048	R.L. Warren	Jan-73
F-423	NA 1238	3I-048	R.L. Warren	Jan-73
F-359	NA 1238	3I-048	R.L. Warren	Jan-73
F-355	NA 1238	3I-048	R.L. Warren	Jan-73
F-426	NA 1238	3I-048	R.L. Warren	Jan-73
F-414	NA 1238	3I-048	R.L. Warren	Jan-73
F-1763	NA 1244B	3I-048	R.L. Warren	Jan-73
F-1757	NA 1244B	3I-048	R.L. Warren	Jan-73
F-1725	NA 1244B	3I-048	R.L. Warren	Jan-73
V-121	NA 1251	3I-048	R.L. Warren	Jan-73
V-64	NA 1255	3I-048	R.L. Warren	Jan-73
F-61	NA 1255	3I-048	R.L. Warren	Jan-73
F-2406	NA 1295A	3I-048	R.L. Warren	Jan-73
F-2390	NA 1295A	3I-048	R.L. Warren	Jan-73
F-1030	NA 1296	3I-048	R.L. Warren	Jan-73
EP-5	NA 142	3I-048	R.L. Warren	Jan-73
F-3100	NA 1531	3I-048	R.L. Warren	Jan-73
F-3101	NA 1531	3I-048	R.L. Warren	Jan-73
F-3072	NA 1531	3I-049	R.L. Warren	Dec-73
F-3085	NA 1531	3I-049	R.L. Warren	Dec-73
F-3094	NA 1531	3I-049	R.L. Warren	Dec-73
F-2623	NA 1531	3O-011	Not Listed	No Date
F-2637	NA 1531	3O-004	Not Listed	Mar-66
F-3064	NA 1531	3O-004	Not Listed	Mar-66
F-3076	NA 1531	3I-033	R.L. Warren	Nov-73
F-3073	NA 1531	3I-033	R.L. Warren	Nov-73
F-3081	NA 1531	3I-020	R.L. Warren	Nov-73

F-2629	NA 1531	3I-027	R.L. Warren	Nov-73
F-2625	NA 1531	3I-026	R.L. Warren	Nov-73
F-2621	NA 1531	3I-026	R.L. Warren	Nov-73
F-3061	NA 1531	3I-026	R.L. Warren	Nov-73
F-3087	NA 1531	3I-026	R.L. Warren	Nov-73
F-3093	NA 1531	3I-026	R.L. Warren	Nov-73
F-3088	NA 1531	3I-026	R.L. Warren	Nov-73
F-2636	NA 1531	3I-026	R.L. Warren	Nov-73
F-2613	NA 1531	3I-026	R.L. Warren	Nov-73
F-2612	NA 1531	3I-026	R.L. Warren	Nov-73
F-2446	NA 1570	3I-026	R.L. Warren	Nov-73
F-2435	NA 1570	3I-026	R.L. Warren	Nov-73
F-841	NA 1625B	3I-026	R.L. Warren	Nov-73
F-734	NA 1625B	3I-026	R.L. Warren	Nov-73
F-1526	NA 1625B	3I-026	R.L. Warren	Nov-73
F-1615	NA 1625B	3I-026	R.L. Warren	Nov-73
F-732	NA 1625B	3I-026	R.L. Warren	Nov-73
F-808	NA 1625C	3I-026	R.L. Warren	Nov-73
F-810	NA 1625C	3I-026	R.L. Warren	Nov-73
F-1100	NA 1625C	3I-026	R.L. Warren	Nov-73
F-798	NA 1625C	3I-026	R.L. Warren	Nov-73
F-1344	NA 1625C	3I-026	R.L. Warren	Nov-73
F-1335	NA 1625C	3I-002	R.L. Warren	Jul-73
F-865	NA 1625C	3I-002	R.L. Warren	Jul-73
F-844	NA 1625C	3I-051	R.L. Warren	Sep-73
F-1343	NA 1625C	3I-051	R.L. Warren	Sep-73
F-1125	NA 1625C	3I-051	R.L. Warren	Sep-73
F-1162	NA 1625C	3I-051	R.L. Warren	Sep-73
F-817	NA 1625C	3I-051	R.L. Warren	Sep-73
F-1263	NA 1625C	3I-051	R.L. Warren	Sep-73
F-1453	NA 1625C	3I-051	R.L. Warren	Sep-73
F-1118	NA 1625C	3I-051	R.L. Warren	Sep-73
F-1159	NA 1625C	3I-051	R.L. Warren	Sep-73
F-813	NA 1625C	3I-051	R.L. Warren	Sep-73
F-1108	NA 1625C	3I-051	R.L. Warren	Sep-73
F-1137	NA 1625C	3I-051	R.L. Warren	Sep-73
F-854	NA 1625C	3I-051	R.L. Warren	Sep-73
F-1371	NA 1625C	3I-051	R.L. Warren	Sep-73
F-1379	NA 1625C	3I-051	R.L. Warren	Sep-73
F-1388	NA 1625C	3I-051	R.L. Warren	Sep-73
F-1355	NA 1625C	3I-051	R.L. Warren	Sep-73

F-1417	NA 1625C	3I-051	R.L. Warren	Sep-73
F-791	NA 1625C	3I-051	R.L. Warren	Sep-73
F-792	NA 1625C	3I-051	R.L. Warren	Sep-73
F-1430	NA 1625C	3I-051	R.L. Warren	Sep-73
F-797	NA 1625C	3I-051	R.L. Warren	Sep-73
F-1440	NA 1625C	3I-051	R.L. Warren	Sep-73
KNK-15	NA 1629	3I-051	R.L. Warren	Sep-73
KNK-16	NA 1629	3I-051	R.L. Warren	Sep-73
KNK-11	NA 1629	3I-051	R.L. Warren	Sep-73
KNK-14	NA 1629	3I-051	R.L. Warren	Sep-73
F-4940	NA 1629	3I-051	R.L. Warren	Sep-73
F-4924	NA 1629	3I-051	R.L. Warren	Sep-73
KNK-2	NA 1629	3I-051	R.L. Warren	Sep-73
F-5038	NA 1629	3I-051	R.L. Warren	Sep-73
F-5143	NA 1629	3I-051	R.L. Warren	Sep-73
F-5076	NA 1629	3I-051	R.L. Warren	Sep-73
F-5155	NA 1629	3I-051	R.L. Warren	Sep-73
F-5095	NA 1629	3I-051	R.L. Warren	Sep-73
F-5124	NA 1629	3O-029	Not Listed	5/31/1978
F-5140	NA 1629	3O-029	Not Listed	5/31/1978
F-5165	NA 1629	3O-029	Not Listed	5/31/1978
F-5247	NA 1629	3O-029	Not Listed	5/31/1978
F-5145	NA 1629	3O-029	J. Hannah	1/1/1966
F-5210	NA 1629	3O-029	J. Hannah	1/1/1966
F-5163	NA 1629	3O-029	J. Hannah	1/1/1966
F-4919	NA 1629	3O-029	J. Hannah	1/1/1966
F-4975	NA 1629	3O-029	J. Hannah	1/1/1966
F-5083	NA 1629	3O-029	J. Hannah	1/1/1966
F-5149	NA 1629	3O-029	J. Hannah	1/1/1966
F-5167	NA 1629	3O-029	J. Hannah	1/1/1966
KNK-3	NA 1629	3O-029	J. Hannah	1/1/1966
KNK-7	NA 1629	3O-029	J. Hannah	1/1/1966
KNK-4B	NA 1629	3O-029	J. Hannah	1/1/1966
KNK-6	NA 1629	3O-029	J. Hannah	1/1/1966
F-5156	NA 1629	3O-029	J. Hannah	1/1/1966
F-5127	NA 1629	3O-029	J. Hannah	1/1/1966
F-4968	NA 1629	3O-029	J. Hannah	1/1/1966
F-5147	NA 1629	3O-029	J. Hannah	1/1/1966
F-4915	NA 1629	3O-029	J. Hannah	1/1/1966
F-5251	NA 1629	3O-029	J. Hannah	1/1/1966
KNK-1	NA 1629	3O-029	J. Hannah	1/1/1966

F-4889	NA 1629	3O-029	J. Hannah	1/1/1966
F-4900	NA 1629	3O-029	J. Hannah	1/1/1966
F-4888	NA 1629	3O-029	J. Hannah	1/1/1966
F-5161	NA 1629	3O-029	J. Hannah	1/1/1966
VER-166	NA 1629	3O-029	J. Hannah	1/1/1966
KNK-13	NA 1629	3O-029	J. Hannah	1/1/1966
F-4998	NA 1629	3O-029	J. Hannah	1/1/1966
F-5100	NA 1629	3O-029	J. Hannah	1/1/1966
F-4982	NA 1629	3O-029	J. Hannah	1/1/1966
F-4910	NA 1629	3O-029	J. Hannah	1/1/1966
F-5029	NA 1629	3O-029	J. Hannah	1/1/1966
F-5014	NA 1629	3O-029	J. Hannah	1/1/1966
F-4988	NA 1629	3O-029	J. Hannah	1/1/1966
F-5162	NA 1629	3O-029	J. Hannah	1/1/1966
F-4976	NA 1629	3O-029	J. Hannah	1/1/1966
F-4951	NA 1629	3O-029	J. Hannah	1/1/1966
F-4950	NA 1629	3O-029	Not Listed	2/16/1981
F-5093	NA 1629	3O-029	Not Listed	5/31/1978
F-4952	NA 1629	3O-029	J. Hannah	1/1/1966
F-4948	NA 1629	3O-029	J. Hannah	1/1/1966
F-5185	NA 1629	3O-029	J. Hannah	1/1/1966
F-5187	NA 1629	3O-029	J. Hannah	1/1/1966
F-5253	NA 1629	3O-029	J. Hannah	1/1/1966
F-5195	NA 1629	3O-029	J. Hannah	1/1/1966
F-5220	NA 1629	3O-029	J. Hannah	1/1/1966
F-5106	NA 1629	3O-029	J. Hannah	1/1/1966
F-4978	NA 1629	3O-029	J. Hannah	1/1/1966
F-5077	NA 1629	3O-029	J. Hannah	1/1/1966
F-4953	NA 1629	3O-029	J. Hannah	1/1/1966
F-5250	NA 1629	3O-029	J. Hannah	1/1/1966
F-5040	NA 1629	3O-029	J. Hannah	1/1/1966
F-4891	NA 1629	3O-029	J. Hannah	1/1/1966
F-4925	NA 1629	3O-029	J. Hannah	1/1/1966
F-5182	NA 1629	3O-029	J. Hannah	1/1/1966
F-5236	NA 1629	3O-029	J. Hannah	1/1/1966
F-5025	NA 1629	3O-029	J. Hannah	1/1/1966
F-4895	NA 1629	3O-029	J. Hannah	1/1/1966
F-4913	NA 1629	3O-029	J. Hannah	1/1/1966
F-4914	NA 1629	3O-029	J. Hannah	1/1/1966
F-5026	NA 1629	3O-029	J. Hannah	1/1/1966
F-5039	NA 1629	3O-029	J. Hannah	1/1/1966

F-5046	NA 1629	3O-029	J. Hannah	1/1/1966
F-5235	NA 1629	3O-029	J. Hannah	1/1/1966
F-4894	NA 1629	3O-029	J. Hannah	1/1/1966
F-4147	NA 1629	3O-029	J. Hannah	1/1/1966
F-4957	NA 1629	3O-029	J. Hannah	1/1/1966
F-5094	NA 1629	3O-029	J. Hannah	1/1/1966
F-4886	NA 1629	3O-029	J. Hannah	1/1/1966
F-4898	NA 1629	3O-029	J. Hannah	1/1/1966
F-4936	NA 1629	3O-029	J. Hannah	1/1/1966
F-903	NA 1680	3O-029	J. Hannah	1/1/1966
F-911	NA 1680	3O-029	J. Hannah	1/1/1966
F-774	NA 1680	3O-029	J. Hannah	1/1/1966
F-926	NA 1680	3O-029	J. Hannah	1/1/1966
F-971	NA 1680	3O-029	J. Hannah	1/1/1966
F-916	NA 1680	3O-029	J. Hannah	1/1/1966
F-892	NA 1680	3O-029	J. Hannah	1/1/1966
F-2324	NA 1754	3O-029	J. Hannah	1/1/1966
F-2339	NA 1754	3O-029	J. Hannah	1/1/1966
F-2275	NA 1754	3O-029	J. Hannah	1/1/1966
F-2285	NA 1754	3O-029	J. Hannah	1/1/1966
F-2316	NA 1754	3O-029	J. Hannah	1/1/1966
F-2245	NA 1754	3I-044	R.L. Warren	Jan-74
F-2173	NA 1764A	3I-044	R.L. Warren	Jan-74
F-2113-1	NA 1764A	3I-044	R.L. Warren	Jan-74
F-2174	NA 1764A	3I-044	R.L. Warren	Jan-74
F-2178-2	NA 1764A	3I-044	R.L. Warren	Jan-74
F-2175-1	NA 1764A	3I-044	R.L. Warren	Jan-74
F-2177-1	NA 1764A	3I-044	R.L. Warren	Jan-74
F-2180-1	NA 1764A	3I-031	R.L. Warren	Mar-73
F-2183-1	NA 1764A	3I-031	R.L. Warren	Mar-73
F-2176-2	NA 1764A	3I-031	R.L. Warren	Mar-73
F-2179-1	NA 1764A	3I-031	R.L. Warren	Mar-73
F-2114	NA 1764A	3I-031	R.L. Warren	Mar-73
F-2180-5	NA 1764A	3I-031	R.L. Warren	Mar-73
F-2115	NA 1764A	3I-055	R.L. Warren	Feb-73
F-2195-2	NA 1765	3I-055	R.L. Warren	Feb-73
F-2193-4	NA 1765	3I-055	R.L. Warren	Feb-73
F-2193-7	NA 1765	3I-055	R.L. Warren	Feb-73
F-2195-3	NA 1765	3I-055	R.L. Warren	Feb-73
F-2195-6	NA 1765	3I-055	R.L. Warren	Feb-73
F-2193-3	NA 1765	3I-055	R.L. Warren	Feb-73

F-2193-5	NA 1765	3I-055	R.L. Warren	Feb-73
F-4774	NA 1785	3I-055	R.L. Warren	Feb-73
F-4845	NA 1785	3I-055	R.L. Warren	Feb-73
F-4725	NA 1785	3I-055	R.L. Warren	Feb-73
F-4842	NA 1785	3I-055	R.L. Warren	Feb-73
F-4783	NA 1785	3I-055	R.L. Warren	Feb-73
F-4824	NA 1785	3I-024	R.L. Warren	Nov-73
F-4809	NA 1785	3I-024	R.L. Warren	Nov-73
F-4727	NA 1785	3I-024	R.L. Warren	Nov-73
F-4749	NA 1785	3I-024	R.L. Warren	Nov-73
F-4754	NA 1785	3I-024	R.L. Warren	Nov-73
F-4790	NA 1785	3I-024	R.L. Warren	Nov-73
F-4829	NA 1785	3I-024	R.L. Warren	Nov-73
F-4808	NA 1785	3I-067	R.L. Warren	Jan-74
F-4731	NA 1785	3I-067	R.L. Warren	Jan-74
F-4770	NA 1785	3I-067	R.L. Warren	Jan-74
F-4730	NA 1785	3I-067	R.L. Warren	Jan-74
F-4856	NA 1785	3I-067	R.L. Warren	Jan-74
F-4757	NA 1785	3I-067	R.L. Warren	Jan-74
F-4810	NA 1785	3I-067	R.L. Warren	Jan-74
F-4833	NA 1785	3I-067	R.L. Warren	Jan-74
F-4840	NA 1785	3I-067	R.L. Warren	Jan-74
F-4844	NA 1785	3I-067	R.L. Warren	Jan-74
F-4758	NA 1785	3I-067	R.L. Warren	Jan-74
F-4836	NA 1785	3I-067	R.L. Warren	Jan-74
F-4739	NA 1785	3I-067	R.L. Warren	Jan-74
F-4733	NA 1785	3I-067	R.L. Warren	Jan-74
F-4827	NA 1785	3I-067	R.L. Warren	Jan-74
F-4732	NA 1785	3I-067	R.L. Warren	Jan-74
F-4814	NA 1785	3I-067	R.L. Warren	Jan-74
F-4737	NA 1785	3I-067	R.L. Warren	Jan-74
F-4778	NA 1785	3I-067	R.L. Warren	Jan-74
FLG-252	NA 17957	3I-067	R.L. Warren	Jan-74
FLG-243	NA 17957	3I-067	R.L. Warren	Jan-74
FLG-248	NA 17957	3I-067	R.L. Warren	Jan-74
FLG-247	NA 17957	3I-067	R.L. Warren	Jan-74
FLG-249	NA 17957	3I-067	R.L. Warren	Jan-74
FLG-250	NA 17957	3I-067	R.L. Warren	Jan-74
FLG-255	NA 17957	3I-067	R.L. Warren	Jan-74
FLG-244	NA 17957	3I-067	R.L. Warren	Jan-74
WAP-44	NA 181	3I-067	R.L. Warren	Jan-74

WAP-59	NA 181	3I-067	R.L. Warren	Jan-74
WAP-46	NA 181	3I-067	R.L. Warren	Jan-74
WAP-49	NA 181	3I-067	R.L. Warren	Jan-74
WAP-50	NA 181	3I-140	Not Listed	1/12/1987
WAP-41	NA 181	3I-140	Not Listed	5/5/1986
WAP-51	NA 181	3I-140	Not Listed	5/5/1986
F-2106-6	NA 1814	3I-140	Not Listed	5/5/1986
F-2094	NA 1814	3I-140	Not Listed	5/5/1986
F-2015	NA 1814C	3I-140	Not Listed	1/12/1987
F-2211	NA 1814C	3I-140	Not Listed	1/12/1987
F-2226	NA 1814C	3I-140	Not Listed	5/5/1986
F-2016	NA 1814C	3I-151	RLW	4/29/1998
F-2106-2	NA 1814C	3I-151	RLW	4/29/1998
F-2101-2	NA 1814C	3I-151	RLW	4/29/1998
F-2215	NA 1814C	3I-151	RLW	4/29/1998
F-2087	NA 1814C	3I-151	RLW	4/29/1998
F-2102	NA 1814C	3I-151	RLW	4/29/1998
F-2105	NA 1814C	3I-151	RLW	4/29/1998
F-2088	NA 1814C	3I-035	R.L. Warren	Apr-73
F-2106-3	NA 1814C	3I-035	R.L. Warren	Apr-73
F-2214	NA 1814C	3I-035	R.L. Warren	Apr-73
F-2100	NA 1814C	3I-035	R.L. Warren	Apr-73
F-2081	NA 1814C	3I-033	R.L. Warren	Apr-73
F-2196-1	NA 1814E	3I-035	R.L. Warren	Apr-73
F-5472-1	NA 1814E	3I-035	R.L. Warren	Apr-73
F-5469	NA 1814E	3I-035	R.L. Warren	Apr-73
F-2186	NA 1814E	3I-035	R.L. Warren	Apr-73
F-2110	NA 1814E	3I-035	R.L. Warren	Apr-73
F-2112-3	NA 1814E	3I-033	R.L. Warren	Apr-73
F-2112-1	NA 1814E	3I-035	R.L. Warren	Apr-73
F-2112-2	NA 1814E	3I-035	R.L. Warren	Apr-73
F-2190	NA 1814E	3I-035	R.L. Warren	Apr-73
F-5468	NA 1814E	3I-035	R.L. Warren	Apr-73
F-5472-2	NA 1814E	3I-033	R.L. Warren	Apr-73
F-2241	NA 1814E	3I-033	R.L. Warren	Apr-73
F-2189	NA 1814E	3I-035	R.L. Warren	Apr-73
F-2185	NA 1814E	3I-035	R.L. Warren	Apr-73
F-1645-2	NA 1918	3I-035	R.L. Warren	Apr-73
F-1219	NA 192	3I-035	R.L. Warren	Apr-73
F-1207	NA 192	3I-035	R.L. Warren	Apr-73
F-1172	NA 192	3I-035	R.L. Warren	Apr-73

F-1177	NA 192	3I-035	R.L. Warren	Apr-73
F-829	NA 192	3I-035	R.L. Warren	Apr-73
F-824	NA 192	3I-035	R.L. Warren	Apr-73
GP-1577	NA 192	3I-035	R.L. Warren	Apr-73
F-783	NA 192	3I-035	R.L. Warren	Apr-73
F-745	NA 192	3I-035	R.L. Warren	Apr-73
F-1658	NA 1920B	3I-035	R.L. Warren	Apr-73
F-1662	NA 1920B	3I-035	R.L. Warren	Apr-73
F-1656	NA 1920B	3I-004	R.L. Warren	Aug-73
F-3466	NA 1920B	3I-007	R.L. Warren	Feb-73
F-1667	NA 1920B	3I-007	R.L. Warren	Feb-73
F-1666	NA 1920B	3I-007	R.L. Warren	Feb-73
F-1688	NA 1920B	3I-007	R.L. Warren	Feb-73
F-1674	NA 1920B	3I-007	R.L. Warren	Feb-73
F-1651	NA 1920B	3I-007	R.L. Warren	Feb-73
F-3463	NA 1920B	3I-007	R.L. Warren	Feb-73
F-3490	NA 1922A	3I-007	R.L. Warren	Feb-73
F-3492	NA 1922A	3I-007	R.L. Warren	Feb-73
F-2451	NA 1925B	3I-004	R.L. Warren	Aug-73
F-2450	NA 1925B	3I-004	R.L. Warren	Aug-73
F-2444	NA 1925B	3I-004	R.L. Warren	Aug-73
F-2454	NA 1927A	3I-004	R.L. Warren	Aug-73
F-2463	NA 1927A	3I-004	R.L. Warren	Aug-73
F-2355	NA 1959	3I-004	R.L. Warren	Aug-73
F-2350	NA 1959	3I-004	R.L. Warren	Aug-73
F-2382	NA 1959	3I-004	R.L. Warren	Aug-73
F-2371	NA 1959	3I-004	R.L. Warren	Aug-73
F-2377-2	NA 1959	3I-004	R.L. Warren	Aug-73
F-2374	NA 1959	3I-004	R.L. Warren	Aug-73
F-2365	NA 1959	3I-004	R.L. Warren	Aug-73
F-2361	NA 1959	3I-004	R.L. Warren	Aug-73
F-2368	NA 1959	3I-004	R.L. Warren	Aug-73
F-1789	NA 2001	3I-004	R.L. Warren	Aug-73
F-1822	NA 2001	3I-004	R.L. Warren	Aug-73
F-1792	NA 2001	3I-004	R.L. Warren	Aug-73
F-2169	NA 2001	3I-018	R.L. Warren	Aug-73
F-2171-1	NA 2001	3I-018	R.L. Warren	Aug-73
F-1818	NA 2001	3I-018	R.L. Warren	Aug-73
F-1787	NA 2001	3I-018	R.L. Warren	Aug-73
F-1799	NA 2001	3I-018	R.L. Warren	Aug-73
F-2159	NA 2001	3I-018	R.L. Warren	Aug-73

F-1812	NA 2001	3I-018	R.L. Warren	Aug-73
F-1969	NA 2001	3I-018	R.L. Warren	Aug-73
F-1811	NA 2001	3I-018	R.L. Warren	Aug-73
F-1780	NA 2001	3I-052	R.L. Warren	Apr-73
F-1770	NA 2001	3I-052	R.L. Warren	Apr-73
F-1977	NA 2002	3I-052	R.L. Warren	Apr-73
F-1833	NA 2002	3I-052	R.L. Warren	Apr-73
F-2209	NA 2002	3I-052	R.L. Warren	Apr-73
F-1999	NA 2002	3I-052	R.L. Warren	Apr-73
F-2001	NA 2002	3I-052	R.L. Warren	Apr-73
F-2210	NA 2002	3I-052	R.L. Warren	Apr-73
F-2001	NA 2002	3I-052	R.L. Warren	Apr-73
F-1888	NA 2002	3I-052	R.L. Warren	Apr-73
F-2055-2	NA 2002	3I-052	R.L. Warren	Apr-73
F-2008	NA 2002	3I-052	R.L. Warren	Apr-73
F-1995	NA 2002	3I-052	R.L. Warren	Apr-73
F-2045	NA 2002	3I-052	R.L. Warren	Apr-73
F-2000	NA 2002	3I-053	R.L. Warren	Mar-73
F-2037	NA 2002	3I-053	R.L. Warren	Mar-73
F-1986	NA 2002	3I-053	R.L. Warren	Mar-73
F-2004-2	NA 2002	3I-053	R.L. Warren	Mar-73
F-2009	NA 2002	3I-053	R.L. Warren	Mar-73
F-1925	NA 2002	3I-053	R.L. Warren	Mar-73
F-1940	NA 2002	3I-053	R.L. Warren	Mar-73
F-1905	NA 2002	3I-053	R.L. Warren	Mar-73
F-1866	NA 2002	3I-053	R.L. Warren	Mar-73
F-2051	NA 2002	3I-053	R.L. Warren	Mar-73
F-1949-2	NA 2002	3I-053	R.L. Warren	Mar-73
F-1981	NA 2002	3I-053	R.L. Warren	Mar-73
F-1988	NA 2002	3I-053	R.L. Warren	Mar-73
F-2065	NA 2002	3I-053	R.L. Warren	Mar-73
F-2047	NA 2002	3I-053	R.L. Warren	Mar-73
F-2061	NA 2002	3I-053	R.L. Warren	Mar-73
F-2048	NA 2002	3I-053	R.L. Warren	Mar-73
F-2030	NA 2002	3I-053	R.L. Warren	Mar-73
F-2208	NA 2002	3I-053	R.L. Warren	Mar-73
F-2053	NA 2002	3I-053	R.L. Warren	Mar-73
F-2003	NA 2002	3I-053	R.L. Warren	Mar-73
F-1976	NA 2002	3I-053	R.L. Warren	Mar-73
F-1881	NA 2002	3I-053	R.L. Warren	Mar-73
F-1926-3	NA 2002	3I-053	R.L. Warren	Mar-73

F-1935	NA 2002	3I-053	R.L. Warren	Mar-73
F-2031	NA 2002	3I-053	R.L. Warren	Mar-73
F-2046-3	NA 2002	3I-053	R.L. Warren	Mar-73
F-2055-3	NA 2002	3I-053	R.L. Warren	Mar-73
F-2034	NA 2002	3I-053	R.L. Warren	Mar-73
F-1917	NA 2002	3I-053	R.L. Warren	Mar-73
F-1854	NA 2002	3I-053	R.L. Warren	Mar-73
F-1851	NA 2002	3I-053	R.L. Warren	Mar-73
F-1897	NA 2002	3I-053	R.L. Warren	Mar-73
F-2006	NA 2002	3I-053	R.L. Warren	Mar-73
F-1942	NA 2002	3I-053	R.L. Warren	Mar-73
F-1941	NA 2002	3I-053	R.L. Warren	Mar-73
F-1832	NA 2002	3I-053	R.L. Warren	Mar-73
F-2122	NA 2004A	3I-053	R.L. Warren	Mar-73
F-2139-2	NA 2004A	3I-053	R.L. Warren	Mar-73
F-2130	NA 2004A	3I-053	R.L. Warren	Mar-73
F-2125	NA 2004A	3I-053	R.L. Warren	Mar-73
F-2136	NA 2004A	3I-053	R.L. Warren	Mar-73
F-2139-1	NA 2004A	3I-053	R.L. Warren	Mar-73
F-2140	NA 2004A	3I-053	R.L. Warren	Mar-73
F-2237	NA 2004B	3I-053	R.L. Warren	Mar-73
COH-16	NA 20619	3I-053	R.L. Warren	Mar-73
COH-50	NA 20619	3I-053	R.L. Warren	Mar-73
COH-39a,b	NA 20619	3I-053	R.L. Warren	Mar-73
COH-47a,b	NA 20619	3I-053	R.L. Warren	Mar-73
COH-2abc	NA 20619	3I-054	R.L. Warren	May-73
COH-1ab	NA 20619	3I-054	R.L. Warren	May-73
COH-23	NA 20619	3I-054	R.L. Warren	May-73
COH-26	NA 20619	3I-054	R.L. Warren	May-73
COH-10ab	NA 20619	3I-054	R.L. Warren	May-73
COH-20ab	NA 20619	3I-054	R.L. Warren	May-73
COH-30a,b,c	NA 20619	3I-054	R.L. Warren	May-73
COH-58a,b	NA 20619	3I-054	R.L. Warren	May-73
COH-42a,b	NA 20619	3H-031	DOB	8/21/1997
COH-45a-d	NA 20619	3H-031	RLW	Nov-98

COH-52	NA 20619	3H-031	RLW	Nov-98
COH-60	NA 20619	3H-031	RLW	Nov-98
COH-6	NA 20619	3H-031	DOB	5/6/1990
COH-12ab	NA 20619	3H-031	DOB	5/6/1990
COH-17ab	NA 20619	3H-031	DOB	8/21/1997
COH-24	NA 20619	3H-031	DOB	8/21/1997
COH-18	NA 20619	3H-031	DOB	5/6/1990
COH-13	NA 20619	3H-031	DOB	8/21/1997
COH-31a,b	NA 20619	3H-031	RLW	Nov-98
COH-59a,b	NA 20619	3H-031	RLW	Nov-98
COH-37	NA 20619	3H-031	RLW	Nov-98
COH-49a,b,c	NA 20619	3H-031	RLW	Nov-98
COH-48a,b	NA 20619	3H-031	RLW	Nov-98
COH-41	NA 20619	3H-031	RLW	Dec-98
COH-44a,b	NA 20619	3H-031	DOB	5/6/1990
COH-33a,b,c,d	NA 20619	3H-031	DOB	5/6/1990
FLG-258	NA 20700	3H-031	DOB	8/21/1997
FLG-260	NA 20700	3H-031	DOB	8/21/1997
FLG-263	NA 20700	3H-031	DOB	8/21/1997
FLG-257	NA 20700	3H-031	DOB	8/21/1997
FLG-261	NA 20700	3H-031	RLW	Nov-98
FLG-256	NA 20700	3H-031	RLW	Nov-98
FLG-329	NA 21103	3H-031	RLW	Nov-98
FLG-331a-d	NA 21103	3H-031	RLW	Nov-98
FLG-328	NA 21104	3H-031	RLW	Nov-98
F-4398	NA 2133	3H-031	RLW	Nov-98
F-4502	NA 2133A	3H-031	RLW	Nov-98
F-4509	NA 2133A	3H-031	RLW	Nov-98
F-4510	NA 2133A	3I-142	Not Listed	6/14/1991
F-4549	NA 2133A	3I-142	Not Listed	6/14/1991
F-4584	NA 2133A	3I-142	Not Listed	6/14/1991
F-4524	NA 2133A	3I-142	Not Listed	6/14/1991
F-4531	NA 2133A	3I-142	Not Listed	6/14/1991
F-4545	NA 2133A	3I-142	Not Listed	6/14/1991
F-4544	NA 2133A	3I-153	RLW	Feb-99

F-4556	NA 2133A	3I-153	RLW	Feb-99
F-4532	NA 2133A	3I-152	RLW	Feb-99
F-4552	NA 2133A	3I-075	R.L. Warren	Feb-74
F-4555	NA 2133A	3I-075	R.L. Warren	Feb-74
F-4535	NA 2133A	3I-075	R.L. Warren	Feb-74
F-4561	NA 2133A	3I-075	R.L. Warren	Feb-74
F-4531	NA 2133A	3I-075	R.L. Warren	Feb-74
F-4589	NA 2133A	3I-075	R.L. Warren	Feb-74
F-4487	NA 2133A	3I-075	R.L. Warren	Feb-74
F-4520	NA 2133A	3I-075	R.L. Warren	Feb-74
F-4566	NA 2133A	3I-075	R.L. Warren	Feb-74
F-4716	NA 2133A	3I-075	R.L. Warren	Feb-74
F-4518	NA 2133A	3I-075	R.L. Warren	Feb-74
F-4517	NA 2133A	3I-075	R.L. Warren	Feb-74
F-4579	NA 2133A	3I-075	R.L. Warren	Feb-74
F-4498	NA 2133A	3I-075	R.L. Warren	Feb-74
F-4569	NA 2133A	3I-075	R.L. Warren	Feb-74
F-4506	NA 2133A	3I-075	R.L. Warren	Feb-74
F-4504	NA 2133A	3I-075	R.L. Warren	Feb-74
F-4541	NA 2133A	3I-075	R.L. Warren	Feb-74
F-4526	NA 2133A	3I-075	R.L. Warren	Feb-74
F-4491	NA 2133A	3I-075	R.L. Warren	Feb-74
F-4574	NA 2133A	3I-075	R.L. Warren	Feb-74
F-4550	NA 2133A	3I-075	R.L. Warren	Feb-74
F-4402	NA 2133B	3I-075	R.L. Warren	Feb-74
F-4457	NA 2133D	3I-075	R.L. Warren	Feb-74
F-4419	NA 2133D	3I-075	R.L. Warren	Feb-74
F-4440	NA 2133D	3I-075	R.L. Warren	Feb-74
F-4448	NA 2133D	3I-075	R.L. Warren	Feb-74
F-4426	NA 2133D	3I-075	R.L. Warren	Feb-74
F-4435	NA 2133D	3I-075	R.L. Warren	Feb-74
F-4412	NA 2133D	3I-075	R.L. Warren	Feb-74
F-4428	NA 2133D	3I-075	R.L. Warren	Feb-74
F-4425	NA 2133D	3I-075	R.L. Warren	Feb-74
F-4451	NA 2133D	3I-075	R.L. Warren	Feb-74
F-4416	NA 2133D	3I-075	R.L. Warren	Feb-74
F-4682	NA 2133G	3I-075	R.L. Warren	Feb-74
F-4677	NA 2133G	3I-075	R.L. Warren	Feb-74
F-3676	NA 2134A	3I-075	R.L. Warren	Feb-74
F-3674-2	NA 2134A	3I-075	R.L. Warren	Feb-74
F-3671	NA 2134A	3I-075	R.L. Warren	Feb-74

F-4277	NA 2134A	3I-075	R.L. Warren	Feb-74
F-3674-1	NA 2134A	3I-075	R.L. Warren	Feb-74
F-3623	NA 2134A	3I-075	R.L. Warren	Feb-74
F-3603	NA 2134A	3I-075	R.L. Warren	Feb-74
F-3622	NA 2134A	3I-075	R.L. Warren	Feb-74
F-3659	NA 2134A	3I-075	R.L. Warren	Feb-74
F-3621	NA 2134A	3I-075	R.L. Warren	Feb-74
F-3677	NA 2134A	3I-075	R.L. Warren	Feb-74
F-3611	NA 2134A	3I-075	R.L. Warren	Feb-74
F-3673	NA 2134A	3I-075	R.L. Warren	Feb-74
F-3608	NA 2134A	3I-075	R.L. Warren	Feb-74
F-3599	NA 2134A	3I-075	R.L. Warren	Feb-74
F-3601	NA 2134A	3I-075	R.L. Warren	Feb-74
F-3618	NA 2134A	3I-075	R.L. Warren	Feb-74
F-4858	NA 2134B	3I-075	R.L. Warren	Feb-74
F-4859	NA 2134B	3I-075	R.L. Warren	Feb-74
F-4472	NA 2134E.1	3I-075	R.L. Warren	Feb-74
F-4470	NA 2134E.1	3I-075	R.L. Warren	Feb-74
F-4877	NA 2134T	3I-075	R.L. Warren	Feb-74
F-4875	NA 2134T	3I-075	R.L. Warren	Feb-74
F-3514	NA 2134T	3I-075	R.L. Warren	Feb-74
F-4594	NA 2134T	3I-075	R.L. Warren	Feb-74
F-4700	NA 2135C	3I-075	R.L. Warren	Feb-74
F-4699	NA 2135C	3I-075	R.L. Warren	Feb-74
F-4687	NA 2135C	3I-075	R.L. Warren	Feb-74
F-4692	NA 2135C	3I-075	R.L. Warren	Feb-74
F-4686	NA 2135C	3I-075	R.L. Warren	Feb-74
F-4689	NA 2135C	3I-075	R.L. Warren	Feb-74
F-4694	NA 2135C	3I-075	R.L. Warren	Feb-74
F-4695	NA 2135C	3I-075	R.L. Warren	Feb-74
COLC-1	NA 219	3I-075	R.L. Warren	Feb-74
F-2646	NA 2218	3I-075	R.L. Warren	Feb-74
F-4050	NA 2551	3I-075	R.L. Warren	Feb-74
F-3402	NA 2551	3I-075	R.L. Warren	Feb-74
F-4097	NA 2551	3I-075	R.L. Warren	Feb-74
F-3976	NA 2551	3I-075	R.L. Warren	Feb-74
F-4036	NA 2551	3I-075	R.L. Warren	Feb-74
F-4040	NA 2551	3I-075	R.L. Warren	Feb-74
FLG-332a,b	NA 25751	3I-075	R.L. Warren	Feb-74
FLG-339	NA 25751	3I-075	R.L. Warren	Feb-74
WAP-35	NA 25777	3I-075	R.L. Warren	Feb-74

WAP-36,37	NA 25777	3I-075	R.L. Warren	Feb-74
FLG-340	NA 25779	3I-017	R.L. Warren	Nov-73
FLG-345	NA 25779	3I-023	R.L. Warren	May-73
FLG-343	NA 25779	3I-001	R.L. Warren	Jun-73
FLG-346	NA 25779	3I-001	R.L. Warren	Jun-73
FLG-348	NA 25779	3I-001	R.L. Warren	Jun-73
F-3960	NA 2797	3I-001	R.L. Warren	Jun-73
F-3953	NA 2797	3I-001	R.L. Warren	Jun-73
F-4000	NA 2798	3I-001	R.L. Warren	Jun-73
F-3983-2	NA 2798	3I-154	RLW	Feb-99
F-3996	NA 2798	3I-154	RLW	Feb-99
F-3993	NA 2798	3I-149	RLW	4/29/1998
F-3992	NA 2798	3I-149	RLW	4/29/1998
F-4089	NA 2798	3I-150	RLW	Feb-99
F-3995	NA 2798	3I-150	RLW	Feb-99
F-4015	NA 2798	3I-150	RLW	Feb-99
F-3997	NA 2798	3I-150	RLW	Feb-99
F-4095	NA 2798	3I-150	RLW	Feb-99
F-4007	NA 2798	3I-001	R.L. Warren	Jun-73
F-4003	NA 2798	3I-001	R.L. Warren	Jun-73
F-4020	NA 2798	3I-001	R.L. Warren	Jun-73
F-3984	NA 2798	3I-001	R.L. Warren	Jun-73
F-4013	NA 2798	3I-001	R.L. Warren	Jun-73
F-4102	NA 2798	3I-001	R.L. Warren	Jun-73
F-3987	NA 2798	3I-001	R.L. Warren	Jun-73
F-4084	NA 2800	3I-001	R.L. Warren	Jun-73
F-4060	NA 2800	3I-001	R.L. Warren	Jun-73
F-4073	NA 2800	3I-001	R.L. Warren	Jun-73
F-4076	NA 2800	3I-001	R.L. Warren	Jun-73
F-4083	NA 2800	3I-001	R.L. Warren	Jun-73
F-3416	NA 2800	3I-001	R.L. Warren	Jun-73
F-4070	NA 2800	3I-001	R.L. Warren	Jun-73
F-4072	NA 2800	3I-001	R.L. Warren	Jun-73
F-4068	NA 2800	3I-001	R.L. Warren	Jun-73
F-4069	NA 2800	3I-001	R.L. Warren	Jun-73
F-3412	NA 2800	3I-001	R.L. Warren	Jun-73
F-4058	NA 2800	3I-001	R.L. Warren	Jun-73
F-3415	NA 2800	3I-001	R.L. Warren	Jun-73
F-4053	NA 2800	3I-001	R.L. Warren	Jun-73
F-4052	NA 2800	3I-001	R.L. Warren	Jun-73
F-4079	NA 2800	3I-001	R.L. Warren	Jun-73

F-4062	NA 2800	3I-001	R.L. Warren	Jun-73
F-4078	NA 2800	3I-001	R.L. Warren	Jun-73
F-4080	NA 2800	3I-001	R.L. Warren	Jun-73
F-3443	NA 3056	3I-001	R.L. Warren	Jun-73
F-3450	NA 3056	3I-001	R.L. Warren	Jun-73
F-2353	NA 310	3I-001	R.L. Warren	Jun-73
F-1611	NA 323	3I-001	R.L. Warren	Jun-73
F-3683	NA 333	3I-001	R.L. Warren	Jun-73
WAL-4	NA 334C	3I-001	R.L. Warren	Jun-73
CIT-3	NA 355	3I-001	R.L. Warren	Jun-73
CIT-1	NA 355	3I-001	R.L. Warren	Jun-73
F-4395	NA 3577	3I-001	R.L. Warren	Jun-73
F-4713	NA 3577	3I-001	R.L. Warren	Jun-73
F-4712	NA 3577	3I-001	R.L. Warren	Jun-73
F-4711	NA 3577	3I-001	R.L. Warren	Jun-73
F-5573	NA 3577	3I-006	R.L. Warren	Aug-73
F-5627	NA 3577	3I-006	R.L. Warren	Aug-73
F-5594	NA 3577	3I-071	R.L. Warren	Dec-73
F-5651	NA 3577	3I-071	R.L. Warren	Dec-73
F-5718	NA 3577	3I-071	R.L. Warren	Dec-73
F-4388	NA 3577	3I-071	R.L. Warren	Dec-73
F-5583	NA 3577	3I-014	R.L. Warren	Oct-73
F-5607A	NA 3577	3I-014	R.L. Warren	Oct-73
F-5610	NA 3577	3H-009	Not Listed	No Date
F-5628	NA 3577	3H-009	Not Listed	No Date
F-5654	NA 3577	3H-009	Not Listed	No Date
F-6774	NA 3577	3H-009	Not Listed	No Date
F-4379	NA 3577	3H-009	Not Listed	No Date
F-4377	NA 3577	3H-009	Not Listed	No Date
F-4705	NA 3577	3H-009	Not Listed	No Date
F-4706	NA 3577	3H-009	Not Listed	No Date
F-4715	NA 3577	3H-009	Not Listed	No Date
F-5655	NA 3577	3H-009	Not Listed	No Date
F-5696	NA 3577	3H-009	Not Listed	No Date
F-5680	NA 3577	3H-009	Not Listed	No Date
F-4384	NA 3577	3H-009	Not Listed	No Date
F-5721A	NA 3577	3H-009	Not Listed	No Date
F-5675	NA 3577	3H-009	Not Listed	No Date
F-5683	NA 3577	3H-009	Not Listed	No Date
F-5664	NA 3577	3H-009	Not Listed	No Date
F-4703	NA 3577	3H-009	Not Listed	No Date

F-5631	NA 3577	3H-009	Not Listed	No Date
F-5607B	NA 3577	3H-009	Not Listed	No Date
F-5586	NA 3577	3H-009	Not Listed	No Date
F-5636	NA 3577	3H-009	Not Listed	No Date
F-5584	NA 3577	3H-009	Not Listed	No Date
F-5589	NA 3577	3H-009	Not Listed	No Date
F-5702	NA 3577	3H-009	Not Listed	No Date
F-5708	NA 3577	3H-009	Not Listed	No Date
F-5659	NA 3577	3H-009	Not Listed	No Date
F-5678	NA 3577	3H-009	Not Listed	No Date
F-5665A	NA 3577	3H-009	Not Listed	No Date
F-5714	NA 3577	3H-009	Not Listed	No Date
F-5685	NA 3577	3H-009	Not Listed	No Date
F-5686A	NA 3577	3H-009	Not Listed	No Date
F-4380	NA 3577	3H-009	Not Listed	No Date
F-4378	NA 3577	3H-009	Not Listed	No Date
F-5704	NA 3577	3H-009	Not Listed	No Date
F-5679	NA 3577	3H-009	Not Listed	No Date
F-5697	NA 3577	3H-009	Not Listed	No Date
F-5653	NA 3577	3H-009	Not Listed	No Date
F-6776	NA 3577	3H-009	Not Listed	No Date
F-4268	NA 358	3H-009	Not Listed	No Date
F-3286	NA 358	3H-009	Not Listed	No Date
F-5741	NA 3580	3H-009	Not Listed	No Date
F-5742	NA 3580	3H-009	Not Listed	No Date
F-5735	NA 3580	3H-009	Not Listed	No Date
F-5734	NA 3580	3H-009	Not Listed	No Date
F-5730	NA 3580	3H-009	Not Listed	No Date
F-5728	NA 3580	3H-009	Not Listed	No Date
F-5739	NA 3580	3H-009	Not Listed	No Date
F-4718	NA 3644A.1	3H-009	Not Listed	No Date
F-4475	NA 3644C	3H-009	Not Listed	No Date
F-4482	NA 3644C	3H-009	Not Listed	No Date
F-4474	NA 3644C	3I-062	R.L. Warren	Oct-73
F-4476	NA 3644C	3I-062	R.L. Warren	Oct-73
F-4640	NA 3644J	3H-010	Not Listed	No Date
F-4637	NA 3644J	3H-010	Not Listed	No Date
F-4638	NA 3644J	3H-010	Not Listed	No Date
F-4645	NA 3644K	3H-010	Not Listed	No Date
F-4622	NA 3644M	3H-010	Not Listed	No Date
F-4615	NA 3644M	3H-010	Not Listed	No Date

F-4633	NA 3644M	3H-010	Not Listed	No Date
F-4617	NA 3644M	3I-075	R.L. Warren	Feb-74
F-4616	NA 3644M	3I-075	R.L. Warren	Feb-74
F-4613	NA 3644P	3I-075	R.L. Warren	Feb-74
F-4614	NA 3644P	3I-075	R.L. Warren	Feb-74
F-4610	NA 3644P	3I-075	R.L. Warren	Feb-74
F-4662	NA 3644Q	3I-075	R.L. Warren	Feb-74
F-4659	NA 3644Q	3I-075	R.L. Warren	Feb-74
F-4846	NA 3673T*	3I-075	R.L. Warren	Feb-74
F-4850	NA 3673T*	3I-075	R.L. Warren	Feb-74
F-4753	NA 3673T*	3I-075	R.L. Warren	Feb-74
F-4874	NA 3673T*	3I-075	R.L. Warren	Feb-74
F-4855	NA 3673T*	3I-075	R.L. Warren	Feb-74
F-4860	NA 3674R	3I-075	R.L. Warren	Feb-74
F-4861	NA 3674R	3I-075	R.L. Warren	Feb-74
F-5340-2	NA 3996	3I-075	R.L. Warren	Feb-74
F-5284	NA 3996	3I-075	R.L. Warren	Feb-74
F-5271	NA 3996	3I-075	R.L. Warren	Feb-74
WPT-362	NA 405	3I-075	R.L. Warren	Feb-74
WPT-533	NA 405	3I-075	R.L. Warren	Feb-74
WPT-530	NA 405	3I-067	R.L. Warren	Jan-74
WPT-518	NA 405	3I-067	R.L. Warren	Jan-74
WPT-503	NA 405	3I-067	R.L. Warren	Jan-74
F-3766	NA 405	3I-067	R.L. Warren	Jan-74
F-5455	NA 405	3I-067	R.L. Warren	Jan-74
F-3829	NA 405	3I-067	R.L. Warren	Jan-74
F-2351	NA 405	3I-067	R.L. Warren	Jan-74
F-4210	NA 405	3I-013	R.L. Warren	Feb-73
F-1613 A-C	NA 405	3I-013	R.L. Warren	Feb-73
F-2947	NA 405	3I-013	R.L. Warren	Feb-73
WPT-253-1	NA 405	3I-077	Not Listed	No Date
WPT-253-3	NA 405	3I-077	Not Listed	No Date
WPT-253-4	NA 405	3I-077	Not Listed	No Date
WPT-331	NA 405	3I-077	Not Listed	No Date
F-3792	NA 405	3I-077	Not Listed	No Date
F-3713	NA 405	3I-077	Not Listed	No Date
F-3778	NA 405	3I-077	Not Listed	No Date
F-3729	NA 405	3I-077	Not Listed	No Date
F-3737	NA 405	3I-077	Not Listed	No Date

F-2587	NA 405	3I-077	Not Listed	No Date
F-3832	NA 405	3I-077	Not Listed	No Date
WPT-65	NA 405	3I-077	Not Listed	No Date
WPT-133 A-D	NA 405	3I-077	Not Listed	No Date
WPT-2	NA 405	3I-077	Not Listed	No Date
F-2524	NA 405	3I-077	Not Listed	No Date
WPT-392	NA 405	3I-077	Not Listed	No Date
F-3703	NA 405	3I-077	Not Listed	No Date
F-3017	NA 405	3I-077	Not Listed	No Date
WPT-158	NA 405	3I-077	Not Listed	No Date
WPT-162 A,B	NA 405	3I-077	Not Listed	No Date
F-2995	NA 405	3I-077	Not Listed	No Date
WPT-483	NA 405	3I-077	Not Listed	No Date
F-4202	NA 405	3I-077	Not Listed	No Date
F-3708	NA 405	3I-077	Not Listed	No Date
WPT-240	NA 405	3I-077	Not Listed	No Date
WPT-229	NA 405	3I-077	Not Listed	No Date
WPT-30	NA 405	3I-077	Not Listed	No Date
WPT-87	NA 405	3I-077	Not Listed	No Date
F-3853	NA 405	3I-077	Not Listed	No Date
F-3871	NA 405	3I-077	Not Listed	No Date
F-2983	NA 405	3I-077	Not Listed	No Date
F-3741	NA 405	3I-077	Not Listed	No Date
F-3815	NA 405	3I-077	Not Listed	No Date
F-3884	NA 405	3I-077	Not Listed	No Date
WPT-239	NA 405	3I-077	Not Listed	No Date
F-2235	NA 405	3I-077	Not Listed	No Date
F-2540	NA 405	3I-077	Not Listed	No Date
F-2525	NA 405	3I-077	Not Listed	No Date
WPT-261	NA 405	3I-077	Not Listed	No Date
F-2980	NA 405	3I-077	Not Listed	No Date
WPT-322 A,B	NA 405	3I-077	Not Listed	No Date
F-3746	NA 405	3I-077	Not Listed	No Date
F-3755-1	NA 405	3I-077	Not Listed	No Date
F-3781	NA 405	3I-077	Not Listed	No Date
F-3903	NA 405	3I-077	Not Listed	No Date
WPT-343	NA 405	3I-077	Not Listed	No Date
WPT-132 A,B	NA 405	3I-077	Not Listed	No Date
WPT-109	NA 405	3I-077	Not Listed	No Date

F-2522	NA 405	3I-077	Not Listed	No Date
F-2547	NA 405	3I-077	Not Listed	No Date
F-1614	NA 405	3I-077	Not Listed	No Date
WPT-2525	NA 405	3I-077	Not Listed	No Date
WPT-29	NA 405	3I-077	Not Listed	No Date
WPT-4	NA 405	3I-077	Not Listed	No Date
F-2990	NA 405	3I-077	Not Listed	No Date
WPT-1	NA 405	3I-077	Not Listed	No Date
F-2536	NA 405	3I-077	Not Listed	No Date
F-3705	NA 405	3I-077	Not Listed	No Date
F-2948	NA 405	3I-077	Not Listed	No Date
F-3213	NA 405	3I-077	Not Listed	No Date
F-3215	NA 405	3I-077	Not Listed	No Date
F-3010	NA 405	3I-077	Not Listed	No Date
F-3007	NA 405	3I-077	Not Listed	No Date
F-3016	NA 405	3I-077	Not Listed	No Date
F-3009	NA 405	3I-077	Not Listed	No Date
F-3022	NA 405	3I-077	Not Listed	No Date
WPT-136	NA 405	3I-077	Not Listed	No Date
WPT-155	NA 405	3I-077	Not Listed	No Date
F-2984	NA 405	3I-077	Not Listed	No Date
WPT-161	NA 405	3I-077	Not Listed	No Date
WPT-163	NA 405	3I-077	Not Listed	No Date
F-3849	NA 405	3I-077	Not Listed	No Date
WPT-413	NA 405	3I-077	Not Listed	No Date
F-3704	NA 405	3I-077	Not Listed	No Date
WPT-251	NA 405	3I-077	Not Listed	No Date
WPT-252 A,B	NA 405	3I-077	Not Listed	No Date
WPT-13	NA 405	3I-077	Not Listed	No Date
WPT-19 A-D	NA 405	3I-077	Not Listed	No Date
WPT-15 A,B	NA 405	3I-077	Not Listed	No Date
WPT-18	NA 405	3I-077	Not Listed	No Date
WPT-33	NA 405	3I-077	Not Listed	No Date
F-3875	NA 405	3I-077	Not Listed	No Date
F-3725	NA 405	3I-077	Not Listed	No Date
F-3858	NA 405	3I-077	Not Listed	No Date
WPT-24 A,B	NA 405	3I-077	Not Listed	No Date
WPT-3	NA 405	3I-077	Not Listed	No Date

WPT-31	NA 405	3I-077	Not Listed	No Date
F-3886	NA 405	3I-077	Not Listed	No Date
F-3784	NA 405	3I-077	Not Listed	No Date
F-3813	NA 405	3I-077	Not Listed	No Date
WPT-67	NA 405	3I-077	Not Listed	No Date
WPT-75	NA 405	3I-077	Not Listed	No Date
WPT-54	NA 405	3I-077	Not Listed	No Date
F-3749-2	NA 405	3I-077	Not Listed	No Date
F-3758	NA 405	3I-077	Not Listed	No Date
F-3761	NA 405	3I-077	Not Listed	No Date
F-3807	NA 405	3I-077	Not Listed	No Date
F-3862	NA 405	3I-077	Not Listed	No Date
F-3905	NA 405	3I-077	Not Listed	No Date
F-2519	NA 405	3I-077	Not Listed	No Date
WPT-51	NA 405	3I-077	Not Listed	No Date
WPT-129	NA 405	3I-077	Not Listed	No Date
WPT-107 A,B	NA 405	3I-077	Not Listed	No Date
F-2535	NA 405	3I-077	Not Listed	No Date
WPT-354	NA 405	3I-077	Not Listed	No Date
F-2538	NA 405	3I-077	Not Listed	No Date
WPT-345	NA 405	3I-077	Not Listed	No Date
WPT-81	NA 405	3I-077	Not Listed	No Date
WPT-32	NA 405	3I-077	Not Listed	No Date
WPT-383	NA 405	3I-077	Not Listed	No Date
F-3822	NA 405	3I-077	Not Listed	No Date
WPT-44-2 A,B	NA 405	3I-077	Not Listed	No Date
WPT-128	NA 405	3I-077	Not Listed	No Date
WPT-127	NA 405	3I-077	Not Listed	No Date
F-3747	NA 405	3I-077	Not Listed	No Date
WPT-341	NA 405	3I-077	Not Listed	No Date
F-3216	NA 405	3I-077	Not Listed	No Date
F-2973	NA 405	3I-077	Not Listed	No Date
F-3048	NA 405	3I-077	Not Listed	No Date
F-3030	NA 405	3I-077	Not Listed	No Date
WPT-138 A,B	NA 405	3I-077	Not Listed	No Date
F-3736	NA 405	3I-077	Not Listed	No Date
F-3923	NA 405	3I-077	Not Listed	No Date
F-3709	NA 405	3I-077	Not Listed	No Date
WPT-148	NA 405	3I-077	Not Listed	No Date

WPT-145	NA 405	3I-077	Not Listed	No Date
WPT-144	NA 405	3I-077	Not Listed	No Date
WPT-147	NA 405	3I-077	Not Listed	No Date
F-2964	NA 405	3I-077	Not Listed	No Date
WPT-143	NA 405	3I-077	Not Listed	No Date
WPT-154	NA 405	3I-077	Not Listed	No Date
F-2985	NA 405	3I-077	Not Listed	No Date
F-2982	NA 405	3I-077	Not Listed	No Date
F-2993	NA 405	3I-077	Not Listed	No Date
F-3002	NA 405	3I-077	Not Listed	No Date
F-2996	NA 405	3I-077	Not Listed	No Date
WPT-475	NA 405	3I-077	Not Listed	No Date
WPT-228	NA 405	3I-077	Not Listed	No Date
F-3669	NA 405	3I-077	Not Listed	No Date
F-3706	NA 405	3I-077	Not Listed	No Date
F-3707	NA 405	3I-077	Not Listed	No Date
WPT-255 A,B	NA 405	3I-077	Not Listed	No Date
F-3702	NA 405	3I-077	Not Listed	No Date
WPT-21-1	NA 405	3I-077	Not Listed	No Date
WPT-27	NA 405	3I-077	Not Listed	No Date
WPT-46	NA 405	3I-077	Not Listed	No Date
WPT-104	NA 405	3I-077	Not Listed	No Date
WPT-90-2	NA 405	3I-077	Not Listed	No Date
WPT-100 A,B	NA 405	3I-077	Not Listed	No Date
F-3891-1	NA 405	3I-077	Not Listed	No Date
F-2532	NA 405	3I-077	Not Listed	No Date
F-3836	NA 405	3I-077	Not Listed	No Date
F-3859	NA 405	3I-077	Not Listed	No Date
F-3748	NA 405	3I-077	Not Listed	No Date
F-3868	NA 405	3I-077	Not Listed	No Date
F-3895	NA 405	3I-077	Not Listed	No Date
F-2234	NA 405	3I-077	Not Listed	No Date
F-3902	NA 405	3I-077	Not Listed	No Date
F-3847	NA 405	3I-077	Not Listed	No Date
F-1011	NA 408A	3I-077	Not Listed	No Date
F-999	NA 408A	3I-077	Not Listed	No Date
F-713	NA 408A	3I-077	Not Listed	No Date
F-832	NA 408A	3I-077	Not Listed	No Date
F-721	NA 408A	3I-077	Not Listed	No Date

F-717	NA 408A	3I-077	Not Listed	No Date
F-1040	NA 408A	3I-077	Not Listed	No Date
F-1024	NA 408A	3I-077	Not Listed	No Date
WAP-12	NA 420	3I-077	Not Listed	No Date
WAP-20	NA 420	3I-077	Not Listed	No Date
WAP-9,27	NA 420	3I-077	Not Listed	No Date
WAP-10	NA 420	3I-077	Not Listed	No Date
WAP-25	NA 420	3I-033	R.L. Warren	Nov-73
WAP-14	NA 420	3I-033	R.L. Warren	Nov-73
WAP-29	NA 420	3I-033	R.L. Warren	Nov-73
WAP-26	NA 420	3I-033	R.L. Warren	Nov-73
WAP-18	NA 420	3I-033	R.L. Warren	Nov-73
WAP-13	NA 420	3I-033	R.L. Warren	Nov-73
WAP-6	NA 420	3I-033	R.L. Warren	Nov-73
WAP-7	NA 420	3I-033	R.L. Warren	Nov-73
WAP-2	NA 420	3I-?	RLW	4/29/1998
WAP-23	NA 420	3I-?	RLW	4/29/1998
WAP-15	NA 420	3I-?	RLW	4/29/1998
WAP-3	NA 420	3I-?	RLW	4/29/1998
WAP-4	NA 420	3I-?	RLW	4/29/1998
F-4264	NA 4264	3I-?	RLW	4/29/1998
F-6182	NA 4265	3I-?	RLW	4/29/1998
FLG-78	NA 4265	3I-?	RLW	4/29/1998
F-6092	NA 4317	3I-?	RLW	4/29/1998
F-6773	NA 4317	3I-?	RLW	4/29/1998
F-6032	NA 4317	3I-?	RLW	4/29/1998
F-6041	NA 4317	3I-?	RLW	4/29/1998
F-6107	NA 4317	3I-?	RLW	4/29/1998
F-6030	NA 4317	3I-?	RLW	4/29/1998
F-6036	NA 4317	3I-?	RLW	4/29/1998
F-6037	NA 4317	3I-?	RLW	4/29/1998
F-6124B	NA 4317	3I-?	RLW	4/29/1998
F-6089	NA 4317	3I-058	R.L. Warren	Jan-74
F-6044	NA 4317	3I-059	R.L. Warren	Dec-73
F-6087	NA 4317	3I-059	R.L. Warren	Dec-73
F-6049	NA 4317	3O-030	Not Listed	No Date
F-6028	NA 4317	3O-030	Not Listed	No Date
F-6042	NA 4317	3O-030	Not Listed	No Date
F-6018	NA 4317	3O-030	Not Listed	No Date
F-6125	NA 4317	3O-030	Not Listed	No Date
F-6054B	NA 4317	3O-030	Not Listed	No Date

F-6019	NA 4317	3O-030	Not Listed	No Date
F-6035B	NA 4317	3O-030	Not Listed	No Date
F-6035A	NA 4317	3O-030	Not Listed	No Date
F-6024	NA 4317	3O-030	Not Listed	No Date
F-6043	NA 4317	3O-030	Not Listed	No Date
F-6112	NA 4317	3O-030	Not Listed	No Date
F-6102	NA 4317	3O-030	Not Listed	No Date
F-5564	NA 5137	3O-030	Not Listed	No Date
F-5916	NA 5137	3O-030	Not Listed	No Date
F-5566	NA 5137	3O-030	Not Listed	No Date
F-5910-1	NA 5137	3O-030	Not Listed	No Date
F-5920	NA 5137	3O-030	Not Listed	No Date
F-5916-1	NA 5137	3O-030	Not Listed	No Date
F-5916-3	NA 5137	3O-030	Not Listed	No Date
F-5918	NA 5137	3O-030	Not Listed	No Date
F-5917	NA 5137	3O-030	Not Listed	No Date
F-5918-1	NA 5137	3O-030	Not Listed	No Date
F-5858?	NA 5149	3O-030	Not Listed	No Date
F-5563	NA 5149	3O-030	Not Listed	No Date
F-6979	NA 5149	3H-012	Not Listed	No Date
F-5561	NA 5149	3H-012	Not Listed	No Date
F-5843	NA 5149	3H-012	Not Listed	No Date
F-5871	NA 5149	3H-012	Not Listed	No Date
F-5852	NA 5149	3H-012	Not Listed	No Date
F-6777	NA 5149	3H-012	Not Listed	No Date
F-5847	NA 5149	3H-012	Not Listed	No Date
F-5557	NA 5149	3H-012	Not Listed	No Date
F-5868	NA 5149	3H-012	Not Listed	No Date
F-5560	NA 5149	3H-012	Not Listed	No Date
F-5867	NA 5149	3H-013	Not Listed	No Date
F-5556	NA 5149	3H-013	Not Listed	No Date
F-5870	NA 5149	3H-013	Not Listed	No Date
F-5847-1	NA 5149	3H-013	Not Listed	No Date
F-5860	NA 5149	3H-013	Not Listed	No Date
F-5858	NA 5149	3H-013	Not Listed	No Date
F-5560	NA 5149	3H-013	Not Listed	No Date
F-5847-2	NA 5149	3H-013	Not Listed	No Date
F-5845	NA 5149	3H-013	Not Listed	No Date
F-5854-1	NA 5149	3H-013	Not Listed	No Date
F-5855	NA 5149	3H-013	Not Listed	No Date
F-5844	NA 5149	3H-013	Not Listed	No Date

F-5842	NA 5149	3H-013	Not Listed	No Date
F-5559	NA 5149	3H-013	Not Listed	No Date
APS-2	NA 5150	3H-013	Not Listed	No Date
F-5901	NA 5150B	3H-013	Not Listed	No Date
F-5897	NA 5150B	3H-013	Not Listed	No Date
F-5898	NA 5150B	3H-013	Not Listed	No Date
F-5900	NA 5150B	3H-013	Not Listed	No Date
F-5899	NA 5150B	3H-013	Not Listed	No Date
F-5904-1	NA 5155	3H-013	Not Listed	No Date
F-5908	NA 5155	3H-013	Not Listed	No Date
F-5904	NA 5155	3H-013	Not Listed	No Date
F-5550	NA 5159	3H-013	Not Listed	No Date
F-5547	NA 5159	3H-013	Not Listed	No Date
F-5549	NA 5159	3H-013	Not Listed	No Date
F-5923	NA 5159	3H-015	Not Listed	12/9/1974
F-5551	NA 5159	3H-015	Not Listed	No Date
F-5546	NA 5159	3H-015	Not Listed	No Date
F-5752	NA 5160	3H-015	Not Listed	No Date
F-5774	NA 5160	3H-015	Not Listed	No Date
F-5779	NA 5160	3H-015	Not Listed	No Date
F-5756	NA 5160	3H-016	Not Listed	No Date
F-5758	NA 5160	3H-016	Not Listed	No Date
F-5749-1	NA 5160	3H-016	Not Listed	No Date
F-5749	NA 5160	3H-002	Hannah	May-66
F-5771	NA 5160	3H-002	Hannah	May-66
F-5769	NA 5160	3H-002	Hannah	May-66
F-5753	NA 5160	3H-002	Hannah	May-66
F-5748	NA 5160	3H-002	Hannah	May-66
F-5750	NA 5160	3H-002	Hannah	May-66
F-5770	NA 5160	3H-011	Not Listed	No Date
F-5755	NA 5160	3H-011	Not Listed	No Date
F-5781	NA 5160	3H-011	Not Listed	No Date
F-5780	NA 5160	3H-011	Not Listed	No Date
F-5757	NA 5160	3H-011	Not Listed	No Date
F-5831	NA 5161	3H-011	Not Listed	No Date
F-5824	NA 5161	3H-011	Not Listed	No Date
F-5832-1	NA 5161	3H-011	Not Listed	No Date
F-5823-1	NA 5161	3H-011	Not Listed	No Date
F-5832	NA 5161	3H-011	Not Listed	No Date
F-5821	NA 5161	3H-011	Not Listed	No Date
F-5823	NA 5161	3H-011	Not Listed	No Date

F-5875	NA 5166c	3H-011	Not Listed	No Date
F-5877	NA 5166c	3H-011	Not Listed	No Date
F-5896	NA 5166c	3H-011	Not Listed	No Date
F-5536	NA 5166c	3H-011	Not Listed	No Date
F-5535	NA 5166c	3H-011	Not Listed	No Date
F-5535-1	NA 5166c	3H-017	Not Listed	No Date
F-5880A	NA 5166c	3H-017	Not Listed	No Date
F-5879A	NA 5166c	3H-017	Not Listed	No Date
F-5542	NA 5166c	3H-017	Not Listed	No Date
F-5538	NA 5166c	3H-017	Not Listed	No Date
F-5876	NA 5166c	3H-017	Not Listed	No Date
F-5874	NA 5166c	3H-017	Not Listed	No Date
F-5540	NA 5166c	3H-003	R.L. Warren	No Date
F-5881A	NA 5166c	3H-003	R.L. Warren	No Date
F-5888	NA 5166c	3H-003	R.L. Warren	No Date
F-5545	NA 5166c	3H-003	R.L. Warren	No Date
F-5539	NA 5166c	3H-003	R.L. Warren	No Date
F-5544	NA 5166c	3H-003	R.L. Warren	No Date
F-5881	NA 5166c	3H-003	R.L. Warren	No Date
F-5879	NA 5166c	3H-003	R.L. Warren	No Date
F-5882	NA 5166c	3H-003	R.L. Warren	No Date
F-5814	NA 5167b	3H-003	R.L. Warren	No Date
F-5797	NA 5168	3H-003	R.L. Warren	No Date
F-5798	NA 5168	3H-003	R.L. Warren	No Date
F-5784-6	NA 5168	3H-003	R.L. Warren	No Date
F-5791	NA 5168	3H-003	R.L. Warren	No Date
F-5555	NA 5168	3H-003	R.L. Warren	No Date
F-5784-8	NA 5168	3H-003	R.L. Warren	No Date
F-5784-7	NA 5168	3H-003	R.L. Warren	No Date
F-5788	NA 5168	3H-003	R.L. Warren	No Date
F-5784-3	NA 5168	3H-003	R.L. Warren	No Date
F-5785	NA 5168	3H-003	R.L. Warren	No Date
F-5784-5	NA 5168	3H-003	R.L. Warren	No Date
F-5784-4	NA 5168	3H-005	Not Listed	No Date
F-5569	NA 5168	3H-006	J. Hannah	No Date
F-5802	NA 5168	3H-006	J. Hannah	No Date
F-5567	NA 5168	3H-006	J. Hannah	No Date
F-5800	NA 5168	3H-006	J. Hannah	No Date
F-5568	NA 5168	3H-006	J. Hannah	No Date
F-5567-1	NA 5168	3H-006	J. Hannah	No Date
F-5793	NA 5168	3H-006	J. Hannah	No Date

F-5801	NA 5168	3H-006	J. Hannah	No Date
F-5792	NA 5168	3H-006	J. Hannah	No Date
F-5786	NA 5168	3H-006	J. Hannah	No Date
F-5784-2	NA 5168	3H-006	J. Hannah	No Date
F-5784-1	NA 5168	3H-006	J. Hannah	No Date
F-5809	NA 5168	3H-006	J. Hannah	No Date
F-2648	NA 534	3H-006	J. Hannah	No Date
F-6113	NA 5817	3H-006	J. Hannah	No Date
F-6115	NA 5817	3H-006	J. Hannah	No Date
F-6118	NA 5817	3H-006	J. Hannah	No Date
F-6211	NA 5866	3H-006	J. Hannah	No Date
F-6133	NA 5903	3H-006	J. Hannah	No Date
F-6134	NA 5903	3H-006	J. Hannah	No Date
THP-10	NA 660	3H-006	J. Hannah	No Date
THP-1-1	NA 660	3H-006	J. Hannah	No Date
THP-1-2	NA 660	3H-006	J. Hannah	No Date
THP-9	NA 660	3H-006	J. Hannah	No Date
TKP-201	NA 700	3H-006	J. Hannah	No Date
TKP-207	NA 700	3I-074	R.L. Warren	Jan-74
TKP-208	NA 700	3O-030	Not Listed	No Date
TKP-204	NA 700	3O-030	Not Listed	No Date
TKP-206	NA 700	3O-030	Not Listed	No Date
TKP-157	NA 700	3I-040	R.L. Warren	Jan-74
TKP-143	NA 700	3I-060	R.L. Warren	Sep-73
TKP-160	NA 700	3I-060	R.L. Warren	Sep-73
TKP-164	NA 700	3I-070	R.L. Warren	Jun-73
TKP-126	NA 700	3I-070	R.L. Warren	Jun-73
TKP-170	NA 700	3I-070	R.L. Warren	Jun-73
TKP-115	NA 700	3I-070	R.L. Warren	Jun-73
TKP-81	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-112	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-83	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-92	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-116	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-118	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-108	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-234	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-238	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-250	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-241	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-290	NA 700	3I-079	T.P. Harlan	Sep-64

TKP-312	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-323	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-58	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-255	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-21	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-205	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-211	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-18	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-16	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-20	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-22	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-17	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-185	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-11	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-176	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-12	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-6	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-140	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-127	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-144	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-8	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-122	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-94	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-101	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-111	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-226	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-281	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-289	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-64	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-77	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-74	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-61	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-203	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-209	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-169	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-161	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-168	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-159	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-189	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-128	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-130	NA 700	3I-079	T.P. Harlan	Sep-64

TKP-132	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-134	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-153	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-154	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-167	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-173	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-156	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-99	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-87	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-86	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-96	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-117	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-102	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-89	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-233	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-230	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-214	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-217	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-219	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-222	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-229	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-220	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-264	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-252	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-254	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-240	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-245	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-258	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-262	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-263	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-248	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-243	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-246	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-288	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-319	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-296	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-302	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-314	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-294	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-311	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-309	NA 700	3I-079	T.P. Harlan	Sep-64

TKP-295	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-308	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-301	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-316	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-321	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-324	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-299	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-317	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-320	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-298	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-353	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-343	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-338	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-352	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-292	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-354	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-325	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-328	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-330	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-331	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-333	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-334	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-335	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-337	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-339	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-342	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-345	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-347	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-54	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-107	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-336	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-177	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-163	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-171	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-186	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-4	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-147	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-191	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-2	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-155	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-180	NA 700	3I-079	T.P. Harlan	Sep-64

TKP-188	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-192	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-181	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-184	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-7	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-178	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-175	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-9	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-104	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-100	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-103	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-109	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-120	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-88	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-215	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-259	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-249	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-251	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-265	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-256	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-310	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-38	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-75	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-62	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-26	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-44	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-33	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-69	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-80	NA 700	3I-079	T.P. Harlan	Sep-64
TKP-67	NA 700	3I-079	T.P. Harlan	Sep-64
FLG-80	NA 72	3I-079	T.P. Harlan	Sep-64
F-6201	NA 7207	3I-079	T.P. Harlan	Sep-64
F-6210	NA 7207	3I-079	T.P. Harlan	Sep-64
F-6202	NA 7207	3I-079	T.P. Harlan	Sep-64
F-6274	NA 7207	3I-079	T.P. Harlan	Sep-64
F-6214	NA 7207	3I-079	T.P. Harlan	Sep-64
F-6257	NA 7207	3I-079	T.P. Harlan	Sep-64
F-6231	NA 7207	3I-079	T.P. Harlan	Sep-64
F-6233	NA 7207	3I-079	T.P. Harlan	Sep-64
F-6238	NA 7207	3I-079	T.P. Harlan	Sep-64
F-6200	NA 7207	3I-079	T.P. Harlan	Sep-64

F-6266	NA 7207	3I-079	T.P. Harlan	Sep-64
F-6258	NA 7207	3I-028	R.L. Warren	Jun-70
F-6254	NA 7207	3O-031	Not Listed	No Date
F-6242	NA 7207	3O-031	Not Listed	No Date
F-6244	NA 7207	3O-031	Not Listed	No Date
F-6251	NA 7207	3O-031	Not Listed	No Date
F-6259	NA 7207	3O-031	Not Listed	No Date
F-6268	NA 7207	3O-031	Not Listed	No Date
F-6269	NA 7207	3O-031	Not Listed	No Date
F-6252	NA 7207	3O-031	Not Listed	No Date
WAL-5	NA 730	3O-031	Not Listed	No Date
WAL-3	NA 730	3O-031	Not Listed	No Date
AIM-10	NA 730	3O-031	Not Listed	No Date
F-2385	NA 739A	3O-031	Not Listed	No Date
F-2386	NA 739A	3O-031	Not Listed	No Date
FLG-9	NA 8507	3O-031	Not Listed	No Date
F-181	NA 862	3O-031	Not Listed	No Date
F-223	NA 862	3O-031	Not Listed	No Date
F-209	NA 862	3O-031	Not Listed	No Date
F-246	NA 862	3O-031	Not Listed	No Date
F-310	NA 862	3O-031	Not Listed	No Date
DMF-3	NA 862	3O-031	Not Listed	No Date
DMF-4	NA 862	3I-071	R.L. Warren	Dec-73
F-133	NA 862	3I-071	R.L. Warren	Dec-73
F-124	NA 862	3I-071	R.L. Warren	Dec-73
F-199	NA 862	3I-071	R.L. Warren	Dec-73
F-235	NA 862	3I-071	R.L. Warren	Dec-73
F-234	NA 862	3I-072	J.S. Dean, J.W. Hannah	7/66, 1/68
F-319	NA 862	3I-043	R.L. Warren	Oct-73
F-266	NA 862	3I-043	R.L. Warren	Oct-73
F-265	NA 862	3I-043	R.L. Warren	Oct-73
F-103	NA 862	3I-043	R.L. Warren	Oct-73
F-179	NA 862	3I-043	R.L. Warren	Oct-73
F-207	NA 862	3I-043	R.L. Warren	Oct-73
F-215	NA 862	3I-043	R.L. Warren	Oct-73
F-198	NA 862	3I-043	R.L. Warren	Oct-73
F-228	NA 862	3I-043	R.L. Warren	Oct-73
F-201	NA 862	3I-043	R.L. Warren	Oct-73
F-197	NA 862	3I-043	R.L. Warren	Oct-73
F-205	NA 862	3I-043	R.L. Warren	Oct-73
F-225	NA 862	3I-043	R.L. Warren	Oct-73

F-244	NA 862	3I-043	R.L. Warren	Oct-73
F-296	NA 862	3I-043	R.L. Warren	Oct-73
F-253	NA 862	3I-043	R.L. Warren	Oct-73
F-268	NA 862	3I-043	R.L. Warren	Oct-73
F-278	NA 862	3I-043	R.L. Warren	Oct-73
F-305	NA 862	3I-043	R.L. Warren	Oct-73
F-274	NA 862	3I-043	R.L. Warren	Oct-73
F-260	NA 862	3I-043	R.L. Warren	Oct-73
F-241	NA 862	3I-043	R.L. Warren	Oct-73
F-88-1	NA 863	3I-043	R.L. Warren	Oct-73
FLG-25	NA 8723	3I-043	R.L. Warren	Oct-73
FLG-28	NA 8723	3I-043	R.L. Warren	Oct-73
FLG-29	NA 8723	3I-043	R.L. Warren	Oct-73
FLG-30	NA 8723	3I-043	R.L. Warren	Oct-73
FLG-51	NA 8735	3I-043	R.L. Warren	Oct-73
FLG-48	NA 8735	3I-043	R.L. Warren	Oct-73
FLG-70	NA 8737	3I-043	R.L. Warren	Oct-73
F-5987	NA 886	3I-043	R.L. Warren	Oct-73
WRG-1	NA 9032	3I-043	R.L. Warren	Oct-73
V-1	No Number	3I-043	R.L. Warren	Oct-73
CHP-12	No Number	3I-043	R.L. Warren	Oct-73
CHP-15	No Number	3I-042	R.L. Warren	Nov-73
CHP-14	No Number	3I-072	J.S. Dean, J.W. Hannah	7/66, 1/68
CHP-17	No Number	3I-072	J.S. Dean, J.W. Hannah	7/66, 1/68
CHP-123	No Number	3I-072	J.S. Dean, J.W. Hannah	7/66, 1/68
CHP-126a,b	No Number	3I-072	J.S. Dean, J.W. Hannah	7/66, 1/68
CHP-124	No Number	3I-072	J.S. Dean, J.W. Hannah	7/66, 1/68
VER-1	No Number	3I-072	J.S. Dean, J.W. Hannah	7/66, 1/68
RRR-1	No Number	3I-072	J.S. Dean, J.W. Hannah	7/66, 1/68
RRR-13	No Number	3I-037	R.L. Warren	Nov-73
RRR-7	No Number	3O-036	J.W. Hannah	Sep-72
ADT-181	Site MU 38	3I-144	Not Listed	6/8/1992
ADT-182	Site MU 38	3I-144	Not Listed	6/8/1992
ENR-18	Site442-93(OCA)	3I-144	Not Listed	6/8/1992
ENR-22	Site442-93(OCA)	3I-144	Not Listed	6/8/1992
ENR-21	Site442-93(OCA)	3I-144	Not Listed	6/8/1992
ENR-23	Site442-93(OCA)	3I-145	Not Listed	6/8/1992

ENR-19	Site442-93(OCA)	3I-145	Not Listed	6/8/1992
ENR-49	Site442-93(OCA)	3I-145	Not Listed	6/8/1992
ENR-59	Site442-93(OCA)	3I-145	Not Listed	6/8/1992
ENR-53	Site442-93(OCA)	3I-145	Not Listed	6/8/1992
ENR-51	Site442-93(OCA)	3I-145	Not Listed	6/8/1992
ENR-57	Site442-93(OCA)	3I-145	Not Listed	6/8/1992
ENR-50	Site442-93(OCA)	3I-143	Not Listed	1/16/1992
ENR-52	Site442-93(OCA)	3I-143	Not Listed	1/16/1992

APPENDIX III. TREE-RING PROVENIENCE AND SAMPLE TYPE

Sample Number	Site Number	Provenience	Sample Type
VER-110	AR030401342	Ceiling Post	Wd-sec
VER-82	AR030401342	Room 6, Level 2, Southwest 1/4	Not specified
VER-84	AR030401342	Room 6, Southwest 1/4	Not specified
VER-86	AR030401342	Room 6, Southwest 1/4	Not specified
VER-74	AR0304021403	General	Char-f
VER-75	AR0304021403	General	Char-f
VER-77	AR0304021403	General	Rt-wd-f
VER-73	AR0304021403	General	Rt-wd-f
VER-78	AR0304021403	FIELD BLANK	Not specified
VER-165	AR0304021403	433N268.5E#4	Not specified
VER-79	AR0304021403	523N280E#5	Not specified
VER-80	AR0304021403	Jerome	Wd-sect
VER-158	AR030406134	Room 10, #1(2)	Not specified
VER-156	AR030406134	Room 6, #2	Not specified
FLX-6	AR0312041066	Room 6, #4	Not specified
FLX-26	AR0312041067	Room 6, #6	Not specified
FLX-14	AR0312041067	FIELD BLANK	Not specified
FLX-27	AR0312041067	FIELD BLANK	Not specified
FLX-8	AR0312041067	FIELD BLANK	Not specified
ADT-20	AZ I:1:17(ASM)	FIELD BLANK	Not specified
ADT-71	AZ I:1:17(ASM)	FIELD BLANK	Not specified
ADT-9	AZ I:1:17(ASM)	C-3, Inside room	Not specified
ADT-83	AZ I:1:17(ASM)	FIELD BLANK	Not specified
ADT-6	AZ I:1:17(ASM)	FIELD BLANK	Not specified
ADT-136	AZ I:1:17(ASM)	YY-22 P.H. 3	Not specified
ADT-131	AZ I:1:17(ASM)	FIELD BLANK	Not specified
ADT-64	AZ I:1:17(ASM)	Unit 7 level 2 locus 2	Charcoal Frag.
ADT-152	AZ I:1:17(ASM)	Unit 3 level 2 locus 6	Charcoal Frag.
ADT-41	AZ I:1:17(ASM)	Unit 3 level 2 locus 6	Charcoal Frag.
ADT-153	AZ I:1:17(ASM)	Unit 3 level 2 locus 6	Charcoal Frag.
ADT-48	AZ I:1:17(ASM)	Unit 3 level 3 locus 1	Charcoal Frag.
ADT-110	AZ I:1:17(ASM)	Feature 10?, Log Wall	Chd.
ADT-160	AZ I:1:17(ASM)	Stucture 3 Roof Beams	Chd.
ADT-164	AZ I:1:17(ASM)	Trench 1 or 2	Chd.
ADT-172	AZ I:1:17(ASM)	West Wall Horizontal Logs	Chd.
ADT-149	AZ I:1:17(ASM)	Structure 1 Roof Beams	Chd.
ADT-150	AZ I:1:17(ASM)	Structure 4 Wall Posts	Chd.

ADT-142	AZ I:1:17(ASM)	Structure 4 Wall Posts	Chd.
ADT-128	AZ I:1:17(ASM)	Stucture 3 Roof Beams	Chd.
ADT-93	AZ I:1:17(ASM)	Structure 4 Horizontal Wall Logs	Chd.
ADT-55	AZ I:1:17(ASM)	Structure 4 Roof Beams	Chd.
ADT-174	AZ I:1:17(ASM)	Structure 4 Roof Beams	Chd.
ADT-137,145	AZ I:1:17(ASM)	Stucture 3 Roof Beams	Chd.
ADT-90	AZ I:1:17(ASM)	Structure 3 Wall Corner Posts	Wood
ADT-40	AZ I:1:17(ASM)	Structure 4 Entry Elements	Wood
ADT-106	AZ I:1:17(ASM)	Structure 4 Entry Elements	Wood
ADT-173	AZ I:1:17(ASM)	Structure 4 Roof Support Posts	Wood
ADT-141	AZ I:1:17(ASM)	Structure 4 Wall Posts	Wood
ADT-176	AZ I:1:17(ASM)	Structure 4 Wall Posts	Wood
ADT-129	AZ I:1:17(ASM)	Structure 4 Wall Posts	Wood
ADT-100	AZ I:1:17(ASM)	Wall Posts	Wood
ADT-133	AZ I:1:17(ASM)	Structure 3 Wall Corner Posts	Wood.
ADT-78	AZ I:1:17(ASM)	Stucture 3 Roof Beams	Chd.
ADT-8	AZ I:1:17(ASM)	Structure 4 Entry Elements	Chd.
ADT-18	AZ I:1:17(ASM)	Structure 4 Wall Posts	Chd.
ADT-17	AZ I:1:17(ASM)	Roof Support Posts	Wood
ADT-14	AZ I:1:17(ASM)	Roof Support Posts	Wood
ADT-15	AZ I:1:17(ASM)	Structure 2 Entryway Posts	Wood
ADT-11	AZ I:1:17(ASM)	Structure 4 Niche Posts	Wood
ADT-12	AZ I:1:17(ASM)	Structure 4 Wall Posts	Wood
ADT-10	AZ I:1:17(ASM)	Structure 4 Wall Posts	Wood
ADT-38	AZ I:1:17(ASM)	Wall Posts	Wood
ADT-30	AZ I:1:17(ASM)	Structure 2 Entryway Posts	Not specified
ADT-99	AZ I:1:17(ASM)	Structure 4 Wall Posts	Not specified
ADT-35	AZ I:1:17(ASM)	Feature Area South of Structure 2 Posts	Chd.
ADT-5	AZ I:1:17(ASM)	Structure 1 Roof Beams	Chd.
ADT-21	AZ I:1:17(ASM)	Feature 10 Log Wall	Chd.
ADT-33	AZ I:1:17(ASM)	Feature 10 Log Wall	Chd.
ADT-3	AZ I:1:17(ASM)	Feature 10 Log Wall	Chd.
ADT-16	AZ I:1:17(ASM)	Feature 10 Log Wall	Chd.
ADT-101	AZ I:1:17(ASM)	Feature 10 Log Wall	Chd.
ADT-111	AZ I:1:17(ASM)	Feature 10 Log Wall	Chd.
ADT-112	AZ I:1:17(ASM)	Feature 10 Log Wall	Chd.
ADT-96	AZ I:1:17(ASM)	Feature 10 Support Posts	Chd.
ADT-95	AZ I:1:17(ASM)	Feature 33 Floor pit	Chd.
ADT-155	AZ I:1:17(ASM)	Feature Area South of Structure 2 Posts	Chd.
ADT-147	AZ I:1:17(ASM)	Structure 1 Entray Posts	Chd.
ADT-146	AZ I:1:17(ASM)	Structure 1 Roof Beams	Chd.

ADT-77	AZ I:1:17(ASM)	Structure 1 Roof Beams	Chd.
ADT-75	AZ I:1:17(ASM)	Structure 1 Roof Beams	Chd.
ADT-151	AZ I:1:17(ASM)	Structure 1 Roof Beams	Chd.
ADT-134	AZ I:1:17(ASM)	Structure 1 Roof Beams	Chd.
ADT-76	AZ I:1:17(ASM)	Structure 2 Entryway Posts	Chd.
ADT-157	AZ I:1:17(ASM)	Structure 3 Wall Corner Posts	Chd.
ADT-158	AZ I:1:17(ASM)	Structure 3 Wall Corner Posts	Chd.
ADT-54	AZ I:1:17(ASM)	Structure 3 Wall Corner Posts	Chd.
ADT-66	AZ I:1:17(ASM)	Structure 3 Wall Corner Posts	Chd.
ADT-144	AZ I:1:17(ASM)	Structure 4 Horizontal Wall Logs	Chd.
ADT-166	AZ I:1:17(ASM)	Structure 4 Horizontal Wall Logs	Chd.
ADT-53	AZ I:1:17(ASM)	Structure 4 Horizontal Wall Logs	Chd.
ADT-72	AZ I:1:17(ASM)	Structure 4 Horizontal Wall Logs	Chd.
ADT-159	AZ I:1:17(ASM)	Structure 4 Niche Posts	Chd.
ADT-177	AZ I:1:17(ASM)	Structure 4 Niche Posts	Chd.
ADT-139	AZ I:1:17(ASM)	Structure 4 Roof Beams	Chd.
ADT-132	AZ I:1:17(ASM)	Structure 4 Roof Beams	Chd.
ADT-135	AZ I:1:17(ASM)	Structure 4 Roof Beams	Chd.
ADT-74	AZ I:1:17(ASM)	Structure 4 Roof Beams	Chd.
ADT-154	AZ I:1:17(ASM)	Structure 4 Roof Beams	Chd.
ADT-47	AZ I:1:17(ASM)	Structure 4 Roof Beams	Chd.
ADT-60	AZ I:1:17(ASM)	Structure 4 Roof Beams	Chd.
ADT-61	AZ I:1:17(ASM)	Structure 4 Roof Beams	Chd.
ADT-43	AZ I:1:17(ASM)	Structure 4 Roof Beams	Chd.
ADT-57	AZ I:1:17(ASM)	Structure 4 Roof Support Posts	Chd.
ADT-65	AZ I:1:17(ASM)	Structure 4 Wall Posts	Chd.
ADT-25	AZ I:1:17(ASM)	Structure 4 Wall Posts	Chd.
ADT-24	AZ I:1:17(ASM)	Structure 4 Wall Posts	Chd.
ADT-23	AZ I:1:17(ASM)	Structure 4 Wall Posts	Chd.
ADT-42	AZ I:1:17(ASM)	Structure 4 Wall Posts	Chd.
ADT-63	AZ I:1:17(ASM)	Structure 4 Wall Posts	Chd.
ADT-117	AZ I:1:17(ASM)	Structure 4 Wall Support Posts	Chd.
ADT-81,82	AZ I:1:17(ASM)	Stucture 3 Roof Beams	Chd.
ADT-50	AZ I:1:17(ASM)	Stucture 3 Roof Beams	Chd.
ADT-27	AZ I:1:17(ASM)	Stucture 3 Roof Beams	Chd.
ADT-109	AZ I:1:17(ASM)	Stucture 3 Roof Beams	Chd.
ADT-165	AZ I:1:17(ASM)	Stucture 3 Roof Beams	Chd.
ADT-169	AZ I:1:17(ASM)	Stucture 3 Roof Beams	Chd.
ADT-31	AZ I:1:17(ASM)	Trench 3	Chd.
GRA-5a,b	AZ I:1:21(ASM)	Trench 3	Chd.
GRA-4	AZ I:1:21(ASM)	Trench 3	Chd.

CHP-96	AZ O:4:1 (ASU)	Wall Logs Horizontal	Chd.
CHP-98	AZ O:4:1 (ASU)	Wall Logs Horizontal	Chd.
CHP-90	AZ O:4:1 (ASU)	Wall Posts	Chd.
CHP-122	AZ O:4:1 (ASU)	West Wall Horizontal Logs	Chd.
CHP-119	AZ O:4:1 (ASU)	Stucture 3 Roof Beams	Chd. Deadwood
CHP-120	AZ O:4:1 (ASU)	Structure 1 Entray Posts	Wood
CHP-121	AZ O:4:1 (ASU)	Structure 2 Entryway Posts	Wood
CHP-91	AZ O:4:1 (ASU)	Structure 4 Entry Elements	Wood
CHP-80	AZ O:4:1 (ASU)	Structure 4 Wall Posts	Wood
CHP-87	AZ O:4:1 (ASU)	Roof Support Posts	Wood Deadwood log
CHP-61	AZ O:4:1 (ASU)	FIELD BLANK	Charcoal Frag.
CHP-114	AZ O:4:2 (ASU)	FIELD BLANK	Charcoal Frag.
CHP-103	AZ O:4:3 (ASU)	Level 3, rooffall	Not specified
CHP-100	AZ O:4:3 (ASU)	Feature 2	Not specified
CHP-102	AZ O:4:3 (ASU)	Midden, Level 8	Not specified
CHP-104	AZ O:4:3 (ASU)	N44E47L8#1214	Not specified
CHP-105	AZ O:4:3 (ASU)	N61E75L4#5032	Not specified
CHP-99	AZ O:4:3 (ASU)	N61E75L6#5106	Not specified
CHP-101	AZ O:4:3 (ASU)	N61E75L78#5109	Not specified
CHP-101	AZ O:4:3 (ASU)	Str. L.10B	Not specified
CHP-106	AZ O:4:3 (ASU)	48.1N - 64.2E	Not specified
CHP-109	AZ O:4:5 (ASU)	90.0N - 80.2E	Not specified
CHP-110	AZ O:4:5 (ASU)	112N 88E	Not specified
CHP-111	AZ O:4:5 (ASU)	Pueblo 2 Roof Fall	Not specified
ADT-219	MU 125	Pueblo 3 North Half	Not specified
ADT-206	MU 125	Pueblo 3 Feature 1, Roasting Pit - oven	Not specified
ADT-205	MU 125	Pueblo 3 North Half	Not specified
ADT-221	MU 125	Pueblo 3 North Half	Not specified
ADT-214	MU 125	Pueblo 3 North Half	Not specified
ADT-220	MU 125	Pueblo 3 North Half	Not specified
ADT-210	MU 125	Pueblo 3 Southern Half	Not specified
ADT-204	MU 125	Pueblo 3 Southern Half	Not specified
ADT-201	MU 125	Pueblo 3 Southern Half	Not specified
ADT-215	MU 125	Room 3 Unit 1	Not specified
ADT-218	MU 125	Room 3 Unit 1A	Not specified
ADT-197	MU 125	Room 3 Unit 1A	Not specified
ADT-202	MU 125	Unit 3-8	Not specified
ADT-195	MU 125	FIELD BLANK	Not specified
ADT-203	MU 125	FIELD BLANK	Not specified
ADT-209	MU 125	Unit 3-8	Not specified
ADT-211	MU 125	Unit 3-8	Not specified

ADT-212	MU 125	Unit 3-8	Not specified
ADT-223	MU 125	Unit 3-8	Not specified
FLG-125-1	NA 10779B	FIELD BLANK	Not specified
FLG-125-4	NA 10779B	CU 3-7	Not specified
FLG-119	NA 10779B	Unit 3-8	Not specified
FLG-118	NA 10779B	Unit 3-8	Not specified
FLG-105	NA 10779B	CU 3-7	Not specified
F-1502	NA 1121	CU 3-7	Not specified
F-1503	NA 1121	CU 3-7	Not specified
APS-32	NA 11237	CU 3-7	Not specified
APS-30	NA 11237	Unit 3-8	Not specified
APS-46	NA 11237	Unit 3-8	Not specified
APS-19	NA 11237	Unit 3-8	Not specified
APS-20	NA 11237	Unit 3-8	Not specified
APS-22	NA 11237	Pithouse 1A	Not specified
APS-15	NA 11237	Pithouse 1A	Not specified
APS-16	NA 11237	Pithouse 1B	Not specified
APS-17	NA 11237	Pithouse 1B	Not specified
APS-14	NA 11237	Pithouse 1B	Not specified
APS-48	NA 11237	No Provenience	Not specified
APS-63	NA 11237	No Provenience	Not specified
APS-51	NA 11237	Room 5	Not specified
APS-55	NA 11237	Room 5	Not specified
APS-37	NA 11237	Room 5	Not specified
APS-38	NA 11237	Room 1	Not specified
APS-58	NA 11237	Room 1	Not specified
APS-69a-e	NA 11237	Room 1	Not specified
APS-62	NA 11237	Room 1	Not specified
APS-39	NA 11237	Room 1	Not specified
APS-36	NA 11237	Room 1	Not specified
APS-23	NA 11237	Room 1	Not specified
APS-47	NA 11237	Room 5	Not specified
APS-57	NA 11237	Room 5	Not specified
APS-65	NA 11237	Room 5	Not specified
APS-26	NA 11237	Room 5	Not specified
APS-59	NA 11237	Room 5	Not specified
APS-43	NA 11237	Room 5	Not specified
APS-33	NA 11237	Room 5	Not specified
APS-52	NA 11237	Room 5	Not specified

APS-25	NA 11237	Room 5	Not specified
APS-40	NA 11237	Room 5	Not specified
APS-31	NA 11237	Room 5	Not specified
APS-41	NA 11237	Room 5	Not specified
APS-35	NA 11237	Room 5	Not specified
APS-54a-d	NA 11237	Room 5	Not specified
APS-24	NA 11237	Room 5	Not specified
APS-73a-d	NA 11237	Room 5	Not specified
APS-42	NA 11237	Room 5	Not specified
APS-50	NA 11237	Room 5	Not specified
APS-53	NA 11237	Room 5	Not specified
APS-64	NA 11237	Room 5	Not specified
APS-61	NA 11237	Room 5	Not specified
APS-27	NA 11237	Room 5	Not specified
APS-28	NA 11237	Room 5	Not specified
APS-44	NA 11237	Room 5	Not specified
APS-70	NA 11237	Room 5	Not specified
APS-71a, b	NA 11237	Room 5	Not specified
APS-72	NA 11237	Room 5	Not specified
APS-76a-d	NA 11237	Room 5	Not specified
F-31	NA 1138	Room 5	Not specified
F-4167	NA 1139	Room 5	Not specified
F-4168	NA 1139	Room 5	Not specified
F-4170	NA 1139	Room 5	Not specified
F-2945	NA 1139	Room 5	Not specified
F-2480	NA 117S	Room 5	Not specified
F-2476	NA 117V	Room 5	Not specified
F-4160	NA 1238	Room 5	Not specified
F-591	NA 1238	Room 5	Not specified
F-476	NA 1238	Room 5	Not specified
F-537	NA 1238	Room 5	Not specified
F-506	NA 1238	Room 8	Not specified
F-477	NA 1238	No Provenience	Not specified
F-664	NA 1238	No Provenience	Not specified
F-493	NA 1238	No Provenience	Not specified
F-389	NA 1238	No Provenience	Not specified
F-527	NA 1238	No Provenience	Not specified
F-433	NA 1238	FIELD BLANK	Not specified
F-363	NA 1238	FIELD BLANK	Not specified

F-424	NA 1238	Miscellaneous	Not specified
F-349	NA 1238	Miscellaneous	Not specified
F-567	NA 1238	Miscellaneous	Not specified
F-508	NA 1238	Miscellaneous	Not specified
F-496	NA 1238	Miscellaneous	Not specified
F-694	NA 1238	Miscellaneous	Not specified
DNP-2	NA 1238	Miscellaneous	Not specified
DNP-1	NA 1238	Miscellaneous	Not specified
F-697	NA 1238	No Provenience	Not specified
F-650	NA 1238	No Provenience	Not specified
F-460	NA 1238	Ventilator	Not specified
F-348	NA 1238	Ventilator	Not specified
F-343	NA 1238	Ventilator	Not specified
F-353	NA 1238	Ventilator	Not specified
F-432	NA 1238	Miscellaneous	Not specified
F-423	NA 1238	Miscellaneous	Not specified
F-359	NA 1238	Miscellaneous	Not specified
F-355	NA 1238	Miscellaneous	Not specified
F-426	NA 1238	Miscellaneous	Not specified
F-414	NA 1238	Miscellaneous	Not specified
F-1763	NA 1244B	Miscellaneous	Not specified
F-1757	NA 1244B	Miscellaneous	Not specified
F-1725	NA 1244B	No Provenience	Not specified
V-121	NA 1251	Ventilator	Not specified
V-64	NA 1255	Ventilator	Not specified
F-61	NA 1255	Ventilator	Not specified
F-2406	NA 1295A	Ventilator	Not specified
F-2390	NA 1295A	Ventilator	Not specified
F-1030	NA 1296	Ventilator	Not specified
EP-5	NA 142	Ventilator	Not specified
F-3100	NA 1531	Ventilator	Not specified
F-3101	NA 1531	Ventilator	Not specified
F-3072	NA 1531	W. Roof Beam	Not specified
F-3085	NA 1531	Beam NE Side	Not specified
F-3094	NA 1531	NE Corner Post	Not specified
F-2623	NA 1531	Risinger Ranch 1	Char-f
F-2637	NA 1531	Top of N-S wall?	Wd-1"c
F-3064	NA 1531	Room 6, Upright	Wd-sec
F-3076	NA 1531	No Provenience	Not specified
F-3073	NA 1531	No Provenience	Not specified
F-3081	NA 1531	FIELD BLANK	Not specified

F-2629	NA 1531	No Provenience	Not specified
F-2625	NA 1531	No Provenience	Not specified
F-2621	NA 1531	No Provenience	Not specified
F-3061	NA 1531	N. Corner Back side	Not specified
F-3087	NA 1531	No Provenience	Not specified
F-3093	NA 1531	No Provenience	Not specified
F-3088	NA 1531	West Corner Post	Not specified
F-2636	NA 1531	Back side	Not specified
F-2613	NA 1531	N. Corner Back side	Not specified
F-2612	NA 1531	No Provenience	Not specified
F-2446	NA 1570	No Provenience	Not specified
F-2435	NA 1570	No Provenience	Not specified
F-841	NA 1625B	Poles from back wall	Not specified
F-734	NA 1625B	Poles from back wall	Not specified
F-1526	NA 1625B	Poles from back wall	Not specified
F-1615	NA 1625B	W. Corner Back side	Not specified
F-732	NA 1625B	No Provenience	Not specified
F-808	NA 1625C	No Provenience	Not specified
F-810	NA 1625C	No Provenience	Not specified
F-1100	NA 1625C	Back side	Not specified
F-798	NA 1625C	Below S. Corner Post	Not specified
F-1344	NA 1625C	West Corner Post	Not specified
F-1335	NA 1625C	Above floor	Not specified
F-865	NA 1625C	Fill	Not specified
F-844	NA 1625C	FIELD BLANK	Not specified
F-1343	NA 1625C	FIELD BLANK	Not specified
F-1125	NA 1625C	FIELD BLANK	Not specified
F-1162	NA 1625C	FIELD BLANK	Not specified
F-817	NA 1625C	FIELD BLANK	Not specified
F-1263	NA 1625C	FIELD BLANK	Not specified
F-1453	NA 1625C	FIELD BLANK	Not specified
F-1118	NA 1625C	FIELD BLANK	Not specified
F-1159	NA 1625C	FIELD BLANK	Not specified
F-813	NA 1625C	FIELD BLANK	Not specified
F-1108	NA 1625C	FIELD BLANK	Not specified
F-1137	NA 1625C	FIELD BLANK	Not specified
F-854	NA 1625C	FIELD BLANK	Not specified
F-1371	NA 1625C	FIELD BLANK	Not specified
F-1379	NA 1625C	FIELD BLANK	Not specified
F-1388	NA 1625C	FIELD BLANK	Not specified
F-1355	NA 1625C	FIELD BLANK	Not specified

F-1417	NA 1625C	FIELD BLANK	Not specified
F-791	NA 1625C	FIELD BLANK	Not specified
F-792	NA 1625C	FIELD BLANK	Not specified
F-1430	NA 1625C	FIELD BLANK	Not specified
F-797	NA 1625C	FIELD BLANK	Not specified
F-1440	NA 1625C	FIELD BLANK	Not specified
KNK-15	NA 1629	FIELD BLANK	Not specified
KNK-16	NA 1629	FIELD BLANK	Not specified
KNK-11	NA 1629	FIELD BLANK	Not specified
KNK-14	NA 1629	FIELD BLANK	Not specified
F-4940	NA 1629	FIELD BLANK	Not specified
F-4924	NA 1629	FIELD BLANK	Not specified
KNK-2	NA 1629	FIELD BLANK	Not specified
F-5038	NA 1629	FIELD BLANK	Not specified
F-5143	NA 1629	FIELD BLANK	Not specified
F-5076	NA 1629	FIELD BLANK	Not specified
F-5155	NA 1629	FIELD BLANK	Not specified
F-5095	NA 1629	FIELD BLANK	Not specified
F-5124	NA 1629	Room adjacent to west side of Room 3	Not specified
F-5140	NA 1629	Room adjacent to west side of Room 3	Not specified
F-5165	NA 1629	Room adjacent to west side of Room 3	Not specified
F-5247	NA 1629	Room adjacent to west side of Room 3	Not specified
F-5145	NA 1629	Room 3	Char-f
F-5210	NA 1629	Room 3	Char-f
F-5163	NA 1629	General	Char-f
F-4919	NA 1629	Room 3	Char-f
F-4975	NA 1629	Room 3	Char-f
F-5083	NA 1629	Room 3	Char-f
F-5149	NA 1629	Room 3	Char-f
F-5167	NA 1629	Room 3	Char-f
KNK-3	NA 1629	Room 3	Char-f
KNK-7	NA 1629	Room 3	Char-f
KNK-4B	NA 1629	Room 3	Char-f
KNK-6	NA 1629	Room 3	Char-f
F-5156	NA 1629	Room 3	Char-f
F-5127	NA 1629	Room 3	Char-f
F-4968	NA 1629	Room 3	Char-f
F-5147	NA 1629	Room 3	Char-f
F-4915	NA 1629	Room 3	Char-f
F-5251	NA 1629	Room 3	Char-f
KNK-1	NA 1629	Room 3	Char-f

F-4889	NA 1629	Room 3	Char-f
F-4900	NA 1629	General	Char-f
F-4888	NA 1629	General	Char-f
F-5161	NA 1629	General	Char-f
VER-166	NA 1629	General	Char-f
KNK-13	NA 1629	Room 3	Char-f
F-4998	NA 1629	Room 3	Char-f
F-5100	NA 1629	Room 3	Char-f
F-4982	NA 1629	Room 3	Char-f
F-4910	NA 1629	Room 3	Char-f
F-5029	NA 1629	FIELD BLANK	Char-f
F-5014	NA 1629	General	Char-fs
F-4988	NA 1629	Room 3	Chd-wd-b
F-5162	NA 1629	Room 3	Chd-wd-f
F-4976	NA 1629	Room 3	Chd-wd-f
F-4951	NA 1629	Room 3	Chd-wd-f
F-4950	NA 1629	FIELD BLANK	Not specified
F-5093	NA 1629	Room adjacent to west side of Room 3	Not specified
F-4952	NA 1629	Room 3	Char-1/2s
F-4948	NA 1629	Room 3	Char-1/2s
F-5185	NA 1629	Room 3	Char-1/2s
F-5187	NA 1629	Room 3	Char-1/2s
F-5253	NA 1629	Room 3	Char-1/3s
F-5195	NA 1629	Room 3	Char-1/4s
F-5220	NA 1629	Room 3	Char-1/4s
F-5106	NA 1629	Room 3	Char-f
F-4978	NA 1629	Room 3	Char-f
F-5077	NA 1629	Room 3	Char-f
F-4953	NA 1629	Room 3	Char-f
F-5250	NA 1629	Room 3	Char-f
F-5040	NA 1629	Room 3	Char-f
F-4891	NA 1629	Room 3	Char-f
F-4925	NA 1629	Room 3	Char-f
F-5182	NA 1629	Room 3	Char-f
F-5236	NA 1629	Room 3	Char-f
F-5025	NA 1629	Room 3	Char-f
F-4895	NA 1629	Room 3	Char-f
F-4913	NA 1629	Room 3	Char-f
F-4914	NA 1629	Room 3	Char-f
F-5026	NA 1629	Room 3	Char-f
F-5039	NA 1629	Room 3	Char-f

F-5046	NA 1629	Room 3	Char-f
F-5235	NA 1629	Room 3	Char-f
F-4894	NA 1629	Room 3	Char-f
F-4147	NA 1629	Room 3	Char-f
F-4957	NA 1629	Room 3	Char-f
F-5094	NA 1629	Room 3	Char-f
F-4886	NA 1629	Room 3	Char-f
F-4898	NA 1629	Room 3	Char-f
F-4936	NA 1629	Room 3	Char-f
F-903	NA 1680	Room 3	Char-f
F-911	NA 1680	Room 3	Char-f
F-774	NA 1680	Room 3	Char-f
F-926	NA 1680	Room 3	Char-f
F-971	NA 1680	Room 3	Char-f
F-916	NA 1680	Room 3	Char-f
F-892	NA 1680	General	Char-fs
F-2324	NA 1754	Room 3	Char-s
F-2339	NA 1754	Room 3	Char-s
F-2275	NA 1754	Room 3	Char-s
F-2285	NA 1754	Room 3	Char-s
F-2316	NA 1754	Room 3	Char-s
F-2245	NA 1754	E. Post Front End	Not specified
F-2173	NA 1764A	E. Post Front End	Not specified
F-2113-1	NA 1764A	No Provenience	Not specified
F-2174	NA 1764A	No Provenience	Not specified
F-2178-2	NA 1764A	No Provenience	Not specified
F-2175-1	NA 1764A	W. Post Back side	Not specified
F-2177-1	NA 1764A	W. Post of Back Wall	Not specified
F-2180-1	NA 1764A	No Provenience	Not specified
F-2183-1	NA 1764A	No Provenience	Not specified
F-2176-2	NA 1764A	No Provenience	Not specified
F-2179-1	NA 1764A	No Provenience	Not specified
F-2114	NA 1764A	No Provenience	Not specified
F-2180-5	NA 1764A	Pit House S.W. of Kiva	Not specified
F-2115	NA 1764A	Room 2	Not specified
F-2195-2	NA 1765	Room 2	Not specified
F-2193-4	NA 1765	No Provenience	Not specified
F-2193-7	NA 1765	No Provenience	Not specified
F-2195-3	NA 1765	No Provenience	Not specified
F-2195-6	NA 1765	No Provenience	Not specified
F-2193-3	NA 1765	No Provenience	Not specified

F-2193-5	NA 1765	No Provenience	Not specified
F-4774	NA 1785	No Provenience	Not specified
F-4845	NA 1785	No Provenience	Not specified
F-4725	NA 1785	Room 2	Not specified
F-4842	NA 1785	No Provenience	Not specified
F-4783	NA 1785	Room 2	Not specified
F-4824	NA 1785	No Provenience	Not specified
F-4809	NA 1785	No Provenience	Not specified
F-4727	NA 1785	No Provenience	Not specified
F-4749	NA 1785	No Provenience	Not specified
F-4754	NA 1785	No Provenience	Not specified
F-4790	NA 1785	No Provenience	Not specified
F-4829	NA 1785	No Provenience	Not specified
F-4808	NA 1785	Room 6	Not specified
F-4731	NA 1785	Room 6	Not specified
F-4770	NA 1785	Room 11	Not specified
F-4730	NA 1785	Room 6	Not specified
F-4856	NA 1785	Room 11	Not specified
F-4757	NA 1785	Room 6	Not specified
F-4810	NA 1785	Room 6	Not specified
F-4833	NA 1785	Room 8	Not specified
F-4840	NA 1785	Room 8	Not specified
F-4844	NA 1785	Room 8	Not specified
F-4758	NA 1785	Room 11	Not specified
F-4836	NA 1785	Room 6	Not specified
F-4739	NA 1785	Room 6	Not specified
F-4733	NA 1785	Room 6	Not specified
F-4827	NA 1785	Room 6	Not specified
F-4732	NA 1785	Room 6	Not specified
F-4814	NA 1785	Room 11	Not specified
F-4737	NA 1785	Room 11	Not specified
F-4778	NA 1785	Room 6	Not specified
FLG-252	NA 17957	Room 6	Not specified
FLG-243	NA 17957	Room 6	Not specified
FLG-248	NA 17957	Room 6	Not specified
FLG-247	NA 17957	Room 6	Not specified
FLG-249	NA 17957	Room 6	Not specified
FLG-250	NA 17957	Room 6	Not specified
FLG-255	NA 17957	Room 6	Not specified
FLG-244	NA 17957	Room 6	Not specified
WAP-44	NA 181	Room 6	Not specified

WAP-59	NA 181	Room 6	Not specified
WAP-46	NA 181	Room 6	Not specified
WAP-49	NA 181	Room 8	Not specified
WAP-50	NA 181	Room 11	Not specified
WAP-41	NA 181	Room 2	Not specified
WAP-51	NA 181	Room 4	Not specified
F-2106-6	NA 1814	Room 4	Not specified
F-2094	NA 1814	TT 16	Not specified
F-2015	NA 1814C	Room 8	Not specified
F-2211	NA 1814C	TT 22	Not specified
F-2226	NA 1814C	Room 3	Not specified
F-2016	NA 1814C	Feature 24	Not specified
F-2106-2	NA 1814C	Feature 95	Not specified
F-2101-2	NA 1814C	Feature 24	Not specified
F-2215	NA 1814C	Feature 24.03	Not specified
F-2087	NA 1814C	Feature 24.08	Not specified
F-2102	NA 1814C	Feature 26.07	Not specified
F-2105	NA 1814C	Feature 25	Not specified
F-2088	NA 1814C	A->E -/from pithouse, by burial #1	Not specified
F-2106-3	NA 1814C	C or E ?<-A/ Harlon's notes; frags from pithouse	Not specified
F-2214	NA 1814C	Pithouse C, fragment from pithouse, by burial #1	Not specified
F-2100	NA 1814C	Pithouse C, by Burial #1	Not specified
F-2081	NA 1814C	Pithouse C, S.corner post	Not specified
F-2196-1	NA 1814E	Pithouse C, fragments	Not specified
F-5472-1	NA 1814E	Pithouse C, "fragments"	Not specified
F-5469	NA 1814E	Pithouse C, by burial #1	Not specified
F-2186	NA 1814E	Pithouse C, by Burial #1	Not specified
F-2110	NA 1814E	Pithouse C, Charcoal from pithouse	Not specified
F-2112-3	NA 1814E	Pithouse C, east corner post	Not specified
F-2112-1	NA 1814E	Pithouse C, fragment from pithouse, by burial #1	Not specified
F-2112-2	NA 1814E	Pithouse C, frags from pithouse	Not specified
F-2190	NA 1814E	Pithouse C, from fill of Burial #1	Not specified
F-5468	NA 1814E	Pithouse C, from floor	Not specified
F-5472-2	NA 1814E	Pithouse C, middle post, N. end	Not specified
F-2241	NA 1814E	Pithouse C, west corner post "See Hargrave"	Not specified
F-2189	NA 1814E	masonry pithouse, Rm. 2	Not specified
F-2185	NA 1814E	floor, against E. wall, N. of vent shaft	Not specified
F-1645-2	NA 1918	floor, against E. wall, N. of vent shaft	Not specified
F-1219	NA 192	masonry pithouse, ???? Wall	Not specified

F-1207	NA 192	masonry pithouse, main room	Not specified
F-1172	NA 192	possibly assoc. w/ masonry pithouse, Room 2/or main room	Not specified
F-1177	NA 192	possibly assoc. w/ masonry pithouse, Room 2/or main room	Not specified
F-829	NA 192	possibly assoc. w/ masonry puthouse, mainroom	Not specified
F-824	NA 192	probably masonry puthouse Room 2	Not specified
GP-1577	NA 192	roof beam, 1m deep, E. wall	Not specified
F-783	NA 192	floor, against E. wall N. of vent shaft	Not specified
F-745	NA 192	Harlan's notes; masonry pithouse	Not specified
F-1658	NA 1920B	probably masonry puthouse Room 2	Not specified
F-1662	NA 1920B	rear wall, masonry pithouse	Not specified
F-1656	NA 1920B	P1	Not specified
F-3466	NA 1920B	Floor	Not specified
F-1667	NA 1920B	Floor	Not specified
F-1666	NA 1920B	Floor	Not specified
F-1688	NA 1920B	Floor	Not specified
F-1674	NA 1920B	N. Corner post	Not specified
F-1651	NA 1920B	N. Corner post	Not specified
F-3463	NA 1920B	No Provenience	Not specified
F-3490	NA 1922A	No Provenience	Not specified
F-3492	NA 1922A	FIELD BLANK	Not specified
F-2451	NA 1925B	No Provenience	Not specified
F-2450	NA 1925B	No Provenience	Not specified
F-2444	NA 1925B	No Provenience	Not specified
F-2454	NA 1927A	No Provenience	Not specified
F-2463	NA 1927A	No Provenience	Not specified
F-2355	NA 1959	No Provenience	Not specified
F-2350	NA 1959	No Provenience	Not specified
F-2382	NA 1959	No Provenience	Not specified
F-2371	NA 1959	No Provenience	Not specified
F-2377-2	NA 1959	No Provenience	Not specified
F-2374	NA 1959	Near Floor	Not specified
F-2365	NA 1959	Near Floor	Not specified
F-2361	NA 1959	Post in N. wall	Not specified
F-2368	NA 1959	Post in N. wall	Not specified
F-1789	NA 2001	Post in W. wall	Not specified
F-1822	NA 2001	No Provenience	Not specified
F-1792	NA 2001	No Provenience	Not specified
F-2169	NA 2001	No Provenience	Not specified
F-2171-1	NA 2001	No Provenience	Not specified

F-1818	NA 2001	No Provenience	Not specified
F-1787	NA 2001	No Provenience	Not specified
F-1799	NA 2001	No Provenience	Not specified
F-2159	NA 2001	No Provenience	Not specified
F-1812	NA 2001	No Provenience	Not specified
F-1969	NA 2001	No Provenience	Not specified
F-1811	NA 2001	No Provenience	Not specified
F-1780	NA 2001	Miscellaneous	Not specified
F-1770	NA 2001	Miscellaneous	Not specified
F-1977	NA 2002	Miscellaneous	Not specified
F-1833	NA 2002	Miscellaneous	Not specified
F-2209	NA 2002	Miscellaneous	Not specified
F-1999	NA 2002	Miscellaneous	Not specified
F-2001	NA 2002	Miscellaneous	Not specified
F-2210	NA 2002	Miscellaneous	Not specified
F-2001	NA 2002	No Provenience	Not specified
F-1888	NA 2002	No Provenience	Not specified
F-2055-2	NA 2002	No Provenience	Not specified
F-2008	NA 2002	Miscellaneous	Not specified
F-1995	NA 2002	Miscellaneous	Not specified
F-2045	NA 2002	No Provenience	Not specified
F-2000	NA 2002	Pit House	Not specified
F-2037	NA 2002	Pit House	Not specified
F-1986	NA 2002	Pit House	Not specified
F-2004-2	NA 2002	Pit House	Not specified
F-2009	NA 2002	Pit House	Not specified
F-1925	NA 2002	Pit House	Not specified
F-1940	NA 2002	Pit House	Not specified
F-1905	NA 2002	Pit House	Not specified
F-1866	NA 2002	Pit House	Not specified
F-2051	NA 2002	Pit House	Not specified
F-1949-2	NA 2002	Pit House	Not specified
F-1981	NA 2002	Pit House	Not specified
F-1988	NA 2002	Pit House	Not specified
F-2065	NA 2002	Pit House	Not specified
F-2047	NA 2002	Pit House	Not specified
F-2061	NA 2002	Pit House	Not specified
F-2048	NA 2002	Pit House	Not specified
F-2030	NA 2002	Pit House	Not specified
F-2208	NA 2002	Pit House	Not specified
F-2053	NA 2002	Pit House	Not specified

F-2003	NA 2002	Pit House	Not specified
F-1976	NA 2002	Pit House	Not specified
F-1881	NA 2002	Pit House	Not specified
F-1926-3	NA 2002	Pit House	Not specified
F-1935	NA 2002	Pit House	Not specified
F-2031	NA 2002	Pit House	Not specified
F-2046-3	NA 2002	Pit House	Not specified
F-2055-3	NA 2002	Pit House	Not specified
F-2034	NA 2002	Pit House	Not specified
F-1917	NA 2002	Pit House	Not specified
F-1854	NA 2002	Pit House	Not specified
F-1851	NA 2002	Pit House	Not specified
F-1897	NA 2002	Pit House	Not specified
F-2006	NA 2002	Pit House	Not specified
F-1942	NA 2002	Pit House	Not specified
F-1941	NA 2002	Pit House	Not specified
F-1832	NA 2002	Pit House	Not specified
F-2122	NA 2004A	Pit House	Not specified
F-2139-2	NA 2004A	Pit House	Not specified
F-2130	NA 2004A	Pit House	Not specified
F-2125	NA 2004A	Pit House	Not specified
F-2136	NA 2004A	Pit House	Not specified
F-2139-1	NA 2004A	Pit House	Not specified
F-2140	NA 2004A	Pit House	Not specified
F-2237	NA 2004B	Pit House	Not specified
COH-16	NA 20619	Pit House	Not specified
COH-50	NA 20619	Pit House	Not specified
COH-39a,b	NA 20619	Pit House	Not specified
COH-47a,b	NA 20619	Pit House	Not specified
COH-2abc	NA 20619	FIELD BLANK	Not specified
COH-1ab	NA 20619	FIELD BLANK	Not specified
COH-23	NA 20619	FIELD BLANK	Not specified
COH-26	NA 20619	FIELD BLANK	Not specified
COH-10ab	NA 20619	FIELD BLANK	Not specified
COH-20ab	NA 20619	FIELD BLANK	Not specified
COH-30a,b,c	NA 20619	FIELD BLANK	Not specified
COH-58a,b	NA 20619	FIELD BLANK	Not specified

COH-42a,b	NA 20619	Fea 2 Str4 N6E6 1.20 BD	Charcoal frag
COH-45a-d	NA 20619	Feat 2 pithouse	chcl frag
COH-52	NA 20619	Feat 2 pithouse	chcl frag
COH-60	NA 20619	Feat 2 pithouse	chcl frag
COH-6	NA 20619	Fea 6 S4/E1 Stratum 3 Bag 16	Charcoal frag
COH-12ab	NA 20619	Fea 6? S4:W1 Spec 1 Strat 2	Charcoal frag
COH-17ab	NA 20619	Fea 2 N2E1 1.49-1.53 BD	Charcoal frag
COH-24	NA 20619	Fea 2 N3E0 1.39-1.54 BD	Charcoal frag
COH-18	NA 20619	Fea 2 SE1/4NE NE1/4S 4E	Charcoal frag
COH-13	NA 20619	Fea 2 St4 N4E6 1.36 mbd	Charcoal frag
COH-31a,b	NA 20619	STR 2 Feat 7B	chcl frag
COH-59a,b	NA 20619	Feat 2 pithouse	chcl frag
COH-37	NA 20619	Feat 2 pithouse	chcl frag
COH-49a,b,c	NA 20619	Feat 2 pithouse	chcl frag
COH-48a,b	NA 20619	Feat 2 pithouse	chcl frag
COH-41	NA 20619	Feat 2 pithouse	chcl/wd frag
COH-44a,b	NA 20619	Fea 6 12.355 385E	Wood Charcoal frag
COH-33a,b,c,d	NA 20619	Fea 2 N 3.30E4.80	wood/charcoal frag
FLG-258	NA 20700	Fea 2 Str4 N7E4 1.27-1.45 BD	wood/charcoal frag
FLG-260	NA 20700	Fea 2 N2E2 1.36-1.38 BD	Charcoal frag
FLG-263	NA 20700	Fea 2 Str4 N7E4 1.42-1.53 BD	Charcoal frag
FLG-257	NA 20700	Fea 2 Str3B N4E5 1.30 MBD	charcoal/wood frag
FLG-261	NA 20700	Feat 2 pithouse	chcl frag
FLG-256	NA 20700	Feat 2 pithouse	chcl frag
FLG-329	NA 21103	Feat 2 pithouse	chcl frag
FLG-331a-d	NA 21103	Feat 2 pithouse	chcl frag
FLG-328	NA 21104	Feat 2 pithouse	chcl frag
F-4398	NA 2133	Feat 2 pithouse	chcl frag
F-4502	NA 2133A	Feat 2 pithouse	chcl frag
F-4509	NA 2133A	Feat 2 pithouse	chcl/wd frag
F-4510	NA 2133A	Pit House	Not specified
F-4549	NA 2133A	Pit House	Not specified
F-4584	NA 2133A	Pit House	Not specified
F-4524	NA 2133A	Pit House	Not specified

F-4531	NA 2133A	Pit House	Not specified
F-4545	NA 2133A	Test Unit 2, upright	Not specified
F-4544	NA 2133A	Feat. 3	Not specified
F-4556	NA 2133A	Feat. 3	Not specified
F-4532	NA 2133A	Feat. 41	Not specified
F-4552	NA 2133A	Cremation	Not specified
F-4555	NA 2133A	No Provenience	Not specified
F-4535	NA 2133A	No Provenience	Not specified
F-4561	NA 2133A	No Provenience	Not specified
F-4531	NA 2133A	Roof	Not specified
F-4589	NA 2133A	No. Side of doorway 1R	Not specified
F-4487	NA 2133A	Roof	Not specified
F-4520	NA 2133A	Roof	Not specified
F-4566	NA 2133A	Roof	Not specified
F-4716	NA 2133A	Roof	Not specified
F-4518	NA 2133A	Roof	Not specified
F-4517	NA 2133A	Roof	Not specified
F-4579	NA 2133A	Roof	Not specified
F-4498	NA 2133A	Roof	Not specified
F-4569	NA 2133A	Roof	Not specified
F-4506	NA 2133A	Roof	Not specified
F-4504	NA 2133A	Roof	Not specified
F-4541	NA 2133A	Roof	Not specified
F-4526	NA 2133A	Roof	Not specified
F-4491	NA 2133A	Roof	Not specified
F-4574	NA 2133A	Roof	Not specified
F-4550	NA 2133A	Roof	Not specified
F-4402	NA 2133B	Roof	Not specified
F-4457	NA 2133D	Roof	Not specified
F-4419	NA 2133D	Roof	Not specified
F-4440	NA 2133D	No Provenience	Not specified
F-4448	NA 2133D	No Provenience	Not specified
F-4426	NA 2133D	No Provenience	Not specified
F-4435	NA 2133D	No Provenience	Not specified
F-4412	NA 2133D	No Provenience	Not specified
F-4428	NA 2133D	Roof	Not specified
F-4425	NA 2133D	Roof	Not specified
F-4451	NA 2133D	Roof	Not specified
F-4416	NA 2133D	Roof	Not specified
F-4682	NA 2133G	FIELD BLANK	Not specified
F-4677	NA 2133G	FIELD BLANK	Not specified

F-3676	NA 2134A	FIELD BLANK	Not specified
F-3674-2	NA 2134A	FIELD BLANK	Not specified
F-3671	NA 2134A	FIELD BLANK	Not specified
F-4277	NA 2134A	FIELD BLANK	Not specified
F-3674-1	NA 2134A	FIELD BLANK	Not specified
F-3623	NA 2134A	FIELD BLANK	Not specified
F-3603	NA 2134A	FIELD BLANK	Not specified
F-3622	NA 2134A	FIELD BLANK	Not specified
F-3659	NA 2134A	FIELD BLANK	Not specified
F-3621	NA 2134A	FIELD BLANK	Not specified
F-3677	NA 2134A	FIELD BLANK	Not specified
F-3611	NA 2134A	FIELD BLANK	Not specified
F-3673	NA 2134A	FIELD BLANK	Not specified
F-3608	NA 2134A	FIELD BLANK	Not specified
F-3599	NA 2134A	FIELD BLANK	Not specified
F-3601	NA 2134A	FIELD BLANK	Not specified
F-3618	NA 2134A	FIELD BLANK	Not specified
F-4858	NA 2134B	FIELD BLANK	Not specified
F-4859	NA 2134B	FIELD BLANK	Not specified
F-4472	NA 2134E.1	FIELD BLANK	Not specified
F-4470	NA 2134E.1	FIELD BLANK	Not specified
F-4877	NA 2134T	FIELD BLANK	Not specified
F-4875	NA 2134T	FIELD BLANK	Not specified
F-3514	NA 2134T	FIELD BLANK	Not specified
F-4594	NA 2134T	FIELD BLANK	Not specified
F-4700	NA 2135C	FIELD BLANK	Not specified
F-4699	NA 2135C	FIELD BLANK	Not specified
F-4687	NA 2135C	FIELD BLANK	Not specified
F-4692	NA 2135C	FIELD BLANK	Not specified
F-4686	NA 2135C	FIELD BLANK	Not specified
F-4689	NA 2135C	FIELD BLANK	Not specified
F-4694	NA 2135C	FIELD BLANK	Not specified
F-4695	NA 2135C	FIELD BLANK	Not specified
COLC-1	NA 219	FIELD BLANK	Not specified
F-2646	NA 2218	FIELD BLANK	Not specified
F-4050	NA 2551	FIELD BLANK	Not specified
F-3402	NA 2551	FIELD BLANK	Not specified
F-4097	NA 2551	FIELD BLANK	Not specified
F-3976	NA 2551	FIELD BLANK	Not specified
F-4036	NA 2551	FIELD BLANK	Not specified
F-4040	NA 2551	FIELD BLANK	Not specified

FLG-332a,b	NA 25751	FIELD BLANK	Not specified
FLG-339	NA 25751	FIELD BLANK	Not specified
WAP-35	NA 25777	FIELD BLANK	Not specified
WAP-36,37	NA 25777	FIELD BLANK	Not specified
FLG-340	NA 25779	No Provenience	Not specified
FLG-345	NA 25779	No Provenience	Not specified
FLG-343	NA 25779	FIELD BLANK	Not specified
FLG-346	NA 25779	FIELD BLANK	Not specified
FLG-348	NA 25779	FIELD BLANK	Not specified
F-3960	NA 2797	FIELD BLANK	Not specified
F-3953	NA 2797	FIELD BLANK	Not specified
F-4000	NA 2798	FIELD BLANK	Not specified
F-3983-2	NA 2798	Feat. 1	Not specified
F-3996	NA 2798	Feat. 4	Not specified
F-3993	NA 2798	Feature 5.01	Not specified
F-3992	NA 2798	Feature 7.01	Not specified
F-4089	NA 2798	Feat. 1	Not specified
F-3995	NA 2798	Feat. 1	Not specified
F-4015	NA 2798	Feat. 1	Not specified
F-3997	NA 2798	Feat. 2	Not specified
F-4095	NA 2798	Feat. 2	Not specified
F-4007	NA 2798	FIELD BLANK	Not specified
F-4003	NA 2798	FIELD BLANK	Not specified
F-4020	NA 2798	FIELD BLANK	Not specified
F-3984	NA 2798	FIELD BLANK	Not specified
F-4013	NA 2798	FIELD BLANK	Not specified
F-4102	NA 2798	FIELD BLANK	Not specified
F-3987	NA 2798	FIELD BLANK	Not specified
F-4084	NA 2800	FIELD BLANK	Not specified
F-4060	NA 2800	FIELD BLANK	Not specified
F-4073	NA 2800	FIELD BLANK	Not specified
F-4076	NA 2800	FIELD BLANK	Not specified
F-4083	NA 2800	FIELD BLANK	Not specified
F-3416	NA 2800	FIELD BLANK	Not specified
F-4070	NA 2800	FIELD BLANK	Not specified
F-4072	NA 2800	FIELD BLANK	Not specified
F-4068	NA 2800	FIELD BLANK	Not specified
F-4069	NA 2800	FIELD BLANK	Not specified
F-3412	NA 2800	FIELD BLANK	Not specified
F-4058	NA 2800	FIELD BLANK	Not specified

F-3415	NA 2800	FIELD BLANK	Not specified
F-4053	NA 2800	FIELD BLANK	Not specified
F-4052	NA 2800	FIELD BLANK	Not specified
F-4079	NA 2800	FIELD BLANK	Not specified
F-4062	NA 2800	FIELD BLANK	Not specified
F-4078	NA 2800	FIELD BLANK	Not specified
F-4080	NA 2800	FIELD BLANK	Not specified
F-3443	NA 3056	FIELD BLANK	Not specified
F-3450	NA 3056	FIELD BLANK	Not specified
F-2353	NA 310	FIELD BLANK	Not specified
F-1611	NA 323	FIELD BLANK	Not specified
F-3683	NA 333	FIELD BLANK	Not specified
WAL-4	NA 334C	FIELD BLANK	Not specified
CIT-3	NA 355	FIELD BLANK	Not specified
CIT-1	NA 355	FIELD BLANK	Not specified
F-4395	NA 3577	FIELD BLANK	Not specified
F-4713	NA 3577	FIELD BLANK	Not specified
F-4712	NA 3577	FIELD BLANK	Not specified
F-4711	NA 3577	FIELD BLANK	Not specified
F-5573	NA 3577	Floor Fill	Not specified
F-5627	NA 3577	Floor Fill	Not specified
F-5594	NA 3577	FIELD BLANK	Not specified
F-5651	NA 3577	FIELD BLANK	Not specified
F-5718	NA 3577	FIELD BLANK	Not specified
F-4388	NA 3577	FIELD BLANK	Not specified
F-5583	NA 3577	No Provenience	Not specified
F-5607A	NA 3577	No Provenience	Not specified
F-5610	NA 3577	General	Char-f
F-5628	NA 3577	Structure A	Char-f
F-5654	NA 3577	Structure A	Char-f
F-6774	NA 3577	Structure A	Char-f
F-4379	NA 3577	Structure A	Char-f
F-4377	NA 3577	Structure A	Char-f
F-4705	NA 3577	Structure A	Char-f
F-4706	NA 3577	Structure B	Char-f
F-4715	NA 3577	Structure D	Char-f
F-5655	NA 3577	Structure D	Char-f
F-5696	NA 3577	Structure A	Char-f
F-5680	NA 3577	Structure A	Char-f
F-4384	NA 3577	Structure A	Char-f
F-5721A	NA 3577	Structure A	Char-f

F-5675	NA 3577	Structure C	Char-f
F-5683	NA 3577	Structure D	Char-f
F-5664	NA 3577	Structure A	Char-f
F-4703	NA 3577	Structure A	Char-f
F-5631	NA 3577	Structure A	Char-f
F-5607B	NA 3577	Structure A	Char-f
F-5586	NA 3577	Structure A	Char-f
F-5636	NA 3577	Structure C	Char-f
F-5584	NA 3577	Structure C	Char-f
F-5589	NA 3577	Structure C	Char-f
F-5702	NA 3577	Structure D	Char-f
F-5708	NA 3577	Structure D	Char-f
F-5659	NA 3577	Structure D	Char-f
F-5678	NA 3577	Structure D	Char-f
F-5665A	NA 3577	Structure D	Char-1/2s
F-5714	NA 3577	Structure A	Char-f
F-5685	NA 3577	Structure A	Char-f
F-5686A	NA 3577	Structure A	Char-f
F-4380	NA 3577	Structure A	Char-f
F-4378	NA 3577	Structure A	Char-f
F-5704	NA 3577	Structure A	Char-f
F-5679	NA 3577	Structure A	Char-f
F-5697	NA 3577	Structure C	Char-f
F-5653	NA 3577	Structure C	Char-f
F-6776	NA 3577	Structure C	Char-f
F-4268	NA 358	Structure D	Char-f
F-3286	NA 358	Structure D	Char-f
F-5741	NA 3580	Structure D	Char-f
F-5742	NA 3580	Structure D	Char-f
F-5735	NA 3580	Structure D	Char-f
F-5734	NA 3580	Structure A	Char-f
F-5730	NA 3580	Structure A	Char-f
F-5728	NA 3580	Structure C	Char-f
F-5739	NA 3580	Structure C	Char-f
F-4718	NA 3644A.1	Structure D	Char-f
F-4475	NA 3644C	Structure C	Chd-w-f
F-4482	NA 3644C	Structure D	Chd-w-f
F-4474	NA 3644C	No Provenience	Not specified
F-4476	NA 3644C	Room 3	Not specified
F-4640	NA 3644J	Test No. 2	Char-f
F-4637	NA 3644J	Plank	Char-fs

F-4638	NA 3644J	T1 No. 2	Char-f
F-4645	NA 3644K	T1 No. 2	Char-f
F-4622	NA 3644M	Test No. 2	Char-f
F-4615	NA 3644M	Test No. 2	Char-f
F-4633	NA 3644M	Test No. 2	Section Chd-wd
F-4617	NA 3644M	FIELD BLANK	Not specified
F-4616	NA 3644M	FIELD BLANK	Not specified
F-4613	NA 3644P	FIELD BLANK	Not specified
F-4614	NA 3644P	FIELD BLANK	Not specified
F-4610	NA 3644P	FIELD BLANK	Not specified
F-4662	NA 3644Q	FIELD BLANK	Not specified
F-4659	NA 3644Q	FIELD BLANK	Not specified
F-4846	NA 3673T*	FIELD BLANK	Not specified
F-4850	NA 3673T*	FIELD BLANK	Not specified
F-4753	NA 3673T*	FIELD BLANK	Not specified
F-4874	NA 3673T*	FIELD BLANK	Not specified
F-4855	NA 3673T*	FIELD BLANK	Not specified
F-4860	NA 3674R	FIELD BLANK	Not specified
F-4861	NA 3674R	FIELD BLANK	Not specified
F-5340-2	NA 3996	FIELD BLANK	Not specified
F-5284	NA 3996	FIELD BLANK	Not specified
F-5271	NA 3996	FIELD BLANK	Not specified
WPT-362	NA 405	FIELD BLANK	Not specified
WPT-533	NA 405	FIELD BLANK	Not specified
WPT-530	NA 405	FIELD BLANK	Not specified
WPT-518	NA 405	FIELD BLANK	Not specified
WPT-503	NA 405	FIELD BLANK	Not specified
F-3766	NA 405	FIELD BLANK	Not specified
F-5455	NA 405	FIELD BLANK	Not specified
F-3829	NA 405	FIELD BLANK	Not specified
F-2351	NA 405	FIELD BLANK	Not specified
F-4210	NA 405	No Provenience	Not specified
F-1613 A-C	NA 405	No Provenience	Not specified
F-2947	NA 405	No Provenience	Not specified
WPT-253-1	NA 405	RM 16	Not specified
WPT-253-3	NA 405	RM 52, WOOD PILE	Not specified
WPT-253-4	NA 405	FIELD BLANK	Not specified
WPT-331	NA 405	RM 52, WOOD PILE	Not specified
F-3792	NA 405	RM 52, WOOD PILE	Not specified

F-3713	NA 405	S3X22; X27; X32	Not specified
F-3778	NA 405	E SIDE OF N UNIT	Not specified
F-3729	NA 405	F-3829: N/A; F-3910: RM 41	Not specified
F-3737	NA 405	N/A	Not specified
F-2587	NA 405	N/A	Not specified
F-3832	NA 405	N/A	Not specified
WPT-65	NA 405	RM 35 (WPT-25 A-C: SE SIDE OF NE RUIN)	Not specified
WPT-133 A-D	NA 405	RM 80	Not specified
WPT-2	NA 405	RM 80	Not specified
F-2524	NA 405	RM 80	Not specified
WPT-392	NA 405	RM 83	Not specified
F-3703	NA 405	S.3	Not specified
F-3017	NA 405	S.4	Not specified
WPT-158	NA 405	S.4	Not specified
WPT-162 A,B	NA 405	S4	Not specified
F-2995	NA 405	S4-130	Not specified
WPT-483	NA 405	N/A	Not specified
F-4202	NA 405	N/A	Not specified
F-3708	NA 405	AB TALUS	Not specified
WPT-240	NA 405	N/A	Not specified
WPT-229	NA 405	N/A	Not specified
WPT-30	NA 405	N/A (WPT-5: SOUTH LOG PILE)	Not specified
WPT-87	NA 405	RM 25	Not specified
F-3853	NA 405	RM 3	Not specified
F-3871	NA 405	RM 35, ROOF B (WPT-10: RM 13 ROOF; WPT-344: N/A; WPT-411: RM 52, WOOD PILE)	Not specified
F-2983	NA 405	RM 44	Not specified
F-3741	NA 405	RM 46	Not specified
F-3815	NA 405	RM 46, ROOF B	Not specified
F-3884	NA 405	RM 52, WOOD PILE	Not specified
WPT-239	NA 405	RM 61, ROOF A	Not specified
F-2235	NA 405	RM 73	Not specified
F-2540	NA 405	RM 73	Not specified
F-2525	NA 405	RM 80/81; RM 73	Not specified
WPT-261	NA 405	RM A; N/A	Not specified
F-2980	NA 405	RM F	Not specified
WPT-322 A,B	NA 405	S4.52	Not specified
F-3746	NA 405	S4-30	Not specified

F-3755-1	NA 405	WPT-456: RM 52, WOOD PILE; F-2983: N/A	Not specified
F-3781	NA 405	WPT-474: RM 52, WOOD PILE; F-3741: S4-126	Not specified
F-3903	NA 405	FIELD BLANK	Not specified
WPT-343	NA 405	FIELD BLANK	Not specified
WPT-132 A,B	NA 405	N/A	Not specified
WPT-109	NA 405	N/A	Not specified
F-2522	NA 405	N/A	Not specified
F-2547	NA 405	N/A (WPT-403: RM 52, WOOD PILE)	Not specified
F-1614	NA 405	RM 25	Not specified
WPT-2525	NA 405	RM 45; ROOF B	Not specified
WPT-29	NA 405	RM 81	Not specified
WPT-4	NA 405	F-3746: RM 41; F-3811: N/A; F-3860: S4-36; WPT-477: N/A; WPT-493: RM 52, WOOD PILE	Not specified
F-2990	NA 405	F-3755-1: N/A; F-3809: S2.22	Not specified
WPT-1	NA 405	F-3781: RM 41; WPT-405: RM 52, WOOD PILE	Not specified
F-2536	NA 405	F-3903: S.4-12; WPT-160: RM 42; WPT-453: RM 52, WOOD PILE	Not specified
F-3705	NA 405	N/A	Not specified
F-2948	NA 405	N/A	Not specified
F-3213	NA 405	N/A	Not specified
F-3215	NA 405	N/A	Not specified
F-3010	NA 405	N/A	Not specified
F-3007	NA 405	N/A	Not specified
F-3016	NA 405	N/A	Not specified
F-3009	NA 405	N/A	Not specified
F-3022	NA 405	N/A	Not specified
WPT-136	NA 405	N/A	Not specified
WPT-155	NA 405	N/A	Not specified
F-2984	NA 405	N/A (WPT-85: RM F)	Not specified
WPT-161	NA 405	RM 3, X 1	Not specified
WPT-163	NA 405	RM 35	Not specified
F-3849	NA 405	RM 35	Not specified
WPT-413	NA 405	RM 35	Not specified
F-3704	NA 405	RM 35, ROOF B	Not specified
WPT-251	NA 405	RM 35, ROOF B	Not specified
WPT-252 A,B	NA 405	RM 35, ROOF B	Not specified
WPT-13	NA 405	RM 35, ROOF B (N/A?)	Not specified

WPT-19 A-D	NA 405	RM 35, ROOF B (WPT-398: RM 52, WOOD PILE)	Not specified
WPT-15 A,B	NA 405	RM 38	Not specified
WPT-18	NA 405	RM 44	Not specified
WPT-33	NA 405	RM 45, ROOF A	Not specified
F-3875	NA 405	RM 46	Not specified
F-3725	NA 405	RM 47	Not specified
F-3858	NA 405	RM 52, WOOD PILE	Not specified
WPT-24 A,B	NA 405	RM 52, WOOD PILE	Not specified
WPT-3	NA 405	RM 73	Not specified
WPT-31	NA 405	RM 80	Not specified
F-3886	NA 405	RM 80	Not specified
F-3784	NA 405	RM 9	Not specified
F-3813	NA 405	RM A	Not specified
WPT-67	NA 405	RM A	Not specified
WPT-75	NA 405	RM A	Not specified
WPT-54	NA 405	RM A	Not specified
F-3749-2	NA 405	S.4	Not specified
F-3758	NA 405	S4-107 (F-3834, 3837, 3840: SA.49; F-3889: S4.98; WPT-9: N/A; WPT-535: RM 52, WOOD PILE)	Not specified
F-3761	NA 405	S4-85	Not specified
F-3807	NA 405	SE SIDE OF NE RUIN	Not specified
F-3862	NA 405	SOUTH LOG PILE	Not specified
F-3905	NA 405	WPT-31: RM A; WPT-37: N/A	Not specified
F-2519	NA 405	WPT-407: RM 52, WOOD PILE; F-3879: S4-15; F-3886: S4-19	Not specified
WPT-51	NA 405	WPT-473: RM 52, WOOD PILE; F-3784: S3X29	Not specified
WPT-129	NA 405	FIELD BLANK	Not specified
WPT-107 A,B	NA 405	AB TALUS	Not specified
F-2535	NA 405	AB TALUS	Not specified
WPT-354	NA 405	AB TALUS	Not specified
F-2538	NA 405	F-3749-2: RM 41; WPT-485: N/A	Not specified
WPT-345	NA 405	F-3758: S3X2; WPT-418: RM 52, WOOD PILE	Not specified
WPT-81	NA 405	F-3761: N/A; F-3764: RM 30; F-3810: S2.22; WPT-21-2: NE RUIN LOOSE; WPT-301: N/A	Not specified
WPT-32	NA 405	F-3807, 3808: N/A; WPT-433, 438: RM 52, WOOD PILE	Not specified

WPT-383	NA 405	F-3862: S.4; GP-1584: N/A; WPT-449: RM 52, WOOD PILE	Not specified
F-3822	NA 405	F-3905: S.4; WPT-429: RM 52, WOOD PILE	Not specified
WPT-44-2 A,B	NA 405	N/A	Not specified
WPT-128	NA 405	N/A	Not specified
WPT-127	NA 405	N/A	Not specified
F-3747	NA 405	N/A	Not specified
WPT-341	NA 405	N/A	Not specified
F-3216	NA 405	N/A	Not specified
F-2973	NA 405	N/A	Not specified
F-3048	NA 405	N/A	Not specified
F-3030	NA 405	N/A	Not specified
WPT-138 A,B	NA 405	N/A	Not specified
F-3736	NA 405	N/A	Not specified
F-3923	NA 405	N/A	Not specified
F-3709	NA 405	N/A	Not specified
WPT-148	NA 405	N/A	Not specified
WPT-145	NA 405	N/A	Not specified
WPT-144	NA 405	RM 1	Not specified
WPT-147	NA 405	RM 35	Not specified
F-2964	NA 405	RM 35	Not specified
WPT-143	NA 405	RM 35 (WPT-8: N/A)	Not specified
WPT-154	NA 405	RM 36, ROOF C	Not specified
F-2985	NA 405	RM 36, ROOF C	Not specified
F-2982	NA 405	RM 38	Not specified
F-2993	NA 405	RM 4	Not specified
F-3002	NA 405	RM 41	Not specified
F-2996	NA 405	RM 41	Not specified
WPT-475	NA 405	RM 44	Not specified
WPT-228	NA 405	RM 44	Not specified
F-3669	NA 405	RM 44	Not specified
F-3706	NA 405	RM 44	Not specified
F-3707	NA 405	RM 44	Not specified
WPT-255 A,B	NA 405	RM 44	Not specified
F-3702	NA 405	RM 44	Not specified
WPT-21-1	NA 405	RM 45, ROOF A	Not specified
WPT-27	NA 405	RM 45; ROOF A (WPT-435: RM 52, WOOD PILE)	Not specified
WPT-46	NA 405	RM 46, ROOF B	Not specified

WPT-104	NA 405	RM 46, ROOF B	Not specified
WPT-90-2	NA 405	RM 46, ROOF B	Not specified
WPT-100 A,B	NA 405	RM 52, WOOD PILE	Not specified
F-3891-1	NA 405	RM 58	Not specified
F-2532	NA 405	RM 7	Not specified
F-3836	NA 405	RM 73	Not specified
F-3859	NA 405	RM 73	Not specified
F-3748	NA 405	RM 80	Not specified
F-3868	NA 405	RM A	Not specified
F-3895	NA 405	RM A	Not specified
F-2234	NA 405	RM A	Not specified
F-3902	NA 405	RM B	Not specified
F-3847	NA 405	RM F	Not specified
F-1011	NA 408A	RM F	Not specified
F-999	NA 408A	RM F	Not specified
F-713	NA 408A	S.4	Not specified
F-832	NA 408A	S.4	Not specified
F-721	NA 408A	S4.49	Not specified
F-717	NA 408A	S4.51	Not specified
F-1040	NA 408A	S4-135	Not specified
F-1024	NA 408A	S4-38	Not specified
WAP-12	NA 420	S4-58	Not specified
WAP-20	NA 420	FIELD BLANK	Not specified
WAP-9,27	NA 420	FIELD BLANK	Not specified
WAP-10	NA 420	FIELD BLANK	Not specified
WAP-25	NA 420	Near center of room	Not specified
WAP-14	NA 420	No Provenience	Not specified
WAP-29	NA 420	SE Post	Not specified
WAP-26	NA 420	Board in front end	Not specified
WAP-18	NA 420	Board in front end	Not specified
WAP-13	NA 420	Board in front end	Not specified
WAP-6	NA 420	SW Post	Not specified
WAP-7	NA 420	Vestibule Posts	Not specified
WAP-2	NA 420	Feature 11	Not specified
WAP-23	NA 420	Feature 11	Not specified
WAP-15	NA 420	Feature 11	Not specified
WAP-3	NA 420	Feature 11.04	Not specified
WAP-4	NA 420	Feature 27	Not specified
F-4264	NA 4264	Feature 27	Not specified

F-6182	NA 4265	Feature 27	Not specified
FLG-78	NA 4265	Feature 27.01	Not specified
F-6092	NA 4317	Feature 11	Not specified
F-6773	NA 4317	Feature 11	Not specified
F-6032	NA 4317	Feature 11	Not specified
F-6041	NA 4317	Feature 11	Not specified
F-6107	NA 4317	Feature 11	Not specified
F-6030	NA 4317	Feature 11	Not specified
F-6036	NA 4317	Feature 11	Not specified
F-6037	NA 4317	Feature 11	Not specified
F-6124B	NA 4317	Feature 11	Not specified
F-6089	NA 4317	No Provenience	Not specified
F-6044	NA 4317	No Provenience	Not specified
F-6087	NA 4317	No Provenience	Not specified
F-6049	NA 4317	Room 11	Char-f
F-6028	NA 4317	?	Rt-wd-s
F-6042	NA 4317	Room 3	Char-f
F-6018	NA 4317	Room 3	Char-f
F-6125	NA 4317	Above Burial 6	Rt-wd-f
F-6054B	NA 4317	Burial 3	Rt-wd-f
F-6019	NA 4317	Burial 3	Rt-wd-f
F-6035B	NA 4317	Burial 3	Rt-wd-f
F-6035A	NA 4317	Room 11	Char-f
F-6024	NA 4317	Room 11	Char-f
F-6043	NA 4317	Room 1	Char-f
F-6112	NA 4317	Room 11	Char-f
F-6102	NA 4317	Room 3	Char-f
F-5564	NA 5137	A-9	Rt-wd-f
F-5916	NA 5137	Burial 3	Rt-wd-f
F-5566	NA 5137	Burial 3	Rt-wd-f
F-5910-1	NA 5137	Burial 7	Rt-wd-f
F-5920	NA 5137	Room 3	Rt-wd-f
F-5916-1	NA 5137	Room 3	Rt-wd-f
F-5916-3	NA 5137	Burial 3	Rt-wd-fs
F-5918	NA 5137	Burial 3	Rt-wd-fs
F-5917	NA 5137	Burial 3	Rt-wd-fs
F-5918-1	NA 5137	Burial 3	Rt-wd-s
F-5858?	NA 5149	Room 9	Rt-wd-s
F-5563	NA 5149	TE B6	Rt-wd-s
F-6979	NA 5149	Structure B	Char-f
F-5561	NA 5149	Structure G	Char-1/2s

F-5843	NA 5149	Structure B	Char-f
F-5871	NA 5149	Structure B	Char-f
F-5852	NA 5149	Structure F	Char-f
F-6777	NA 5149	Structure G	Char-f
F-5847	NA 5149	Structure G	Char-f
F-5557	NA 5149	Structure H	Char-f
F-5868	NA 5149	Structure H	Char-f
F-5560	NA 5149	Structure H	Char-f
F-5867	NA 5149	Room 1 (Ramada)	Char-f
F-5556	NA 5149	Room 1 (Ramada)	Char-s
F-5870	NA 5149	Room 1 (Ramada)	Char-f
F-5847-1	NA 5149	Room 1 (Ramada)	Char-f
F-5860	NA 5149	Room 1 (Ramada)	Char-f
F-5858	NA 5149	Room 5	Rt-wd-f
F-5560	NA 5149	Room 1 (Ramada)	Char-f
F-5847-2	NA 5149	Room 1 (Ramada)	Char-f
F-5845	NA 5149	Room 1 (Ramada)	Char-f
F-5854-1	NA 5149	Room 1 (Ramada)	Char-f
F-5855	NA 5149	Room 1 (Ramada)	Char-f
F-5844	NA 5149	Room 1 (Ramada)	Char-f
F-5842	NA 5149	Room 1 (Ramada)	Char-f
F-5559	NA 5149	Room 1 (Ramada)	Char-f
APS-2	NA 5150	Room 1 (Ramada)	Char-f
F-5901	NA 5150B	Room 1 (Ramada)	Char-f
F-5897	NA 5150B	Room 1 (Ramada)	Char-f
F-5898	NA 5150B	Room 1 (Ramada)	Char-f
F-5900	NA 5150B	Room 1 (Ramada)	Char-f
F-5899	NA 5150B	Room 1 (Ramada)	Char-f
F-5904-1	NA 5155	Room 1 (Ramada)	Char-f
F-5908	NA 5155	Room 1 (Ramada)	Char-f
F-5904	NA 5155	Room 1 (Ramada)	Char-f
F-5550	NA 5159	Room 1 (Ramada)	Char-f
F-5547	NA 5159	Room 1 (Ramada)	Char-f
F-5549	NA 5159	Room 1 (Ramada)	Char-s
F-5923	NA 5159	5150D, fill above matate frag.	Not specified
F-5551	NA 5159	FIELD BLANK	Rt-wd-f
F-5546	NA 5159	Post in West wall	Rt-wd-f
F-5752	NA 5160	Passageway	Char-f
F-5774	NA 5160	0-60 cm.	Char-f
F-5779	NA 5160	Post in Passage	Rt-wd-f
F-5756	NA 5160	Floor	Char-f

F-5758	NA 5160	Alcove	Rt-wd-f
F-5749-1	NA 5160	Floor	Rt-wd-f
F-5749	NA 5160	Misc.	Chd-wd-f
F-5771	NA 5160	Beam C	Char-1/4s
F-5769	NA 5160	Beam A	Char-f
F-5753	NA 5160	Beam D	Char-f
F-5748	NA 5160	Post 4	Char-f
F-5750	NA 5160	Post G	Char-f
F-5770	NA 5160	Structure A	Char-f
F-5755	NA 5160	Structure A	Char-f
F-5781	NA 5160	Structure A	Char-f
F-5780	NA 5160	Structure A	Char-f
F-5757	NA 5160	Structure A	Char-f
F-5831	NA 5161	Structure A	Char-f
F-5824	NA 5161	Structure A	Char-f
F-5832-1	NA 5161	2	Char-f
F-5823-1	NA 5161	2	Char-f
F-5832	NA 5161	Structure A	Char-f
F-5821	NA 5161	Structure A	Char-f
F-5823	NA 5161	Structure A	Char-f
F-5875	NA 5166c	Structure A	Char-f
F-5877	NA 5166c	Structure A	Char-f
F-5896	NA 5166c	Structure B	Char-f
F-5536	NA 5166c	Structure B	Char-f
F-5535	NA 5166c	2	Chd-wd-f
F-5535-1	NA 5166c	NA 5161 A 80 cm	Char-f
F-5880A	NA 5166c	NA 5161 A 80 cm.	Char-f
F-5879A	NA 5166c	NA 5161 A 60-80 cm	Char-f
F-5542	NA 5166c	NA 5161 A 60-80 cm	Char-f
F-5538	NA 5166c	NA 5161 A 60-80 cm	Char-f
F-5876	NA 5166c	NA 5161 A 80 mm	Char-f
F-5874	NA 5166c	NA 5161 A 60-80 cm	Char-f
F-5540	NA 5166c	Pithouse C	Not specified
F-5881A	NA 5166c	Pithouse C	Not specified
F-5888	NA 5166c	Pithouse C	Not specified
F-5545	NA 5166c	Pithouse C	Not specified
F-5539	NA 5166c	Pithouse C	Not specified
F-5544	NA 5166c	Pithouse C	Not specified
F-5881	NA 5166c	Pithouse C	Not specified
F-5879	NA 5166c	Pithouse C	Not specified
F-5882	NA 5166c	Pithouse C	Not specified

F-5814	NA 5167b	Pithouse C	Not specified
F-5797	NA 5168	Pithouse C	Not specified
F-5798	NA 5168	Pithouse C	Not specified
F-5784-6	NA 5168	Pithouse C	Not specified
F-5791	NA 5168	Pithouse C	Not specified
F-5555	NA 5168	Pithouse C	Not specified
F-5784-8	NA 5168	Pithouse C	Not specified
F-5784-7	NA 5168	Pithouse C	Not specified
F-5788	NA 5168	Pithouse C	Not specified
F-5784-3	NA 5168	Pithouse C	Not specified
F-5785	NA 5168	Pithouse C	Not specified
F-5784-5	NA 5168	Pithouse C	Not specified
F-5784-4	NA 5168	Floor	Section Chd-wd-
F-5569	NA 5168	Ramada	Char-f
F-5802	NA 5168	Ramada	Char-f
F-5567	NA 5168	Ramada	Char-f
F-5800	NA 5168	Ramada	Char-f
F-5568	NA 5168	Ramada	Char-f
F-5567-1	NA 5168	Ramada	Char-f
F-5793	NA 5168	Ramada	Char-f
F-5801	NA 5168	Ramada	Char-f
F-5792	NA 5168	Ramada	Char-f
F-5786	NA 5168	Ramada	Char-f
F-5784-2	NA 5168	Ramada	Char-f
F-5784-1	NA 5168	Ramada	Char-f
F-5809	NA 5168	Ramada	Char-1/2s
F-2648	NA 534	Ramada	Char-br and sec
F-6113	NA 5817	Ramada	Char-f
F-6115	NA 5817	Ramada	Char-f
F-6118	NA 5817	Ramada	Char-f
F-6211	NA 5866	Ramada	Char-f
F-6133	NA 5903	Ramada	Char-f
F-6134	NA 5903	Ramada	Char-f
THP-10	NA 660	Ramada	Char-f
THP-1-1	NA 660	Ramada	Char-f
THP-1-2	NA 660	Ramada	Char-f
THP-9	NA 660	Ramada	Char-f
TKP-201	NA 700	Ramada	Chd-wd-s
TKP-207	NA 700	No Provenience	Not specified
TKP-208	NA 700	Room 1	Rt-wd-f
TKP-204	NA 700	Room 1	Rt-wd-f

TKP-206	NA 700	Room 1	Rt-wd-f
TKP-157	NA 700	No Provenience	Not specified
TKP-143	NA 700	No Provenience	Not specified
TKP-160	NA 700	No Provenience	Not specified
TKP-164	NA 700	No Provenience	Not specified
TKP-126	NA 700	No Provenience	Not specified
TKP-170	NA 700	No Provenience	Not specified
TKP-115	NA 700	No Provenience	Not specified
TKP-81	NA 700	Miscellaneous	Not specified
TKP-112	NA 700	Room C	Not specified
TKP-83	NA 700	Room C	Not specified
TKP-92	NA 700	Room C	Not specified
TKP-116	NA 700	Room C	Not specified
TKP-118	NA 700	Room D	Not specified
TKP-108	NA 700	Room D	Not specified
TKP-234	NA 700	Room D	Not specified
TKP-238	NA 700	Room D	Not specified
TKP-250	NA 700	Room D	Not specified
TKP-241	NA 700	Room D	Not specified
TKP-290	NA 700	Room G	Not specified
TKP-312	NA 700	Room G	Not specified
TKP-323	NA 700	Room G	Not specified
TKP-58	NA 700	Room G	Not specified
TKP-255	NA 700	Room G	Not specified
TKP-21	NA 700	Room G	Not specified
TKP-205	NA 700	Room G	Not specified
TKP-211	NA 700	Room G	Not specified
TKP-18	NA 700	Room L	Not specified
TKP-16	NA 700	Room M-1, fill'	Not specified
TKP-20	NA 700	Room N	Not specified
TKP-22	NA 700	Room N	Not specified
TKP-17	NA 700	Room V	Not specified
TKP-185	NA 700	Room W	Not specified
TKP-11	NA 700	Room W	Not specified
TKP-176	NA 700	Structure A	Not specified
TKP-12	NA 700	Room N	Not specified
TKP-6	NA 700	Room C	Not specified
TKP-140	NA 700	Room C	Not specified
TKP-127	NA 700	Room C	Not specified
TKP-144	NA 700	Room C	Not specified
TKP-8	NA 700	Room C	Not specified

TKP-122	NA 700	Room C	Not specified
TKP-94	NA 700	Room C	Not specified
TKP-101	NA 700	Room C	Not specified
TKP-111	NA 700	Room D	Not specified
TKP-226	NA 700	Room D	Not specified
TKP-281	NA 700	Room D	Not specified
TKP-289	NA 700	Room D	Not specified
TKP-64	NA 700	Room D	Not specified
TKP-77	NA 700	Room D	Not specified
TKP-74	NA 700	Room D	Not specified
TKP-61	NA 700	Room D	Not specified
TKP-203	NA 700	Room D	Not specified
TKP-209	NA 700	Room D	Not specified
TKP-169	NA 700	Room G	Not specified
TKP-161	NA 700	Room G	Not specified
TKP-168	NA 700	Room G	Not specified
TKP-159	NA 700	Room L	Not specified
TKP-189	NA 700	Room V	Not specified
TKP-128	NA 700	Room V	Not specified
TKP-130	NA 700	Structure A	Not specified
TKP-132	NA 700	Structure A	Not specified
TKP-134	NA 700	Structure A	Not specified
TKP-153	NA 700	Structure A	Not specified
TKP-154	NA 700	Structure C	Not specified
TKP-167	NA 700	Room C	Not specified
TKP-173	NA 700	Room D	Not specified
TKP-156	NA 700	Room D	Not specified
TKP-99	NA 700	Room D	Not specified
TKP-87	NA 700	Room D	Not specified
TKP-86	NA 700	Room D	Not specified
TKP-96	NA 700	Room D	Not specified
TKP-117	NA 700	Room D	Not specified
TKP-102	NA 700	Room D	Not specified
TKP-89	NA 700	Room D	Not specified
TKP-233	NA 700	Room D	Not specified
TKP-230	NA 700	Room D	Not specified
TKP-214	NA 700	Room D	Not specified
TKP-217	NA 700	Room D	Not specified
TKP-219	NA 700	Room D	Not specified
TKP-222	NA 700	Room G	Not specified
TKP-229	NA 700	Room G	Not specified

TKP-220	NA 700	Room G	Not specified
TKP-264	NA 700	Room G	Not specified
TKP-252	NA 700	Room G	Not specified
TKP-254	NA 700	Room G	Not specified
TKP-240	NA 700	Room G	Not specified
TKP-245	NA 700	Room L	Not specified
TKP-258	NA 700	Room L	Not specified
TKP-262	NA 700	Room L	Not specified
TKP-263	NA 700	Room L	Not specified
TKP-248	NA 700	Room L	Not specified
TKP-243	NA 700	Room L	Not specified
TKP-246	NA 700	Room L	Not specified
TKP-288	NA 700	Room L	Not specified
TKP-319	NA 700	Room N	Not specified
TKP-296	NA 700	Room N	Not specified
TKP-302	NA 700	Room N	Not specified
TKP-314	NA 700	Room N	Not specified
TKP-294	NA 700	Room N	Not specified
TKP-311	NA 700	Room N	Not specified
TKP-309	NA 700	Room N	Not specified
TKP-295	NA 700	Room N	Not specified
TKP-308	NA 700	Room N	Not specified
TKP-301	NA 700	Room N	Not specified
TKP-316	NA 700	Room N	Not specified
TKP-321	NA 700	Room V	Not specified
TKP-324	NA 700	Room W	Not specified
TKP-299	NA 700	Room W	Not specified
TKP-317	NA 700	Room W	Not specified
TKP-320	NA 700	Room W	Not specified
TKP-298	NA 700	Room W	Not specified
TKP-353	NA 700	Room W	Not specified
TKP-343	NA 700	Room W	Not specified
TKP-338	NA 700	Room W	Not specified
TKP-352	NA 700	Room W	Not specified
TKP-292	NA 700	Room W	Not specified
TKP-354	NA 700	Room W	Not specified
TKP-325	NA 700	Room W	Not specified
TKP-328	NA 700	Room W	Not specified
TKP-330	NA 700	Room W	Not specified
TKP-331	NA 700	Room W	Not specified
TKP-333	NA 700	Room W	Not specified

TKP-334	NA 700	Room W	Not specified
TKP-335	NA 700	Room X	Not specified
TKP-337	NA 700	Room X	Not specified
TKP-339	NA 700	Room X	Not specified
TKP-342	NA 700	Room X	Not specified
TKP-345	NA 700	Room X	Not specified
TKP-347	NA 700	Room X	Not specified
TKP-54	NA 700	Room X	Not specified
TKP-107	NA 700	Room X	Not specified
TKP-336	NA 700	Room X	Not specified
TKP-177	NA 700	Room X	Not specified
TKP-163	NA 700	Room X	Not specified
TKP-171	NA 700	Room X	Not specified
TKP-186	NA 700	Room X	Not specified
TKP-4	NA 700	Room X	Not specified
TKP-147	NA 700	Room X	Not specified
TKP-191	NA 700	Room X	Not specified
TKP-2	NA 700	Room X	Not specified
TKP-155	NA 700	Room X	Not specified
TKP-180	NA 700	Structure A	Not specified
TKP-188	NA 700	Room G	Not specified
TKP-192	NA 700	Room X	Not specified
TKP-181	NA 700	Room D	Not specified
TKP-184	NA 700	Room D	Not specified
TKP-7	NA 700	Room D	Not specified
TKP-178	NA 700	Room D	Not specified
TKP-175	NA 700	Room D	Not specified
TKP-9	NA 700	Room D	Not specified
TKP-104	NA 700	Room D	Not specified
TKP-100	NA 700	Room D	Not specified
TKP-103	NA 700	Room D	Not specified
TKP-109	NA 700	Room D	Not specified
TKP-120	NA 700	Room D	Not specified
TKP-88	NA 700	Room D	Not specified
TKP-215	NA 700	Room D	Not specified
TKP-259	NA 700	Room D	Not specified
TKP-249	NA 700	Room D	Not specified
TKP-251	NA 700	Room D	Not specified
TKP-265	NA 700	Room D	Not specified
TKP-256	NA 700	Room D	Not specified
TKP-310	NA 700	Room G	Not specified

TKP-38	NA 700	Room G	Not specified
TKP-75	NA 700	Room G	Not specified
TKP-62	NA 700	Room G	Not specified
TKP-26	NA 700	Room G	Not specified
TKP-44	NA 700	Room G	Not specified
TKP-33	NA 700	Room L	Not specified
TKP-69	NA 700	Room N	Not specified
TKP-80	NA 700	Room N	Not specified
TKP-67	NA 700	Room N	Not specified
FLG-80	NA 72	Room N	Not specified
F-6201	NA 7207	Room N	Not specified
F-6210	NA 7207	Room X	Not specified
F-6202	NA 7207	Structure A	Not specified
F-6274	NA 7207	Structure A	Not specified
F-6214	NA 7207	Structure A	Not specified
F-6257	NA 7207	Structure A	Not specified
F-6231	NA 7207	Structure A	Not specified
F-6233	NA 7207	Structure A	Not specified
F-6238	NA 7207	Structure A	Not specified
F-6200	NA 7207	Structure A	Not specified
F-6266	NA 7207	Structure A	Not specified
F-6258	NA 7207	No Provenience	Not specified
F-6254	NA 7207	Pithouse A	Not specified
F-6242	NA 7207	Pithouse A	Not specified
F-6244	NA 7207	Pithouse A	Not specified
F-6251	NA 7207	Structure L	Not specified
F-6259	NA 7207	No Provenience	Not specified
F-6268	NA 7207	Structure Q	Not specified
F-6269	NA 7207	No Provenience	Not specified
F-6252	NA 7207	No Provenience	Not specified
WAL-5	NA 730	No Provenience	Not specified
WAL-3	NA 730	Pithouse A	Not specified
AIM-10	NA 730	Structure Q	Not specified
F-2385	NA 739A	Structure Q	Not specified
F-2386	NA 739A	Structure Q	Not specified
FLG-9	NA 8507	Structure Q	Not specified
F-181	NA 862	Structure Q	Not specified
F-223	NA 862	Structure Q	Not specified
F-209	NA 862	Structure Q	Not specified
F-246	NA 862	Structure Q	Not specified
F-310	NA 862	Structure Q	Not specified

DMF-3	NA 862	Structure Q	Not specified
DMF-4	NA 862	FIELD BLANK	Not specified
F-133	NA 862	FIELD BLANK	Not specified
F-124	NA 862	FIELD BLANK	Not specified
F-199	NA 862	FIELD BLANK	Not specified
F-235	NA 862	FIELD BLANK	Not specified
F-234	NA 862	Trash Mound G5-9	Not specified
F-319	NA 862	Room East II	Not specified
F-266	NA 862	Room East III	Not specified
F-265	NA 862	Room East III	Not specified
F-103	NA 862	Room IV	Not specified
F-179	NA 862	Room IV	Not specified
F-207	NA 862	No Provenience	Not specified
F-215	NA 862	No Provenience	Not specified
F-198	NA 862	Room East II	Not specified
F-228	NA 862	Room East II	Not specified
F-201	NA 862	Room East III	Not specified
F-197	NA 862	Room East III	Not specified
F-205	NA 862	Room East III	Not specified
F-225	NA 862	Room IV	Not specified
F-244	NA 862	Room IV	Not specified
F-296	NA 862	Room IV	Not specified
F-253	NA 862	Room East I	Not specified
F-268	NA 862	Room East II	Not specified
F-278	NA 862	Room East III	Not specified
F-305	NA 862	Room East III	Not specified
F-274	NA 862	Room East III	Not specified
F-260	NA 862	Room East III	Not specified
F-241	NA 862	Room East III	Not specified
F-88-1	NA 863	Room East III	Not specified
FLG-25	NA 8723	Room East III	Not specified
FLG-28	NA 8723	Room IV	Not specified
FLG-29	NA 8723	Room IV	Not specified
FLG-30	NA 8723	Room IV	Not specified
FLG-51	NA 8735	Room IV	Not specified
FLG-48	NA 8735	Room IV	Not specified
FLG-70	NA 8737	Room IV	Not specified
F-5987	NA 886	Room IV	Not specified
WRG-1	NA 9032	Room IV	Not specified
V-1	No Number	Room IV	Not specified
CHP-12	No Number	Room IV	Not specified

CHP-15	No Number	2nd level fire pit	Not specified
CHP-14	No Number	Pithouse 2	Not specified
CHP-17	No Number	Pithouse 2	Not specified
CHP-123	No Number	Pithouse 2	Not specified
CHP-126a,b	No Number	Pithouse 3	Not specified
CHP-124	No Number	Pithouse 1, annex	Not specified
VER-1	No Number	Pithouse 1, annex	Not specified
RRR-1	No Number	Pithouse 1, vent	Not specified
RRR-13	No Number	No Provenience	Not specified
RRR-7	No Number	NA 9032	Not specified
ADT-181	Site MU 38	Feature 120	Not specified
ADT-182	Site MU 38	Feature 143	Not specified
ENR-18	Site442-93(OCA)	Feature 143	Not specified
ENR-22	Site442-93(OCA)	Feature 143	Not specified
ENR-21	Site442-93(OCA)	Unknown	Not specified
ENR-23	Site442-93(OCA)	Feature 10	Not specified
ENR-19	Site442-93(OCA)	Feature 10	Not specified
ENR-49	Site442-93(OCA)	Feature 10	Not specified
ENR-59	Site442-93(OCA)	Feature 10	Not specified
ENR-53	Site442-93(OCA)	Feature 10	Not specified
ENR-51	Site442-93(OCA)	Feature 10	Not specified
ENR-57	Site442-93(OCA)	Feature 10	Not specified
ENR-50	Site442-93(OCA)	Structure 2	Not specified
ENR-52	Site442-93(OCA)	Structure 2	Not specified