PREHISTORIC USE OF THE ALPINE SIERRA NEVADA: ARCHAEOLOGICAL INVESTIGATIONS AT TABOOSE PASS, KINGS CANYON NATIONAL PARK, CALIFORNIA

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B.A. University of California, Davis 1995

THESIS

Submitted in partial satisfaction of
The requirements for the degree of

MASTER OF ARTS

in

Anthropology

at

CALIFORNIA STATE UNIVERSITY, SACRAMENTO

FALL
2002

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A Thesis

by

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Abstract

of

PREHISTORIC USE OF THE ALPINE SIERRA NEVADA:
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Despite several decades of archaeological work in both the western Great Basin and the Sierra Nevada foothills, little is known about how prehistoric populations used the high elevation areas between these two regions. This thesis involved the investigation of six high elevation sites at Taboose Pass in Kings Canyon National Park, California. Through a combination of surface collection, limited test excavation, two distinct archaeological patterns were identified. The first is an earlier (ca-3500 B.P.-1350 B.P.) limited-use pattern characterized by dense lithic scatters related to obsidian procurement by groups living on the western slope of the Sierra Nevada. The second pattern is a later (ca. 1350 B.P.-historic contact) intensive-use pattern with rock ring features, midden soil, and a variety of artifact types indicative of a broad range of activities. These archaeological patterns were compared to regional cultural developments to investigate how large-scale changes in mobility, subsistence-settlement patterns, and obsidian procurement affected prehistoric use of the alpine Sierra Nevada.

_____________, Committee Chair
Mark E. Basgall, Ph.D.

ACKNOWLEDGEMENTS

Even though a thesis is meant to showcase the knowledge and abilities of a single individual, this particular work would not have been possible without the generous contributions of a wide variety of colleagues, friends, and family. First and foremost I thank my wife, Shawna, for changing careers to move to Sacramento, for putting up with countless hours of crankiness and general neglect from me, and for providing helpful ideas and editorial comments.

I especially thank Tom Burge of Sequoia and Kings Canyon National Parks and Bill Matthews (formerly) of Sequoia National Forest, for initiating the Taboose Pass surveys and for giving me the chance to help out despite my initially murky qualifications. I also thank Tom and Bill for sharing data and ideas with me so freely and for playing an integral part in my development as an archaeologist. Many of the interpretations and concepts found in this thesis were hatched during long conversations between the three of us, often while huddled around a single burner stove, drinking endless cups of coffee at Taboose Pass. Credit for many of these ideas goes to Tom and Bill. I take responsibility for any you don't like.

I thank my thesis committee, Mark Basgall, Michael Delacorte, and David Zeanah, not only for help and guidance while designing and writing this work, but also for providing first-rate instruction in archaeological concepts and methods in the classroom as well as in the field. Among other things, Mark taught me to temper my curiosity with skepticism, to back up my conclusions with data, and to recognize good archaeology when I see it. Michael was always generous with his time, freely shared his wealth of knowledge about Owens Valley archaeology, and contributed many helpful editorial comments. David helped me with several technical problems and provided important explanations of ideas in Great Basin archaeology.

A special thanks goes to the field crew at Taboose Pass, including Ryan Brady, Bill Larsen, and Steve Moore. These three extremely capable archaeologists suffered unmentionable hardships climbing the eastern escarpment to the crest while loaded down with field equipment and camping gear. They also deserve a debt of gratitude for managing to work hard and help with methodological decisions on the fly in a hypoxic environment.

Important contributions were made both directly and indirectly by all of my friends and coworkers at the Archaeological Research Center. In particular, I thank Wendy Pierce for performing expert seed identifications. Special credit is also due to Mark Giambastiani and Tim Carpenter for pointers on obsidian hydration analysis that improved the accuracy and efficiency of my work. I also thank Denise Jurich and Tony Overly for instructing me in lithic analysis and ground stone analysis respectively. Lynn Johnson generously contributed obsidian hydration readings. This work also benefited greatly from frequent conversations with my office mate, Jesse Martinez, about flaked stone analysis, obsidian source use, and Great Basin prehistory in general.

I am also particularly grateful to Nelson Siefkin for valuable discussions about Sierra Nevada prehistory, for commenting on a draft of the thesis, and for originally finding site CA-FRE-3105. This project was also helped by Craig Skinner and Tom Origer, who provided slides to help me hone my obsidian hydration skills. Craig Skinner also graciously offered to perform obsidian sourcing analysis at reduced cost. Kathleen Hull provided a solution to my obsidian hydration rate problems when my patience and high school math skills had just about run out. Sonny Montague supplied critical obsidian hydration data from Yosemite National Park. Kristina Roper deserves thanks for initially sparking my interest in high elevation archaeology and for discussing ideas with me on several occasions.

Nancy Farrell and Ron Rose were also integral to the completion of this thesis by being incredibly flexible with work hours. Last but not least, I thank all those who gave me a place to stay during repeated trips to Sacramento and my friends and family for putting up with my busy schedule while working on the thesis.

TABLE OF CONTENTS

TABLES

FIGURES

CHAPTER 1

INTRODUCTION

The Sierra Nevada region is often portrayed as a natural barrier that divides California from the Great Basin. With regard to watershed and climate, this is generally true, but linguistic, ethnographic, and archaeological information suggest that rather than functioning solely as a dividing line, the range played a greater role in the lives of prehistoric peoples than is commonly believed.

Prehistoric use of the Sierran alpine and subalpine zones is generally thought to have been minimal, largely related to hunting or travel for the purposes of trade. This synchronic view is problematic for two reasons: first, there is very little empirical evidence to support it, and second, long-term changes in regional subsistence-settlement systems are likely to have affected how the Sierra Nevada high country was used at various times in the past.

Archaeological work over the last several decades in both the western Great Basin and the Sierra Nevada has documented a range of large-scale changes in subsistence-settlement systems, technology, and obsidian use. Some changes, such as the late-prehistoric adoption of the bow and arrow, decreased mobility, and subsistence intensification, were shared over the entire region. Other aspects of the archaeological record of these two regions, such as the discrepancy between non-egalitarian, relatively sedentary societies to the west, and more mobile, egalitarian societies to the east between ca. 3500 and 1350 B.P. (cf. Bouey and Basgall 1984) suggest different environmental, demographic, and historical factors influenced the trajectory of land-use changes in each

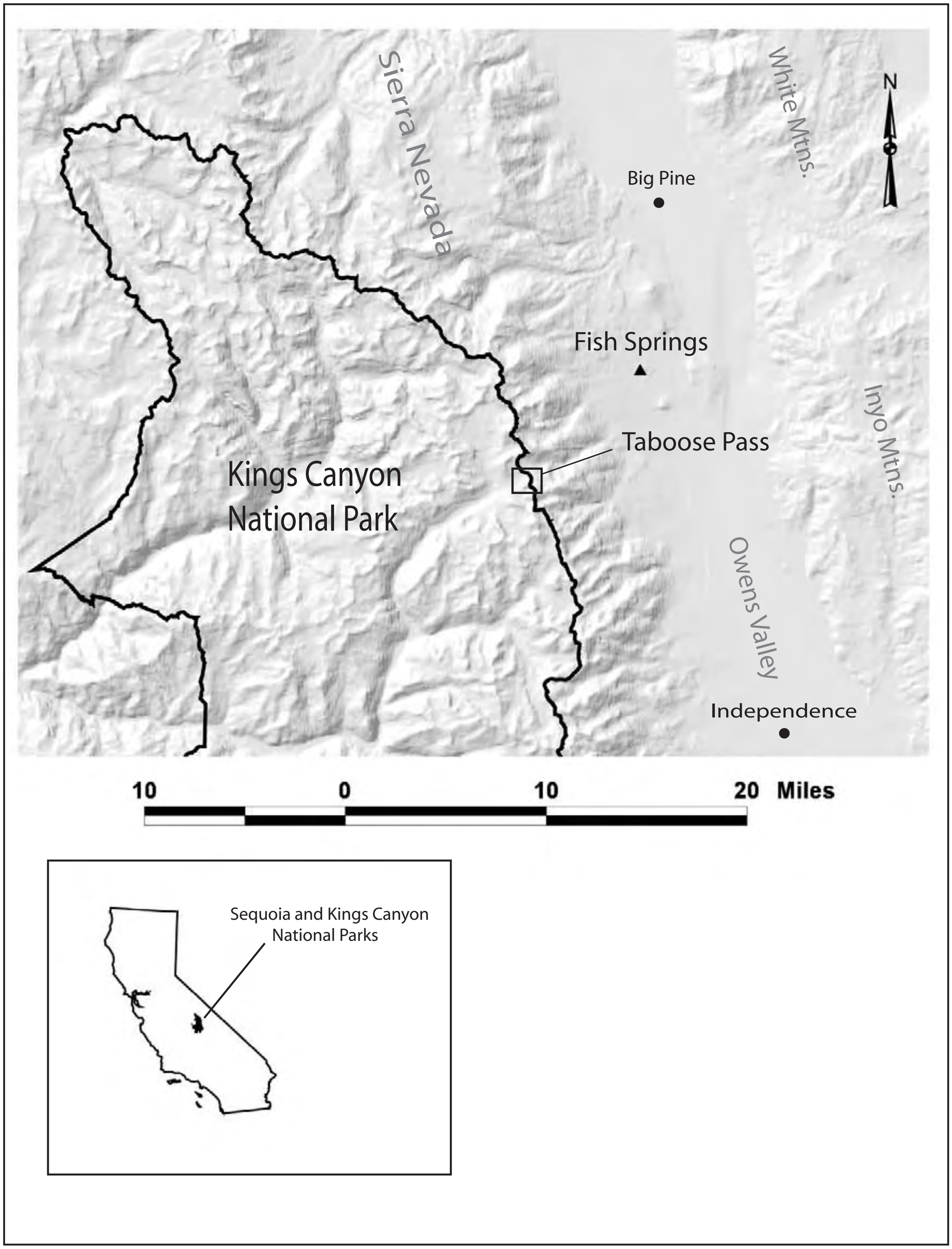


Figure 1:Taboose Pass Project Area.

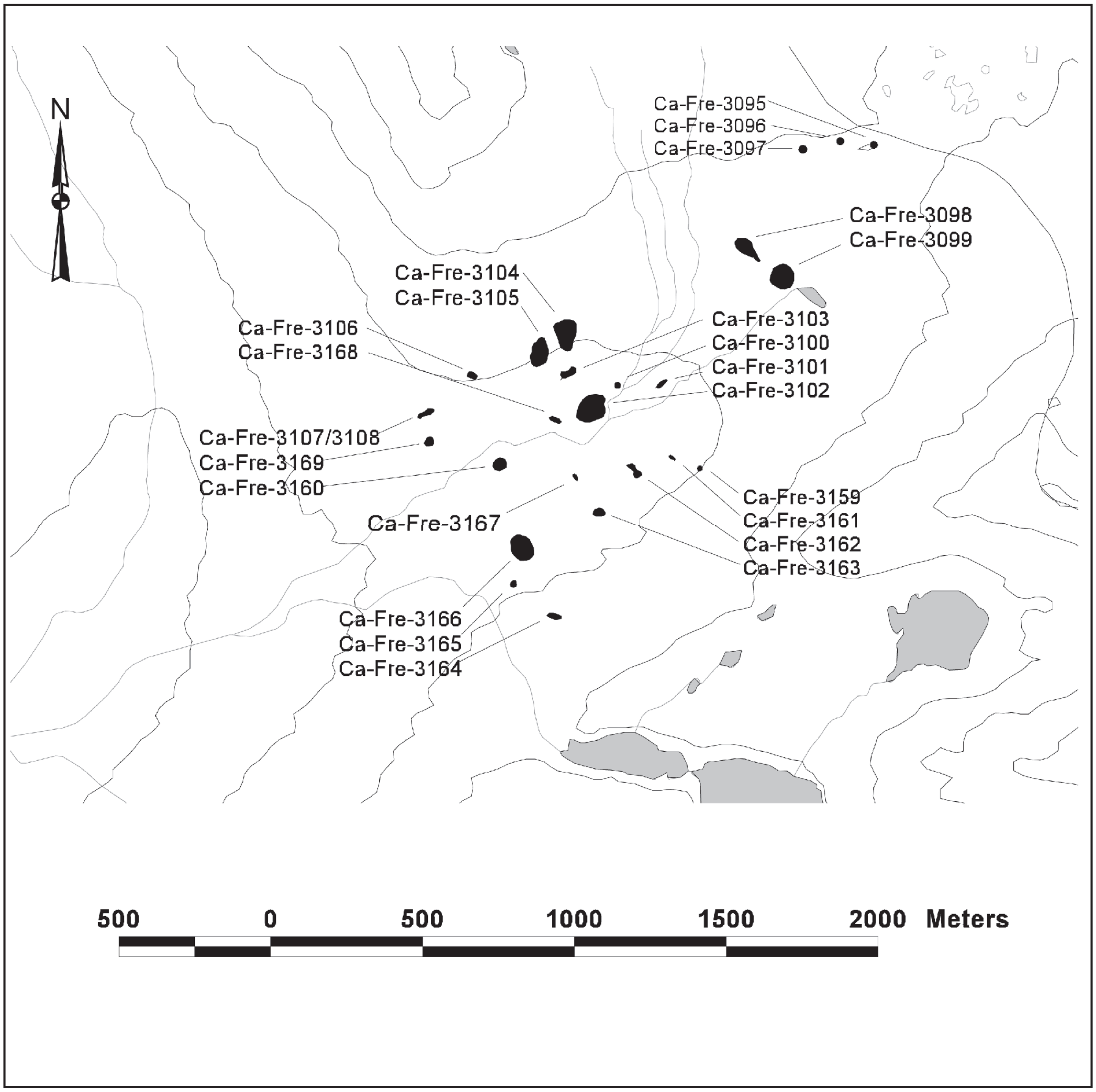


Figure 2: Taboose Pass Archaeological Sites.

region. Both the frequency and character of prehistoric alpine land-use were likely affected by these changes.

The aim of this study is to compare the archaeological record of Taboose Pass (see Figures 1 and 2), to the chronology of regional land-use changes on either side of the crest in an attempt to understand how alpine land-use was affected by regional shifts in subsistence-settlement systems and the demand for eastern obsidian. Data from fieldwork carried out at Taboose Pass are used to assess the chronology and functional implications of assemblages at project sites. These data are then compared to regional reconstructions of prehistoric culture change from either side of the Sierra crest, and against a regional database of obsidian hydration data. Source-specific, temperature-adjusted obsidian hydration rate equations are used to compare chronological data across the region. This methodology alleviates some of the deficiencies in the archaeological record of the southern Sierra Nevada, allowing for more informed comparisons with the archaeological record of the western Great Basin.

Rather than simply attempting to fit the archaeology of the Sierra crest into either the Great Basin or California sequences, the regional approach pursued here considered the unique circumstances of the region, one that straddles two very different cultural and natural areas. In this way, alpine land-use was investigated within the broader context of evolving regional land-use strategies.

CHAPTER 2

NATURAL AND CULTURAL SETTING

The alpine regions of the southern Sierra Nevada comprise a rugged, often inhospitable landscape with elevations ranging from 10,000 feet to over 14,000 feet, seasonally low temperatures, and little vegetation. Alpine areas are above timberline, trees being unable to establish themselves due to low temperatures, desiccating wind, snow cover, and other factors (Barbour and Major 1988). Most plant species in the alpine zone are small, perennial forms, adapted to the short growing season and cold temperatures (Gilligan 2000). From the perspective of prehistoric hunter-gatherers, the most valuable food resources in this zone would have been animals such as bighorn sheep (*Ovis canadensis*), mule deer (*Odocoileus hemionus*), and marmots (*Marmota flaviventris*) (Storer and Usinger 1963).

The adjacent subalpine zone (ca. 8000-10,000 feet) offers tree cover, plentiful water, and meadow environments but the winter snowpack leaves it seasonally unproductive and difficult to access. In addition to the animals found in the alpine community, the subalpine zone also includes blue grouse (*Dendragapus obscurus*) and the occasional white-tailed jackrabbit (*Lepus townsendi*) as potential food sources (Storer and Usinger 1963). Vegetal resources, though not as plentiful as those found in lowland habitats, may have also supplemented the diet of prehistoric alpine and subalpine foragers. Seeds from limber pine (*Pinus flexilis*) and whitebark pine (*Pinus albicaulis*) were available, while plants with edible roots or tubers such as *Lewisia* spp., western bistort (*Polygonum bistortoides*), golden brodiaea (*Trieteleia* spp.), and yampa

(*Perideridia* spp.) were present in nearby meadow and forest environments (Storer and Usinger 1963; Hickman 1993; Thompson and Thompson 1972). Overall, the resource base in the subalpine and alpine zones of the Sierra Nevada is not as intrinsically poor as it is seasonally restricted.

Taboose Pass is well within the alpine zone, consisting of a largely barren, rocky saddle with scattered glacial lakes and ponds. East of the pass, Taboose Creek flows through a steep, narrow canyon to the floor of Owens Valley, quickly passing through alpine, subalpine, pinyon-juniper woodland, and finally desert scrub communities. To the west of the pass is a large, relatively flat, well-watered meadow area flanked by talus slopes and the beginnings of a subalpine forest of whitebark and lodgepole pine. It is here, between the alpine and subalpine zones, at an elevation of 11,000 feet, that the sites investigated for this study are found.

To the east, the alpine and subalpine zones of the White-Inyo Range are characterized by similar extremes of temperature and elevation, but differ from those of the Sierra Nevada in receiving less precipitation. Winter precipitation in both areas largely occurs as snow, but the depth of the snowpack in the Sierra Nevada greatly exceeds that of the White-Inyo Range (Hall 1991; Storer and Usinger 1963).

Currently, most of the Sierra Nevada high country is free of snow by mid July although the snowpack varies from year to year, with many high elevation passes and cirques retaining snow into August or opening up as early as May in some years. Despite the rugged terrain, foot travel is possible throughout much of the alpine and subalpine zones provided proper routes are taken and seasonal changes are taken into account. While not precluding foot travel, winter snow adds an additional element of risk and would have limited the ability of prehistoric peoples to exploit high altitude resources. In late spring and early summer, when much of the snow has melted, many areas remain difficult to access because of high water in creeks draining the melting snowpack. By late summer and early fall, most creeks are easily negotiated and much of the snow has melted, but the likelihood of being caught in one of the first large snowstorms increases greatly. Between these two periods of uncertainty are generally two to three months with almost no precipitation and reasonably mild temperatures.

Travel across the Sierra crest is facilitated by a series of passes breaching the otherwise unbroken wall of steep rock faces. When approached from the east in Owens Valley, some passes lead to remote cul-de-sac lake basins while others provide access across the mountains and to west slope basins and drainages. Taboose Pass is of the later type, accessing both the South Fork Kings River drainage, one of the easier routes to the foothills, as well as the Middle Fork Kings River and San Joaquin River drainages. This choice of routes coupled with a relatively easy ascent may have made this a well-traveled pass prehistorically. To the south, Kearsarge Pass is the next major east-west route, also accessing the Kings River drainage. South of Kearsarge Pass, the north-south trending Kern River Canyon and the rugged Great Western Divide combine to make crossing the mountains a more arduous journey.

Ethnographic Background

Although the Sierra Nevada high country is rarely mentioned specifically in regional ethnographic accounts, some clues as to how local groups may have used this area can be garnered from these sources. The two ethnographic groups most closely associated with this portion of the Sierra Nevada are the Owens Valley Paiute, to the east of the crest, and the Western Mono, along the western slope of the range. Detailed discussions of the lifeways and customs of these two groups can be found in several sources including Gayton (1948), Gifford (1932), and Steward (1933, 1938), as well as syntheses of ethnographic data in many regional archaeological reports (e.g., Delacorte 1999; TCR and ACRS 1984). This overview focuses mainly on those aspects of the ethnographic record considered relevant to prehistoric use of higher elevations of the Sierra Nevada. These generally include references to subsistence and land-use practices on both sides of the range, as well as information about interactions between California and Great Basin groups.

For the most part, information contained in ethnographic literature is less than ideal from the standpoint of archaeology owing to the changed nature of aboriginal culture available for study at the time ethnographic data were collected. Many aboriginal practices were likely forgotten or reduced in importance by the time ethnographers began to query their informants. Also, most informants did not live before contact, meaning information about discontinued practices had been passed down as memories, rather than experienced first hand. Even if the ethnographic record was reasonably complete, including details about subsistence-settlement systems, technology, and other aspects of behavior that archaeologists find useful, it would lack the spatial and temporal depth to address variability present in these institutions. No matter how complete the ethnographic record of a particular region, there is no reason to believe it reflects, or even resembles, the remote past. Extrapolating too far back in time from ethnographic information may unintentionally force very different prehistoric societies into the mold of the ethnographic present (cf. Wobst 1978).

For the purposes of this study, the assumption is made that even though many changes in land-use practices occurred throughout prehistory, certain aspects about how prehistoric hunting and gathering populations used the alpine regions of the Sierra Nevada remained similar throughout the late Holocene. In other words, the manner in which these environments were used by people was at least in part a function of the structure of the landscape. Certain information, such as the locations of travel routes and the major plant and animal foods in the region are not likely to have changed drastically, while variables such as why travel routes were used and how important particular subsistence resources were to the diet, probably did.

Owens Valley Paiute

The Owens Valley Paiute occupied the region east of the Sierra crest, bordered to the north by Northern Paiute groups and to the south and east by Shoshonean groups. Ethnographic information pertaining to Owens Valley is plentiful due to the efforts of Julian Steward (1933, 1934, 1938). Other sources (e.g., Chalfant 1933) also contribute to the ethnographic record for this group.

The Owens Valley Paiute were linguistically and culturally similar to other groups across the Great Basin. The Owens Valley is thought to have differed from other Great Basin areas, however, in that population levels were higher, groups more sedentary, and sociopolitical structure more complex (Steward 1938). Steward (1938) maintained that these differences were due, in part, to higher environmental productivity in Owens

Valley. Bettinger (1982b), however, has pointed out that other similarly productive areas of the Great Basin were not characterized by similar semi-sedentary societies. Bettinger and King (1971) argued that *in situ* development of regional exchange networks provided the catalyst leading to greater sociopolitical complexity and sedentism.

People inhabiting the Owens Valley were distributed as a series of subgroups, each with a local territory or district. Hunting as well as plant gathering territories were communally owned within districts. The dividing lines between districts ran east to west so that Owens Valley was split into several sections from the north to the south (Steward 1933, 1938).

The annual subsistence round of the Owens Valley Paiute, like other hunting and gathering groups, was conditioned by the local abundance and seasonality of plant and animal resources. Nuts of the pinyon pine (*Pinus monophylla*) in particular, played an important role in settlement decisions. In the spring, people were based out of large villages on the valley floor, living on stored seeds and other locally available resources. In the summer, people remained based out of the valley-floor villages but they foraged as necessary to gather seeds. In the late summer or early fall, people split up into smaller groups and moved up-slope to the pinyon groves where they overwintered if the crop was good. If the pinyon crop was not particularly good, people returned to the main villages and lived there for the duration of the winter, tapping into stored seeds. In the fall, after pine nuts were gathered, some districts engaged in communal social events or hunting activities (Steward 1933).

Owens Valley groups are said to have traded with Western Mono and Yokuts groups by crossing Sierran passes (including Taboose Pass) and entering the territory of the Western Mono (Gayton 1948; Steward 1933). Steward (1933) reports that people crossed from both sides while Gayton's (1948) Yokuts and Western Mono sources suggest the Paiute did most of the traveling.

Steward's (1933) ethnographic information makes it clear that, although the Owens Valley Paiute were based out of lowland villages, they also made regular use of mountainous habitats during the course of the year. For example, pinyon exploitation took them into the middle and high elevations of the White and Inyo ranges during the fall and winter. Also, their main hunting territories were largely located along the Sierra Nevada escarpment. Added to this is their apparent familiarity with travel routes over the Sierra crest, which brought them into contact with Californian groups and gave them direct access to resources like acorns and large game. The Sierra Nevada was by no means *terra incognita* to the Owens Valley Paiute.

Western Mono

The Western Mono or Monache occupied the area west of Taboose Pass. The Western Mono claimed the mid-elevation foothills and higher country of the Sierra Nevada. Based on linguistic evidence, the Western Mono are thought to have migrated from the Great Basin only within the last 500 years (Whistler 1984). Like the Owens Valley Paiute, they possessed a language classified as part of the Numic family. Unlike Owens Valley groups, however, Western Mono culture and lifeways more closely resembled their California neighbors, the Foothill Yokuts.

Territorial divisions among the Western Mono do not appear to have been as rigid as among the Owens Valley Paiute, although there were at least seven distinct Western Mono groups, each of which shared a common dialect and home territory (Gayton 1948).

The Western Mono moved between a number of small campsites or “hamlets” during the course of their seasonal round (Gifford 1932). Some groups (e.g., Entimbich and Waksachi in the Kings and Kaweah drainages) are said to have had permanent village locations while others (e.g., Wobonuch and Northfork in the Kings and San Joaquin drainages) apparently did not (Gayton 1948; Gifford 1932). Nevertheless, all Western Mono groups seem to have inhabited a few large settlements, along with several smaller, perhaps seasonally occupied, satellite camps.

Western Mono winter villages were situated below snowline within the foothill woodland and yellow pine forest communities. The Western Mono summer range theoretically extended to the crest of the Sierra, but as a general rule, they seem to have stayed within the mixed conifer and foothill woodland belts (Gayton 1948).

The seasonal round of Western Mono groups is difficult to reconstruct based on ethnographic information, but a general outline can be described. In spring, people probably congregated at larger village sites living off stored acorns and other resources. The early summer months were spent gathering seeds in the lower and middle elevations of the foothills. Late summer (ca. July and August) was likely spent at higher elevations (ca. 4000 –7000 ft) where sugar pine nuts (*Pinus lambertiana*) and other resources were exploited. In the fall, people probably moved down-slope to engage in the yearly acorn harvest. Acorns were stored at larger villages, where communal activities took place at this time. People then over-wintered at these larger village sites (Gayton 1948).

The use of higher elevations of the Sierra Nevada by Western Mono people is only inferred, as most ethnographic accounts do not specifically mention use of these areas except in the context of travel for the purpose of trade. As previously mentioned, the Western Mono traded directly with the Owens Valley Paiute. According to Gayton, (1948) the Paiute made the journey from Owens Valley over the crest, and then descended into the territory of the Western Mono where they exchanged east-side products such as pine nuts, obsidian, and sinew-backed bows for west-side items such as acorns, baskets, and shell money.

Discussion

While the available ethnographic information is by no means complete, it does provide a general idea of how Sierran environments may have been used in the annual subsistence round of prehistoric hunter-gatherers. Ethnographic sources suggest that the Sierra Nevada, rather than constituting an absolute barrier between two very different cultural and natural regions, were instead an intermediate zone used by people from both sides of the crest. Rather than discouraging contact, it may have been the stark contrasts between California and the Great Basin that encouraged travel and trade through the range.

The general pattern of Western Mono subsistence on the western slope of the Sierra Nevada involved the use of acorn, pine nuts, and a variety of smaller seeds as staple plant foods. Seasonal movements tended to be up-slope to higher country in summer, and down-slope to lower country in winter. Overall, it seems the most important subsistence activities occurred in the summer and fall (e.g., seed gathering, pine nut harvest, acorn collection). These are the months when storable resources were gathered that would last people over the winter and into the spring.

The Owens Valley Paiute relied to a greater extent on pine nuts and small seeds as plant food staples. The main seasonal movement each year for the Owens Valley Paiute was to procure pine nuts in the higher elevations to the east. This occurred during the fall and occasionally lasted into winter if the crop was good. Otherwise, hunting and gathering trips were mainly based out of larger villages on the valley floor for much of the year.

Considering the seasonal movements of each group and the timing of the summer snowmelt, late summer would have been the most advantageous time for travel into the Sierra Nevada high country. Not only would travel routes be free of snow and treacherous stream crossings, but populations on either side of the range would be closer together geographically at this time of year, meaning contact would be easier. The Owens Valley Paiute would be based out of valley floor villages, while the Western Mono would be pushing east into the middle elevations in search of pine nuts, game, and possibly trade opportunities.

The ethnographic record is equivocal on many details of trans-Sierran trade. Gayton (1948) maintains that trade was between the Western Mono and the Eastern Mono (i.e., Owens Valley Paiute) and that the Western Mono served as middlemen between the Eastern Mono and the Yokuts. Gayton also states that it was Owens Valley people who did most of the traveling over the Sierra (Gayton 1948). Arkush (1993), on the other hand, describes a scenario where professional Yokuts traders make the trip over the Sierra themselves, apparently without using the Western Mono as middlemen.

Steward (1933) maintains that Owens Valley and California groups both crossed the passes to trade. Gifford's (1932) information on Northfork Mono also mentions that people traveled from both sides. Also, some informants said that only men traded, while others suggest that women took part in trade as well (Muir 1894).

While it is difficult to make sense of these conflicting descriptions of trans-Sierran trade, it is clear that direct and fairly regular contact occurred between groups from both sides of the crest. Between the Western Mono and the Owens Valley Paiute, the bulk of ethnographic information seems to indicate that eastern peoples made the trip over the crest more regularly. Nevertheless, groups living on both sides of the Sierra Nevada surely had a basic knowledge of routes and resources of the Sierra Nevada. It is significant to note that some of the trans-Sierran routes reported by east-side informants correspond to those reported by west-side informants (e.g. Gayton 1948:map 5; Steward 1933:map 2). This suggests that people on both sides had more than a passing knowledge of high-country routes and resources. Such knowledge would likely be useful because it would have enabled people to exploit a wide variety of altitudinal belts and also travel between two very different environmental zones.

This ability to travel between California and Great Basin environments would have been especially useful in years where resource shortfalls caused local food shortages. Poor yields on one side of the Sierra Nevada are not likely to have impacted the other side in the same way. Groups on either side had different staple plant resources and correspondingly different sets of constraints with regards to travel and subsistence from season to season.

Keeping this last statement in mind, it is worth noting that ethnographic sources from both sides of the Sierra Nevada mention occasional prolonged stays among people from the other side of the range. This could have been beneficial for many reasons including the maintenance of alliances with people from a different environment (e.g., through marriage), the exchange of needed food and other commodities, and the relaxation of the food budget of folks back home. Even the occasional absence of small trading parties may have helped alleviate food shortages during lean years. In this way, knowledge of environments, and connections to people on either side of the crest allowed people on both sides of the crest to obtain non-local food and supplies, and may have provided insurance against hardships associated with resource variability.

Relationships between Californian and Great Basin groups likely predate the migration of the Western Mono (Jackson 1989). This hypothesized migration is perhaps the single best piece of evidence reflecting the connections between California and Great Basin groups in this region. This late-prehistoric movement of Great Basin people was just one aspect of a larger hypothesized population movement known as the Numic spread (Bettinger 1994:48; Jackson 1989; Lamb 1958). While the greatest share of anthropological attention to the Numic spread hypothesis has been directed towards the eastern expansion of Numic groups across the Great Basin (e.g., Bettinger and Baumhoff 1982), the movement of Numic-speaking people into California proper also represents an intriguing prehistoric development that begs explanation.

Jackson (1989) suggests that the ethnographic territory of the Western Mono was formerly a shared resource area between Yokuts and Mono that became less important to nearby foothill Yokuts groups as they became increasingly more sedentary and more focused on lower elevation resources later in prehistory. If this were the case, then the territory of the Western Mono can be thought of as an economic opportunity that was capitalized on rather than a territory won by outcompeting previous inhabitants. Realizing the benefits of this opportunity would likely have required a prior knowledge of the area and its resources.

It may be that many of the differences between groups living on either side of the crest have been overstated and that settlement by the Western Mono was simply part of a long process that started centuries prior with informal contacts and later, the establishment of regional trade networks. The recency of the proposed migration certainly implies that it was developments in the latest prehistoric interval that precipitated this population movement.

A number of variables conspire to make ethnographic information a difficult tool to use in reconstructing past lifeways. It provides vital information about how hunting and gathering groups may have exploited local environments, but it lacks the time depth of archaeological investigations. In many ways, these two sources of information are not comparable. Archaeological information is frequently course-grained and focused on a small number of discernable aspects of prehistoric life. Ethnographic information, on the other hand, is often full of interesting, but ultimately, inconsequential details (cf., Kelly 1995:340). Nevertheless, glimpses of the lifeways of ethnographically recorded peoples from either side of the Sierra Nevada provide information useful in modeling the prehistoric use of this region.

Prehistoric Background

Archaeological work in the Inyo-Mono region to the east (Basgall and Giambastiani 1995; Basgall and McGuire 1988; Bettinger 1975, 1989a, 1991a; Delacorte 1990, 1999; Delacorte and McGuire 1993; Gilreath and Hildebrant 1997) and the southern Sierra Nevada to the west (Garfinkel et al. 1979; Goldberg and Moratto 1984; Goldberg et al. 1986; Goldberg and Skinner 1990; Jackson and Dietz 1984; McGuire 1981; McGuire and Garfinkel 1980; Moratto 1972, 1988; Moratto et al. 1988) over the last several decades has documented changes in land-use, mobility patterns, technological organization, and trade relationships over the last ca. 10,000 years of human occupation. It is likely these changes also had consequences for how high elevation areas of the Sierra Nevada were used by people throughout prehistory.

Eastern Sierra Nevada

Since the basic chronological sequence for the Owens Valley was established by Bettinger and Taylor (1974; see Figure 3), a growing body of evidence has suggested that revisions to the earliest portions of the sequence (i.e., pre-3500 B.P.) are necessary (Basgall 2002; Delacorte 1999). It has become clear that many projectile point forms from these earliest occupations are poorly dated (Basgall and Hall 2000). Beginning with the Newberry period (3500-1350 B.P.), and especially the Late-Newberry period (ca. 2000-1350 B.P.), however, chronology is better understood, a greater number of sites are known, and more definitive statements about the character of prehistoric lifeways can be made (Basgall and McGuire 1988; Delacorte 1999; Delacorte et al. 1995; Zeanah and Leigh 2002).

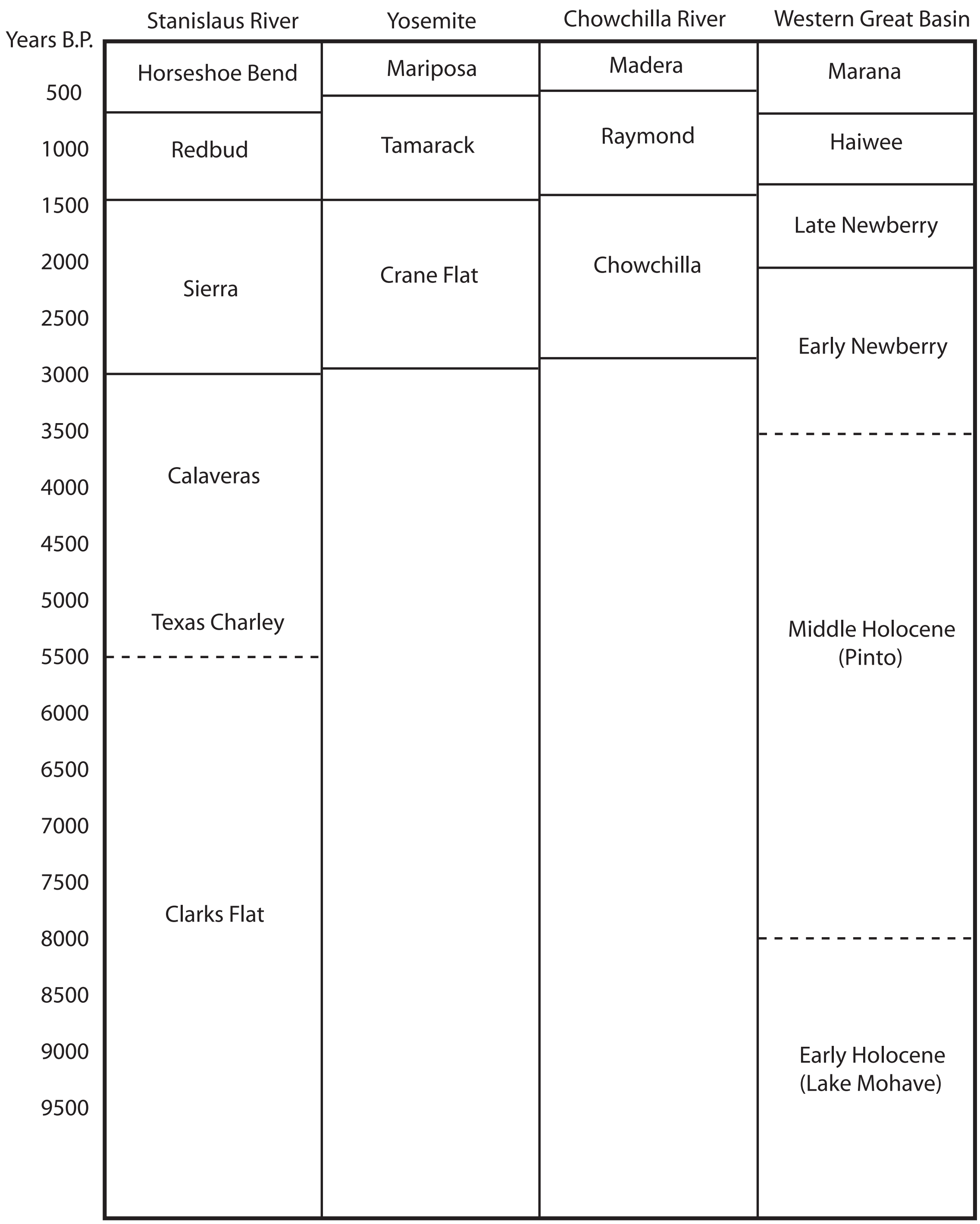


Figure 3: Archaeological Sequences of the Sierra Nevada and Western Great Basin.

Sources: Basgall 2002; Basgall and Hall n.d.; Bettinger and Taylor 1974; Moratto 1984; Moratto et al. 1988

Early and middle Holocene groups are thought to have had an expansive subsistence-settlement system, where small groups traversed great distances in the course of a year, concentrating on low-cost and high-value plant and animal foods (Basgall 1993; Basgall and McGuire 1988). Faunal remains from early and middle Holocene sites suggest a wide variety of both large and small animals contributed to the diet (Basgall 1993; Delacorte et al. 1995). Flaked stone source profiles support the idea that mobility was extensive during this period with a high diversity of distant sources present among finished tools (Basgall 1989; Delacorte 1999). Flaked stone technology was generalized in nature with bifacial artifacts such as projectile points reflecting a concern with maintainability rather than efficiency, suggesting visits to toolstone sources may have been opportunistic rather than planned (Basgall 1993; Bettinger 1999a; Delacorte 1999). The presence of ground stone artifacts in early and middle Holocene archaeological assemblages indicates that vegetal resources were exploited, but not as intensively as in later periods. Later (cf. Pinto) assemblages contain higher frequencies of milling equipment than earlier (cf. Lake Mohave) assemblages, suggesting a more broad-spectrum diet evolved by ca. 7500 B.P. (Basgall 1993).

Beginning with the Newberry period (3500-1350 B.P.), and especially the Late Newberry period, considerably more information has been amassed concerning Owens Valley subsistence-settlement patterns (Basgall and McGuire 1988; Bettinger 1989a; Delacorte 1990, 1999; Delacorte and McGuire 1993). Early Newberry (ca. 3500-2000 B.P.) adaptations are poorly understood, but Delacorte (1999:17) has suggested they were similar to those of previous intervals (i.e., highly mobile and expansive), but saw the beginnings of more intensive resource use and more regularized settlement patterns.

The Late Newberry period (ca. 2000-1350 B.P.) is thought to have been characterized by a transhumant, but logistically-organized subsistence-settlement system. Groups are thought to have remained highly mobile and populations comparatively low, but the distances traveled over the course of a year are thought to have declined somewhat and the intensity and duration of occupation of settlements is thought to have increased. Ground stone implements are better-made and more abundant than during earlier periods, and these, as well as other items, were regularly cached in anticipation of future use (Bettinger 1999a). This points to a more regularized, predictable use of the landscape than was apparent in previous periods. Mobility patterns are believed to have been structured around seasonal moves between lowland base camps, perhaps in a north-south pattern along the length of Owens Valley (Basgall 1989). From these villages, logistical forays were made to hunt or exploit specific vegetal resources as they became available (Basgall and McGuire 1988; Bettinger 1989a, 1999a; Delacorte 1990; Delacorte and McGuire 1993). This logistical organization is thought to have allowed Late Newberry foragers to simultaneously exploit plant resources (in lowland settings) and animal resources (in upland settings) when and where they were abundant (Bettinger 1999a; Zeanah 2000).

The Late Newberry period is also marked regionally by the peak in obsidian production at east-side obsidian quarries (Basgall 1983; Bouey and Basgall 1984; Gilreath and Hildebrandt 1997; Hall 1983; Jackson 1984b; Singer and Ericson 1977). This increase in obsidian production has been seen by some as evidence for extensive trans-Sierran exchange, but an alternative perspective attributes the phenomenon to the increased toolstone requirements of a local, logistically-organized system using a biface-based technology (Bettinger 1999a; Delacorte and McGuire 1993). Toolstone source profiles suggest raw material acquisition became more regularized and more reliant on high-quality obsidian sources during this period (Basgall 1989).

A major restructuring of adaptive patterns is believed to have occurred during the Haiwee period (1350-650 B.P.). Groups are thought to have made more intensive use of smaller foraging areas and permanent or semi-permanent villages are thought to have been established (Bettinger 1999a). The atlatl and dart were replaced with the bow and arrow, milling equipment became more expedient in nature, and subsistence practices became more intensive and concentrated in smaller areas. More formalized exchange relationships and territorial control may have also been initiated during the Haiwee interval (Basgall and McGuire 1988; Bettinger 1989a; Delacorte and McGuire 1993).

In the uplands, logistical hunting camps, an important component of prior Newberry period subsistence-settlement systems, decline and subsequently disappear from the record during the Haiwee interval (Bettinger 1975, 1978, 1982a; Delacorte 1990). The intensive exploitation of pinyon during this period is marked by the appearance of pinyon camps in the uplands (Bettinger 1976; Delacorte 1990). Also appearing in the highest elevations during this interval are alpine villages (Bettinger 1991a; Delacorte 1990). Both pinyon camps and alpine villages are examples of a general shift in subsistence-settlement patterns, whereby more intensive, residential use was made of a variety of environments that previously were uninhabited or used only sporadically (Bettinger 1999a).

The succeeding Marana period (650 B.P. to historic) is thought to represent a continuation of the intensification and territorial consolidation evident in the Haiwee period (Basgall and McGuire 1988; Delacorte and McGuire 1993). For example, shell beads and ornaments that were only occasionally present in earlier periods suddenly became profuse during the Marana period and non-curated, expedient milling equipment became more common (Basgall and McGuire 1988; Delacorte and McGuire 1993; Milliken 1999). Several artifact types either initially appear or become more common during the Marana period including Desert series projectile points, Owens Valley Brown Ware ceramics, and possibly thin schist millingstones, green-gray chert bifaces, and steatite vessels and beads (Bettinger 1989a; Delacorte 1988; Delacorte and McGuire 1993; Zeanah and Leigh 2002). Another important development that likely began during the Marana period is the irrigation of wild seed and root crops (Lawton et al. 1976; Steward 1933). This practice may have been a natural outgrowth of regional trends in subsistence intensification (Zeanah and Leigh 2002).

Western Slope of the Central/Southern Sierra Nevada

Bennyhoff’s (1956) cultural sequence for Yosemite National Park represented the initial steps toward understanding prehistoric culture change in the central Sierra Nevada (see Figure 3). Subsequent work at reservoir sites in the lower foothills (e.g., Moratto 1972; Moratto et al. 1988) has documented a series of occupational periods broadly similar to those in Yosemite (see Figure 3). Archaeological work at higher elevations in the southern Sierra Nevada (e.g., Goldberg and Skinner 1990; Jackson and Dietz 1984; McGuire and Garfinkel 1979; Roper Wickstrom 1992) has augmented data from the foothills, but lack of depositional integrity and chronological control remain problems to be resolved over much of the region (Jackson and Dietz 1984:179). It is also difficult to compare successive cultural changes that occurred in the Sierra Nevada to those in the Owens Valley because divergent research interests have prompted researchers in each region to emphasize different aspects of the prehistoric record.

Overall, the pattern of archaeological research in the southern Sierra Nevada, has been to construct culture-historical sequences, or to place new collections within existing sequences as conceived in the Sierra Nevada foothills or western Great Basin. Although chronological controls and assemblage descriptions are important steps in understanding long-term cultural change, there seems to have been a greater concern given to the search for repeating patterns than with actually explaining how these patterns came to be. This is partly the result of the history of archaeological research in the area. Unlike the western Great Basin, where theory-driven, large-scale probabilistic surveys (e.g., Bettinger 1975; Delacorte 1990) have provided an interpretive framework for subsequent work, research in the central and southern Sierra Nevada has tended to be spatially-limited and project-driven (e.g., Moratto 1972; Moratto et al. 1988). Despite these shortcomings, the basic outlines of western Sierran cultural change and land-use practices provide a valuable starting point for future inquiries.

The earliest periods of occupation (ca. 10,000-4000 B.P.) are known mainly from sites in the Sierra Nevada such as Clarks Flat (Peak and Crew 1990) and the Skyrocket site (Moratto 1999). These sites feature artifacts resembling Lake Mohave projectile points known from the Great Basin and Mojave Desert. Later manifestations with Pinto-like points are also present at these sites. Little can be inferred about the subsistence-settlement patterns of these populations, although it is probable, given the diversity of toolstone sources represented at such sites (Moratto et al. 1988), that they were highly mobile like their Great Basin counterparts. The occurrence of millingslabs and handstones at many early sites suggests that both plant and animal foods played an important role in the diet of early and middle Holocene peoples in the Sierra Nevada. Moratto et al. (1988) characterize the archaeological record of early populations at New Melones Reservoir area as reflecting brief visits by small, mobile groups.

Evidence from both Buchanan Reservoir, in the Chowchilla River drainage, and New Melones Reservoir, in the Stanislaus River drainage, shows widespread, relatively intensive occupation starting at ca. 3000 B.P. and continuing until ca. 1400 B.P. Assemblages of this period have been named the Chowchilla phase at Buchanan Reservoir and the Sierra phase at New Melones Reservoir. A wide variety of flaked and ground stone tools attest to a broad-spectrum economy including hunting with atlatl and dart as well as fishing and seed processing. Portable milling equipment includes cobble mortars, cylindrical pestles, and millingstones. Obsidian, shell beads, and ornaments show that goods and raw materials were obtained from both the Pacific coast and the Great Basin, either through trade or by direct acquisition. Burial practices during this period suggest non-egalitarian social organization (Moratto 1972; Moratto et al. 1988).

The presence of earthen house floors, hearths, abundant fire-altered rock, and deep midden deposits at Stanislaus River sites, suggested “long-term habitation by sizeable populations” (Moratto et al. 1988:538). Deposits dating to this interval are also said to contain the greatest diversity of artifact types, the highest debitage densities and the largest proportions of obsidian tools and debitage (Moratto et al. 1988:538). Chowchilla phase components at Buchanan Reservoir also indicate “large populations, permanent settlements, and substantial trade with Great Basin and coastal peoples" (Moratto et al. 1988:557).

It is difficult to come to any definite conclusions regarding the character of subsistence-settlement systems during this interval because most of the reported sites are from the lower foothills. What seems clear is that foothill sites were probably residential bases inhabited for all or a large part of the year. Such residential stability would probably not have been possible if subsistence activities were not logistically organized (cf. Binford 1980:17). A logistically-organized subsistence-settlement system might also account for the diversity of artifacts present at residential bases, reflecting the diversity of activities conducted away from camp (Binford 1980).

The presence of portable milling equipment suggests not all plant processing took place at these sites. Perhaps small groups made logistical forays to seed gathering areas and processed material away from base camps while acquiring storable resources. Hunting, too, may have been accomplished through logistical trips far from base camps. The findings of Cleland (1988) from the Mokelumne River watershed are notable in this regard. Cleland found that upper elevation (ca. 8000 ft) hunting camps in the Blue Lakes area were more intensively occupied between 2500 and 1500 B.P. than during later intervals. These camps may represent hunting forays originating from village sites such as those reported in the lower foothills at New Melones Reservoir.

The next period (dated ca.1400-450 B.P.) is known as the Redbud phase at New Melones Reservoir and the Raymond Phase at Buchanan Reservoir. This interval is poorly understood in the Sierra Nevada foothills but appears to represent either a regional depopulation or a change in settlement that produced less visible remains. Many earlier sites were apparently abandoned and both the amount of eastern obsidian, and the numbers of marine shell beads and ornaments decreased, possibly implying severed trade relations or reduced demand for toolstone due to technological changes. Bow and arrow hunting replaced the use of the atlatl and dart during this interval, but evidence for other shifts in technology and subsistence practices are equivocal (Moratto 1972; Moratto et al. 1988).

An important transition to the intensive use of acorns is suggested by the appearance of bedrock mortars in many areas during this interval (cf. Basgall 1987). While bedrock mortars are not thought to have been present until after ca. 650 B.P. at New Melones Reservoir, evidence from Buchanan Reservoir suggests the use of bedrock mortars began between ca. 1400-450 B.P., (Moratto 1972; Moratto et al. 1988). At Yosemite and in the nearby Mokelumne River area, bedrock mortars are also thought to have been first used during this interval (Bennyhoff 1956; Cleland 1988). Additionally, evidence from the San Joaquin River drainage to the south suggests bedrock mortars first appeared after ca. 1100 B.P. (Jackson and Dietz 1984).

Another important development during this interval occurs in upland areas, with many middle elevation (3000-5000 ft.) sites in the region showing more intensive occupation between ca.1250 and 650 B.P. (Cleland 1988; Goldberg and Skinner 1990; Moratto 1999; Moratto et al. 1978). The apparent up-slope movement of populations during this interval was hypothesized by Moratto et al. (1978) to be a response to climatic changes. It is possible, however, that this pattern is not an up-slope movement at all, but the result of a more dispersed settlement strategy related to the emergence of intensive acorn economies, as discussed in Chapter 6.

The latest prehistoric occupation (ca. 700 B.P. to historic) of the Sierra Nevada foothills is better known archaeologically and consists of assemblages of the Horseshoe Bend phase at New Melones reservoir and the Madera phase at Buchanan reservoir (Moratto 1972; Moratto et al. 1988). Many sites were either initially occupied or reoccupied during this period and archaeological remains are extensive, implying population growth and a more intensive use of the landscape. Both obsidian from eastern sources and marine shell beads and ornaments, most likely obtained through trade, are again common in late prehistoric assemblages although obsidian is not as ubiquitous as during pre-1400 B.P. occupations. The overall pattern suggested by late prehistoric sites in the Sierra Nevada foothills is one of larger, more sedentary populations, and more intensive exploitation of available resources (Moratto et al. 1988).

High-Elevation Archaeology in the Southern Sierra Nevada

Very little archaeological work has been conducted at higher elevations of the southern Sierra Nevada (above ca. 8000 ft.), but previous research hints at how these areas were used prehistorically. Roper Wickstrom's (1992, 1993) work in Sequoia and Kings Canyon National Parks is the most relevant to Taboose Pass. The most salient patterns identified by Roper Wickstrom were (1) the distribution of obsidian varies, with Casa Diablo being dominant in the San Joaquin drainage, Fish Springs prevalent in the Kings and Kaweah drainages, and Coso dominating further south (Roper Wickstrom 1992:96), and (2) like areas of the Great Basin, there appears to be an early, hunting-related pattern followed by a later, residential pattern (Roper Wickstrom 1993:298). Of the sites assigned to the residential pattern, CA-FRE-266 (Roper Wickstrom's 87A-31) at

Bullfrog Lake, near Kearsarge Pass, is the most informative.

Additional work at FRE-266 was conducted in 1988 by personnel from Yosemite National Park (Mundy 1988). This work has not been fully reported as of yet, but some details are available in a fieldwork summary (Mundy 1988). Signs of relatively intensive or long-term habitation include the presence of a small rockshelter and three rock ring features with midden soil. One of the rock rings also contains two millingslabs, one millingslab fragment, and one handstone fragment. Other pieces of milling equipment were also observed at the site. Although earlier Elko and concave-base projectile point forms are present at the site, late prehistoric occupation is well-represented with one Rose Spring projectile point, several Desert series points, brown ware pottery, and steatite vessel fragments (Mundy 1988; Roper Wickstrom 1993). Subsurface testing revealed the presence of a thin (ca. 5-8 cm) layer of midden soil adjacent to one of the rock ring features, and a buried hearth inside the rockshelter (Mundy 1988).

Another noteworthy high-elevation archaeological project involved test excavations along several segments of the Pacific Crest Trail (Garfinkel et. al 1979; McGuire and Garfinkel 1980). Because this project was at the southern end of the Sierra Nevada, environments represented are not typically Sierran, showing greater affinity to the Great Basin (e.g., the presence of extensive pinyon forests). Also, the sites are at lower elevations (ca. 4000-8000 ft) than many of those reported by Roper Wickstrom (1992) in Sequoia and Kings Canyon National Parks. Despite these differences, investigations along the Pacific Crest Trail provided valuable data pertaining to ethnic/geographic affiliations of groups exploiting the area. McGuire and Garfinkel (1980) presented evidence suggesting sites along the crest were used mainly by groups from desert areas to the east while sites on the western slope were used by groups based out of the Sierra Nevada foothills. Briefly stated, Sierra crest sites included higher frequencies of chalcedony material and milling equipment made from non-local desert sources, while western slope sites included higher percentages of obsidian and only locally-derived milling equipment (McGuire and Garfinkel 1980).

Comparison

Regional archaeological trends in the Owens Valley and Sierra foothills share many similarities. In general, earlier archaeological manifestations point to highly mobile groups of foragers relying on large game and other high-return resources, while later groups seem to have been less mobile, more centralized, and more reliant on low-return seed and faunal resources. The general trend in the archaeological sequences of both areas points to diversification of subsistence activities and intensification of land and resource use over time.

Between roughly 3000 and 1400 B.P., populations on both sides of the Sierra Nevada appear to have been logistically organized, but those to the east seem to have been more mobile (but see King et al. 2001; Grayson 1993:269 for opposing viewpoints). West-side populations during this interval may have inhabited large settlements in the lower foothills during much of the year, using logistical forays to bring resources to people rather than people to resources (cf. Binford 1980). This is likely to have been true for toolstone procurement as well as for food resources.

Major disruptions and/or reorganizations in subsistence-settlement systems seem to have occurred on both sides of the Sierra between roughly 1500 and 700 years B.P., the period when the bow and arrow was first introduced. This same interval also saw the beginnings of intensive acorn exploitation on the west side and intensive pinyon procurement on the east side (Basgall 1987; Bettinger 1976). The absolute timing and duration of various adaptive shifts identified in the archaeological record of these regions, however, is not yet resolved, especially in the Sierra Nevada.

One particularly important question that remains to be resolved concerns when formalized regional exchange networks first appeared in the Sierra Nevada and Owens Valley. Two views have characterized this debate in the Owens Valley literature (Zeanah and Leigh 2002). One view (Bettinger 1982b; Hughes and Bettinger 1984) sees formalized exchange in Owens Valley beginning as early as 3150 B.P., while the other (Basgall 1983, 1989; Bouey and Basgall 1984; Delacorte 1990) proposes that exchange began in earnest only after ca. 1350 B.P. (Basgall and McGuire 1988; Zeanah and Leigh 2002). Subsequent work has tended to support the idea that formalized exchange emerged during the late period (Basgall 1989; Basgall and McGuire 1988; Milliken 1999). In the Sierra Nevada foothills, formalized exchange seems to have taken place since ca. 3000 B.P. (Moratto 1972; Moratto et al. 1988). It is possible that exchange networks were interrupted during the ensuing 1400-450 B.P. interval, but this remains to be shown conclusively.

Researchers on both sides of the crest have been hampered in their ability to explore the nature of prehistoric exchange systems because of the difficulty of distinguishing between trade and direct acquisition of obsidian. Although marine shell beads found in the Sierra Nevada foothills and especially in the Owens Valley are likely the result of long-distance trade networks, the presence of non-local obsidian at archaeological sites is more difficult to explain.

Clearly, many questions relating to prehistoric cultural change remain to be answered on both sides of the Sierra Nevada. The work completed thus far, however, highlights major cultural developments over the last several thousand years and, provides an interpretive framework for the present study.

CHAPTER 3

THEORETICAL ORIENTATION AND ELABORATION OF PROBLEM

This thesis examines the prehistoric use of alpine areas of the Sierra Nevada from the perspective of evolutionary ecology. This theoretical orientation attempts to account for interactions between organisms and the environment within the context of adaptation and evolution. One common way of looking at organism-environment interactions is by treating subsistence behavior as shaped by economic decisions, which can be examined in terms of costs and benefits. Many archaeologists interested in exploring the archaeological record from an evolutionary ecological perspective have appealed to Optimal Foraging Theory by using models such as the Diet Breadth Model and the Patch Choice Model (Charnov 1976; MacArthur and Pianka 1966). These models assume that organisms will exhibit optimizing behavior because, in the long run, it results in enhanced reproductive fitness (Smith and Winterhalder 1992:53). While such models were developed to explain the behavior of non-human animals, they have been successfully employed to explain human behavior as well (Bettinger 1991b). In archaeology, such economic models have proven useful in examining large-scale subsistence transitions in prehistory (e.g., Bettinger and Baumhoff 1982; O'Connell et al. 1982; Zeanah 2000).

One commonly noted long-term trend in the lifeways of prehistoric foragers is the broadening of the diet to include plant and animal foods that were previously ignored. Many small seed and game resources are frequently cited examples of foods that played a larger role in hunter-gatherer subsistence following the Pleistocene-Holocene transition

(Hayden 1981). These are seen as higher-cost resources due to economic trade-off's involved in their exploitation, such as greater time spent processing them or fewer calories available per unit harvested.

In California and the Great Basin, long-term changes in subsistence practices seem to fit the general trend of foragers worldwide. The earliest groups are thought to have been far-ranging and reliant on resources such as large game that had high economic returns. Later groups seem to have exploited seed and other plant resources to a greater degree and employed a settlement strategy that covered less ground over the course of the year. The general trend is one of extracting larger amounts of lower-quality food from smaller areas. Bettinger and Baumhoff (1982) envisioned this trend in terms of a model featuring two diametrically opposed hunter-gatherer foraging strategies.

At one extreme are so-called *travelers* who spend more time searching for high-quality foods (e.g., large game) that require little time to process once they are procured. At the opposite extreme are *processors*, who concentrate on abundant lower-quality resources (e.g., small seeds) that take less time to find, but take more time and energy to process (Bettinger 1999a; Bettinger and Baumhoff 1982). The traveler-processor model also considers the effects of rising populations. As a region becomes more populated, it is more difficult for travelers to find areas where the highest-quality resources have not already been exploited by another group. Denied the ability to use increased search time to their advantage, they are expected to instead spend their time extracting what they can from the local area. Thus, higher population densities are expected to favor processors over travelers (Bettinger 1999a).

In the western Great Basin, late prehistoric populations made greater use of such low-quality resources as small seeds, pine nuts, and small animals (Bettinger 1989a, 1999a; Delacorte 1999). The change to greater reliance on such resources not only affected diet, but also settlement patterns, technology, and other aspects of prehistoric lifeways. The shift to intensive pinyon procurement, for example, involved new settlements in the pinyon-juniper zone, while the intensive use of small seeds required greater amounts of milling equipment (Bettinger 1976, 1999a). Additionally, as populations became more focused on lower-quality resources, previously marginal environments may have been exploited more intensively. Areas such as the arid Volcanic Tablelands north of Bishop (Basgall and Giambastiani 1995) and the alpine zone of the White Mountains (Bettinger 1991a) were used either more intensively, or in different ways in later prehistory.

Subsistence intensification is also thought to have taken place in California with the development of acorn economies (Basgall 1987). Also more than just a dietary transition, the intensive use of acorns was apparently accompanied by the appearance of bedrock mortars, greater reliance on storage, and decreased mobility because of the need to stay close to stored resources (Basgall 1987). It is also possible that new types of seasonal settlements were necessary to exploit acorn crops when and where they were abundant.

This study will view the changing use of the high elevations of the Sierra Nevada as a product of economic decisions related to the costs and benefits associated with the use of such marginal environments. The prehistoric use of Taboose Pass can, then, be seen as conditioned by a number of factors, including the resource potential of the area, the relative productivity of surrounding lowland areas, potential scheduling conflicts with subsistence activities in other environments, and the cost of traveling to and from the pass. In addition to these factors, the general subsistence-settlement patterns of populations on either side of the crest must also be considered because differences in mobility, the availability of staple foods, and location of settlements may have influenced the ability and/or need to travel to the Sierra Nevada high country.

Elaboration of Problem

Much of what has been said about the prehistoric use of the higher elevations of the Sierra Nevada has been pieced together from brief ethnographic allusions, limited archaeological survey, and comparison with adjoining regions that are better known archaeologically. In general, archaeologists have maintained that prehistoric use of the uplands changed little over time, largely consisting of travel for the purpose of trade and sporadic hunting. This view is problematic for two reasons. First, considering that little archaeological work has occurred in the alpine Sierra, this view is based more on ethnographic accounts and speculation rather than on empirical evidence. Second, given the long record of adaptive shifts and attendant land-use changes in the adjoining lowlands, it is unrealistic to think that any one environment, especially a marginal one, could serve the same functional role for such a long period of time.

The decision of prehistoric peoples to use alpine areas of the Sierra Nevada would have depended on many factors including the season of use, the productivity of the lowlands versus the highlands, and the types of activities planned. Added to these factors are the amount of seasonal mobility a group is accustomed to and whether or not nearby groups are strongly territorial. Because subsistence-settlement strategies, and intergroup relations are thought to have changed through time, the willingness of prehistoric peoples to travel into or through the Sierran alpine zone is also likely to have changed.

The late Holocene archaeological record of lowland areas such as Owens Valley suggests that people began using new strategies to exploit resources in previously under-utilized areas (Basgall and Giambastiani 1995; Bettinger 1991a; Delacorte 1990). For example, environments that were formerly used only for specialized resource procurement activities (e.g., hunting), were later used for a wider range of extractive tasks (e.g., seed gathering and processing in addition to hunting) (Bettinger 1999a). This was true of resource-rich areas as well as more marginal lands.

Because areas with high resource potential were probably occupied and re-occupied throughout prehistory, adaptive shifts involving changes in resource exploitation are likely to be subtle and difficult to detect archaeologically. More marginal environments, on the other hand, may have seen more sporadic or specialized use earlier in prehistory, meaning that differences in exploitative patterns later in prehistory may be more archaeologically visible (Basgall and Giambastiani 1995).

For this reason, the role of alpine land-use in the White Mountains has attracted attention among Great Basin archaeologists interested in long-term trends in subsistence-settlement change. The record of occupation at alpine sites in the White mountains has been described by Bettinger (1991a) as having an earlier hunting-related pattern that extends to about 1200 B.P., followed by an intensive village pattern where sites were occupied for prolonged periods and a variety of extractive activities occurred.

Bettinger sees this shift in alpine land-use at 1200 B.P. as evidence for a regional ethnic replacement known as the Numic spread (Bettinger and Baumhoff 1982; Lamb

1958). In brief, the Numic spread is said to have involved the replacement of an earlier population centered on hunting and other high-return activities (i.e., travelers) by a later Numic-speaking population which was able to extract more energy per unit of land by emphasizing the use of higher cost resources such as small seeds (i.e., processors) (Bettinger and Baumhoff 1982). The seasonal occupation of alpine villages is said by Bettinger (1991a) to reflect the Numic propensity for making the most of even marginal parcels of land. Therefore, such a shift in land-use intensity in a marginal environment such as the alpine zone of the White Mountains is said to potentially be tied to this hypothesized regional population replacement (Bettinger 1991a, 1994).

While the Bettinger-Baumhoff hypothesis adds a provocative cultural dimension to changes evident in the Great Basin prehistoric record, these same changes can also be explained in terms of *in situ* adaptive shifts. Grayson (1991, 1993) has argued that the late prehistoric use of alpine villages may have been related to population growth, not ethnic replacement (a notion also entertained by Bettinger 1991a, 1991b). Specifically, Grayson (1991) believes that the reliance on pinyon as a dietary staple may have forced late prehistoric groups to maintain their food supply in years of poor pinyon crops by hunting marmots at alpine village locations.

Basgall and Giambastiani (1995) have also been critical of Bettinger's interpretation of the White Mountains alpine archaeological record. While Basgall and Giambastiani agree that a major intensification occurred at such sites at ca. 1200 B.P., they believe Bettinger downplayed evidence for similar use of these areas in earlier periods. "Pre-village" components appear to contain appreciable amounts of ground and battered stone, suggesting a more broad-spectrum use of the alpine environment than implied by Bettinger's interpretation (Basgall and Giambastiani 1995:265). While Bettinger's (1991a) analysis of the data using the Chi-square statistic and analysis of residuals showed greater amounts of milling equipment in village versus pre-village components, Basgall and Giambastiani point out that milling equipment was also well-represented in pre-village components (Basgall and Giambastiani 1995:265).

Basgall and Giambastiani (1995) also believe Bettinger's characterization of land-use in village versus non-village contexts may have been marred by sampling bias. In brief, they point out that Bettinger (1991a) compared numbers of late-period projectile points found in non-village and village contexts to show that villages were inhabited later in time. The problem with this comparison, according to Basgall and Giambastiani (1995), is that larger, early-period projectile points are more likely to be found while surveying over open ground, thus biasing non-village contexts toward earlier point forms (Basgall and Giambastiani 1995).

Based on the similarities they see between the pre-village and village archaeological record of the White Mountains, Basgall and Giambastiani (1995) suggest pre-village components, like later village components, may have also represented residential encampments. They do, however, concede that the later, village pattern represents a more intensive use of the alpine environment, accompanied by longer-term residential stays and greater reliance on lower-quality resources (Basgall and Giambastiani 1995:266).

Based on the published archaeological data from alpine villages in the White Mountains, it seems Basgall and Giambastiani (1995) correctly point out that differences between the pre-village and village patterns may not be as profound as portrayed by

Bettinger. On the other hand, true single-component sites are rare in the archaeological record, and late prehistoric residential use of the same locations used logistically by earlier groups is consistently documented elsewhere in the region (Bettinger 1999a:50). Temporally-diagnostic projectile points at village sites in the White Mountains clearly are representative of both early and late prehistoric periods, but much of the milling equipment may be difficult to reliably segregate into early and late components.

Regionally, it is the differences not the similarities between early and late period subsistence-settlement strategies that are compelling. Residential use of the alpine zone, especially including the processing of low-quality alpine plant foods, fits more closely with current understandings of Haiwee/Marana period subsistence-settlement strategies than it does with those from the preceeding Newberry period. Thus, the simplest explanation for the presence of milling equipment in pre-village components at White Mountains sites is that it is the result of mixed deposits, not intensive alpine plant use by Newberry period populations.

Assuming, then, that Bettinger's (1991a) dichotomy between early logistical hunting and later intensive residential use holds true, what does the archaeological record of the White Mountains have to say about how prehistoric populations might have used the alpine Sierra Nevada?

Two questions are pertinent to the wider debate about marginal land-use and late prehistoric intensification: (1) when did prehistoric groups begin intensively using marginal environments, including alpine areas; and (2) why did this intensive pattern occur? Land-use changes at Taboose Pass will be examined with these two broad questions in mind.

This research will address the hypothesis that an intensification in the use of Taboose Pass occurred sometime after ca. 1350 B.P. This hypothesized intensification is seen as related to regional trends in subsistence-settlement change. Specifically, trends such as the constriction of territories and subsistence intensification through time are seen as related to changes in the use of marginal environments. East of the crest, marginal environments were used more intensively later in prehistory, with earlier, task-specific sites later replaced by residential sites with more diverse artifact inventories and greater evidence of prolonged stays.

Evidence of a similar shift at Taboose Pass might consist of a change in site location or site constituents after ca. 1350 B.P. which shows that people were staying longer, performing a wider range of activities, or exploiting new resource types. Conversely, if site location and site constituents are similar throughout the record of occupation at Taboose Pass, it will be assumed that land-use remained fairly constant in the alpine Sierra despite changes in the Owens Valley.

In addition to investigating changes in land-use as they relate to subsistence-settlement patterns, it is also necessary to consider the potential influence of obsidian movement over the Sierra Nevada. Obsidian sources in and around the Owens Valley have been investigated to determine when and in what amounts obsidian was being exploited throughout prehistory. Sources investigated thus far, especially Coso and Casa Diablo, show very similar production curves indicating a peak in obsidian exploitation during the Newberry and early Haiwee periods which drops off dramatically thereafter (Basgall 1983; Bouey and Basgall 1984; Gilreath and Hildebrandt 1997; Hall 1983; Jackson 1984b; Singer and Ericson 1977).

Given that quantities of this obsidian were being transported westward over the Sierra Nevada to areas of the foothills and San Joaquin valley, it is likely the major passes were frequently used during the Newberry period. To what degree the movement of obsidian through alpine areas influenced other uses of the high country (e.g., hunting) is not known. This would depend in part on whether obsidian was being transported deliberately for trade. Distinguishing the archaeological signature of trade versus direct access to obsidian, however, is a difficult task.

One way to approach the problem is to consider how the demand for obsidian might have changed through time and how territorial circumscription may have affected the ability of groups to acquire obsidian from distant sources directly. For example, Newberry period foragers appear to have required large amounts of toolstone, but they also may have had access to obsidian sources or informal contacts with people who did during the course of extensive seasonal movements (Bouey and Basgall 1984; Delacorte and McGuire 1993). Later Haiwee and Marana period foragers, on the other hand, may have been characterized by less extensive seasonal movements which precluded direct access to obsidian, but they also appear to have required less of it. In this case, trade may have been the easiest way to acquire raw material (Bouey and Basgall 1984).

Prehistoric use of alpine areas of the Sierra Nevada was probably conditioned by several adaptive changes evident in the archaeological record of the Owens Valley, including differing mobility patterns, resource intensification, use of marginal environments, and fluctuations in obsidian demand and exchange. This thesis seeks to investigate how these developments affected the use of Taboose Pass by comparing shifts in site use through time to similar trends on either side of the Sierra crest.

CHAPTER 4

FIELD AND ANALYTICAL METHODS

The sampling strategy for Taboose Pass was designed to provide information regarding temporal trends in the prehistoric use of the area. Sites were chosen for their ability to provide meaningful data related to prehistoric activities as well as for their ability to contribute chronological information. As the project area was located in a difficult-to-access, federally-protected wilderness area, recovery methods were limited to surface collection and minimal subsurface testing.

Previous surveys in the Taboose Pass area covered an area of approximately 400 acres with an average survey interval of 20 meters, identifying 25 prehistoric archaeological sites (Burge and Matthews 2000) (see Figure 2). The present study consisted of a pilot effort involving limited surface collection from 12 of these sites followed by thesis-related fieldwork involving a more thorough examination of six sites. A brief description of the pilot study is presented below followed by a description of the methods employed during thesis fieldwork.

Pilot Study

Sites were chosen for investigation based on the results of a pilot study conducted during the 1999 survey. A small sample (five to 20 flakes per site) of obsidian debitage was collected from 12 sites (CA-FRE-3095, FRE-3098, FRE-3099, FRE-3104, FRE-3105, FRE-3160, FRE-3161, FRE-3162, FRE-3163, FRE-3164, FRE-3165, FRE-3169) to provide a rough idea of how sites were ordered in time, whether or not single component sites could be expected, and the range of hydration values present at this altitude. Additionally, 15 projectile points were subjected to hydration analysis in order to provide a rough estimate of the rate of hydration at Taboose Pass. The results of this pilot study suggested that some sites were inhabited for short periods of time while others had more complex use histories spanning several time periods. Hydration values on projectile points suggested that hydration occurred at a significantly slower rate than at lower altitude areas such as the Owens Valley. Table 1 shows the results of the pilot study along with other data including the presence/absence of various artifact and feature categories and site condition.

Table 1: Results of Taboose Pass Pilot Study

Site	Hyd. Mean	Std. Dev.	GS	RR	PP	Cond.	FW
CA-FRE-3105	1.3	0.2	Y	Y	Y	Good	Y
CA-FRE-3167	1.7	0.7	N	N	N	Good	N
CA-FRE-3104	2.6	1.7	Y	Poss.	N	Fair	N
CA-FRE-3169	2.6	1.4	Y	Y	Y	Good	Y
CA-FRE-3163	3.0	1.2	N	N	N	Good	Y
CA-FRE-3099	3.2	1.0	N	N	N	Good	N
CA-FRE-3098	3.4	1.0	N	N	N	Good	N
CA-FRE-3162	3.4	1.2	N	N	Y	Good	N
CA-FRE-3165	3.5	0.6	N	N	N	Good	Y
CA-FRE-3161	3.8	0.9	N	N	N	Good	N
CA-FRE-3160	3.9	0.6	N	N	N	Good	Y
CA-FRE-3095	4.0	0.3	N	N	N	Good	N

Note: Hyd. Mean=mean hydration reading, Std. Dev.=standard deviation of hydration readings, GS=ground stone artifacts, RR=rock ring features, PP=projectile points, COND= site condition, FW=additional fieldwork

The selection of sites for additional fieldwork was based on several criteria. Two sites, FRE -3105 and FRE-3169, were chosen because they contained a variety of cultural constituents including rock ring features, ground stone artifacts, and projectile points. Three sites were selected because hydration data suggested they represented single component deposits (e.g., FRE-3105, FRE -3165, and FRE -3160). Other sites were chosen because the pilot study provided equivocal results regarding chronological position (e.g., FRE -3169 and FRE -3163). One site, FRE –3104, was rejected for additional fieldwork because of its poor condition. A final site (FRE-3102) was selected for additional fieldwork because it was too large and complex to adequately characterize during the pilot study.

Thesis Fieldwork

Thesis fieldwork involved surface collection at five sites (FRE-3102, FRE-3160, FRE-3163, FRE-3165, FRE-3169) and subsurface testing at one location (FRE-3105). Each site was intensively inspected and all temporally diagnostic artifacts were pin-flagged, mapped, and collected. Other flaked stone artifacts (e.g., flake tools, bifaces) were collected only if they fell within a surface collection unit (see below). Ground and battered stone artifacts were recorded in the field (measured, photographed, attributes recorded) and left in place.

Natural features (e.g., rocks or trees) were designated as datums and recorded as such on maps. From each datum, a baseline was established and pin flags were set at 10-meter intervals to facilitate mapping and placement of collection units. Two types of surface collection units were used to obtain samples of debitage and formed artifacts.

Debitage collection units (0.5 x 0.5 m) were used to collect debitage samples. Tool collection units (5 x 5 m) were used to collect formed flaked stone artifacts such as bifaces and flake tools.

In order to obtain representative samples from each site, surface collection units were distributed evenly across sites. Collection of formed tools at two sites (FRE-3102 and FRE-3160) was accomplished by piece-plotting and collecting tools identified in surface sweeps of the entire site. Other project sites (FRE-3163, FRE-3165, FRE-3169) were subjected to controlled surface collection of formed artifacts using 5 x 5 m tool collection units. From one to two tool collection units were employed at each site, depending on tool densities and site size. Similarly, from two to three debitage collection units (0.5 x 0.5 m) were used at each site. The locations, numbers, and size of debitage collection units were determined by examining debitage densities, as well as the size and complexity of each site.

Two rock ring features at FRE-3105 were subjected to subsurface testing in order to obtain additional artifact samples and macrobotanical remains. Feature units measured 0.5 x 0.5 m and were excavated stratigraphically within 10 cm levels until sterile sediment was reached. All non-retained sediment was screened in the field using 3 mm mesh.

Flaked Stone Analysis

Debitage and formed artifacts from thesis fieldwork as well as from earlier survey and site recordation were subjected to analyses designed to provide information about activities represented at project sites. Each tool category (e.g., projectile point, biface, formed flake tool, simple flake tool, core, and debitage) was characterized according to metrical criteria commonly employed in the Inyo-Mono region (cf. Basgall and Giambastiani 1995; Basgall and McGuire 1988; Bettinger 1989a; Delacorte 1999; Delacorte et al. 1995). Results of flaked stone analyses are presented in tabular form in Appendix C.

Projectile Points

Projectile points were defined as bifacial artifacts retaining proximal hafting elements. Distal ends of probable projectile points were classified as bifaces. A total of 28 projectile points was analyzed, including 11 Rose Spring Corner-notched points, six Cottonwood Triangular points, five Desert Side-notched points, one Humboldt Concave-base point, three undifferentiated concave-base points, and one untypable point. Projectile points were characterized as to completeness, and then measured using attributes described by Thomas (1981). Type designations were assigned by comparison with other collections from the region, and by using attributes defined by Thomas (1981) as a general guide.

Bifaces

Bifaces were defined as artifacts showing a deliberate attempt to work both sides in a regular manner in order to reduce mass, and/or shape the artifact into a finished tool. A total of 20 bifaces was analyzed from the Taboose Pass collection.

Bifaces were assigned to one of five stages of reduction. *Stage 1* bifaces are characterized by thick cross sections, irregular and sinuous margins, and are the result of percussion flaking only. *Stage 2* bifaces are also percussion shaped, but have greater symmetry, slightly thinner cross sections, and less sinuous margins than Stage 1 forms. *Stage 3* bifaces exhibit good planar symmetry, extensive percussion thinning, and regular margin shapes. *Stage 4* bifaces exhibit intermittent pressure flaking and have regularized margins, uniform cross-sections, and more-or-less complete symmetry. *Stage 5* bifaces are extensively pressure flaked and are generally finished tools such as projectile points or formalized bifacial knives. Other attributes recorded for bifaces included spine plane angle, presence/absence of micro-chipping, edge-grinding and other signs of use-wear and modification, and number of arrises per cm. Where possible, an attempt was made to determine the original blank configuration of each biface (e.g., flake vs. core).

Drills

Two artifacts were classified as drills. Drills have narrow, parallel-sided working bits with sub-triangular to diamond-shaped cross sections. Basal morphologies differ depending on whether the implement was intended to be hafted or hand-held. Drills were treated similarly to bifaces with additional description of the bit element included.

Formed Flake Tools

One artifact was classified as a formed flake tool. Formed flake tools are flake blanks with margins that have been deliberately modified by intrusive retouch to form uniform edges. Attributes measured on formed flake tools included edge angle, number of worked edges, edge wear type as well as basic descriptive attributes such as length, width, and weight.

Simple Flake Tools

A total of 24 artifacts was classified as simple flake tools. Simple flake tools were defined as pieces of debitage with one or more worked surfaces and no evidence of deliberate retouch or edge preparation. Attributes measured on simple flake tools included number of worked edges, type of edge wear as well as general descriptive attributes such as length, width and weight.

Cores

Cores are defined as masses of toolstone from which two or more flakes have been struck. Two artifacts were classified as cores. Each core was examined to assess its original form (e.g., tabular cobble, globular cobble, split cobble, chunk). Cores were assigned a type based on platform configuration (e.g., unidirectional, bidirectional, multidirectional). The number of platform surfaces and the maximum length of flake removals were also recorded.

Debitage

Debitage includes all flaking debris resulting from the manufacture, use, and repair of stone tools. By far the largest class of artifacts recovered at Taboose Pass, 1141 artifacts were classified as debitage. The majority of the debitage was obsidian (97.7%) while a small percentage was classified as either cryptocrystalline silicate (2.1%) or quartz (0.2%). Flakes were first size-sorted into five categories, (<1.0 cm, 1.0-2.0 cm, 2.0-3.0 cm, 3.0-5.0 cm, >5.0 cm). Each analyzed flake was then assigned to one of 15 technological categories: (1) *primary decortication*, flakes with more than 70% dorsal cortex; (2) *secondary decortication*, flakes with less than 70% cortex or only a cortical platform; (3) *cortical shatter*, small, chunky pieces of debitage that exhibit any cortex; (4) *simple interior percussion*, flakes straight in cross-section, with one dorsal arris; (5) *complex interior percussion*, flakes straight in cross-section with more than one dorsal arris; (6) *linear interior percussion*, flakes straight in cross-section, twice as long as wide, with one linear arris, and no cortex; (7) *early biface thinning*, flakes curved in longitudinal-section with 1-2 dorsal arrises; (8) *late biface thinning*, flakes curved in longitudinal-section, with more than 2 dorsal arrises; (9) *angular percussion*, cuboidal or chunky pieces of shatter without cortex; (10) *percussion fragments*, sections of percussion flakes lacking other diagnostic attributes; (11) *edge preparation/pressure*, small flakes retaining remnants of tool or core margins with complex dorsal surfaces that cannot be definitively related to pressure-retouch; (12) *linear pressure*, small flakes with greater length than width, one linear dorsal arris, and a well-defined platform; (13) *rounded pressure*, small pressure flakes with round or amorphous outlines and simple dorsal surfaces; (14) *indeterminate percussion*, whole percussion flakes that cannot be typed due to weathering or other hindrance; (15) *indeterminate pressure*, complete or broken pressure flakes that cannot be assigned to categories 11-13.

These fifteen flake types were collapsed into six broader categories reflecting stages of lithic production. The first class, *decortication*, includes flake types 1, 2, and 3. The second class, *interior percussion*, includes flake types 4, 5, and 6. The third class, *biface thinning*, includes flake types 7 and 8. The fourth class, *pressure*, includes flake types 11, 12, and 13. All other flakes were classified as *percussion fragments* (types 9 and 10) or *indeterminate* (types 14 and 15).

Obsidian Sourcing

Due to size limitations imposed by geochemical obsidian sourcing and, more importantly, the cost of such analyses, this study relied on visual sourcing for the majority of obsidian artifacts. Although it is possible to reliably identify many eastern Californian obsidian sources by visual inspection (Bettinger et al. 1984), for the present research, only Fish Springs obsidian was identified visually. This allowed a large sample of artifacts from the most prevalent local obsidian source to be identified and used for chronological purposes. Results of both visual and geochemical sourcing performed on debitage from Taboose Pass suggest that greater than 90% of the material originated at the Fish Springs source. Conversely, projectile points and other finished tools showed relatively greater source diversity.

Of the three most common obsidian sources encountered in archaeological collections in the area surrounding Taboose Pass, Fish Springs obsidian is the most visually distinctive. In particular, Fish Springs obsidian exhibits a blue-green iridescence under low incident angle light which has not been observed among other local obsidians (Bettinger et al. 1984). For this reason, only artifacts exhibiting this blue-green iridescence under low-power magnification were classified as Fish Springs obsidian. This probably resulted in other Fish Springs artifacts being excluded from obsidian hydration analysis, but more importantly, it likely diminished the number of artifacts incorrectly assigned to the Fish Springs source.

A small sample of obsidian artifacts was geochemically sourced using energy dispersive X-Ray Fluorescence (XRF). First, a sample of 12 obsidian projectile points was submitted to Northwest Obsidian Research Laboratories for sourcing and hydration analysis in order to provide information about the diversity of sources represented among artifacts from Taboose Pass and to augment the number of source-specific hydration readings for projectile points recovered from high elevation contexts. Next, four additional projectile points and 50 pieces of debitage were submitted to Northwest Obsidian Research Laboratories to check the accuracy of visual sourcing, and to examine the source diversity present in remaining samples that could not be confidently visually assigned to the Fish Springs source. Appendix A summarizes the results of geochemical sourcing work.

Ground Stone Analysis

Twenty-two ground stone artifacts were observed during the thesis fieldwork. Milling equipment was analyzed in the field and left in place. Because of the small sample of ground stone artifacts present at Taboose Pass, artifacts found in "non-site" contexts were analyzed in addition to artifacts from project sites. In all, seven handstones and ten millingslabs were analyzed. Two additional pieces of miscellaneous ground stone (pumice) and three steatite vessel sherds were collected and basic descriptive attributes recorded.

The methodology of this analysis of ground stone artifacts centers around the assumption that the form and construction of ground stone implements was conditioned by functional, not stylistic concerns (cf. Basgall et al. 1988). Attributes recorded for ground stone artifacts included presence/absence of polish, presence/absence of pecking, and degree of shaping, as well as observations of polish, striations, and surface configuration of utilized faces. While no single attribute will generally indicate the way a ground stone artifact was used, the aim of this analysis was to combine all recorded attributes in order to make general statements about use intensity, and likelihood of curation. Appendix C includes a summary table of ground stone attribute data.

Plant Macrofossil Analysis

Four bulk flotation samples were collected during the test excavation of features F-1 and F-5 at FRE-3105. These samples ranged in volume from 1.5 to 4.5 liters and in weight from 1.46 to 4.61 kg. Soil flotation was completed according to methods described by Basgall and Wohlgemuth (1988). Samples were processed by adding water to steel drums and stirring the mixture to release floating particles. A 40/inch (0.38 mm) fine mesh screen was used to skim floating particles of carbon and other material (i.e., the light fraction) from the surface of the water. The suspended remains were decanted through the same size mesh. This light fraction was transferred to, and dried in chiffon cloth bundles. This process was repeated a minimum of three times to ensure all retrievable carbonized remains were recovered. Remaining gravels and other heavy fraction constituents were separated from finer particles by washing the mixture through 1/16 in (1 mm) window screen. The heavy fraction was then dried slowly, bagged, and examined for artifacts and faunal remains.

After the light fractions were dry, they were passed through a series of nested shaker screens to segregate the material into four sizes (from largest to smallest: 10/in (1.75 mm), 16/in (1 mm), 24/in (0.5 mm), and 35/in (0.4 mm). Material from each light fraction size was then sorted to separate burned from unburned material (100% of 10/in and 16/in, 25% of 24/in and 35/in). The burned material was then examined under low power (7X) magnification to identify seeds, seed fragments, nut shell, and other botanical remains. Recovered botanical remains were identified by Wendy Pierce at the Archaeological Research Center, California State University, Sacramento using the comparative collection housed there. All scientific and common plant names were taken from *The Jepson Manual* (Hickman 1993 [third printing with corrections 1996]).

Radiocarbon Analysis

A single radiocarbon determination was made on a sample of charcoal taken from the 10/in (1.75 mm) size class carbon in Flotation Sample 3. This flotation sample was taken from FRE-3105, Subfeature F-1A. A description of this feature and the results of the radiocarbon assay are presented in Chapter 5 and Appendix B.

Obsidian Hydration Analysis

The majority of chronological data in this thesis are derived from obsidian hydration analysis. Obsidian hydration analysis was performed by personnel at the Sonoma State Anthropological Studies Center (eight projectile points), Northwest Obsidian Research Laboratories (15 projectile points), and by the present author at the California State University, Sacramento, hydration laboratory (4 projectile points, 13 bifaces, one core, one formed flake tool, 16 simple flake tools, and 375 pieces of debitage). Results of hydration analyses are presented in Appendix A).

Selection of artifacts for obsidian hydration analysis differed between the pilot study and the thesis fieldwork. All artifacts (n=174) from the pilot study underwent hydration analysis while hydration analysis on artifacts recovered from the thesis fieldwork was limited to those visually or geochemically sourced (n=259). For Taboose Pass sites, all calculated dates are derived from obsidian hydration readings on Fish Springs obsidian.

Hydration Rate Construction

Hydration readings were converted to years B.P. estimates using source-specific hydration rates. To date, most source-specific hydration rates have been formulated using artifacts from low to mid elevation settings. In order to apply these rates to artifacts recovered from Taboose Pass (elevations from 10,900 to 11,500 ft.), corrections were generated that take into account the slower rate of hydration at higher altitudes/colder temperatures. Rather than simply constructing an altitude correction for Taboose Pass, however, an attempt was made to produce rates with corrections for Effective Hydration Temperature (EHT) that are useful over a broad range of elevations and environmental settings. This allowed hydration-derived date estimates from Taboose Pass to be compared to chronological data from sites in the surrounding region.

Commonly, when sites are compared across different temperature regimes (e.g., comparisons between the Sierra crest and the floor of Owens Valley), sites from both areas feature either radiocarbon dates, hydration data, or a combination of the two. Radiocarbon dates are comparable, but hydration data are influenced by environmental variables; temperature being particularly important. This study used temperature-adjusted obsidian hydration rates in order to place data collected in disparate localities on one time scale that is, within a wide margin of error, comparable. Three hydration rates were constructed for this thesis, one for each of the three most common obsidian sources in the region; Fish Springs, Casa Diablo, and the Coso Volcanic Field (see Figure 4).

To construct the hydration rates, weather station data from Fresno, Tulare, Inyo, and Mono counties were used to calculate EHT (cf. Lee 1969) at a variety of elevations and environmental settings (see Table 2). Using these data, regression equations were constructed plotting EHT against elevation, allowing an estimated EHT to be calculated for any given location and elevation in the region. One equation was used for sites in Inyo and Mono counties and a separate equation was used for sites on the western slope of the Sierra Nevada (see Figure 4).

Table 2:Regional Weather Station Data

Weather Station	County	Elevation (ft.)	UTM Easting	UTM Northing	EHT ºC
Fresno Yosemite Intl. Ap.	Fresno	333	257654	4074081	18.9
Balch Power House	Fresno	1720	314499	4087456	17.9
Auberry 2 NW	Fresno	2090	314945	4107797	17.3
Cedar Grove Ranger Stn.	Fresno	4652	351361	4071935	12.1
Big Creek PH 1	Fresno	4878	300396	4119231	13.9
Huntington Lake	Fresno	7020	303441	4122859	8.6
Visalia	Tulare	325	293646	4023179	18.9
Ash Mountain	Tulare	1708	335851	4038924	18.9
Posey 3 E	Tulare	4959	352494	3962801	11.7
Giant Forest	Tulare	6412	341994	4048058	9.8
Grant Grove	Tulare	6598	324475	4066896	9.3
Lodgepole	Tulare	6733	345044	4051702	7.3
Haiwee	Inyo	3825	414602	3998959	17.4
Independence	Inyo	3944	393028	4073162	17.4
Bishop Airport	Inyo	4102	380539	4136206	15.4
Bishop Creek	Inyo	8396	358150	4121759	7.8
Lake Sabrina	Inyo	9065	356639	4119935	7.6
South Lake	Inyo	9580	360985	4114313	5.9

Note: Data from N.O.A.A., National Climatic Data Center, Asheville NC. South Lake EHT used for both east-side and west-side regressions.

EHT Regression Equations:

East of Sierra Crest:

$$EHT = e^{(E - 20123/-5720.2)}$$

West of Sierra Crest:

$$EHT = e^{(E - 21142/-6629.5)}$$

Note: E=Elevation (ft.), e=base of natural logarithms (2.718), EHT=Effective Hydration Temperature (ºC)

Hydration Rate Equations:

Casa Diablo:

$$x^2/\left[1.369*10^{12}e^{-7368.3(1/T)}\right] = t$$

Fish Springs:

$$x^2/\left[2.442*10^{14}e^{-8860.2(1/T)}\right] = t$$

Coso Volcanic Field:

$$x^2/\left[1.231*10^{17}e^{-10549(1/T)}\right] = t$$

Note: x=hydration in microns, e=base of natural logarithms (2.718), T=temperature in degrees Kelvin (ºK=ºC+273.16), t= time in thousands of years

Figure 4: Hydration Rate and EHT Estimation Equations

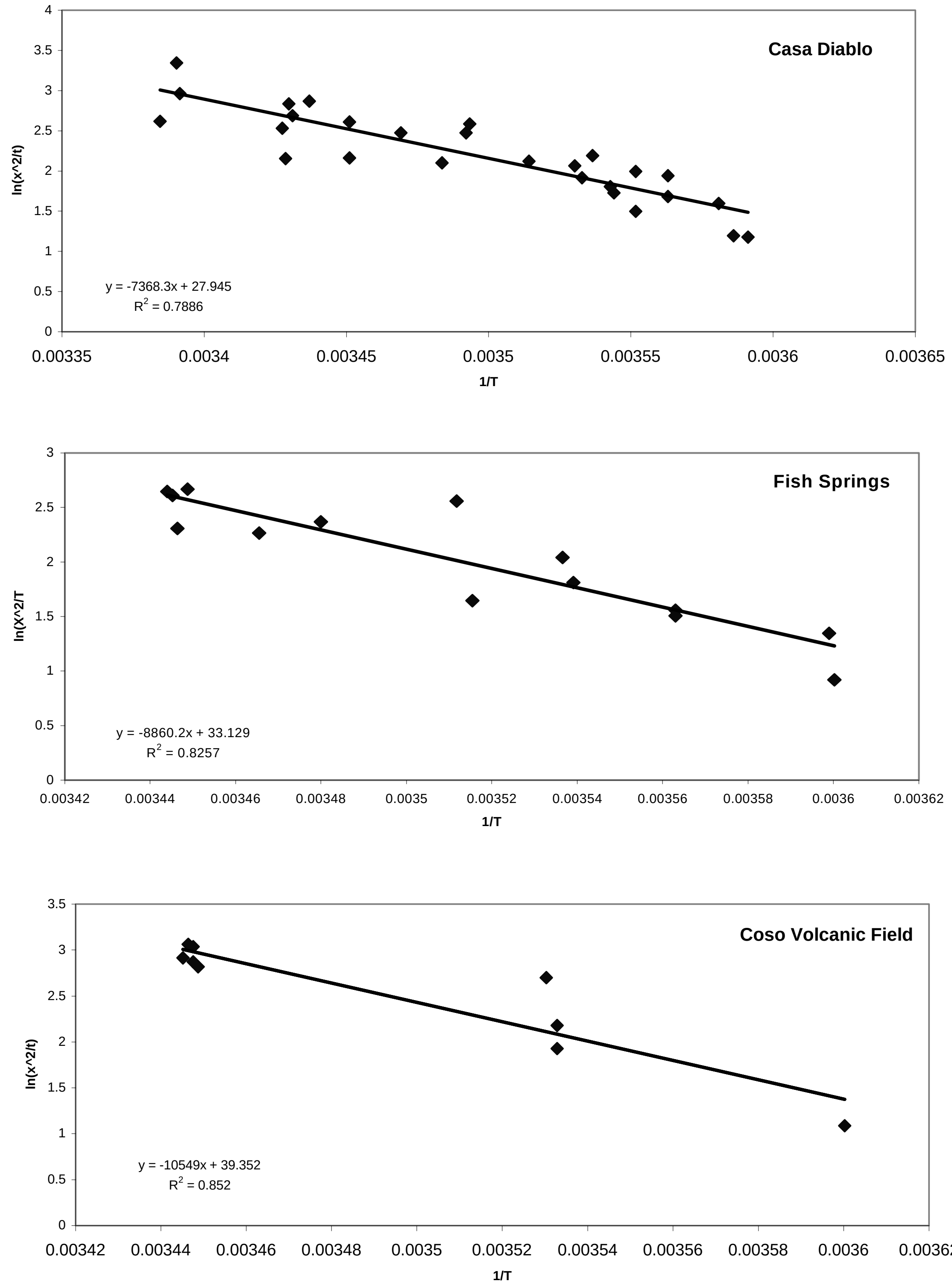


Figure 5: Hydration Rate Graphs (relationship of time, temperature, and hydration)

Once EHT values were calculated for sites throughout the region, hydration readings from time-sensitive projectile point types were grouped according to EHT and averaged for each two-degree (C) interval. The resulting hydration and time period midpoint values were graphed according to the method described in Hull (2001) where the natural log of hydration squared divided by time in thousands of years ($\ln X^2/t$) is plotted against EHT (1/T) in degrees Kelvin (see Figure 5). In all, 679 projectile points from both the western Great Basin and the Sierra Nevada were used to construct hydration rate equations for each of the three obsidian sources: 445 were from Casa Diablo, 143 were from Coso, and 91 were from Fish Springs (see Appendix D for sources of data). The resulting hydration rates are shown in Figure 4. When these rates are applied to time-sensitive projectile points from across the region, most cluster within accepted ranges (see Figure 6). Although this test remains somewhat circular, it suggests that derived dates may provide a reasonably accurate measure of time in a variety of environmental settings.

It should be pointed out, however, that these hydration rates are likely to be less accurate at estimating older dates. This effect can be seen in Figure 6, where Elko series projectile points show a much wider spread of calculated dates than do either Rose Spring or Desert series points. Even accounting for the longer interval of time represented by the Newberry period, it seems there are some real problems in the dating to be resolved. This could be partly due to confusion over typology of various forms lumped in with Elko points, but other factors such as the effects of sandblasting, fire, and the taphonomic history of individual artifacts, could also become more important to consider as the dated objects get older. Most hydration rates, including those constructed for this study, are

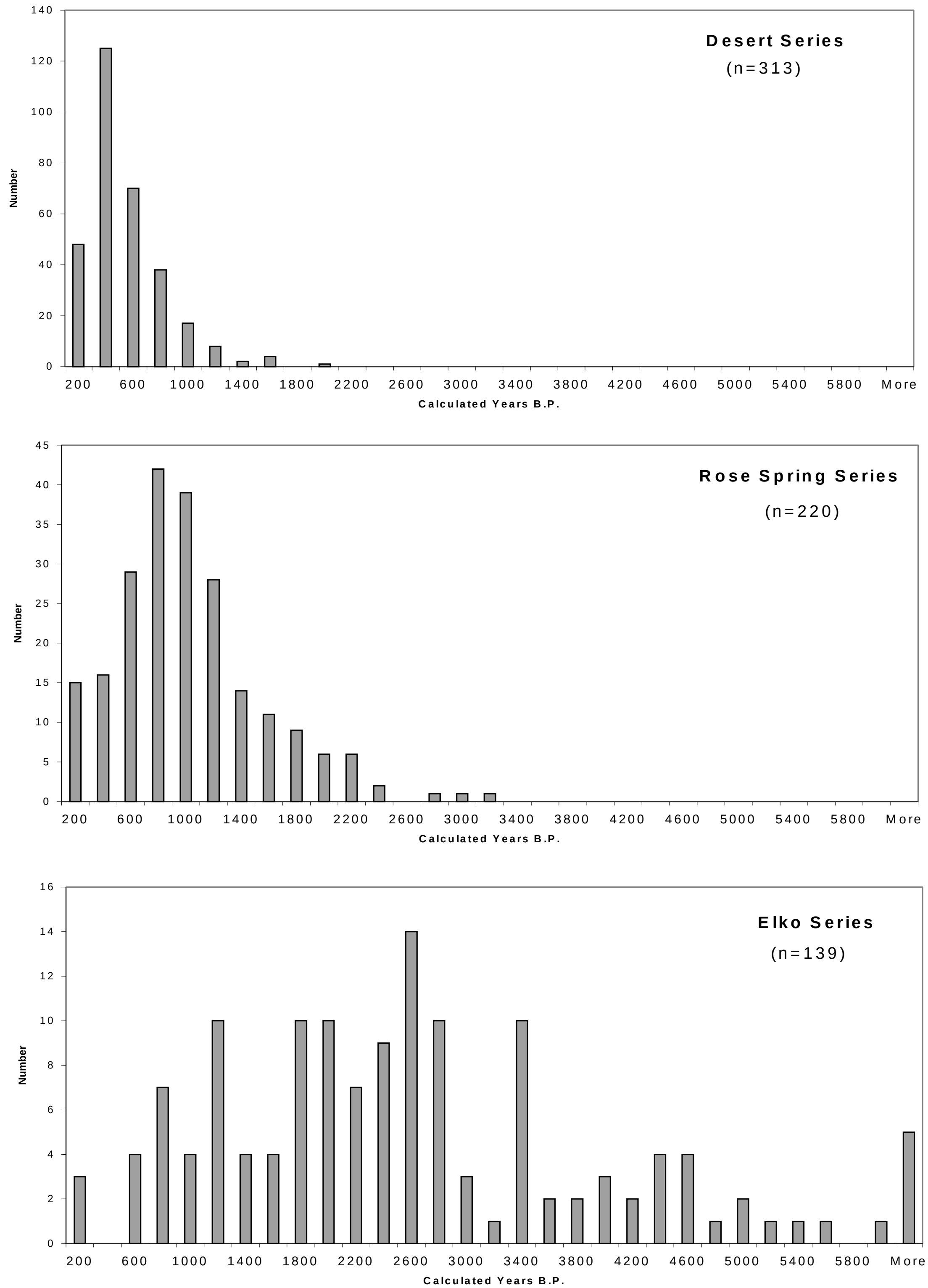


Figure 6: Hydration-derived Dates on Time Sensitive Projectile Points. Interval 200=0-200 years B.P., similar 200 year span for other intervals.

based on a larger amount of chronological data relating to later prehistoric periods. For these reasons, hydration-derived dates included in this thesis, and the rates used to calculate them, should only be considered reasonably accurate as far back as ca. 3500 B.P. Beyond this, typologies are less certain and the obsidian hydration process is less well understood.

An additional point that should be made is that hydration rates constructed for this thesis were designed specifically for their suitability to a variety of temperature regimes. This does not mean they are the most accurate rates available for every environmental setting. In particular, rates based on radiocarbon-hydration pairings (e.g., Basgall and McGuire 1988; Hull 2001) are more desirable because they lack the additional inferential step of assuming projectile point types are of a known age. To date, however, very few radiocarbon-hydration pairings are available from high-elevation sites. Consequently, projectile point-based rates were relied upon for this study.

Time-Sensitive Artifacts: Projectile Points

A total of 28 projectile points from the Taboose Pass area was analyzed for this study including 11 Rose Spring Corner-notched points, six Cottonwood Triangular points, five Desert Side-notched points, one Elko point, one Humboldt Concave-base point, three undifferentiated concave-base points, and one untypable point. Projectile point metrical data are provided for points recovered during the initial survey and site recordation, pilot study, and thesis fieldwork phases. Selected points appear in Figures 7, 8, and 9.

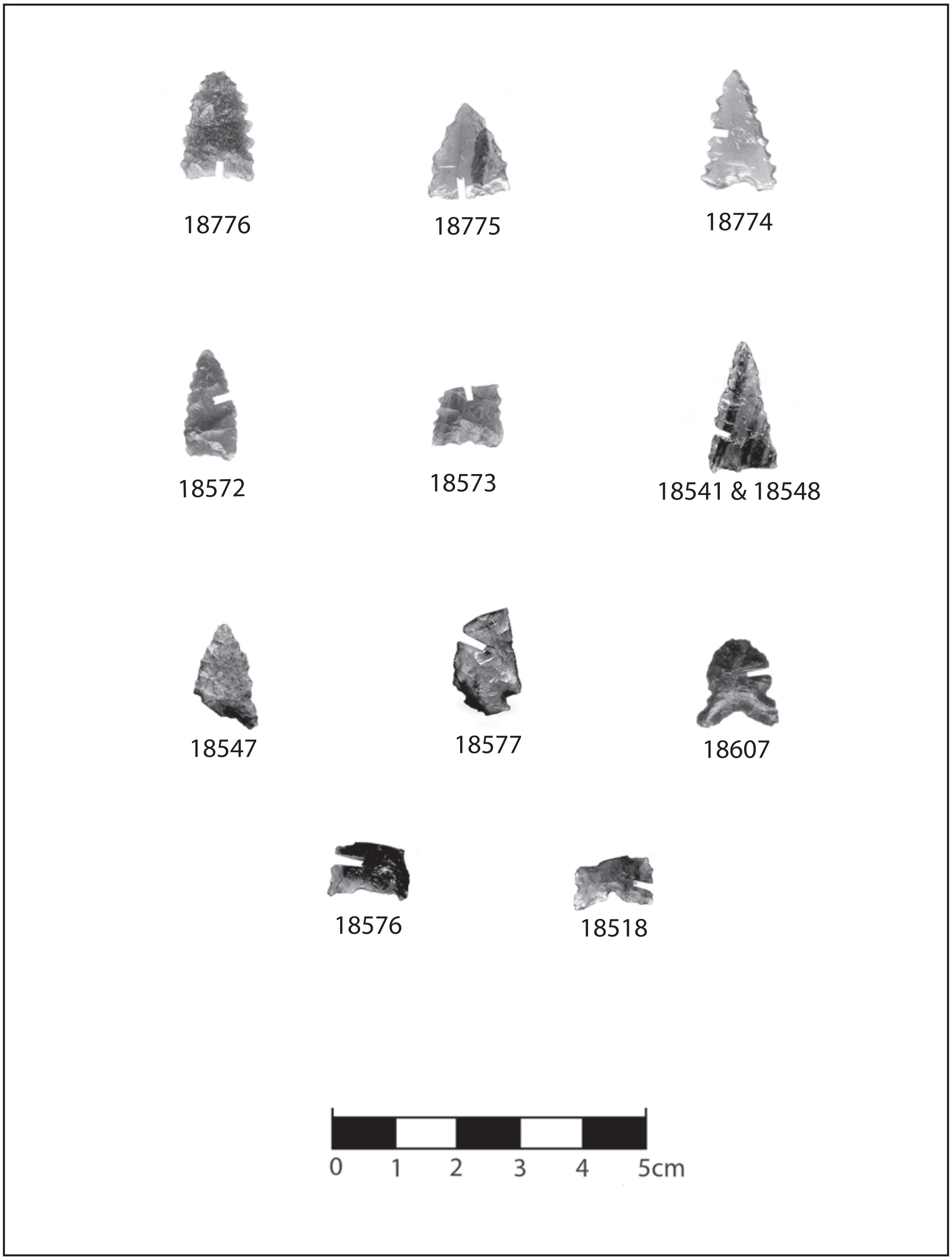


Figure 7: Desert Series Projectile Points.

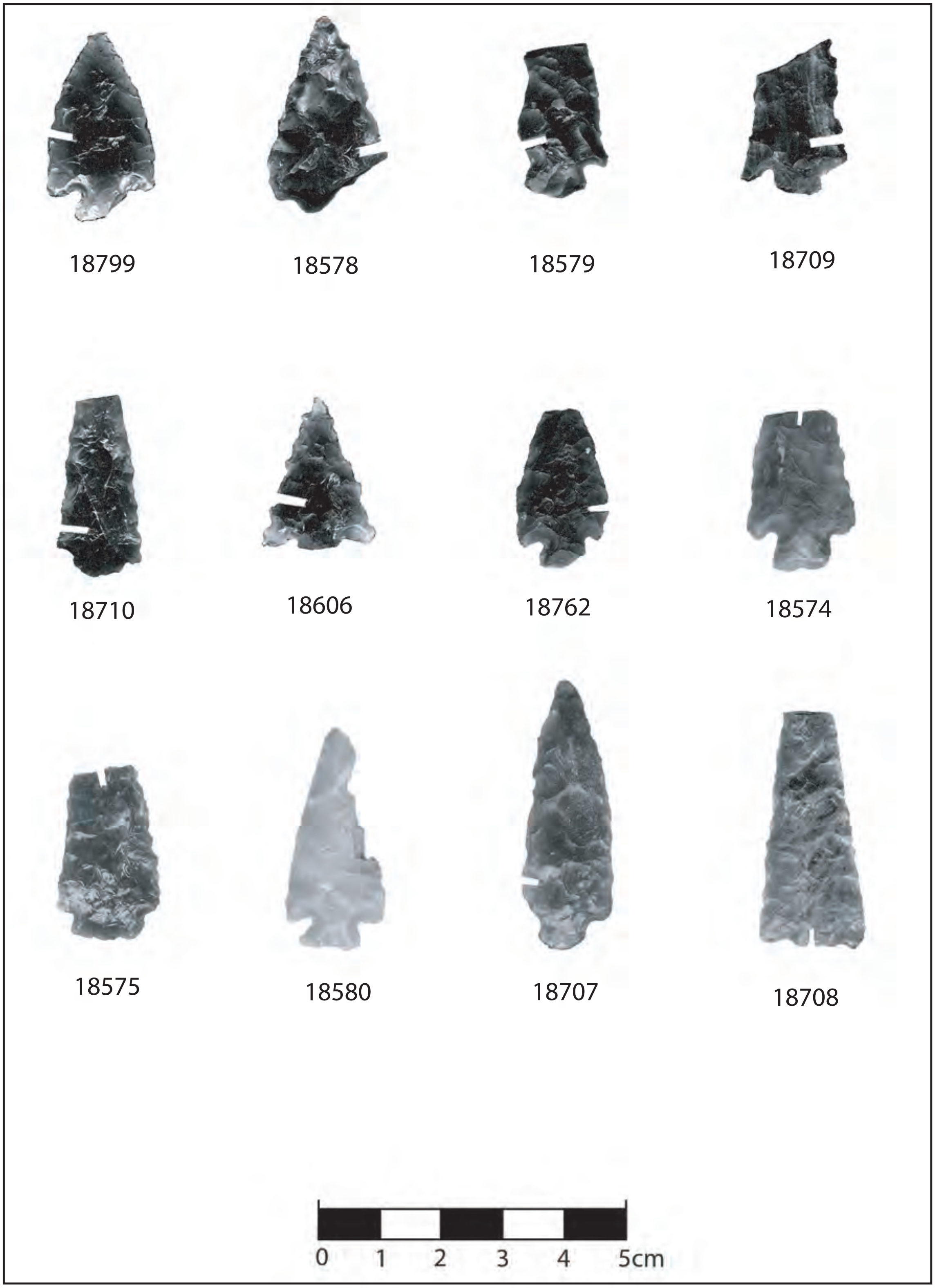


Figure 8: Rose Spring series projectile points.

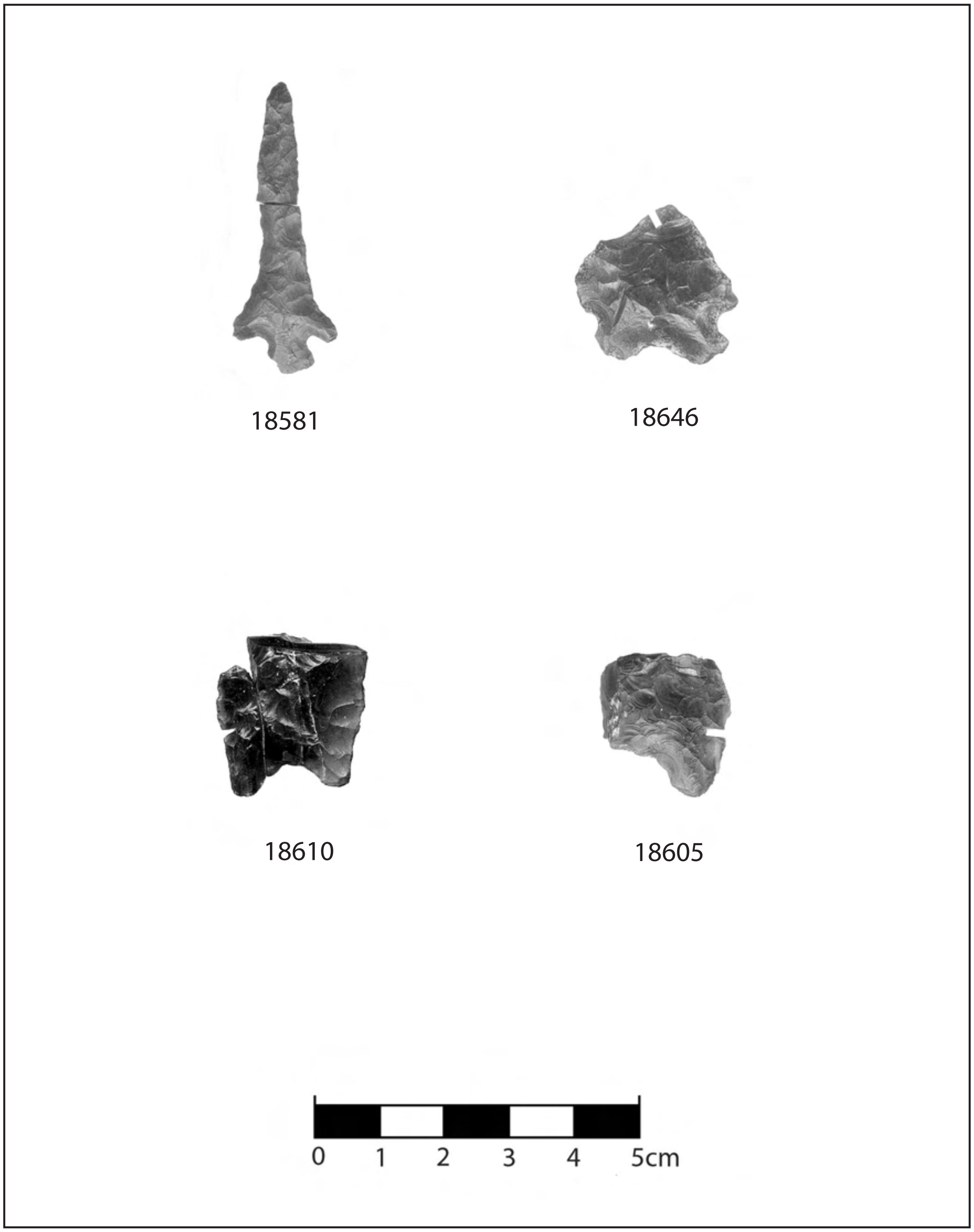


Figure 9: Drill and other projectile points.

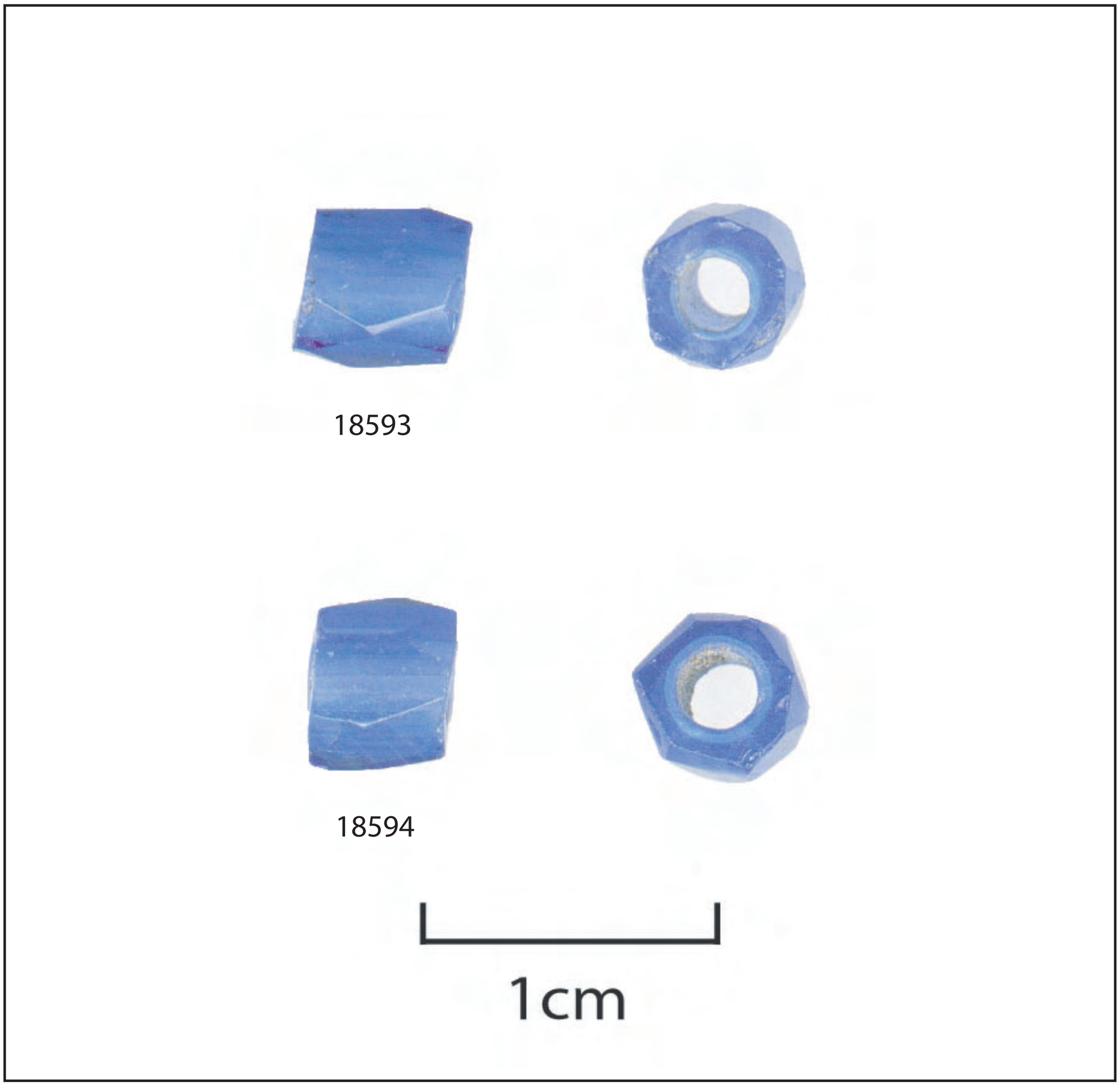


Figure 10: Glass Beads.

Desert Series Points

Desert series points include Desert Side-notched and Cottonwood Triangular projectile points (Baumhoff and Byrne 1959; Heizer and Hester 1978; Thomas 1981). Desert Side-notched points are small and triangular in outline, with bilateral side-notching. Notches are variable in depth and basal sections vary from slightly concave to notched. Cottonwood Triangular points are similarly small and triangular in outline but are unnotched and often have slightly concave bases. Four of the Cottonwood Triangular points recovered from Taboose Pass sites were also laterally serrated. Both Cottonwood Triangular and Desert Side-notched points were often made on flake blanks and were used as projectile tips for arrows. Desert series points are considered late prehistoric forms in the Great Basin and Sierra Nevada, dating after ca. 650 B.P. (Basgall and McGuire 1988; Bettinger 1989a; Delacorte 1999).

Rose Spring Series Points

Rose Spring projectile points are small, corner-notched or less commonly, contracting-stemmed arrow points with triangular blades (Heizer and Baumhoff 1961; Lanning 1963; Thomas 1981). Rose Spring series points are thought to date between 1350 and 650 B.P. in the western Great Basin (Basgall and McGuire 1988, Bettinger 1989b; Thomas 1981). In the lower foothills of the Sierra Nevada, Moratto (1984) assigns Rose Spring points to his Raymond phase (ca. 1650-450 B.P.).

Elko Series Points

Elko series points are large, wide-bladed points that occur in corner-notched, eared, and less commonly, side-notched and contracting stem variants (Thomas 1981). These points are traditionally dated between ca. 3500 to 1350 B.P. in the Western Great Basin (Basgall and McGuire 1988; Bettinger and Taylor 1974; Heizer and Hester 1978; O'Connell 1967; Thomas 1981). Recent work in the Inyo-Mono region suggests other large corner-notched and side-notched forms are indicative of a somewhat earlier temporal span (Basgall 2002; Basgall and Giambastiani 1995; Basgall et al. 1995; Gilreath and Hildebrant 1997). Elko series points are less common in archaeological collections from west of the Sierra crest, where large concave-base forms conventionally called "Sierra Concave Base (cf. Moratto 1972)" seem to replace Elko forms (Garfinkel et al. 1979:71).

Concave Base Points

Concave-base projectile point forms in the Great Basin are frequently placed within the Humboldt series. These points were first defined by Heizer and Clewlow (1968) in western Nevada, and have since been reported from areas far removed from their original description. Hester and Clewlow recognized three main varieties: Humboldt Basal-notched, Humboldt Concave-base "A," and Humboldt Concave-base "B." Humboldt Basal-notched points were described as long and flat with a triangular outline and a broad notch in the base while Humboldt Concave-base "A" points were said to be large and leaf-shaped in outline with a narrow concave base. Humboldt Concave-base "B" points were considered a smaller form of the latter point (Heizer and Clewlow 1968).

Thomas (1981) abandoned the idea of separate Humboldt types and collapsed all three forms into a more general Humboldt series. Thomas maintained that these points are a poor time marker, spanning from 4950 to 1250 B.P at Gatecliff Shelter (Thomas 1981:17). Other investigators (e.g., Bettinger 1978) have placed Humboldt Concave-base points in the Little Lake Period spanning 5400-3150 B.P. (Bettinger and Taylor 1974) while Humboldt Basal-notched forms have been assigned a later age range equivalent to the Haiwee period (1350-650 B.P.) (Bettinger 1978). Subsequent research has tended to support the idea that Humboldt Concave-base points are generally markers of the Newberry period (3500-1350 B.P.) (Basgall and McGuire 1988; Hall and Jackson 1989). Humboldt Basal-notched points, however, may persist into the early Haiwee period and Humboldt Concave-base forms may somewhat predate the Newberry period at the early end of their time span (Basgall, personal communication).

Further complicating the terminology of concave-base forms in the Sierra Nevada is the aforementioned Sierra Concave-base point defined by Moratto (1972) at Buchanan Reservoir. The Sierra Concave-base morphology is essentially identical to that of Humboldt Basal-notched points, the use of one name or the other being largely determined by the location of the find. Moratto originally assigned this point type to his Chowchilla phase (2250-1650 B.P.). Garfinkel et al. (1979) similarly placed the Sierra Concave-base point in their Canebrake period (3150-1350 B.P.). Subsequent work based on obsidian hydration, however, suggests that these concave-base points may date considerably later in the southern Sierra Nevada (Caputo 1994; TCR and ACRS 1984; Jackson and Dietz 1984). Clearly, more work is necessary to understand the morphological and temporal variability present in large concave-base point forms in the southern Sierra Nevada.

Glass Beads

Two blue glass hexagonal trade beads were collected from the surface of site FRE-3105 (see Figure 10). While glass beads mark the protohistoric and historic periods generally, this style of bead in particular is placed by Titchenal (1994) into the period of A.D. 1849-1856. According to Titchenal's scheme, these beads are classified as CMG7b1(medium, translucent cobalt blue, ground molded cane, hexagonal).

Steatite Vessel Fragments

The use of steatite in the Sierra Nevada foothills is placed by Moratto (1984) into his Madera Phase (ca. 450-150 B.P.). Steatite beads and vessel fragments have been found throughout the Southern Sierra Nevada (Goldberg and Moratto 1984; Goldberg et al. 1986; Hale and Hull 1997; Moratto 1972; Moratto 1988; Mundy 1991; Von Werlhof 1960; Wallace 1993; Wallace et al. 1989). Steatite vessels were probably utilitarian items used for cooking (Gayton 1948:266; Gifford 1932:25). This is supported by the fact that steatite vessels are generally less common at sites south of Fresno County, where brownware pottery is more common. Steatite artifacts, in the form of disc beads and vessel fragments also occur in the Owens Valley, where they are also considered to be late prehistoric time markers (Basgall and McGuire 1988; Burke et al. 1995; Delacorte and McGuire 1993). Ethnographically-documented sources of steatite are found in several locations in the lower foothills of Madera, Fresno, and Tulare counties (Gifford 1932; Latta 1977; Moratto 1988; Walker 1935).

CHAPTER 5

RESULTS OF FIELDWORK

This chapter details the results of thesis-related fieldwork conducted at six sites at Taboose Pass. Results from each site are first presented individually, then a discussion follows comparing data and interpretations from all sites.

CA-FRE-3105

This large site is characterized by a variety of artifact types concentrated around several rock ring features that appear to mark the remains of domestic structures (see Figure 11). Two of the rock ring features (Features F-1 and F-5) constitute unambiguous prehistoric constructions and are associated with rich artifact inventories, while the other three features identified (Features F-2, F-3, and F-4) are more ephemeral and have not have not produced clear signs of prehistoric use. The site occupies a small south-facing rise overlooking a large meadow area below Taboose Pass. Situated at an elevation of 11,023 ft., the site is vegetated with lodgepole and whitebark pines (*Pinus contorta, P. albicaulis*) with perennial grasses, forbs, and other plants characteristic of alpine meadow environments present in the surrounding area. Small spring-fed creeks occur on either side of the site. Of the six sites examined for this thesis, FRE-3105 is unique in the diversity of artifacts recovered, the numbers of diagnostic artifacts, and the presence of well-preserved rock ring features.

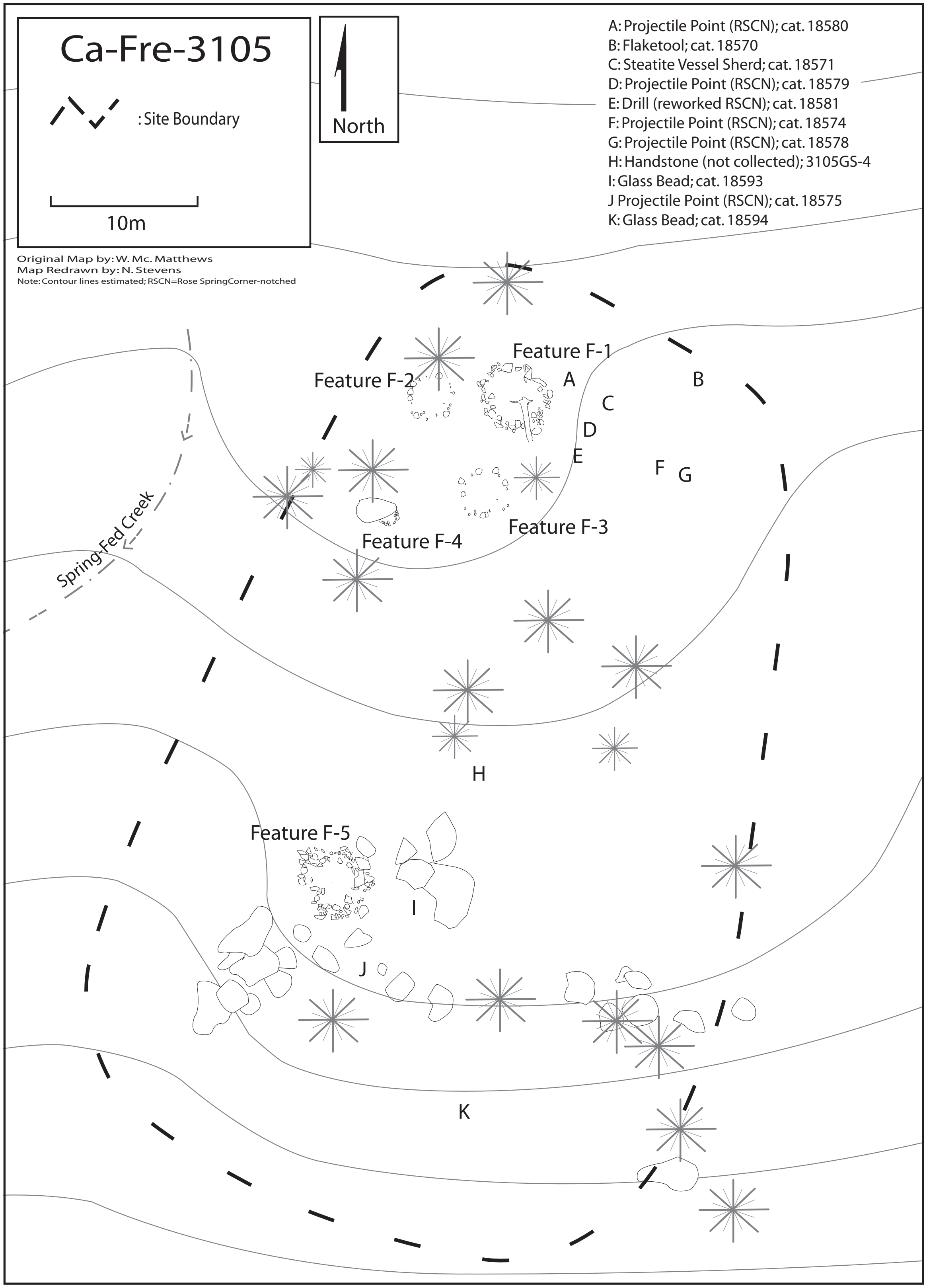


Figure 11: CA-FRE-3105 Site Map.

Field Methods

Whereas surface collection was the focus of field investigations at other sites, FRE-3105 was treated differently due to the presence of rock ring features. Investigations during initial survey and site recordation (Burge and Matthews 2000) had previously involved the collection of a significant number of diagnostic surface artifacts, so the thesis fieldwork instead focused on subsurface testing.

Two of the four rock ring features (Features F-1 and F-5) underwent minimal subsurface testing in order to determine the depth and structure of the cultural deposit as well as to obtain artifacts for obsidian hydration analysis. Feature units measured 0.5 x 0.5 m and were excavated stratigraphically within 10 cm levels. Units were closed after a significant drop in artifacts was accompanied by a soil change to non-midden soil. All sediment was screened using 3 mm mesh.

Subsurface Testing

The three units excavated at FRE-3105 provided valuable information about the nature of the subsurface deposit within Features F-1 and F-5 (see Figures 12 and 13). Two contiguous 0.5 x 0.5 m units were excavated within Feature F-1, resulting in a 0.5 x 1m exposure that provided a partial cross section of the feature (see Figure 14). Sediment was sandy, medium to dark gray brown, and loose to moderately compact, to a depth of ca. 20 cm, where sediments changed abruptly to light yellowish brown silt with many angular cobbles. During excavation, sediments were divided into three strata based on color and texture differences. Although slight differences were observed between Strata 1 and 2 in the field, they likely represent a single cultural layer. Stratum 3,

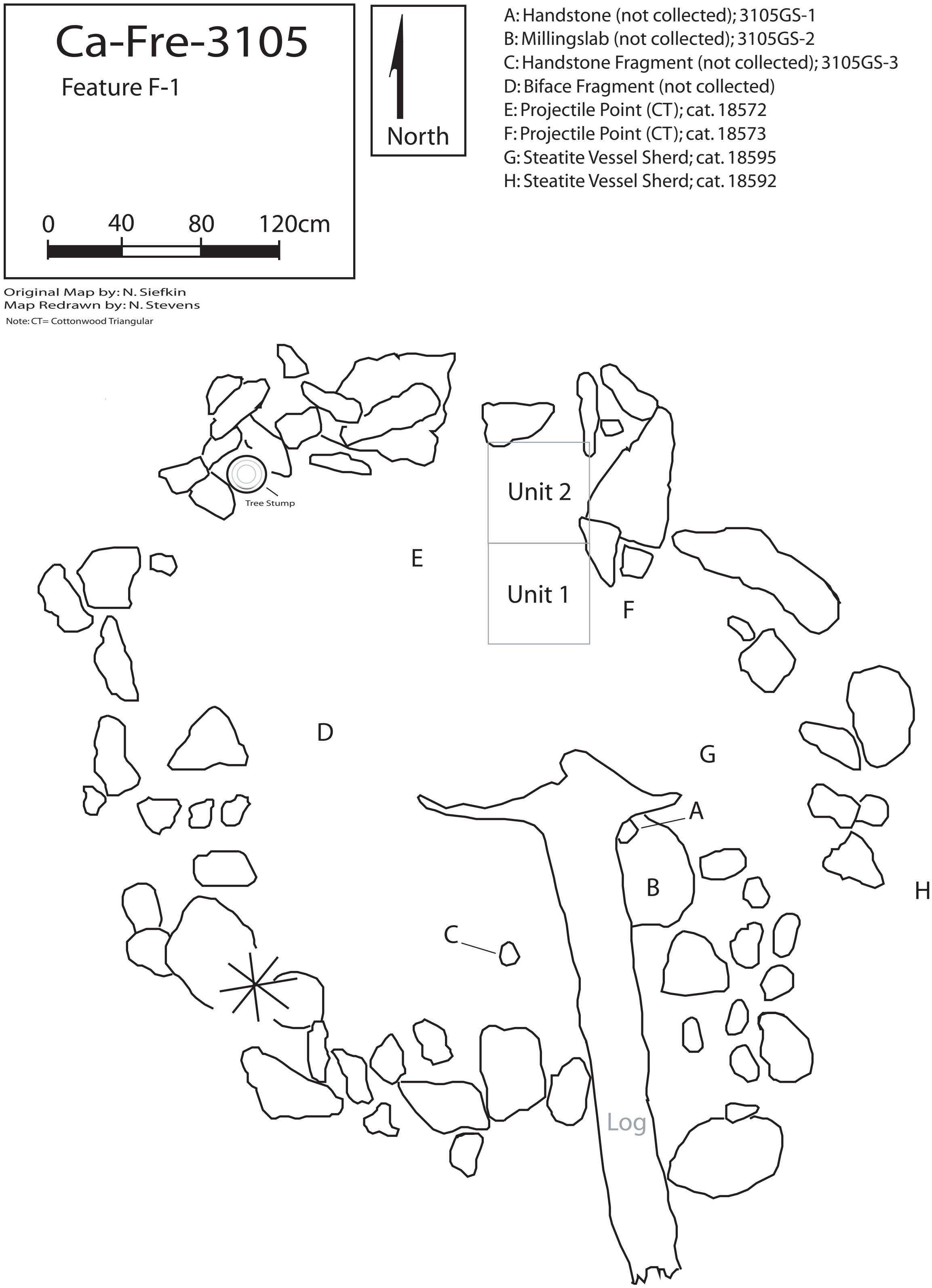


Figure 12: CA-FRE-3105, Feature F-1 Plan View.

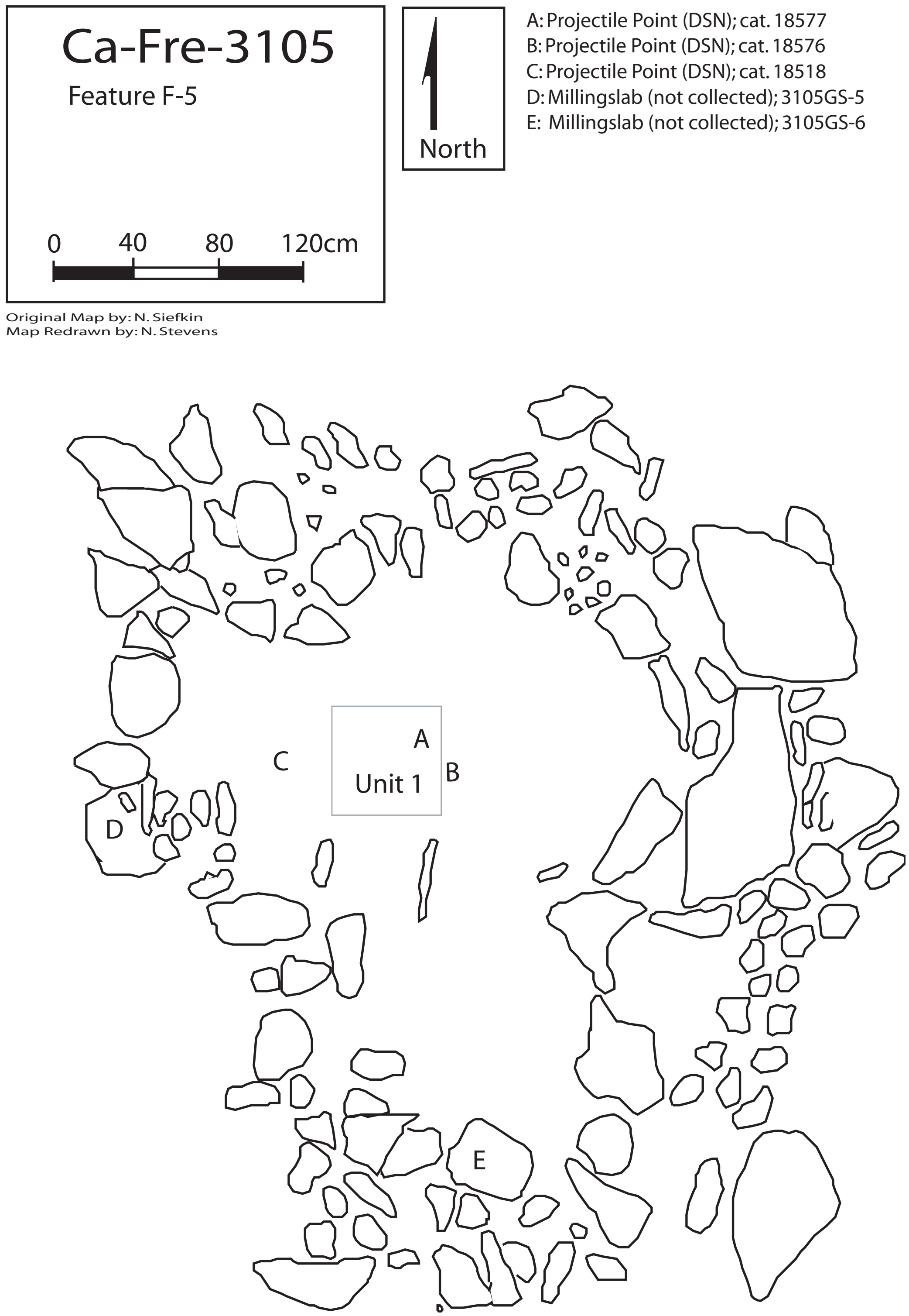
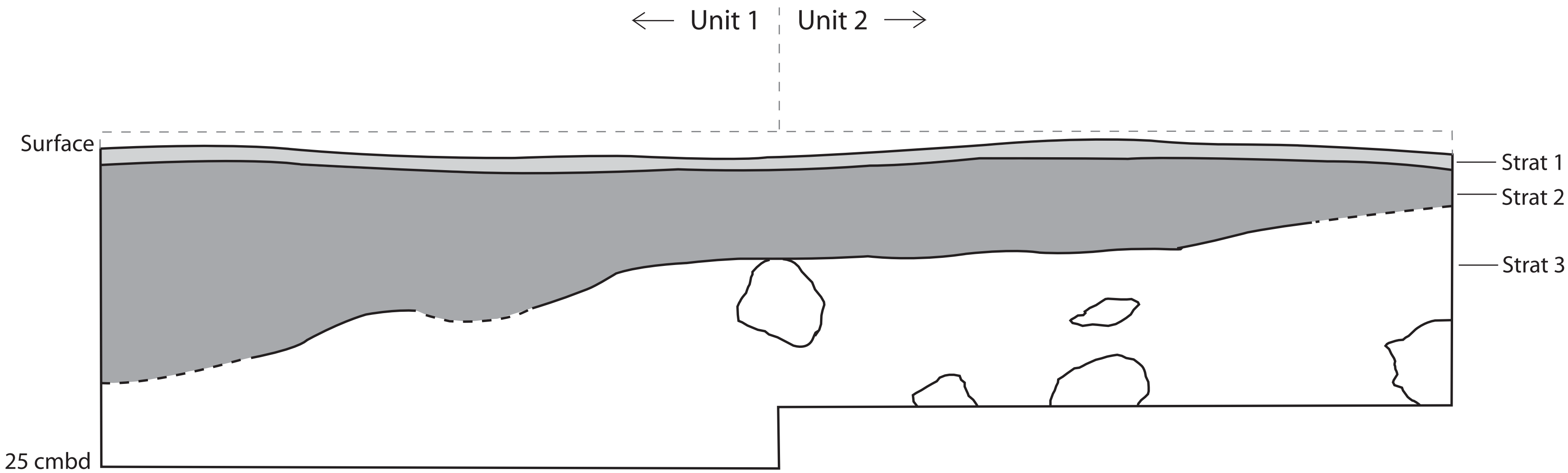


Figure 13: CA-FRE-3105, Feature F-5, Plan View.

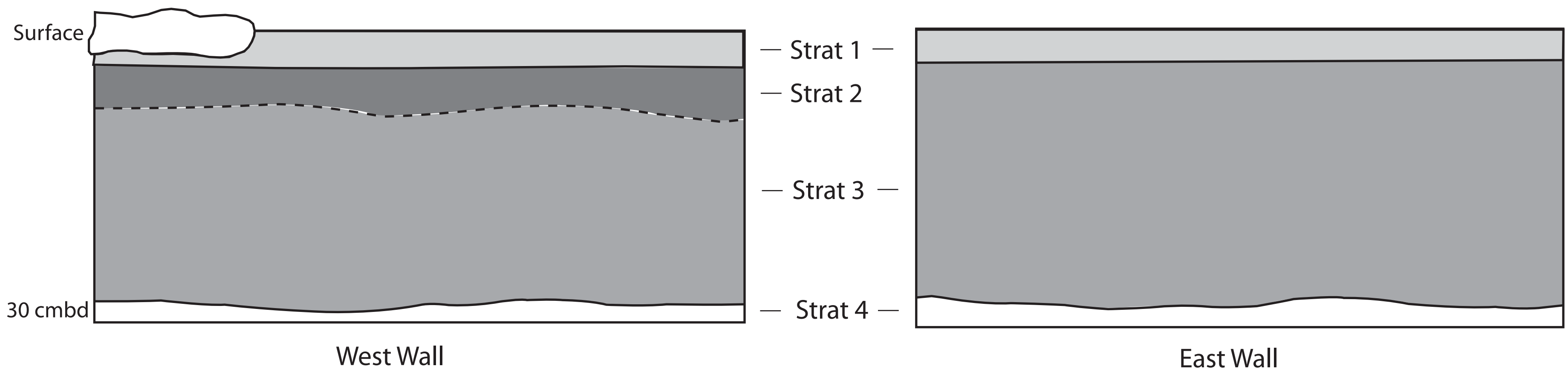


Strat 1: Loose medium gray sand with some silt and low to moderate percentage gravel and occasional fist-sized and larger cobbles.

Strat 2: Slightly compact moist dark gray sand and silt with low to moderate percentage gravel and occasional fist-sized and larger cobbles.

Strat 3: Slightly compact silty orange-brown sediment with moderate percentage pea to marble sized gravel and many roots and rootlets.

Figure 14: Ca-Fre-3105 Feature F-1, Units 1 and 2 West Wall Profile



Strat 1: Loose dark gray fine sand with low to moderate percentage gravel

Strat 2: Loose to soft moist medium to dark gray sand and silt with low to moderate percentage gravel

Strat 3: Soft to slightly compact moist brownish sand and silt with fewer fist-sized and smaller cobbles and more large pieces of charcoal. Subfeature 5A was encountered within Stratum 3 and consisted of a darker area with charcoal flecks partly flanked by cobbles. Immediately below Subfeature 5A, between it and Stratum 4, was a thin layer of orange-brown heat-affected sediment.

Strat 4: Slightly compact very light yellow sand with some silt with high percentage gravel

Figure 15: Ca-Fre-3105, Feature F-5, Unit 1 East and West Wall Profiles.

the basal layer, does not appear to be culturally modified and artifacts found within it are probably the result of downward migration. It is noteworthy that the sidewall profile clearly shows the cultural layer sloping downwards towards the center of the feature and thinning out towards the edge (see Figure 14). This suggests the structure had a dish-shaped, perhaps deliberately excavated, floor.

Because only one 0.5 x 0.5 m unit was excavated in Feature F-5, a similar thinning of the cultural layer towards the edges was not discernable. The unit did reveal, however, a deposit of similar depth towards the center of the feature (see Figure 15). Sediments from Feature F-5 were separated into four strata in the field. Due to the sandy nature of the sediments, and due to the presence of many darker lenses of cultural material within the deposit, strata contacts were not clearly defined, but more mottled in nature.

Test units within both Features F-1 and F-5 revealed lenses of dark, charcoal-stained sediments that were classified as subfeatures. Given the small excavation exposures, it was difficult to accurately describe and interpret these features, but it is possible they represent the remains of hearths or, in one case, structural remains (see below) (see Figures 16, 17, and 18).

Subfeature 1A was encountered in Feature F-1, Unit 1, at a depth of ca. 13 cm (see Figure 16). This subfeature was distinguished from Stratum 2 above and Stratum 3 below by the presence of greater amounts of charcoal and dark staining. Several cobbles were found near Subfeature 1A, but none appeared fire-affected or could be directly associated with the feature. Flotation Sample 3 was taken from within this subfeature.

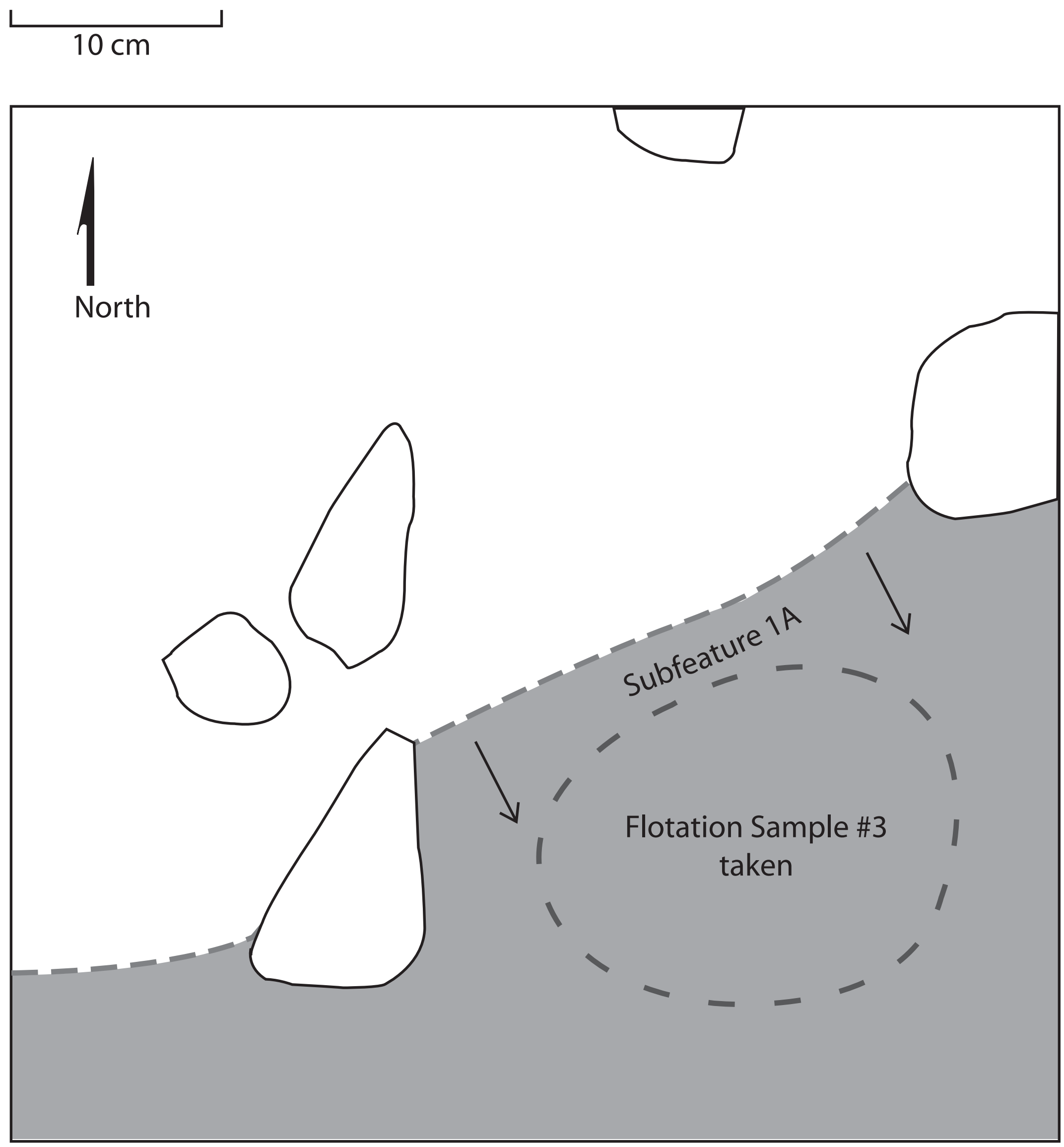


Figure 16: CA-FRE-3105, Feature F-1, Unit 1, Subfeature 1A.

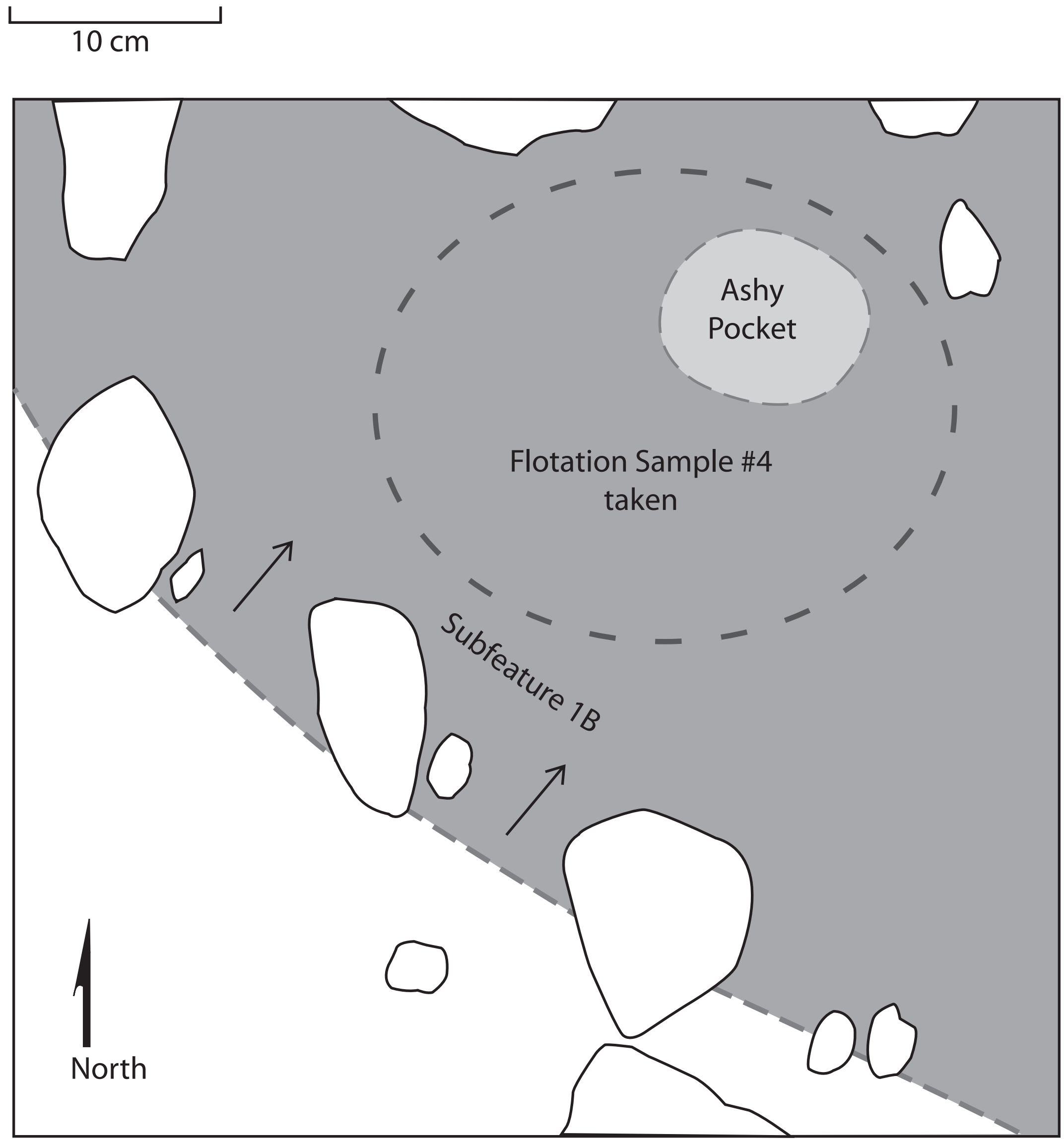


Figure 17: CA-FRE-3105, Feature F-1, Unit 2, Subfeature 1B.

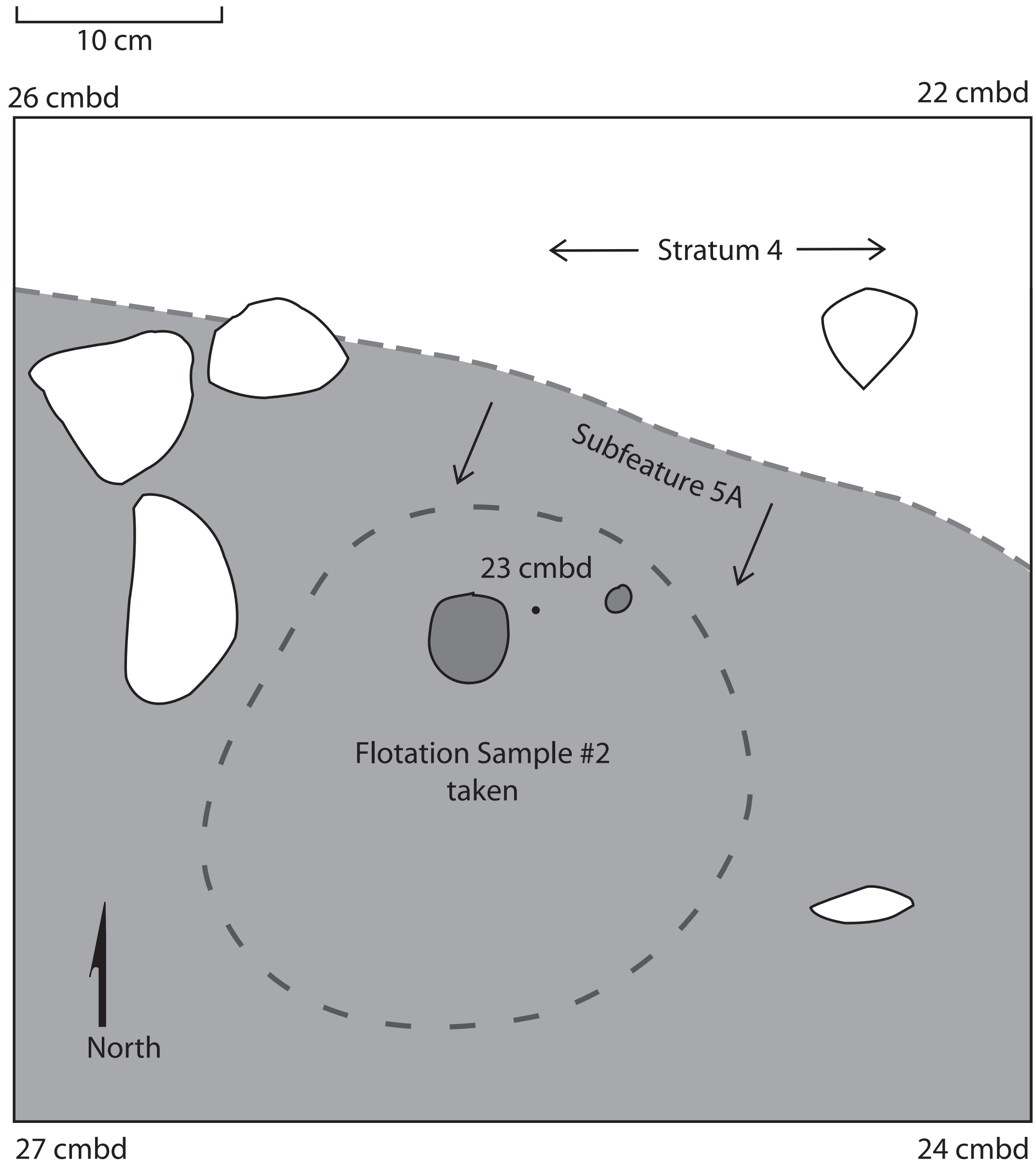


Figure 18: CA-FRE-3105, Feature F-5, Unit 1, Subfeature 5A.

Note: Corner and center elevations denote contact between Stratum 4 and material above (i.e., Subfeature 5A and Stratum 3)

Subfeature 1B was encountered in Feature F-1, Unit 2, at a depth of ca. 3-5 cm. This subfeature was recognized by the presence of ashy pockets and a possible rock alignment bordering one edge (see Figure 17). Otherwise, the Subfeature 1B matrix resembled the general Stratum 2 sediments. The location of the ashy pocket within Subfeature 1B near the edge of the Feature F-1 rock ring suggests it could represent a post hole. Flotation Sample 4 was taken from within Subfeature 1B.

Subfeature 5A was encountered in Feature F-5, Unit 1, at a depth of ca. 20 cm (see Figure 18). This subfeature was distinguished from Stratum 3 above and Stratum 4 below by the presence of darker sediment and greater charcoal content. Below Subfeature 5A, at the contact between the subfeature matrix and Stratum 4, the sediment was lighter orange-colored and appeared to be heat-altered (i.e., "baked"). Flotation Sample 2 was taken from within the Subfeature 5A matrix.

Chronology

All available chronological data suggest that FRE-3105 represents a late prehistoric occupation. A single radiocarbon determination on charcoal from Flotation Sample 4, Subfeature 1B, yielded an uncorrected date of 1190 ± 60 B.P. (Beta-167129). The 68 hydration measurements obtained on Fish Springs obsidian, when converted to years B.P. estimates, cluster very tightly between 900 and 200 B.P. (see Figure 25) It should be kept in mind, however, that hydration rims representing dates later than 200 B.P. at this elevation are difficult if not impossible to measure using optical methods.

Time-sensitive projectile points also support a late-period occupation of this site. Of the 12 projectile points recovered, five are Rose Spring Corner-notched, four Desert

Side-notched, and three are Cottonwood Triangular points. No point types indicative of earlier time periods were encountered. Although Rose Spring Corner-notched points are thought to date from 1350 to 650 B.P., the hydration data suggest specimens recovered from FRE-3105 may date to the later portion of this interval.

Three steatite vessel sherds collected from near Feature F-1 also support the late prehistoric occupation of this site. Steatite vessels have been generally associated with late prehistoric/early historic contexts at sites in the southern Sierra Nevada (Hale and Hull 1997). Moratto (1972) places steatite vessels within his Madera Phase (450-150 B.P.) at Buchanan Reservoir.

Two hexagonal, faceted blue glass trade beads collected from this site also demonstrate the late nature of the occupation. These beads are thought to be characteristic of the period between A.D. 1849 and 1856 in California (Titchenal 1994). Taken together, available chronological information strongly suggests that FRE-3105 was in use sometime between ca. 1000 B.P. and historic times.

Flaked Stone

A wide variety of flaked stone artifacts were observed and/or collected from FRE-3105, including 12 projectile points, one drill, four bifaces, three simple flake tools, and 608 pieces of debitage.

All 12 projectile points from FRE-3105 are late prehistoric forms. As was typical of projectile points from Taboose Pass in general, a fair amount of source diversity is present among the specimens from FRE-3105. Three of the five Rose Spring points, were made of Fish Springs obsidian (hydration measurements 1.3-1.6µ), one of Casa Diablo obsidian (hydration measurement 1.0µ) and one of brown cryptocrystalline material. Of the Desert Side-notched points, two were made of Fish Springs obsidian (hydration measurements 0.8, 1.1µ), one of Mount Hicks glass (hydration measurement 0.9µ), and one of cryptocrystalline material. Two Cottonwood Triangular points were made of Fish Springs obsidian (hydration measurements 1.0, 1.2µ), the remaining point of Bodie Hills obsidian (hydration measurement 1.2µ).

Four bifaces were recovered from FRE-3105. All four artifacts are small, thin late-stage forms, possibly either projectile point preforms, or fragments of arrow-sized projectile points. One drill was collected from FRE-3105 during initial survey work. The specimen appears to have been a Rose Spring Corner-notched point that was reworked into a drill. The bit element of the tool is snapped in half, and both halves were recovered. This artifact appears in Figure 9.

Three simple flake tools were recovered during the thesis fieldwork. One is made of green-gray cryptocrystalline material, the other two from obsidian. These specimens exhibit from two to three used edges characterized by unifacial micro-chipping and some step-fracturing. Edge angles ranged from 35-70° and edge shapes from straight to concave.

Considering the small volume of sediment excavated from the FRE-3105 deposit, a large amount of debitage was recovered. Of 608 pieces of debitage, 579 were obsidian, 27 cryptocrystalline, and two quartz. An additional ten pieces of obsidian debitage were collected during the pilot study. Both visual and geochemical sourcing confirm that most of the obsidian debitage from FRE-3105 comes from the Fish Spring source.

Analysis of a debitage sample from FRE-3105 suggests that the primary activity represented was most likely tool repair, finishing of already refined tools, or production of tools from flake blanks by pressure flaking (see Table 3). Most flakes recovered were very small with 82% fitting into the smallest size category (<1 cm). Out of 122 flakes analyzed, 49% were pressure retouch debitage, with only 4% classified as decortication, 4% as interior percussion, and 3% as biface thinning flakes.

This suggests that most waste flakes were deposited in the course of domestic-related activities such as tool repair, tool finishing, and the manufacture of projectile points and other tools from flake blanks. The rarity of larger flake types represented at this site lends support to the idea that much of the pressure reduction debitage resulted

Table 3: CA-FRE-3105 Debitage Analysis

	Number	**Percent**
Size Class		
Size 1 (>1.0 cm)	100	82.0
Size 2 (1.0-2.0 cm)	21	17.2
Size 3 (2.0-3.0 cm)	1	0.8
Size 4 (3.0-5.0 cm)	0	0.0
Flake Type		
Decortication	5	4.1
Interior Percussion	5	4.1
Biface Thinning	4	3.3
Pressure	60	49.2
Percussion Fragments	5	4.1
Indeterminate	43	35.2
Total	**122**	**100**

from tool production and repair rather than edge preparation of core masses.

It should be noted that the amount of small debitage recovered at FRE-3105, when compared with other Taboose Pass sites, could be in part due to differences in recovery methods. Given that sediment from the rock ring features was passed through 3 mm mesh, it could be expected that more small flakes would be recovered than by surface collection. Nevertheless, this does not explain the relative dearth of larger flakes recovered at this site.

Ground Stone

The ground stone assemblage from FRE-3105 included three handstones, three millingslabs, and three steatite vessel sherds. Of the three handstones observed at FRE-3105, two were found within the Feature F-1 rock ring and one specimen was located on the slope between Features F-1 and F-5. All three specimens represent minimally modified granite cobbles.

The first handstone (3105GS-3) is an end fragment from Feature F-1. This specimen is unshaped with one ground surface evident. The shape of this surface is slightly convex, the surface texture is smooth, and polish is present. Striations are not present, but pecking was noted. The second handstone (3105GS-1) was found atop a millingslab (3105GS-2) within Feature F-1 and is an unshaped angular cobble with one ground face. The shape of the ground surface is slightly convex and the surface texture is smooth with surface polish and striations evident. Evidence of pecking was not observed on this specimen. The last handstone (3105GS-4) was found on the slope between Features F-1 and F-5. This artifact is ground on two surfaces and shows evidence of pecking and striations on one face. The surface texture was smooth on both ground faces and the surface shape was slightly convex. Overall, the handstone collection from FRE-3105 suggests that locally-available granite cobbles were selected and minimally modified before use as grinding implements. Evidence of pecking on two of the handstones suggests fairly regular or intensive use.

Three millingslabs were observed at FRE-3105. All three specimens were either within rock ring features or observed in the walls of rock ring features. One millingslab (3105GS-2) from Feature F-1 is a whole, unshaped granite specimen. Both the surface shape and surface texture on its one ground face were irregular. Although surface polish was present, there was no indication of either striations or pecking. A second millingslab (3105GS-6) was found in Feature F-5 among the rocks forming the southern portion the rock ring. This granite millingslab was also unshaped and had only one ground surface. The ground surface shape and texture were irregular. Surface polish was present, but pecking and striations were not. The third millingslab (3105GS-5) was also found in Feature F-5 among the rocks forming the western portion of the wall. This granite millingslab was whole and unshaped. The single ground surface shape and texture were irregular and surface polish was noted while striations and pecking were not. Complete measurements were not obtainable for this specimen because it would have required dismantling a portion of the rock ring. Overall, millingslabs at FRE-3105 were tabular pieces of locally-available granite with minimal modification except for a single ground face. Also, the size and weight of these specimens argue against their being portable implements. These attributes may point to low intensity, opportunistic use of the millingslabs from this site.

Steatite

Three steatite vessel sherds were collected from FRE-3105. All three appear to represent interior pieces of the same vessel, possibly a shallow bowl. The lack of rim sherds, however, makes it difficult to reconstruct the shape and size of the original vessel. As previously discussed, such vessels were likely used for cooking, indicating a certain amount of domestic activities (Gayton 1948:266; Gifford 1932:25).

Beads

Two hexagonal, faceted, blue glass trade beads were found on the site surface during initial survey and site recordation (see Figure 10). As previously discussed, these beads were classified as type CMG7b1 according to Titchenal's (1994) scheme and are believed to date to the Gold Rush period, or possibly earlier, in California.

Faunal Remains

Four very small fragmentary pieces of bone were recovered from Feature F-5, Unit 1. They are unidentifiable, but appear to represent medium or large animal long bone fragments.

Macrofloral Remains

Flotation analyses revealed traces of carbonized macrofloral remains in the midden soil and subfeature contexts within both Features F-1 and F-5. Flotation Sample 1 was taken from the general Stratum 2 matrix in Feature F-5, Unit 1, while the other three flotation samples were taken from specific subfeature contexts (see Table 4). Results of

Table 4: Flotation Samples From CA-FRE-3105

Flot Sample	Provenience	Context	Depth (cm)	Volume (l)
1	F-5, Unit 1	Strat 2	3-13	4.5
2	F-5, Unit 1	Subfeature 5A	20-27	2.0
3	F-1, Unit 1	Subfeature 1A	10-20	1.5
4	F-1, Unit 2	Subfeature 1B	2-10	3.5

these analyses are presented in Tables 5 and 6. Of the four flotation samples taken, three (Flotation Samples 1, 3, and 4) yielded negligible numbers of seeds and seed fragments. Flotation Sample 2 (from Subfeature 5A), however, yielded a limited, but intriguing, array of plant remains. The most prevalent constituent of the sample was *Pinus* sp. remains, mostly fragments of burned nutshell. Also present in Flotation Sample 2 were seeds of *Carex* sp., *Chenopodium* sp*., Polygonum/Rumex*, as well as representatives of the Chenopodiaceae, Cyperaceae, and Poaceae families that could not be identified to the genus level.

The *Pinus* sp. material is most likely from single-leaf pinyon (*Pinus monophylla*) although the setting of the site in a grove of whitebark pine (*Pinus albicaulis*) suggests the possibility that this species is represented. Arguing against the regular use of whitebark pine for food is the small size of the seed relative to the single-leaf pinyon, the fact that groves are not as extensive as those of the single-leaf pinyon, and the fact that the trees produce few ripe cones (Thompson and Thompson 1972; Storer and Usinger 1963). The nearest stands of single-leaf pinyon are located on the eastern slope of the Sierra Nevada below about 8000 feet, but the larger, more extensive groves said to have been exploited by the Owens Valley Paiute are located further to the east in the White

Table 5: CA-FRE-3105 Raw Seed Counts

Flot#	**Flot 1**	**Flot 2**	**Flot 3**	**Flot 4**
Liter	4.5	2	1.5	3.5
Taxa/Genus				
Carex sp.	2	2	6	2
Chenopodium sp.	-	2	-	-
Pinus sp.	-	77	1	4*
Polygonum/*Rumex*	-	1	-	2*
cf. *Potentilla* sp.	-	-	-	1
Family				
Chenopodiaceae	-	4	-	-
Cyperaceae	-	2	-	-
Poaceae	-	1	1	-
Total Identified	2	89	8	3, 6*
Unknown A	-	1,1*	1*	6*
Unknown B	-	1	1	-
Unknown	-	1	1	-
Unidentified frags.	1	8	-	1
Amorphous	-	67	-	2

*= Unburned

Table 6: CA-FRE-3105 Standardized Seed Frequencies (seeds/liter)

Flot#	**Flot 1**	**Flot 2**	**Flot 3**	**Flot 4**
Liter	4.5	2	1.5	3.5
Taxa/Genus				
Carex sp.	1.8	2.0	8.0	2.3
Chenopodium sp.	-	4.0	-	-
Pinus sp.	-	105.5	2.7	1.1*
Polygonum/*Rumex*	-	2.0	-	0.6*
cf. *Potentilla* sp.	-	-	-	1.1
Family				
Chenopodiaceae	-	4.0	-	-
Cyperaceae	-	4.0	-	-
Poaceae	-	2.0	2.7	-
Total Identified	1.8	123.5	1.3	3.4, 1.7*
Unknown A	-	2.0,2.0*	2.7*	6.9*
Unknown B	-	0.5	2.7	-
Unknown	-	2.0	2.7	-
Unidentified frags.	0.9	16.0	-	0.3
Amorphous	-	36.5	-	0.6

*= Unburned

and Inyo Mountains (Barbour and Major 1988; Storer and Usinger 1963; Steward 1933:map 2).

The *Chenopodium* spp. seed remains, though not numerous, are noteworthy because they are commonly found in flotation samples from the Owens Valley (Pierce 2002). Unfortunately, the range of *Chenopodium* spp. plants is not restricted to low-elevation east-side contexts, meaning that some other local species could be represented in this flotation sample (Hickman 1993). Nevertheless, the presence of several edible seed varieties, as well as the greatest diversity of macrofloral remains, suggests Flotation Sample 3 reflects dietary use of a variety of plant species, some of which may have been transported to the site from lower elevations, perhaps to the east.

Site Summary

Available chronological information strongly suggests FRE-3105 represents a late prehistoric occupation. This site also has the widest variety of artifacts representing a broad range of activities. The two rock ring features tested represent the remains of temporary structures where a variety of domestic tasks took place including seed grinding, tool production and repair, cooking, and possibly other activities. The occupation appears to have been intensive, representing the cumulative effects of sustained and repeated occupations.

The dating of these features ranges from ca. 1350 B.P. to the protohistoric period. While artifacts characteristic of Haiwee, Marana, and protohistoric periods are all present, the bulk of the occupation seems to have occurred after 1350 B.P. but before historic contact.

One spatial pattern that is difficult to explain is the fact that at both rock ring features, Rose Spring projectile points were found exclusively outside (but near) the features, while Desert series points were found exclusively inside the constructions. Perhaps the older occupation dating to the Haiwee period is in the process of eroding from the features, while the more recent occupation is still intact within the features. This explanation is complicated by the fact that the radiocarbon determination from inside Feature F-1 dates to the Haiwee period, suggesting at least some of the Haiwee period occupation remains within the rock ring features. It is possible that the rock ring features were a later Marana period addition to a preexisting Hawiee Period midden.

What is clear is that the dating and range of activities present at FRE-3105 are not the norm for high elevation sites in the Sierra Nevada. Even at Taboose Pass, only a handful of other good examples of similar rock ring features are known. One other locality in the southern Sierra Nevada, FRE-266 near Kearsarge Pass, also has similar features (Mundy 1988; Roper Wickstrom 1992). Conversely, in the White Mountains to the east, several similar sites are known with even more elaborate late prehistoric occupations represented. The differences between the archaeological record of these two areas could be due to either differential survey coverage, or variance in prehistoric land-use.

CA-FRE-3169

This site consists of a locally dense scatter of obsidian debitage with a single rock ring feature (Feature F-1) at the southern edge of the site (see Figure 19). Inside Feature F-1 is a deposit of midden soil and a moderately dense scatter of obsidian debitage and

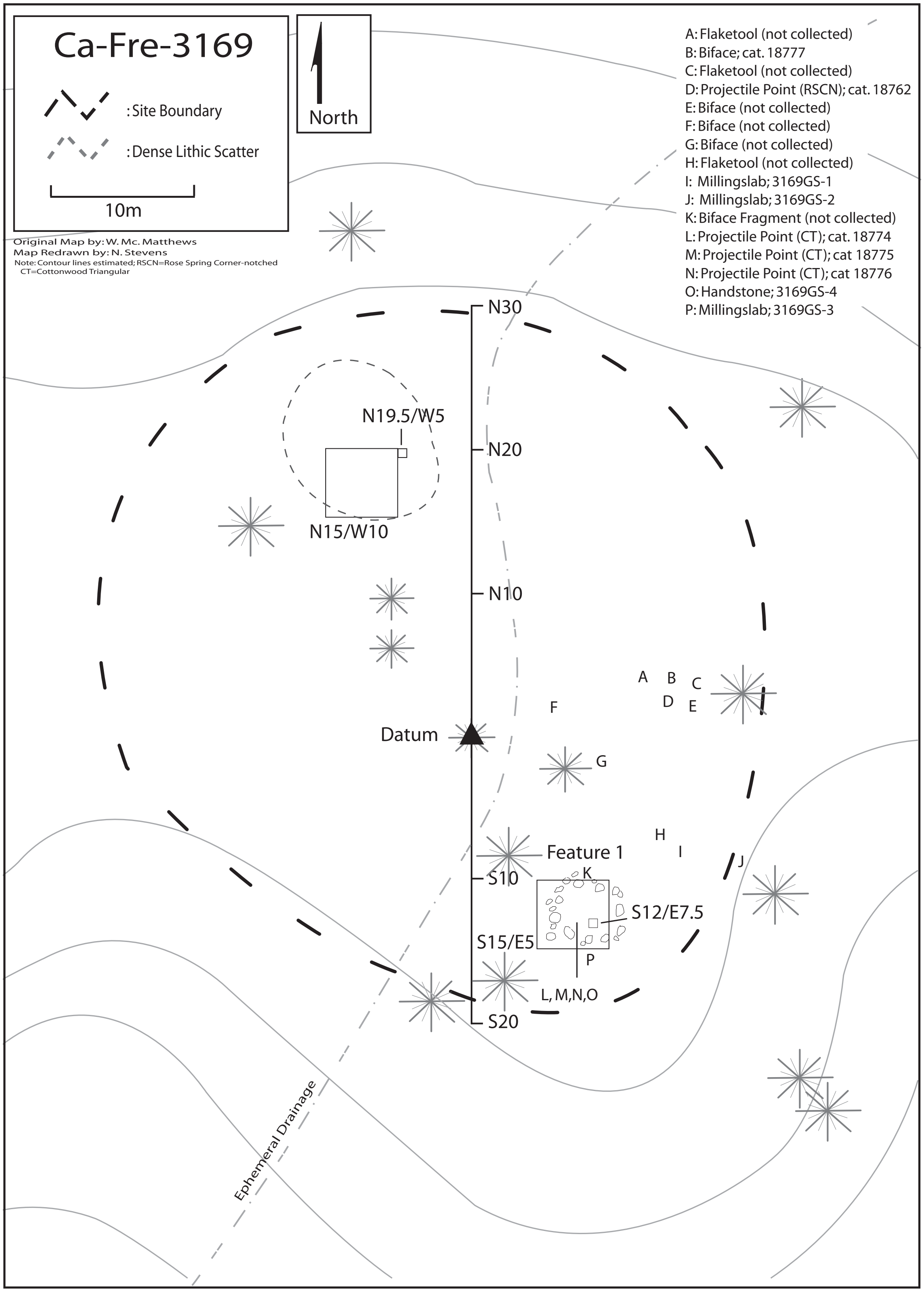


Figure 19: CA-FRE-3169 Site Map.

tools. Additionally, ground stone artifacts were found within, and surrounding Feature F-1. This site shares many attributes of FRE-3105, including a wide variety of artifacts and the presence of a rock ring feature, but the amount and density of obsidian debitage present at FRE-3169 distinguishes it from FRE-3105. The site is located at an elevation of 10,925 ft. on a forested flat near the end of a wide bench below Taboose Pass. Vegetation consists mainly of lodgepole and whitebark pines growing in sandy, decomposed granite soils.

Field Methods

A north-south baseline was set up from the datum with a 50 m tape and compass by placing pinflags every ten meters in a north-south axis. All collection units were mapped according to this baseline. Two controlled surface collection and two debitage collection units were completed at this site. Units were located within and around Feature F-1 and in the adjacent lithic scatter in the northern portion of the site. The purpose of this placement of units was to explore the possibility that the two contexts represented different temporal periods and were the result of different types of activities.

Chronology

Chronological information from this site consists of 48 obsidian hydration readings and four time-sensitive projectile points. Obsidian hydration data suggest that this site experienced two periods of occupation (see Figure 25). The first interval begins at ca. 3600 B.P. and ends at ca. 1800 B.P. This corresponds generally to the Newberry period, when most lithic scatter sites at Taboose Pass appear to have been used.

The second pulse of occupation starts at ca. 800 B.P. and ends at ca. 300 B.P. This interval corresponds to the Late Haiwee and Marana periods, the same interval represented by the rock ring features at FRE-3105. However, obsidian hydration data from FRE-3169 does not cluster as tightly as at FRE-3105. Whereas hydration data from FRE-3105 rock ring features suggests use occurred only after 900 B.P., Feature F-1 at the present site shows more mixed dating. While not all late hydration readings are from Feature F-1, many are. Five "no visible band" hydration readings, also come from within Feature F-1, suggesting either a very recent occupation, or damaged specimens (e.g., by exposure to fire).

Projectile points found associated with Feature F-1 also support the idea of a late prehistoric occupation. Of four projectile points collected from the site, all were associated with Feature F-1. Three were Cottonwood Triangular points and one was a Rose Spring Corner-notched point. Similar to rock ring features at FRE-3105, the Rose Spring point was found outside the feature, while the Cottonwood points were found within the feature. Overall, the chronological information strongly suggests Feature F-1 was a late prehistoric construction built atop an earlier Newberry Period lithic scatter.

Flaked Stone

A diverse assemblage of flaked stone artifacts was collected from FRE-3169, including four projectile points, four bifaces, four simple flake tools, and 71 pieces of obsidian debitage. The majority of these tools were associated with Feature F-1. This suggests a wider variety of tasks were performed within and around the rock ring feature than in the lithic scatter portion of the site.

Of the four projectile points were found at this site, three found within Feature F-1 were classified as Cottonwood Triangular variants while the fourth, found ca. 15 m to the north of Feature F-1, was a Rose Spring point. Two of three Cottonwood Triangular points were made of Fish Springs obsidian (both with hydration measurements of 1.3μ), and the third was from the Saline Valley I source (hydration measurement 1.2μ). The Rose Spring point was made of Fish Springs obsidian and exhibited a hydration measurement of 1.7μ.

Four bifaces were collected from FRE-3169, three during thesis fieldwork and one previously during initial survey and recordation. One biface (18777) appears to be a fragment of an arrow-size projectile point, while the other three bifaces are less-finished forms that were probably discarded early in the production process.

All four of the simple flake tools collected from this site were recovered from Feature F-1; other flake tools were observed near Feature F-1, but were not collected. Each flake tool analyzed exhibited a single working edge with unifacial micro-chipping, and in one case, step-fracturing. Edge angles ranged from 50-60° and edge shapes were straight, concave, and convex.

A total of 71 pieces of obsidian debitage was collected from FRE-3169. Of these, 51 pieces were collected during thesis fieldwork, 20 pieces during the pilot study. Debitage data from FRE-3169 is discussed separately for materials collected from the lithic scatter portion of the site versus flakes collected from Feature F-1 (see Tables 7 and 8).

Debitage from Unit N19.5/W5 in the lithic scatter portion of the site is dominated by size class 2 (1-2cm) flakes (53%). Out of 17 flakes analyzed, 59% were classified as decortication debitage, 12% were pressure retouch debitage, while 6% were classified as biface thinning debris. No interior percussion debitage was observed in the sample.

Debitage from Unit S12/E7.5 within Feature F-1 showed a different pattern. At this unit, size class 1 (<1 cm) was dominant, represented by 74% of the 31 specimens analyzed. The most common debitage type represented is pressure debitage with 48% of the flakes falling into this category. Only 3% were classified as decortication debitage, and 3% were classified as interior percussion debitage. No biface thinning debitage was observed in the sample.

Despite the small sample analyzed, debitage from FRE-3169 shows more clearly than any other artifact class the differences between Feature F-1 and the northern, lithic scatter portion of the site. Whereas the northern portion of the site is characterized by a majority of larger size class 2 (1-2 cm) flakes, debitage from Feature F-1 is dominated by smaller size class 1 (<1 cm) flakes. Further, while the majority of the debitage from the northern portion of the site is dominated by decortication debitage, most of the debitage from Feature F-1 was classified as pressure retouch debitage.

This suggests that activities within Feature F-1 included production of finished tools as well as tool repair and resharpening while activities in the northern portion of the site were centered around the earlier stages of stoneworking activity such as secondary reduction of minimally modified core forms.

Ground Stone

Three millingslabs, one handstone, and two pumice abraders were observed at FRE-3169. The single handstone (3169GS-4) was an unshaped, angular granite cobble

Table 7:CA-FRE-3169 Debitage Analysis
N19.5/W5 (Lithic scatter portion of site)

	Number	Percent
Size Class		
Size 1 (>1.0 cm)	4	23.5
Size 2 (1.0-2.0 cm)	9	52.9
Size 3 (2.0-3.0 cm)	3	17.6
Size 4 (3.0-5.0 cm)	1	5.9
Flake Type		
Decortication	10	58.8
Interior Percussion	0	0.0
Biface Thinning	1	5.9
Pressure	2	11.8
Percussion Fragments	4	23.5
Indeterminate	0	0.0
Total	**17**	**100**

Table 8: CA-FRE-3169 Debitage Analysis
S12/E7.5 (Feature F-1)

	Number	Percent
Size Class		
Size 1 (>1.0 cm)	23	74.2
Size 2 (1.0-2.0 cm)	7	22.6
Size 3 (2.0-3.0 cm)	1	3.2
Size 4 (3.0-5.0 cm)	0	0.0
Flake Type		
Decortication	1	3.2
Interior Percussion	1	3.2
Biface Thinning	0	0.0
Pressure	15	48.4
Percussion Fragments	9	29.0
Indeterminate	5	16.1
Total	**31**	**100**

with a single ground face. The surface shape was slightly convex while the surface texture was irregular. Surface polish was observed on the ground face, but striations and pecking were lacking.

Millingslabs at FRE-3169 were large slabs of locally available rock with only one utilized side. One (3169GS-3) was a large, minimally modified tabular piece of granite. It was ground on one face, exhibiting an irregular surface shape and an irregular surface texture. Surface polish was observed, but striations and pecking were absent. A second millingslab (3169GS-1) was a large block of dark granite with a single ground surface on a sheared natural fracture plane. The surface shape was flat and the surface texture was smooth. Striations and pecking were absent from the ground surface. The last millingslab (3169GS-2) was a relatively thin slab of dark metavolcanic rock with a single ground surface. The surface shape and surface texture were irregular and surface polish was present. Striations were absent, but pecking was present. This artifact was considerably lighter weight than the granite millingslabs at Taboose Pass.

Two pieces of non-local pumice were found within Feature F-1. The pumice resembles perlite material available at the Fish Springs obsidian source. It is unknown what function this material may have served, but a “pumice abrader” was also reported at another high elevation site with rock ring structures at Bullfrog Lake, also in Kings Canyon National Park (Roper Wickstrom 1992). Pumice abraders are also common at occupation sites in the Owens Valley (e.g., Bettinger 1989; Bettinger et al. 1984).

Site Summary

This site most likely represents a multi-component location incorporating elements of two occupation patterns observed at Taboose Pass. The majority of the site consists of a lithic scatter that probably reflects the activities of people engaged in the initial and secondary stages of lithic reduction of Fish Springs obsidian cobbles. This portion of the site likely dates to the Newberry period (ca. 3500-1350B.P.). This portion of this site is similar to other lithic scatter sites at Taboose Pass and in high elevation areas of the Sierra Nevada in general. What makes this site different, however, is the addition of Feature F-1, a rock ring feature that probably represents the remains of a domestic structure inhabited in late prehistoric times. Activities represented at Feature F-1 include seed grinding, tool production and repair, and other tasks associated with the exploitation of local subsistence resources.

CA-FRE-3163

This site consists of a dense to moderately dense scatter of obsidian debitage and tools surrounding a large glacial erratic granite boulder (see Figure 20). The site is located at an elevation of 10,990 ft. in a dry flat area characterized by decomposing granite sand and boulders. A charcoal-stained midden soil was observed adjacent to the boulder on two sides. This suggests the boulder provided shelter to the occupants of the site.

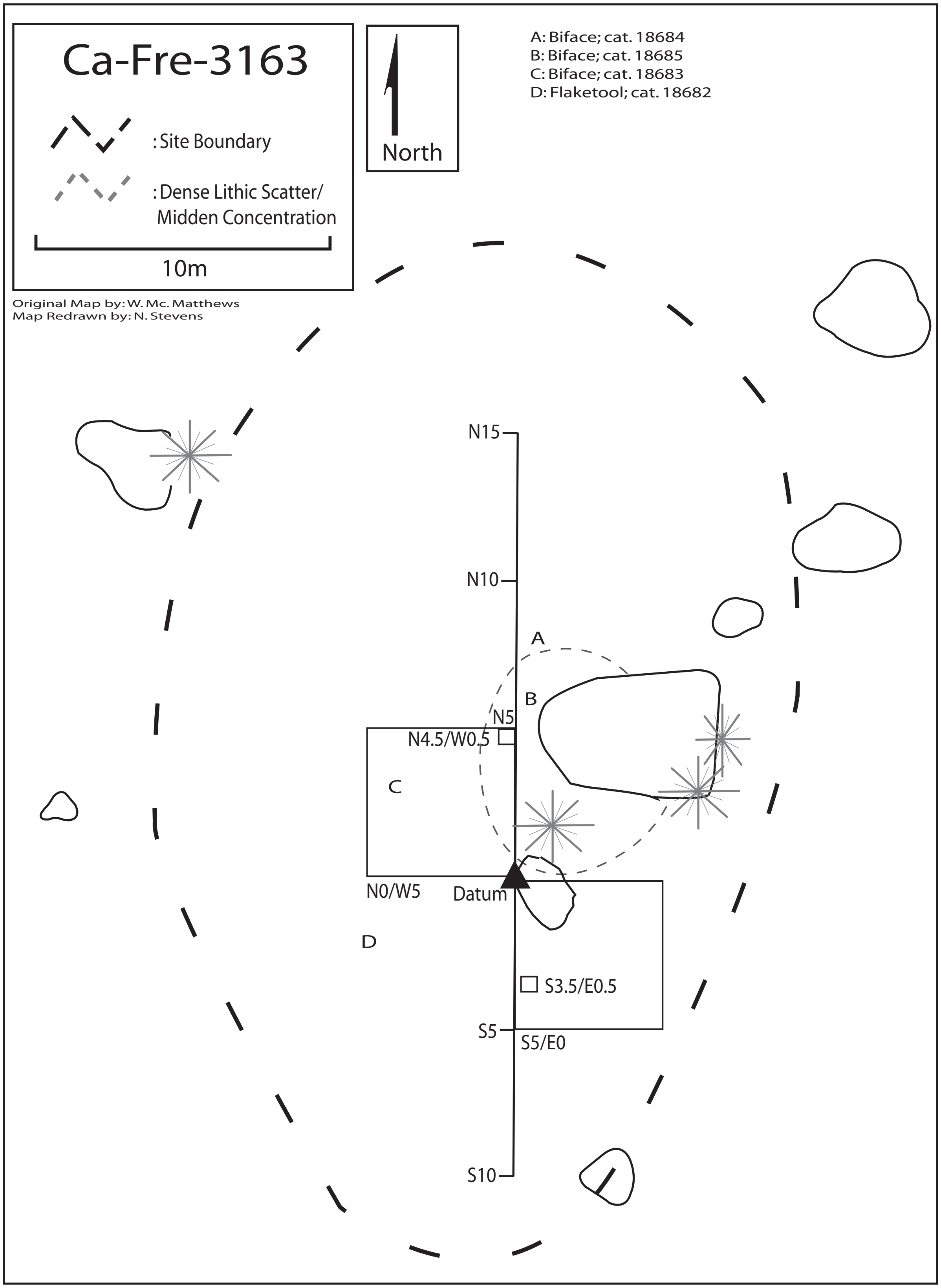


Figure 20: CA-FRE-3163 Site Map.

Field Methods

A north-south baseline was set up from the site datum using a 50 m tape and compass. Pinflags were placed every 10 m and collection units were mapped using the resulting grid. Two controlled surface collection units and two debitage collection units were completed at this site. Previous obsidian hydration data suggested this site represented a temporally narrow occupation. Therefore, units were placed close to one another near the center of the site where debitage density was highest and where midden soil was observed.

Chronology

A total of 38 hydration readings was made on Fish Springs obsidian. Hydration data from FRE-3163 suggest that it was in use after 2700 B.P., with most evidence for use occurring after 1000 B.P. (see Figure 25). This distribution of dates is interesting considering dates obtained from sites with rock ring features versus sites with dense lithic scatters. Whereas the three rock ring features sampled for this thesis all appear to post-date 1350 B.P., the open lithic scatter sites seem to date mainly between 3500 B.P. and 2000 B.P., with initial occupation starting before 3500 B.P. In this light, FRE-3163 is something of an anomaly among sampled sites with dense lithic scatters because, aside from two dates greater than 5000 B.P., evidence for use of the site begins only after 2700 B.P.

Flaked Stone

Flaked stone artifacts collected from FRE-3163 included eight bifaces, five simple flake tools, and 54 pieces of obsidian debitage. Of eight bifaces collected from FRE-3163, five were collected during thesis fieldwork and three during initial site recordation. Six specimens appear to be fragments of finished bifacial tools, possibly projectile points. A seventh biface appears to be part of a fairly large finished bifacial tool, possibly a dart-size point, while the last artifact is a biface margin made of good quality quartz crystal.

Five simple flake tools were collected from FRE-3163. All five implements were made of obsidian. Four of the five artifacts exhibit a single utilized edge, while the remaining artifact has two utilized edges. Edge shapes ranged from straight to concave and edge modification included bifacial micro-chipping, unifacial micro-chipping, and step-fracturing. Edge angles ranged from 30-70°.

A total of 54 pieces of obsidian debitage was collected from FRE-3163. Of these, 36 pieces were collected during thesis fieldwork and 18 pieces during the pilot study. Analysis of debitage from FRE-3163 revealed that most flakes (57%) fell in to size class 2 (1-2 cm), while the most common (46%) debitage type was decortication (see Table 9). The total number of flakes analyzed, however, was small (n=35). Nevertheless, the number of flakes attributable to decortication from this small sample suggests that reducing larger pieces of obsidian into useable core or biface forms was a prominent activity at this site. The next most common debitage type was interior percussion*,* making up 14.4% of the sample. Biface thinning (11%), and pressure debitage (9%) were the

Table 9: CA-FRE-3163 Debitage Analysis

	Number	Percent
Size Class		
Size 1 (>1.0 cm)	7	20.0
Size 2 (1.0-2.0 cm)	20	57.1
Size 3 (2.0-3.0 cm)	6	17.1
Size 4 (3.0-5.0 cm)	2	5.7
Flake Type		
Decortication	16	45.7
Interior Percussion	5	14.3
Biface Thinning	4	11.4
Pressure	3	8.6
Percussion Fragments	6	17.1
Indeterminate	1	2.9
Total	**35**	**100**

least common debitage types in the sample. Overall, the small sample of debitage from FRE-3163 suggests a wide range of lithic reduction activities were taking place at this site, including initial and secondary reduction of core masses, and tool production and repair.

Site Summary

Site FRE-3163 presents a problematic mix of attributes that makes it difficult to come to defensible conclusions about chronology and function. Like many other sites in the area, the site consists of a lithic scatter, but unlike other sites, it occurs in a relatively sheltered location surrounding a large boulder. The site shows evidence of occupation before 1350 B.P., but the majority of obsidian hydration readings suggest a greater intensity of occupation after 1000 B.P. Also, more tools and a more diverse mix of debitage types are present than at other lithic scatter sites in the area. The presence of midden soil also distinguishes FRE-3163 from other lithic scatter sites at Taboose Pass. Taken together, the bulk of evidence from this site seems to suggest it was used during both earlier and later prehistoric intervals, but that the more intensive occupation indicated by the presence of midden soil is likely related to later prehistoric use.

<u>CA-FRE-3102</u>

Likely the site described by Elsasser (1958:31) as a "quarry-workshop site", this site is one of the largest and highest-density lithic scatter sites in the Taboose Pass area. The site occupies a slightly elevated sandy knoll at the edge of the meadow below Taboose Pass at an elevation of 10,941 ft. Currently, the Taboose Pass hiking trail cuts through the densest part of the site (see Figure 21). Only small grasses and forbs characteristic of Sierran meadows are found at this site, although much of the surface of the site comprises largely unvegetated decomposing granite sand and gravel.

Field Methods

A baseline was established from the site datum in a north-south direction using a 50 m tape and compass. Pinflags were placed every ten meters along this north-south baseline within the boundaries of the site. A grid of debitage collection units (0.5 x 0.5 m) was set up over the entire area of the site at ten meter intervals, and at five meter intervals in the highest-density concentrations of debitage. Debitage was collected from

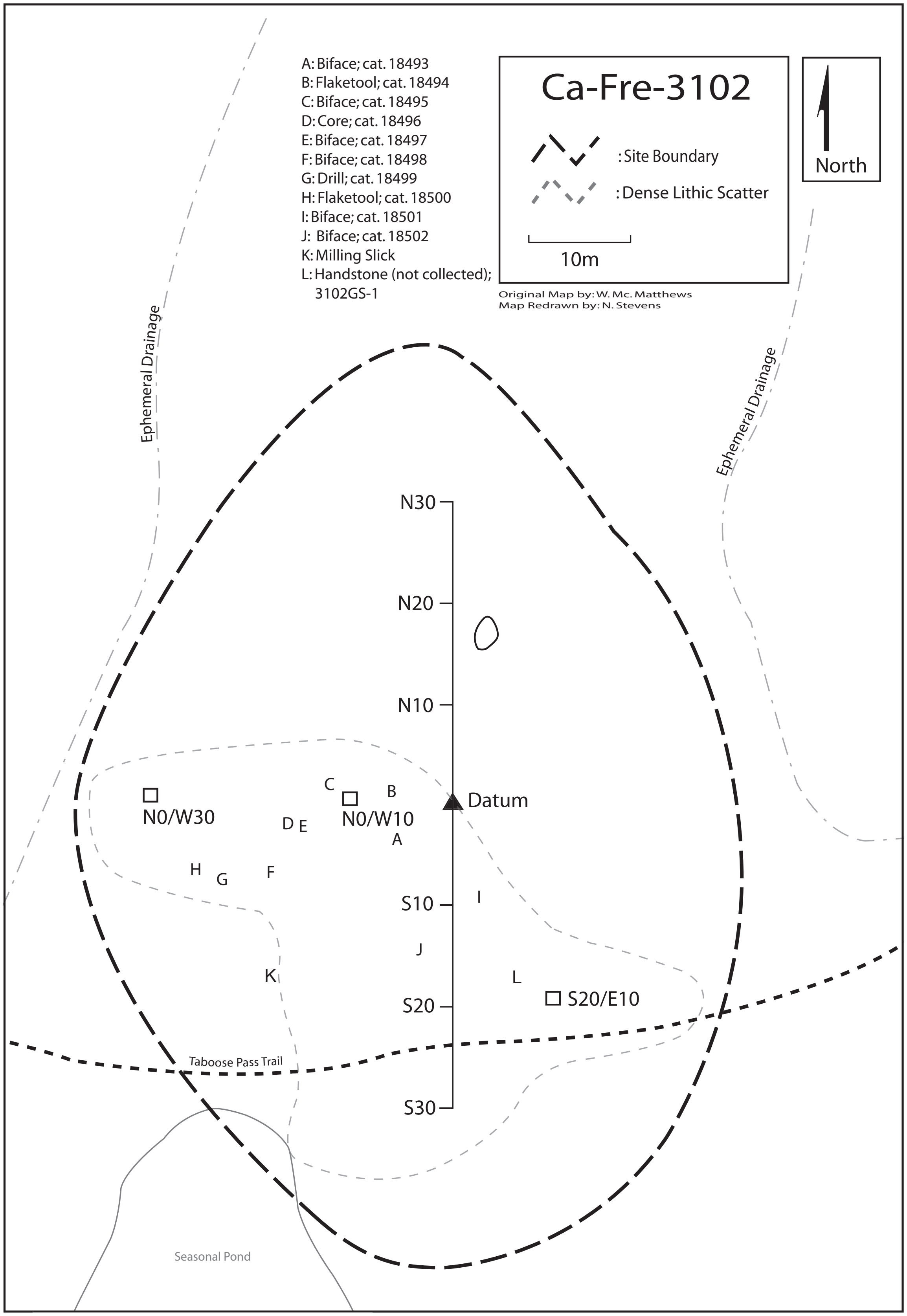


Figure 21: CA-FRE-3102 Site Map.

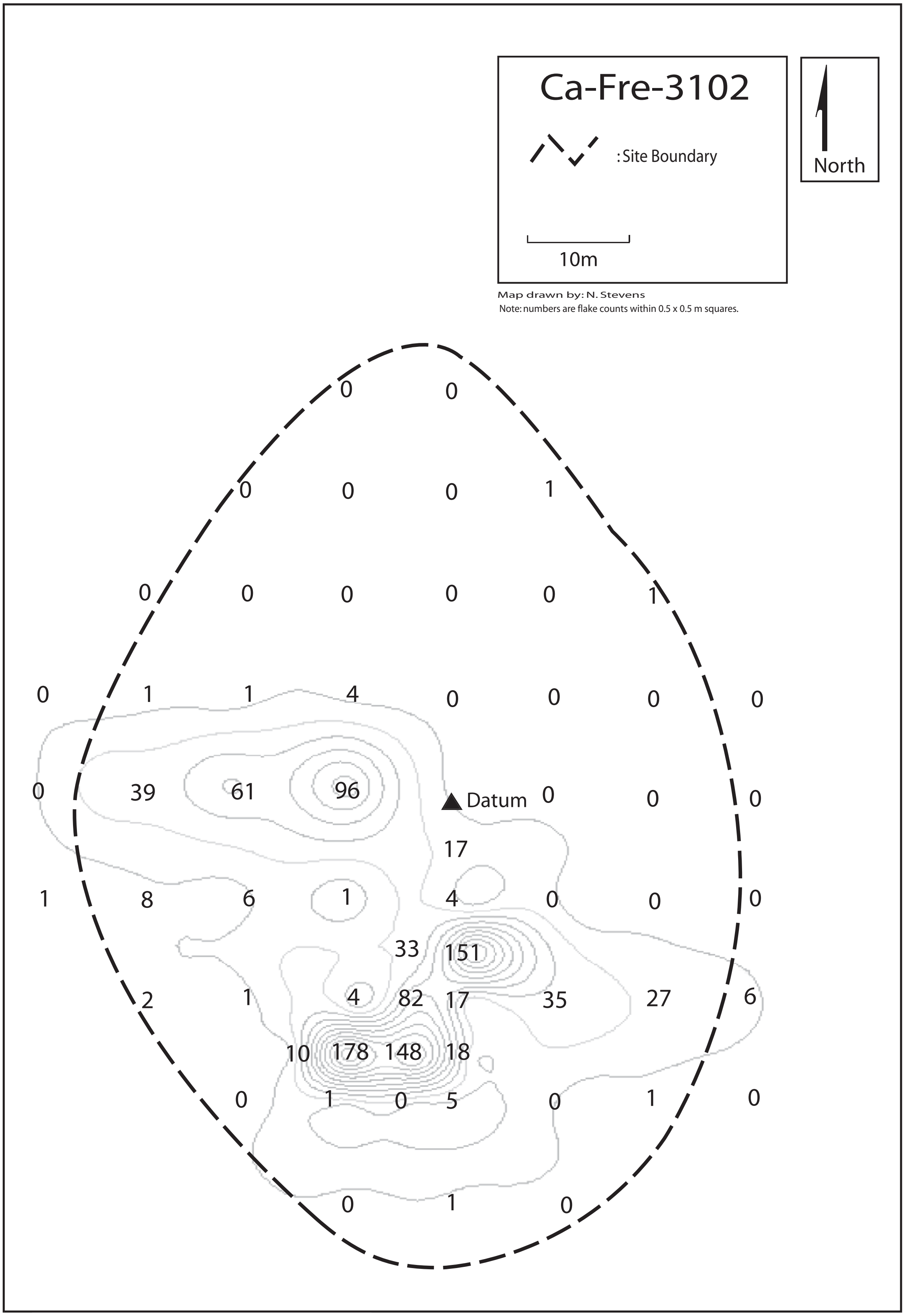


Figure 22: CA-FRE-3102 Debitage Density Map.

three of these units and counted in the remaining 58 units to produce a debitage density map (see Figure 22). A sample of the collected debitage underwent hydration analysis. Flaked stone tools were pinflagged, mapped, and collected. Ground stone artifacts and features were recorded in the field and left in place.

Chronology

Chronological data for this site derives from 54 hydration readings on Fish Springs obsidian. These data suggest FRE-3102 was initially used prior to 6000 years B.P., but the greatest surge in debitage deposition occurred between ca. 3000 B.P. and 2200 B.P. (see Figure 26). This puts the interval of most intensive use of this site within the Newberry period, with less intensive, but steady, use during prior intervals.

Flaked Stone

Flaked stone artifacts collected from FRE-3102 included one drill, six bifaces, one core, two simple flake tools, and 170 pieces of obsidian debitage. One bifacial artifact from FRE-3102 was classified as a drill (cat. #18499). This specimen is a small, teardrop-shaped artifact with a protruding beak on the distal end. Possessing a rounded proximal end, this artifact was likely used as an unhafted, handheld tool.

Six bifaces were collected from FRE-3102. Most of these bifaces (n=4) were only minimally finished Stage 1 forms, probably more exhausted cores than attempts at finished bifacial tools. The remaining two bifaces were Stage 2 forms. The thickness and overall irregular condition of these bifaces suggests that they were intentionally discarded during the manufacturing process. One flake core was recovered from FRE-3102. The specimen is a small, exhausted chunk of Fish Springs obsidian (visually identified) exhibiting two platforms from which flakes were detached. Rather than representing a prepared core, this artifact appears to have been a piece of obsidian that was casually assayed, and then discarded.

Two simple flake tools were collected. One specimen had a single utilized edge, the other specimen two utilized edges. Edge shapes varied from straight to convex while edge angles ranged from 65-85°. Edge wear included unifacial micro-chipping and step-fracturing.

A total of 170 pieces of obsidian debitage was collected from FRE-3102, all during thesis fieldwork. Debitage analysis shows that FRE-3102 is dominated by size class 1 (<1 cm) (48%) and 2 (1-2 cm) (44%) flakes (see Table 10). The most common debitage type is decortication with 35% of the specimens analyzed being placed in this category. This suggests that the stoneworking at this site concentrated around initial and secondary reduction of core masses. The high percentages of both size class 1 flakes and percussion fragments may be related to trampling damage sustained due to the proximity of FRE-3102 to the trail.

Ground Stone

A single granite handstone and a granite boulder milling slick were observed at FRE-3102, both analyzed in the field and left in place. The handstone (3102GS-1) was made of brittle, decomposing granite that hindered some aspects of the analysis. The decomposed nature of the rock made it impossible to determine whether the artifact was shaped, whether more than one surface was ground, and whether pecking was present.

Table 10: CA-FRE-3102 Debitage Analysis

	Number	Percent
Size Class		
Size 1 (>1.0 cm)	82	48.2
Size 2 (1.0-2.0 cm)	75	44.1
Size 3 (2.0-3.0 cm)	13	7.6
Size 4 (3.0-5.0 cm)	0	0.0
Flake Type		
Decortication	34	35.4
Interior Percussion	10	10.4
Biface Thinning	3	3.1
Pressure	8	8.3
Percussion Fragments	30	31.3
Indeterminate	11	11.5
Total	**96**	**100**

Note: Debitage analysis from N0/W10 only; Size sorting from all units

The ground surface was slightly convex in shape and exhibited a smooth, polished surface with no striations evident.

The boulder milling slick was situated on a low, flat granite boulder. The top face of the boulder was irregular and pockmarked due to natural decomposition, but ground facets were evident in the central portion. The ground surface measured approximately 30 x 35 cm. No evidence of pecking was present on the surface of this feature.

Site Summary

This site is in many ways typical of lithic scatter sites found in the Taboose Pass area, but is also exceptional on account of its large size and because of the debitage density. The presence of a single granite handstone as well as a boulder milling slick suggests a different range of activities may have taken place at this location when compared to other lithic scatters at this elevation. Overall, the activity most represented at this site, however, is stoneworking, most likely early-stage reduction of minimally modified core or cobble forms. That this range of stoneworking activities was taking place at Taboose Pass rather than in the immediate vicinity of the Fish Springs obsidian source is intriguing and will be further discussed later in this document.

CA-FRE-3160

This site is a moderate to high density scatter of obsidian debitage and tools located at an elevation of 10,892 ft. in a small bowl formed by a series of low hills surrounding a spring-fed creek (see Figure 23). The site area is characterized by decomposing granite sand and sparse grasses and other alpine plants. More moisture is available along the creek, and a carpet of characteristic Sierran meadow plants is present. A small grove of lodgepole pine occurs northeast of the site.

Field Methods

From the site datum, an east-west baseline was set up using a 50 m tape and compass by placing pinflags every ten meters. All flaked stone tools were pinflagged, mapped, and collected. Three debitage collection units (0.5 x 0.5 m) were used at this site to obtain debitage samples for obsidian hydration and lithic analysis.

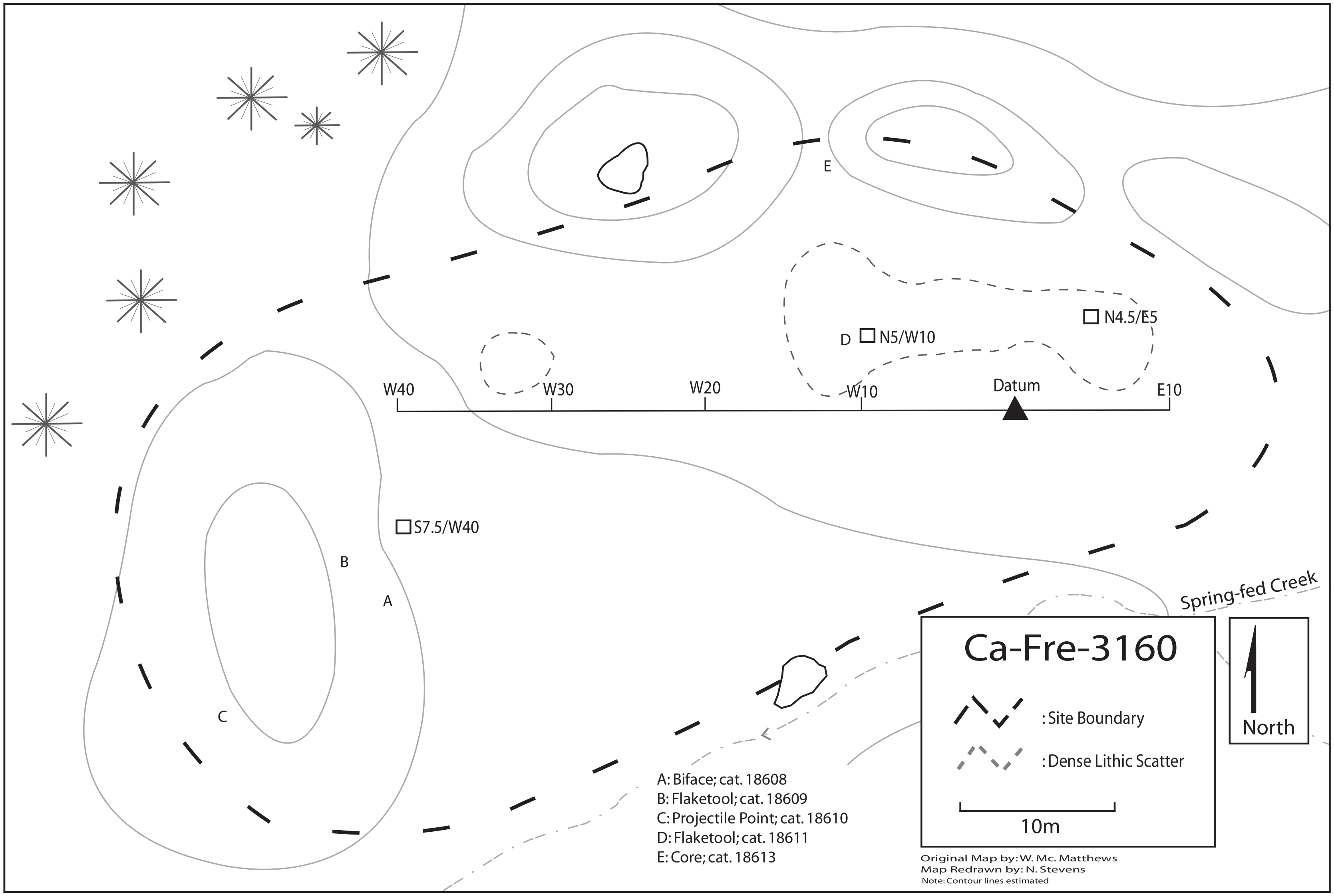


Figure 23: CA-FRE-3160 Site Map.

Chronology

Obsidian hydration data from FRE-3160 consisted of 53 readings on Fish Springs obsidian. The largest number of hydration readings translates to a range of estimated dates between ca. 2900 and 2100 B.P. This suggests the site was largely occupied during the Newberry period, although a minor peak in hydration-derived dates is evident between ca. 4200 B.P. and 3500 B.P. This suggests limited use in the pre-Newberry period (see Figure 26). Other lithic scatter sites at Taboose Pass (e.g., FRE-3102, FRE-3165) also produced hydration-derived dates earlier than 3500 B.P., but the clustering and number at FRE-3160 suggests a stronger earlier presence than at other locations.

Although the hydration reading from the single projectile point (3.0μ) collected suggests contemporaneity with the rest of the lithic scatter, the presence of a Humboldt Concave-base point is not inconsistent with a pre-Newberry or Early Newberry period occupation.

Flaked Stone

Flaked stone artifacts collected from FRE-3160 included one projectile point, one biface, one core, one formed flake tool, and one simple flake tool. A single Humboldt Concave-base projectile point (see Figure 9) consists of a proximal fragment that has split dorsally along a natural inclusion in the obsidian source material. The specimen was visually attributed to the Fish Springs obsidian source and produced a hydration measurement of 3.0μ.

The single biface collected from FRE-3160 is a well-made end fragment of a Stage 5 biface, possibly a stem from a dart-sized point. One core was collected from the site. This artifact was a small chunk of Fish Springs obsidian (visually sourced) with two platforms. Like the core collected from FRE-3102, this artifact is not a prepared core, but a chunk of obsidian from which a small number of flakes were casually struck.

The single formed flake tool exhibited one utilized edge that had been flaked to increase the edge angle. Edge wear was limited to bifacial micro-chipping and the edge angle was 50°. The simple flake tool does not fit comfortably within the flake tool category, comprising a large flake of metavolcanic rock that seems to have been used in a scraping or chopping motion, producing numerous step-fractures along one dulled edge.

A total of 64 pieces of obsidian debitage was collected from FRE-3160. Of these, 44 pieces were collected during thesis fieldwork and 20 pieces for the pilot study. Visual sourcing resulted in 49 flakes being assigned to the Fish Springs obsidian source while three additional flakes were geochemically sourced to Fish Springs obsidian source. Analysis of debitage from FRE-3160 shows that like other lithic scatter sites at Taboose Pass, size category 2 (1-2 cm) dominates the collection (56%) while the most common debitage type is decortication, comprising 54% of the sample (see Table 11). Percussion fragments are also common, making up 23% of the sample. Similar to FRE-3102, debitage analysis suggests stoneworking at this site was concentrated around the initial and secondary reduction of minimally refined obsidian core masses.

Site Summary

Site FRE-3160 likely represents a location where pieces of Fish Springs obsidian were reduced into useable core or biface forms. The presence of other flaked stone tools suggests some production of finished tools and other tasks probably occurred here as

Table 11: CA-FRE-3160 Debitage Analysis

	Number	Percent
Size Class		
Size 1 (>1.0 cm)	7	16.3
Size 2 (1.0-2.0 cm)	24	55.8
Size 3 (2.0-3.0 cm)	11	25.6
Size 4 (3.0-5.0 cm)	1	2.3
Flake Type		
Decortication	23	53.5
Interior Percussion	5	11.6
Biface Thinning	2	4.7
Pressure	1	2.3
Percussion Fragments	10	23.3
Indeterminate	2	4.7
Total	**43**	**100**

well. The setting of the site within a fairly well-protected bowl with ample water supply might have made this an attractive camp spot for groups transporting obsidian and perhaps other commodities to west-side locations. The lack of midden soil and features, however, argues against long-term habitation. This site is also interesting because of the small number of earlier obsidian hydration readings suggesting a possible pre-Newberry period component. Little else can be inferred from the limited pre-Newberry assemblage.

CA-FRE-3165

This site consists of a moderate to high density scatter of obsidian tools and debitage located at an elevation of 11,023 ft. on a small flat at the edge of a large bench below Taboose Pass (see Figure 24). The site area is characterized by a dense growth of

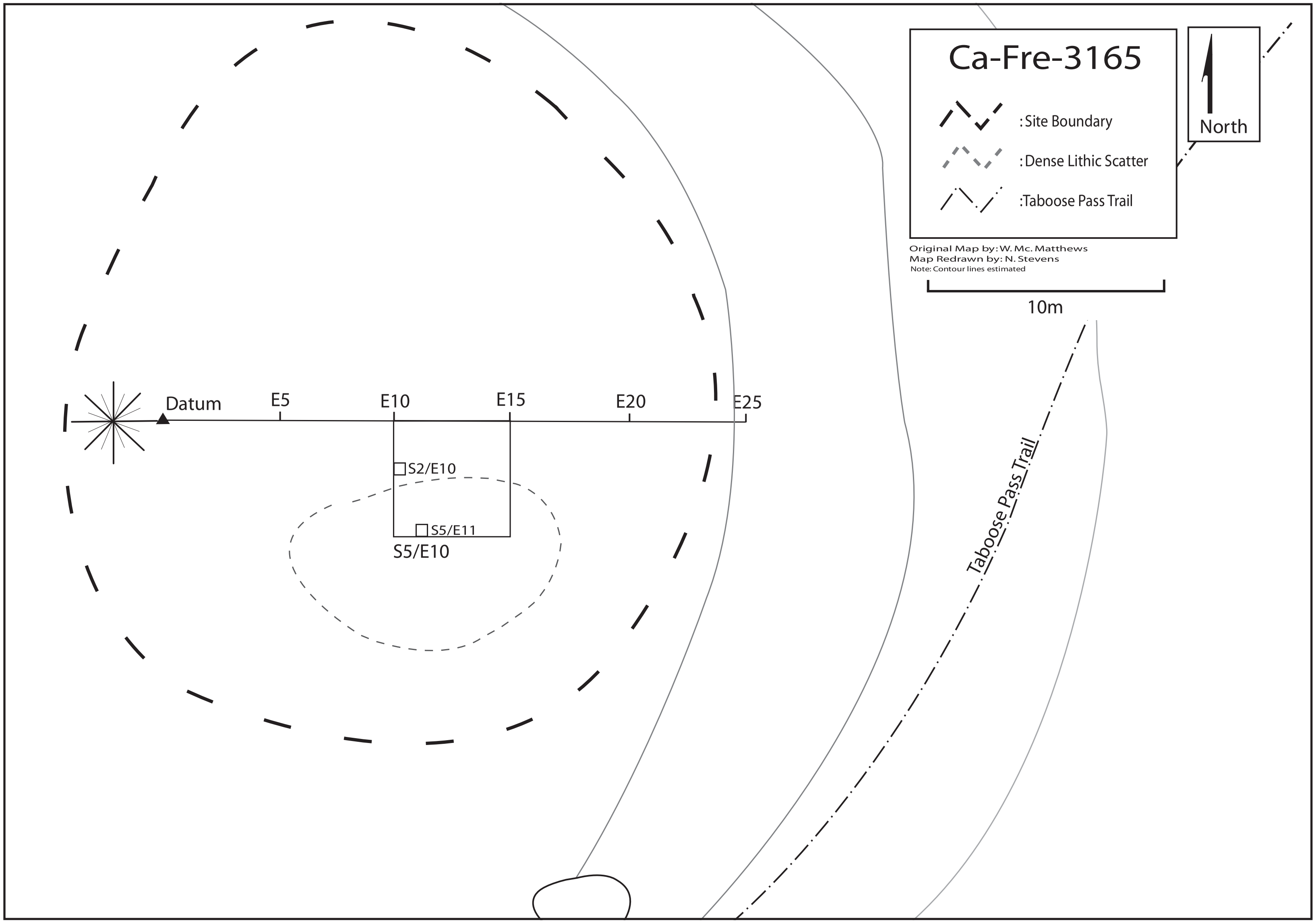


Figure 24: CA-FRE-3165 site map

grasses and forbs characteristic of dry sandy settings at this elevation. Only one tree is present within the boundary of the site, a lone lodgepole pine. This site contained the most limited assemblage of any of the sites sampled for this thesis, consisting almost entirely of obsidian debitage.

Field Methods

An east-west baseline was established from the site datum using a 50 m tape and compass. One controlled surface collection unit and two debitage collection units were set up in order to obtain a sample of debitage and tools for obsidian hydration analysis and flaked stone analysis.

Chronology

Chronological data from FRE-3165 consists of 46 obsidian hydration readings on Fish Springs obsidian (see Figure 26). This site shows a similar dating range as most other lithic scatter sites at Taboose Pass. Most hydration readings fit squarely within the Newberry period. The largest share of hydration readings, when converted to estimated years B.P. values, clusters between ca. 2900 and 2300 B.P.

Flaked Stone

FRE-3165 had the most limited artifact diversity of project sites. Flaked stone artifacts collected included two simple flake tools and 66 pieces of obsidian debitage. Of the two simple flake tools collected from FRE-3165, each artifact exhibited only one utilized edge. Edge wear included unifacial micro-chipping and step-fracturing. One edge shape was straight, the other concave, and edge angles ranged from 55-65°.

Sixty-six pieces of debitage collected from FRE-3165 were obsidian. Of these, 46 pieces were collected during thesis fieldwork and 20 pieces for the pilot study. Of the obsidian debitage collected during thesis fieldwork, 30 were visually assigned to the Fish Springs obsidian source and one was geochemically sourced to Fish Springs.

Table 12: CA-FRE-3165 Debitage Analysis

	Number	**Percent**
Size Class		
Size 1 (>1.0 cm)	14	30.4
Size 2 (1.0-2.0 cm)	23	50.0
Size 3 (2.0-3.0 cm)	5	10.9
Size 4 (3.0-5.0 cm)	4	8.7
Flake Type		
Decortication	32	69.6
Interior Percussion	1	2.2
Biface Thinning	1	2.2
Pressure	1	2.2
Percussion Fragments	8	17.4
Indeterminate	3	6.5
Total	**46**	**100**

Debitage analysis shows a similar pattern to other lithic scatter sites at Taboose Pass, with size class 2 (1-2 cm) comprising the majority (50%) of the sample (see Table 12). Decortication debitage is the most common type at 70%. Other than percussion fragments (17%), Other debitage types are scarcely represented at this site. This suggests that the dominant activity at FRE-3165 was the initial or secondary reduction of pieces of Fish Springs obsidian into more-refined core forms.

Site Summary

This site occurs in a similar setting to other lithic scatter sites at Taboose Pass and seems to have been in use during roughly the same period of time. It seems to mainly represent a place were pieces of Fish Springs obsidian were reduced into more-refined core forms. Like other lithic scatter sites at Taboose Pass, this site may have been a stopping off point for groups on the way to west-side locations.

Discussion

Flaked Stone

While flaked stone tools were collected from each of the six sites investigated for this study, they were most numerous at FRE-3105, FRE-3169, FRE-3163, and FRE-3102 (see Table 13). At FRE-3102, many of these artifacts are early stage biface fragments. Conversely, assemblages from FRE-3105, FRE-3169, and FRE-3163 include a greater number of projectile points, late-stage bifaces, and flake tools, suggesting the number and diversity of artifacts present reflects a greater variety of activities occurring at these sites.

Table 13: Taboose Pass Site Constituents

Site	RR	MID	MS	HS	PP	BIF	FT	COR	DR
CA-FRE-3105	Yes	Yes	3	3	12	4	3	-	1
CA-FRE-3169	Yes	Yes	3	1	4	4	4	-	-
CA-FRE-3163	No	Yes	-	-	-	8	5	-	-
CA-FRE-3102	No	No	1*	1	-	6	2	1	1
CA-FRE-3160	No	No	-	-	1	1	2	1	-
CA-FRE-3165	No	No	-	-	-	-	2	-	-

Note: RR=rock ring, MID=midden soil, MS=millingslab, HS=handstone, PP=projectile point, BIF=biface, FT=flake tool, COR=core, DR=drill; *Boulder milling slick

At other project sites (FRE-3160, and FRE-3165), fewer flaked stone tools were found relative to decortication debitage. This suggests that a lesser variety of activities took place at these locations, and that much of the activity was centered around stoneworking.

Debitage analysis at project sites further emphasizes differences apparent in the treatment of flaked stone material. Debitage from the three rock ring features is dominated by small, pressure retouch debitage while large, open lithic scatter sites such as FRE-3102, FRE-3160, and FRE-3165 are dominated by larger, decortication debitage. This suggests that two different strategies of toolstone use were in operation at Taboose Pass. The first involved the earlier stages of lithic reduction, probably activities such as trimming excess cortex off core masses, and removing lower-quality material from nodules. These activities were likely related to the transport of obsidian raw material to west-side localities. The second strategy was more concerned with the production and maintenance of finished flaked stone tools such as projectile points, apparently used locally to exploit alpine and subalpine resources.

Ground Stone

Although milling equipment was not abundant at any site, the greatest numbers of implements were observed at sites with clear late prehistoric occupations. Ground stone artifacts were observed at FRE-3105, FRE-3169, and FRE-3102. At both FRE-3105 and FRE-3169, ground stone implements were associated with rock ring features and appear to be related to late prehistoric use of the area. At FRE-3102, however, both a handstone and a boulder milling slick were observed, but no rock ring features were present. This site seems to represent a Newberry period occupation, but it is unclear whether the milling equipment was also used during this interval, or whether it was a later addition. Most artifacts and debitage at FRE-3102 are indicative of stoneworking, suggesting that if seed grinding occurred at this location during the Newberry period, it was a minor activity.

Overall, the ground stone assemblage from Taboose Pass displays consistent patterns of design and use (see Appendix C). Handstones showed no evidence of formal shaping and only three exhibited pecking. None of the handstones are made of exotic material and only two were used on more than one face. Millingslabs showed some variation in material type, but were generally of two types; either large, thick block forms made from tabular pieces of granite, or thinner and lighter implements made from tabular pieces of locally-derived metavolcanic material. None was formally shaped.

The milling equipment from Taboose Pass is largely expedient in nature, with parent rocks undergoing only minimal modification, largely due to use. Most of the millingslab specimens were likely cached in place in anticipation of future use as they were prohibitively heavy for long-distance transport. Thinner metavolcanic millingslabs may provide an exception to this statement. Most handstones and millingslabs showed only minimal use wear, suggesting they were not used intensively.

Rock Ring Features

Rock ring features were observed at two sites. These features are presumed to represent the remains of prehistoric structures. It is difficult to gauge the length of time the structures were inhabited, but midden development and debitage densities suggest stays on the order of at least several days to several weeks are likely.

Of course, it is not possible to easily differentiate between the cumulative effects of many short-duration stays and the effects of fewer, longer-term stays. However, the investment in time and energy made to construct rock ring foundations and the associated structures, argues for more than simply casual, short-term occupation. Also, the diversity of ground and flaked stone artifacts associated with these rock ring features suggests that they do not represent short-term camp locations reflecting a narrow, specialized suite of activities.

As a gauge of how intensively these structures were inhabited, comparisons to structures in the alpine zone of the White Mountains (Bettinger 1991a) are helpful. Bettinger (1991a) has characterized alpine villages as locations inhabited by nuclear families or larger social units for one to two months or longer. The rock ring structures making up these villages feature rich midden deposits, abundant flaked and ground stone artifacts, and a diversity of faunal and floral remains.

Rock ring features investigated at Taboose Pass resemble those from the White Mountains in several ways. First, the size of the presumed structures is similar with diameters of White Mountains structures said to range from 4.0-6.0 m (Bettinger 1991c) and those of Taboose Pass ranging from ca. 3.9-4.5 m. Second, features in both areas are associated with milling equipment and midden soil (Bettinger 1991a). Third, features in both areas are associated with a diversity of artifact types indicative of a broad range of extractive activities (Bettinger 1991a).

These similarities, however, only go so far, and several lines of evidence point to more intensive and prolonged occupations at village locations in the White Mountains as compared to rock ring features at Taboose Pass. First, rock ring features at sites in the White Mountains are reported to have large quantities of battered cobbles thought to have been used in exploiting local root resources (Bettinger 1991a, 1991c). Such artifacts were not found associated with Taboose Pass rock ring features. Also, the numbers of projectile points, millingstones, handstones, and other artifact classes reported from sites in the White Mountains are much higher than those at Taboose Pass rock ring sites (Bettinger 1991a). This is likely to be true even if greater excavation samples from sites in the White Mountains are taken into account

Nevertheless, rock ring features at Taboose Pass sites represent a significant departure from the more common simple lithic scatters found throughout high-elevation locations in the Sierra Nevada. Other sites in the subalpine and alpine zones of the Sierra Nevada feature occasional ground stone implements or other artifacts not directly related to hunting, but sites with rock ring features at Taboose Pass are especially notable because they include a suite of artifacts and features that together are indicative of longer-term stays at altitude accompanied by a wide range of subsistence activities.

Chronology

Chronological data examined for this study suggest these six sites can be divided into two basic groups (see Figures 25 and 26). Sites FRE-3102, FRE-3160, and FRE-3165 seem to have been largely in use during the Newberry period (3500-1350 B.P.). By contrast, a second group of sites, FRE-3105, FRE-3169, and FRE-3163, show significant use in the Haiwee and Marana periods (after 1350 B.P.). These two general periods of use are by no means mutually exclusive as both periods are in evidence at all six sites to some extent. In general, however, obsidian hydration data as well as time-sensitive artifact types support these divisions.

Given that most chronological data from sites at Taboose Pass consist of obsidian hydration readings converted to years B.P. estimates, caution should be used in their interpretation. While the raw hydration readings support the basic chronological ordering of sites and features, the actual calculated dates (especially the older ones) should only be considered rough estimates. Despite these caveats, it is likely the earlier sites were in use mainly during the Newberry period, and the later sites during the Haiwee and Marana periods.

Site Function

Based on artifact assemblages and site characteristics, two general site types were defined that reflect the intensity of use at various Taboose Pass sites. First, *limited-use* sites include FRE-3102, FRE-3160, and FRE-3165. These three sites all share several attributes including the presence of dense scatters of obsidian debitage, high percentages of decortication debitage, and low artifact diversity. These deposits also lack midden soil

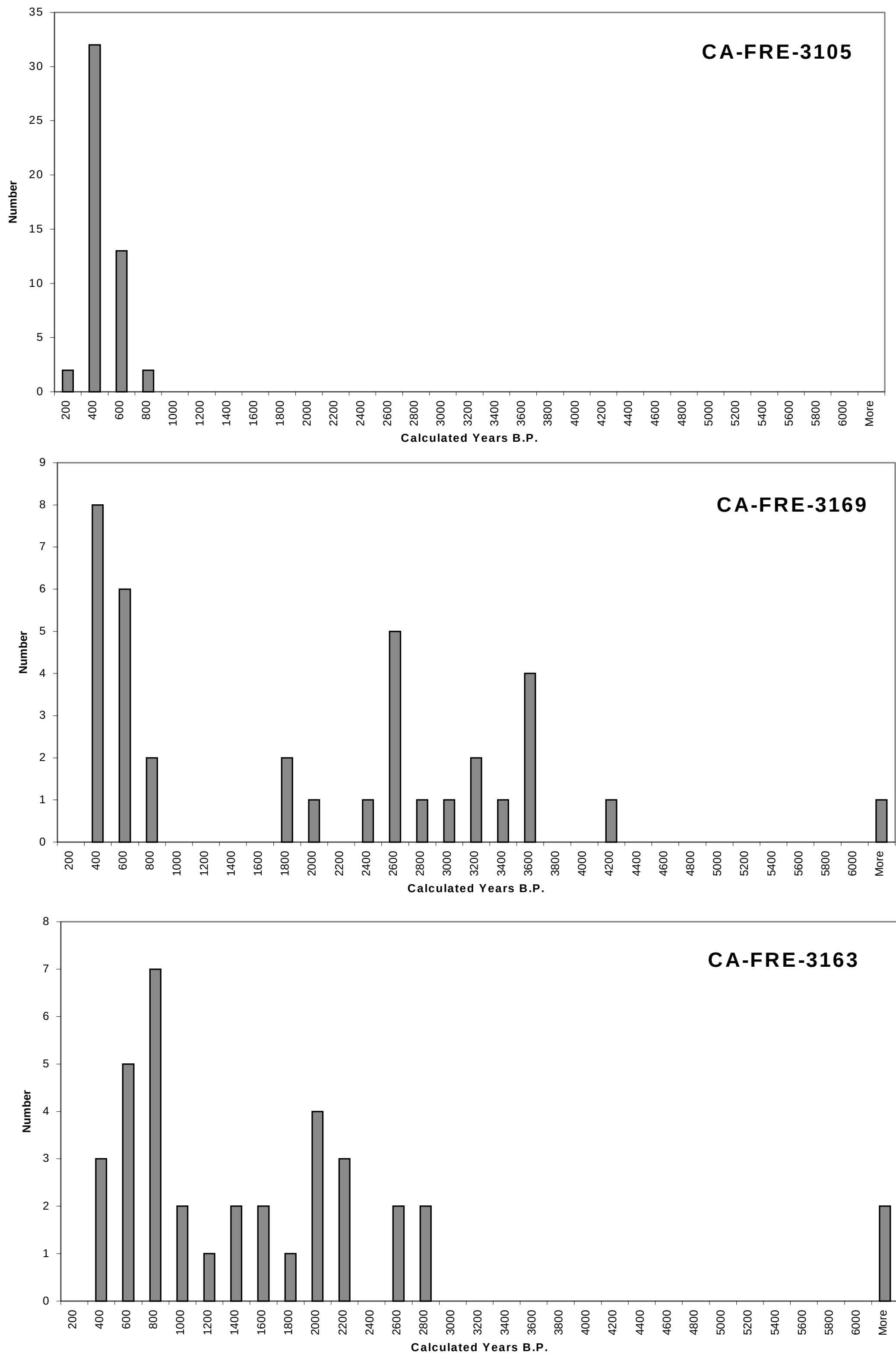


Figure 25: Hydration-derived Dates from Sites CA-FRE-3105, CA-FRE-3169, and CA-FRE-3163.

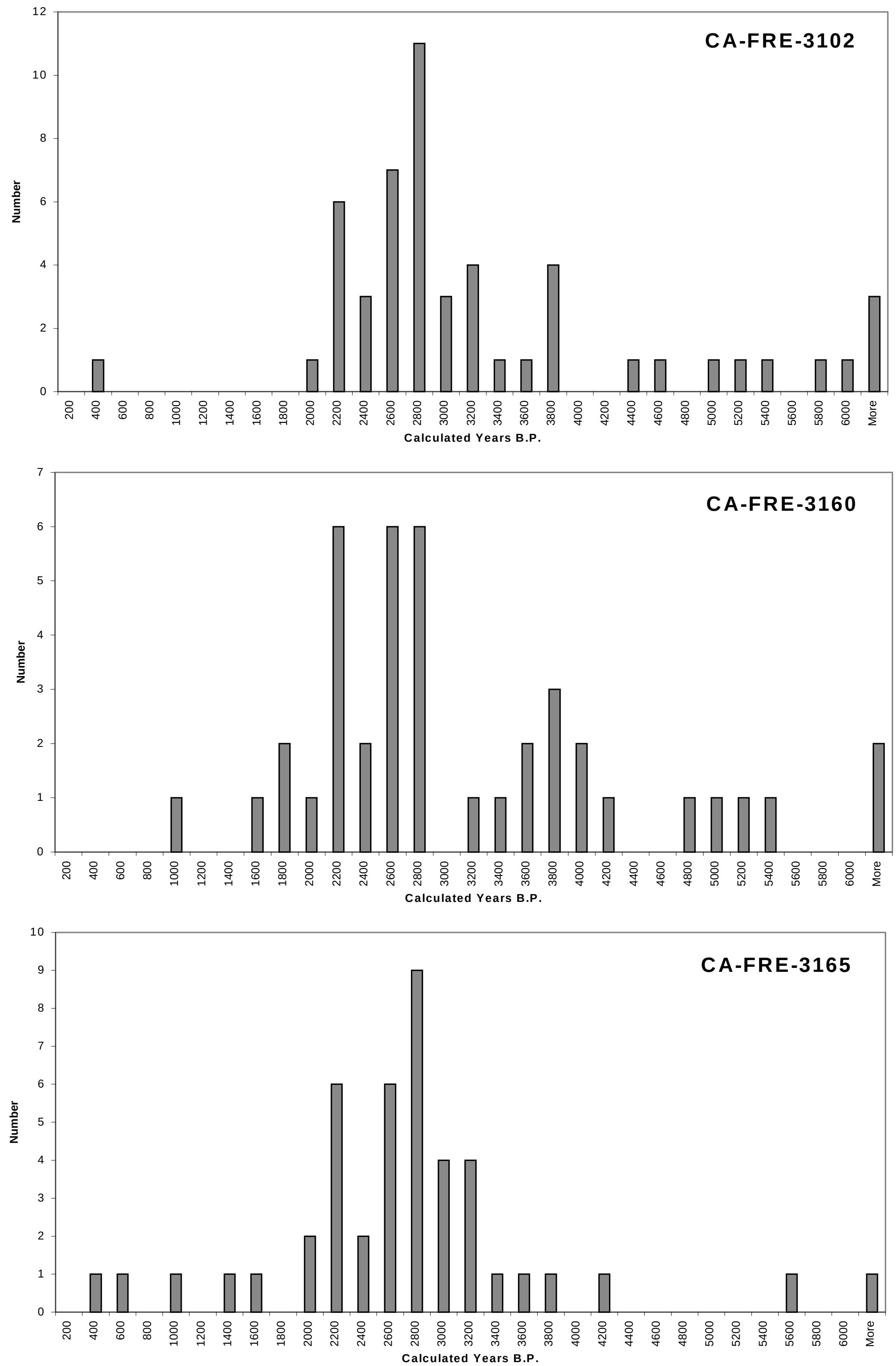


Figure 26: Calculated Dates from CA-FRE-3102, CA-FRE-3160, and CA-FRE-3165.

and features suggestive of long-term habitation. The second group of sites defined here, *intensive-use* sites, includes FRE-3105, FRE-3169, and FRE-3163. These are characterized by a diversity of artifact types, the presence of midden soil, and the presence of rock ring features or other signs of longer-term habitation (e.g., boulder surrounded by midden at FRE-3163).

Limited-Use Sites

Obsidian hydration data from the three limited-use sites (FRE-3102, FRE-3160, and FRE-3165) suggests they were chiefly used during the Newberry period. They were initially used prior to 3500 B.P., but the greatest number of hydration readings falls between 3000 and 2000 B.P. A small, but significant number of readings from FRE-3160 also date to the pre-Newberry period.

All three sites are large, fairly dense, lithic scatters characterized by high percentages of decortication debitage and only small numbers of finished bifacial tools. Flake tools and other artifacts were found at all three sites, indicating that activities other than lithic reduction also occurred at these locations.

Stoneworking is the dominant activity represented at these sites with large amounts of debitage probably resulting from secondary reduction of Fish Springs core masses. The lack of structural remains and midden soil at limited-use sites suggests they were occupied for short periods of time, perhaps overnight or up to several days. If this was the case, then these sites may have been quick stops made by people traveling to west-side locations rather than destinations in themselves. Considering the amounts of

Fish Springs decortication debitage present at these sites, it seems likely the source had been visited recently.

These sites give little indication as to whether obsidian transported to Taboose Pass was intended to be formally traded or whether it was informally exchanged with other groups passing through the high country during the summer months. Considering the nature of subsistence-settlement systems during the Newberry period when much of the obsidian was being quarried, the later scenario seems more likely (cf. Bouey and Basgall 1984). Sites at Taboose Pass with dense lithic scatters and high percentages of decortication debitage might be expected in two cases: first, if east side groups exchanged locally quarried obsidian with west-side peoples at the pass, and second, if west-side groups accessed the obsidian on their own. These two scenarios will be explored further in the following chapter.

Intensive-Use Sites

Obsidian hydration data from the three intensive-use sites (FRE-3105, FRE-3169, and FRE-3163) suggest they were chiefly used during the Haiwee and Marana periods. The dating of rock ring features at FRE-3105 and FRE-3169 is similar, the majority of obsidian hydration readings and associated projectile points suggesting dates after ca. 1350 B.P. The radiocarbon determination of 1190 ± 60 B.P. from FRE-3105, Feature F-1 also supports a post 1350 B.P. occupation. Although an earlier, Newberry period occupation is evident at FRE-3169, evidence from FRE-3105 suggests the rock ring feature, milling equipment, and midden soil belongs with the Haiwee and Marana occupation of the site.

Debitage profiles from the three rock ring features were also comparable, with the largest share of flakes classified as pressure debitage, suggesting tool production, maintenance and repair were important activities at these locations. Rock ring features, ground stone artifacts, and projectile points were present at both FRE-3105 and FRE-3169.

Unlike FRE-3105 and FRE-3169, FRE-3163 does not have rock ring features although it does exhibit midden soil surrounding a large glacial erratic boulder. This boulder could have provided support for erecting temporary shelters. The lack of milling equipment at FRE-3163 also distinguishes it from other intensive-use sites. Although FRE-3163 has a fairly dense scatter of obsidian debitage, the associated hydration determinations suggests a later occupation than other dense lithic scatters at Taboose Pass. The greater number and variety of flaked stone tools present at this site also suggest a broader range of activities than at limited-use sites. Overall, this site has more in common with intensive-use sites, but may represent a slightly earlier, and less intensive use of this high elevation area.

Longer-term stays are indicated by the presence of rock ring features at two sites, and midden soil with dense accumulations of debitage all three sites. The presence of these attributes suggests stays of several weeks, perhaps longer, may have occurred at these locations. Taken together, the evidence from intensive-use sites suggests these were locations where small groups returned repeatedly to engage in various activities, including exploitation of local plant and animal resources, tool production and maintenance, and possibly trade and/or exchange with other groups.

CHAPTER 6

REGIONAL COMPARISONS

Results of this study suggest the archaeological record of Taboose Pass is characterized by a shift from limited-use sites to intensive-use sites after ca. 1350 B.P. Roper Wickstrom (1993), following the conclusions of Thomas (1982) and Bettinger (1991a) for the Toquima Range and White Mountains, also described a shift in the alpine Sierra Nevada from an earlier, extensive logistical hunting pattern to a later, intensive residential pattern. Considering the similarity of the Taboose Pass record to both Roper Wickstrom's characterization as well as to Great Basin archaeology, it seems useful to explore whether the superficial similarity of high altitude occupation in the Sierra Nevada to that of the Great Basin reflects an overall equivalency of processes at work in both regions.

In order to understand how archaeological patterns evident at Taboose Pass may have been related to changes in regional subsistence-settlement systems and obsidian procurement practices, this chapter compares the late Holocene archaeological record of the western Great Basin to that of the southern Sierra Nevada. In particular, these comparisons emphasize changes in the use of upland areas in both regions. Because the archaeological record of the western Great Basin is better understood than that of the southern Sierra Nevada, a regional examination of obsidian hydration data augments discussions of the latter region. Regional obsidian hydration data are also used to investigate changes in the use of the Fish Springs obsidian source through time. By investigating these aspects of the archaeological record of both sides of the Sierra

Nevada, regional changes likely to have affected the prehistoric use of Taboose Pass will be evaluated.

Background and Methods

In the western Great Basin, several decades of research have yielded a basic understanding of how human populations organized themselves on the landscape during the late Holocene (Bettinger 1977, 1982, 1989, 1991a; Basgall and McGuire 1988; Delacorte 1990, 1999). Changes in mobility, settlement, technology, and resource intensification have been documented in a variety of environmental settings and time periods. Distinctions between various adaptive strategies described in this region are particularly apparent in upland areas.

As discussed in Chapter 2, during the Newberry period (3500-1350 B.P.), upland areas are thought to have been largely used for logistical hunting (Bettinger 1977; Delacorte 1990). During the Haiwee period (1350-650 B.P.), logistical hunting camps became less common and then were abandoned completely (Bettinger 1977; Delacorte 1990). Other new types of settlements, including pinyon camps and alpine villages, are thought to have taken their place (Bettinger 1991a; Delacorte 1990). During the Marana period (650 B.P.-Historic Contact), a continuation of the settlement pattern initiated during the Haiwee period is evident and use of upland areas appears to have been similar (Bettinger 1991a; Delacorte 1990).

In the southern Sierra Nevada, many areas have seen only cursory study and the basic trajectory of land-use changes is scarcely known. Even in areas where large-scale excavation projects have been conducted (e.g., Dinkey Creek, Crane Valley) it has been difficult to isolate separate temporal components at most sites (Jackson and Dietz 1984:179). There have also been few attempts to use available data synthetically to explore regional subsistence-settlement patterns (but see Jackson 1984a, 1988; Jackson and Dietz 1984; Moratto et al. 1978). A regional database of obsidian hydration data will be used here to highlight some of the salient archaeological patterns.

A problem facing this regional-scale investigation of hydration data is that raw hydration readings are not directly comparable between sites from different elevations. The extreme topography of the Sierra Nevada results in wide differences in site temperatures, complicating the interpretation of obsidian hydration data. This is evident when localities in the Owens Valley are compared with those in the southern Sierra Nevada. For example, in the Owens Valley, the EHT at Bishop is 15.4°C, while the EHT at Haiwee, 140 km to the south, is 17.4°C. In contrast, the EHT at Ash Mountain in the southern Sierra Nevada, is 18.9°C, while just 9 km away, Giant Forest has an EHT of only 9.8°C. To make hydration data comparable over this large and varied landscape, estimated EHT values were calculated for each site using regression equations described in Chapter 4. Temperature-adjusted obsidian hydration rate equations also described in Chapter 4 were used to calculate estimated dates from hydration rim readings. Separate rates were used for artifacts from Casa Diablo, Fish Springs, and Coso Volcanic Field, the three most common sources in the region (see Figure 4). The resulting calculated dates were arrayed into 500-year blocks of time and displayed graphically in histograms so that general chronological patterns could be evaluated (see Figures 27-33).

Regional comparisons are presented as three separate sections. First, land-use changes on the western slope of the Sierra Nevada are examined. Next, land-use changes in high-elevation areas of the southern Sierra Nevada are examined. Finally, the use of the Fish Springs obsidian source is explored in relation to the use of Taboose Pass.

Land-use Changes on the Western Slope

As discussed in Chapter 2, current understandings of prehistory in the lower foothills of the central and southern Sierra Nevada are largely based on work at New Melones and Buchanan Reservoirs (Moratto 1972; Moratto et al. 1988). Of these two locations, Buchanan Reservoir, located in the Chowchilla river drainage about 90 miles northwest of Taboose Pass, provides the most relevant local cultural sequence.

Although the spatially restricted nature of the Buchanan Reservoir project precluded the investigation of large-scale land-use changes, a key transition in subsistence-settlement systems seems to have occurred during the Raymond phase (now dated ca. 1400-450 B.P.; cf. Moratto 1984). This phase is described by Moratto (1972) as follows.

> The Raymond Phase (ca. A.D. 300-1500 [now dated ca. A.D. 550-1500]) seems to reflect an episode of cultural instability and change. Although millingstones, core tools, and small retouched flakes continued to be important, *Olivella* beads were scarce and *Haliotis* ornaments were virtually unknown–presumably because the Chowchilla River people no longer had access to sources of marine shell or ornaments. Typical of the Raymond Phase are small-to-medium projectile (arrow?) points and general use of the bedrock mortar and unshaped pestle. Populations were small and dispersed; old villages appear to have experienced chronic cycles of occupation and abandonment after ca. A.D. 500. Violence was common. Primary interment of the dead in flexed positions was the normal mortuary practice, although some extended burials were interred during the early part of the phase. By contrast to Chowchilla Phase displays of funerary wealth, however, Raymond burials seldom were furnished with anything but cairns of boulders and millingstones (Moratto 1972).

The Raymond phase population decrease described by Moratto, along with a hypothesized population increase in higher elevation settings was linked by Moratto et al. (1978) to a roughly coeval warm/dry climatic period. This warm/dry period, now often referred to as the Medieval Climatic Anomaly, is thought to have occurred between ca.1100 B.P. and 600 B.P. (Stine 1994). Debates concerning the possible effects of this climatic event on human populations are ongoing and are discussed in detail elsewhere (Basgall 1999, 2000; Bettinger 1999b; Bouey and Basgall 1984; Byrne 1979; Jones et al. 1999). Relevant to this discussion is recent research in the Owens Valley and southern San Joaquin Valley suggesting that if the Medieval Climatic Anomaly impacted prehistoric populations, the effect was not a simple reduction in population size (Basgall 2000; Siefkin 1999).

If populations throughout the region did not decline, then what could account for the reduced occupation intensity observed in the lower foothills during this period? One particularly important piece of information to consider in this regard is the correspondence of the proposed population decline during the Raymond phase with the appearance of the bedrock mortar. Although prehistoric populations in California are believed to have used acorns at least occasionally in earlier periods, the appearance of bedrock mortars is thought to mark the inception of intensive acorn exploitation (Basgall 1987). If populations residing in lower foothill environments of the Sierra Nevada began intensively exploiting acorns sometime between ca. 1400 and 450 B.P. (cf. Moratto 1984:317), other substantial changes are likely to have accompanied this transition, including increases in population size, decreases in mobility, as well as structural changes to subsistence-settlement systems (Basgall 1987).

Rather than marking a population decline, an alternative explanation of Raymond phase archaeological patterns sees reduced occupation intensity in the lower foothills as caused by land-use changes accompanying the intensive use of acorns. Such a shift may have involved a reorganization of the subsistence-settlement system, where settlement movements were increasingly dictated by spatial and temporal aspects of the acorn crop. Whereas prime locations in the lower foothills may have previously served as residential bases from which a variety of resources were exploited by logistic means, with acorn exploitation assuming greater importance, settlements geared to the intensive exploitation of acorns may have multiplied in areas previously exploited less intensively. Overall, the settlement pattern may have become spatially less extensive, but characterized by a larger number of settlements spread throughout the annual range. If larger numbers of settlements were scattered over a wider range of elevations, the effect may have been a less visible archaeological signature at the former sites of major lowland villages.

In light of this interpretation, it is interesting to note that an increase in the use of middle elevation areas has been observed in areas of both the central and southern Sierra Nevada during this same general interval (Cleland 1988; Goldberg and Skinner 1990; Moratto et al. 1988). In the Mokelumne River Canyon, Cleland (1988) found evidence for increased settlement intensity at middle elevation sites (3300-4000 ft) between ca.1500 and 750 B.P. Further south, at middle-elevation sites (ca. 3300 ft.) in the Crane Valley area (now Bass Lake), Goldberg and Skinner (1990) reported an increase in use intensity between ca. 1250 and 650 B.P. Such increases in use intensity would be expected if upland locations formerly used logistically for a narrow range of activities (e.g., hunting) were later occupied seasonally by groups of people engaged in a variety of tasks, including the processing of acorns.

In the southern Sierra Nevada, many additional excavations and small-scale site assessments have produced data relevant to evaluating this proposition (e.g., Caputo 1994; Hale and Hull 1997; Holson 1996; Hull and Hale 1992a, 1992b; Jackson 1996; Maniery 1990; Mundy 1991;Wickstrom et al. 1991), but the data have not been examined on a regional scale. In order to examine the evidence for increased occupation intensity in middle and upper elevations after ca. 1400 B.P., hydration data from bedrock mortar sites in the southern Sierra Nevada were examined. This examination included a total of 2709 hydration rim readings from 39 bedrock mortar sites in Madera, Fresno, and Tulare counties (see Appendix D for sources of data).

In order to compare the use of lower elevations with upland areas, the available sample of bedrock mortar sites was split into two groups. The first group includes sites located at lower elevations, here defined as below 5000 feet in elevation, the approximate winter snowline. This elevational division includes areas of valley grassland, foothill woodland, chaparral, and mixed conifer forest. These middle and low elevation areas are likely to have included large year-round settlements as well as seasonally-used sites. The second group includes sites above 5000 feet in elevation. This division includes areas of mixed conifer forest and subalpine forest, upland areas more likely to have been used on a seasonal basis.

The results (see Figure 27) lend support to the idea that higher elevation areas were used more intensively after ca. 1400 B.P. Rather than being the result of an up-slope population movement (cf. Moratto et al. 1978), this pattern could also indicate a more dispersed settlement strategy that involved seasonal movements up and down slope as

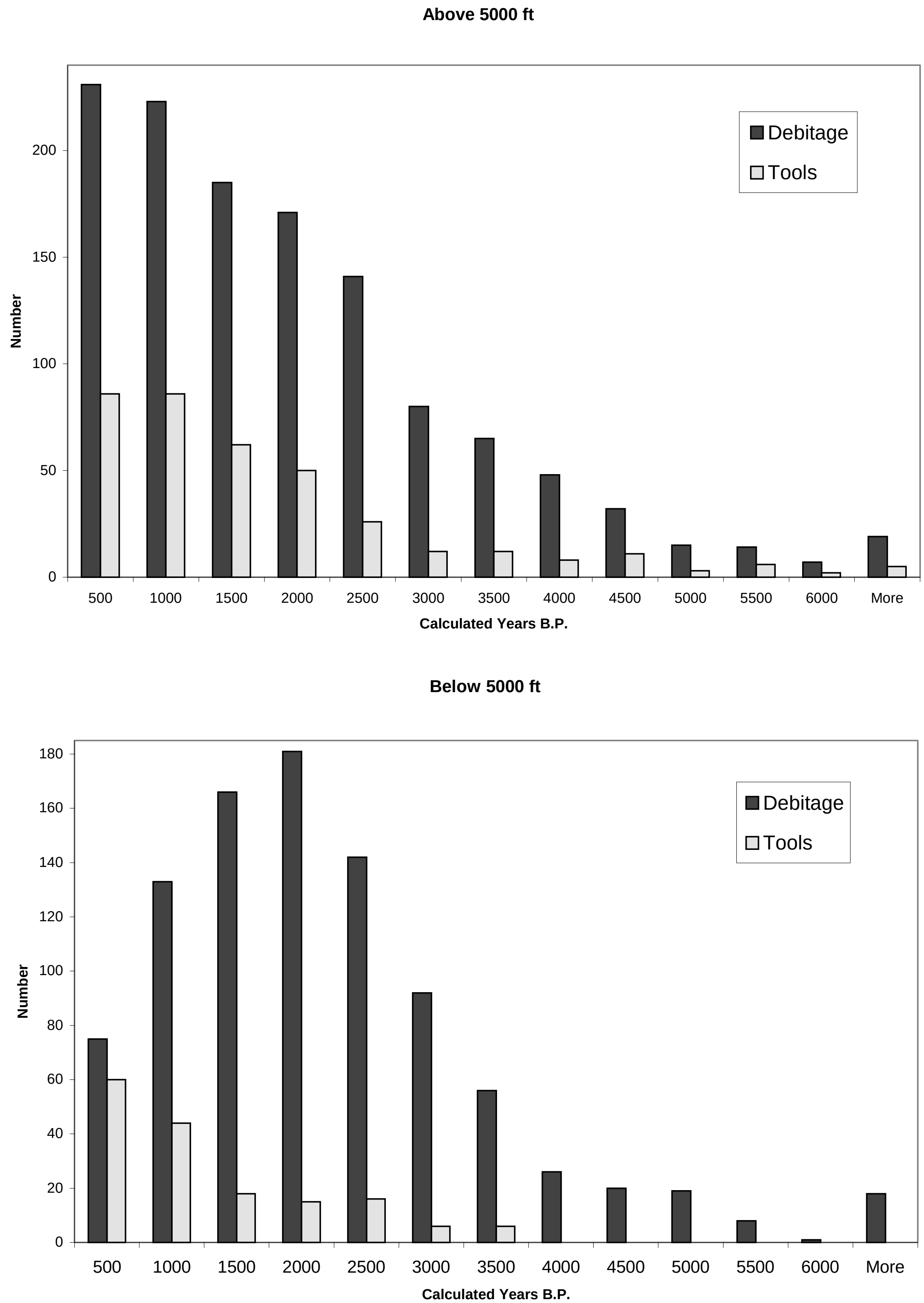


Figure 27: Obsidian hydration-derived dates from bedrock mortar sites in southern Sierra Nevada.

various plant resources became available. The environmental setting of many of these sites, particularly those above the snowline, suggests more marginal, higher elevation areas were being used more intensively by late prehistoric populations along the western slope. Whether this was related to the intensive use of acorns specifically, or to more widespread changes in subsistence-settlement systems is difficult to say given the present data. Whatever the cause, the result must have surely affected the way even higher elevation areas were used.

These results must be interpreted carefully because obsidian hydration readings do not date bedrock mortars, or the occupation history of the sites *per se*, but the intensity of flaked stone working in various locations (cf. Goldberg et al. 1986:313). The association between intensive acorn use and flaked stone artifacts is not direct, and is likely not justified at many sites. When chronological data from many sites are examined together, however, the effects of mixed data are lessened and repeated patterns are likely to be culturally meaningful. This should be especially true if such sites were the locus of a variety of activities, in addition to acorn processing.

The apparent decrease in debitage deposition at lower-elevation sites may signal decreased use intensity, but it could also be related to the regional decline in the demand for obsidian after ca. 2000 B.P. Prior to this time, populations using a biface-intensive technology are likely to have produced larger amounts of debitage. If many of the lower and middle elevation sites were inhabited during the period of highest obsidian deposition, then later occupations are likely to appear less intensive in comparison.

Conversely, sites that do not exhibit the characteristic surge in obsidian use between ca. 3000 and 1000 B.P. are more likely to have been initially inhabited relatively later in prehistory. This is the pattern apparent among higher elevation bedrock mortar sites (see Figure 27). Rather than exhibiting a peak between ca. 3000 and 1000 B.P. followed by a decline, these sites show increases in obsidian deposition throughout prehistory. This suggests that earlier groups with a toolstone-intensive technology did not spend a great deal of time at many of these sites. Perhaps short-duration hunting forays or seasonal plant food exploitation brought small groups to such locations. Later populations using bedrock mortars to intensively exploit acorns and other available plant foods (e.g., sugar pine nuts) may have been more archaeologically visible because of longer stays and the wider variety of activities represented.

Land-use Changes in High-Elevation Areas

As discussed in Chapter 2, the Newberry period subsistence-settlement system in the western Great Basin is thought to have been characterized by movement between a series of lowland base camps from which groups made specialized logistical forays to procure various resources (Bettinger 1999a; Delacorte 1990). In particular, hunting during the Newberry period is thought to have involved the logistical movement of small groups of people (probably mostly men) to specialized hunting camps in the uplands (Bettinger 1999a; Delacorte 1990). Those who stayed behind at lowland base camps concentrated on exploiting locally available plant foods. This strategy is thought to have allowed Newberry period groups to take advantage of high quality plant and animal resources when and where they were available during the course of the year (Bettinger 1999a). The need for logistical hunting camps is thought to have declined, and then vanished completely, during the subsequent Haiwee period when residential settlements occurred in a larger variety of environments, positioning hunters in reach of game throughout the annual round (Delacorte and McGuire 1993). The abandonment of logistical hunting camps is not necessarily seen as indicative of a reduction in hunting, but instead a reorganization of the settlement system where hunting, in addition to other specialized activities, was transferred to other settlement categories (such as pinyon camps and alpine villages) that first appear during the same interval (Delacorte 1990).

Logistical camps are characterized by simple assemblages consisting primarily of debitage, projectile points and bifaces, and lacking plant processing implements (Bettinger 1977; Delacorte 1990). These assemblages are thought to reflect brief occupations concentrating on a narrow range of tasks related to hunting. Many sites at higher elevations of the southern Sierra Nevada show a similar assemblage composition (see Table 14).

In order to assess whether such sites in the southern Sierra Nevada also date to the same general interval as their presumed Great Basin counterparts, the available sample of 34 sites occurring above 8000 feet in elevation was split into two groups, limited-use sites and intensive-use sites, according to the classification scheme used to describe sites at Taboose Pass (see Table 14). Limited-use sites included those with restricted flaked stone assemblages, and without attributes related to more intensive occupation (e.g., rock rings, midden soil, or bedrock mortars). Of 27 limited-use sites in the regional sample, one (INY-3458) included ground stone artifacts, but only two handstones were present; the remainder of the assemblages being fully consistent with the limited-use classification. Seven of the 34 sites were classified as intensive-use sites based on the presence of rock rings, midden soil, or bedrock mortars. A total of 395 hydration readings

SITE	ELEV	RR	RS	MID	BRM	GS	FAU	CER	STEA	PRJPT	BIF	FT
CA-FRE-3105	11023	X		X		X	X		X	X	X	X
CA-FRE-3163	10990		X	X							X	X
CA-FRE-3169	10925	X		X		X	X			X	X	X
87A-32	10640				X	X					X	
CA-FRE-266	10640	X	X	X	X	X	X	X	X	X	X	X
CA-TUL-103	9600			X			X	X				
CA-TUL-1253	8720			X	X	X						
CA-TUL-1252	8560				X						X	
CA-TUL-1250	8500				X			X				
CA-TUL-304	8499			X	X	X				X		
CA-FRE-2162	11600										X	
CA-FRE-2164	11600										X	
CA-FRE-2175	11520									X		
CA-TUL-1263	11520										X	
CA-FRE-2172	11460											
CA-FRE-2174	11460									X		
CA-FRE-2170	11440									X		
CA-TUL-1264	11440										X	
CA-TUL-1265	11400									X	X	
CA-FRE-2168	11240										X	
CA-FRE-2169	11240									X	X	
CA-TUL-1262	11240									X		
CA-FRE-3165	11023											X
CA-FRE-3102	10941					X					X	X
CA-FRE-3160	10892									X	X	X
CA-TUL-1237	10880									X	X	
CA-TUL-1238	10880										X	
CA-TUL-1242	10880											X
CA-TUL-1240	10860									X	X	X
CA-TUL-1239	10840										X	
CA-TUL-1241	10840										X	
88A-4	10800										X	
88A-5	10640									X		
CA-TUL-1231	10560										X	
CA-TUL-1232	10240										X	X
CA-INY-3458	9730					X	X			X	X	X
CA-TUL-1249	8560										X	X
CA-TUL-1254	8560											
CA-TUL-1235	8400											
CA-INY-3448	8120									X		X

Table 14: Attributes of sites in subalpine and alpine zones of southern Sierra Nevada. Sites in shaded area are interpreted as intensive-use sites while the remainder of the sites are interpreted as limited-use sites. Note: RR=rock rings, RS=rockshelter, MID=midden, BRM=bedrock mortars, GS=ground stone, FAU=faunal, CER=ceramic, STEA=steatite, PRJPT=projectile point, BIF=biface, FT=flake tool.

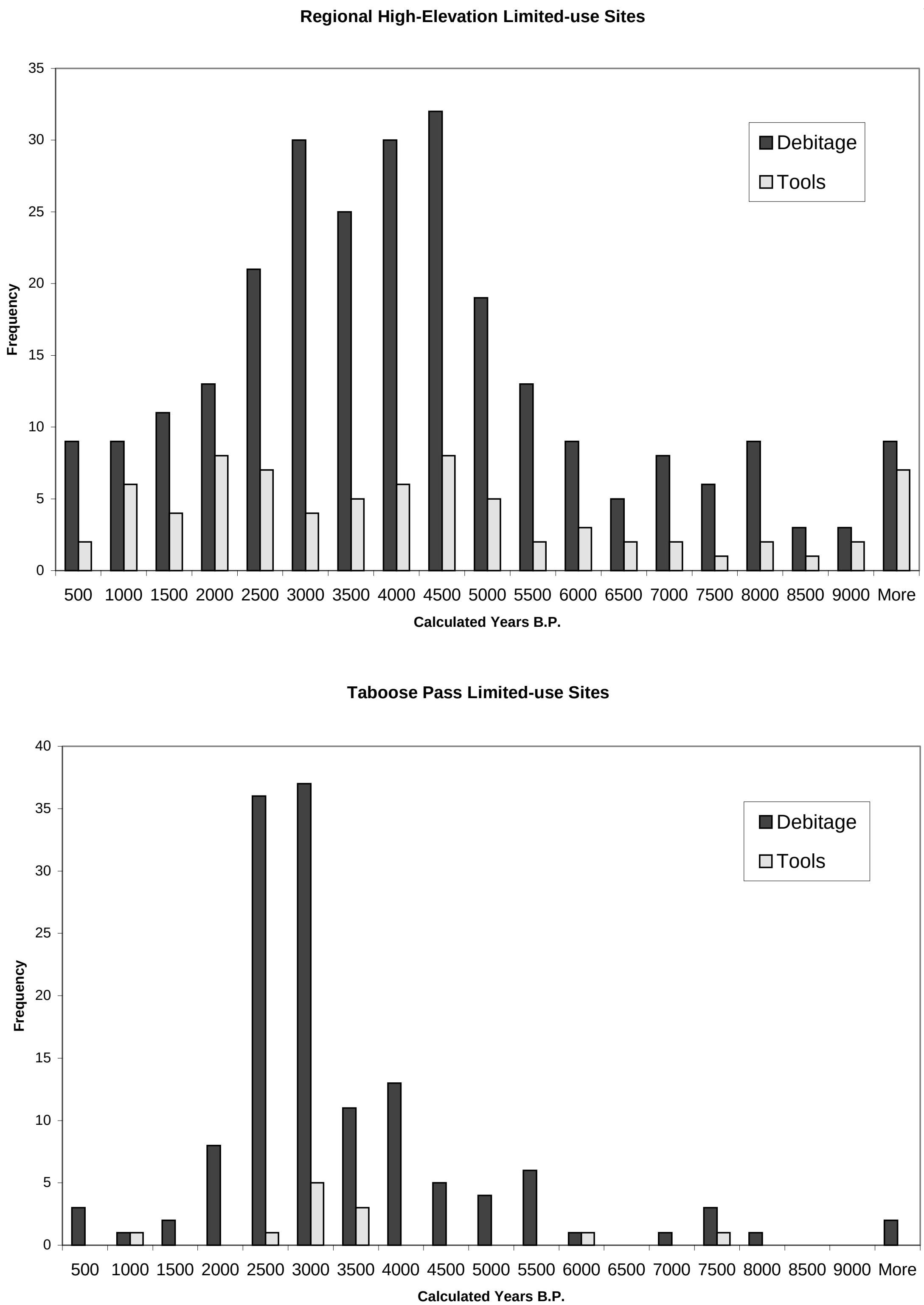
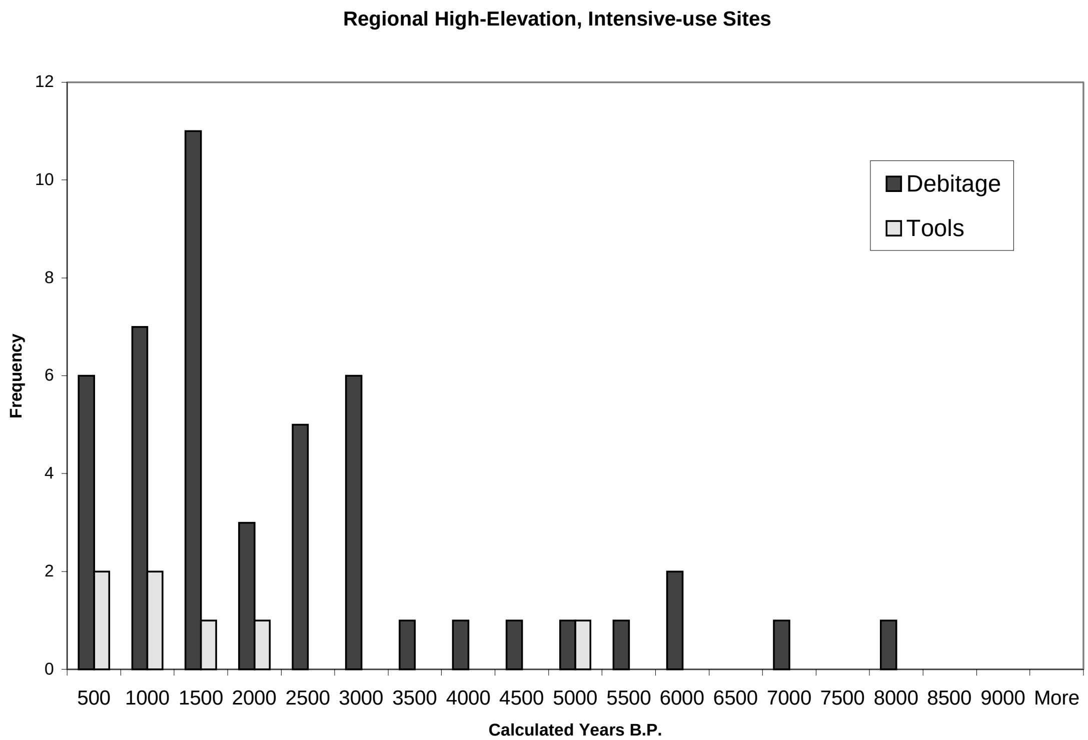


Figure 28: Obsidian hydration-derived dates from high-elevation, limited-use sites in southern Sierra Nevada.



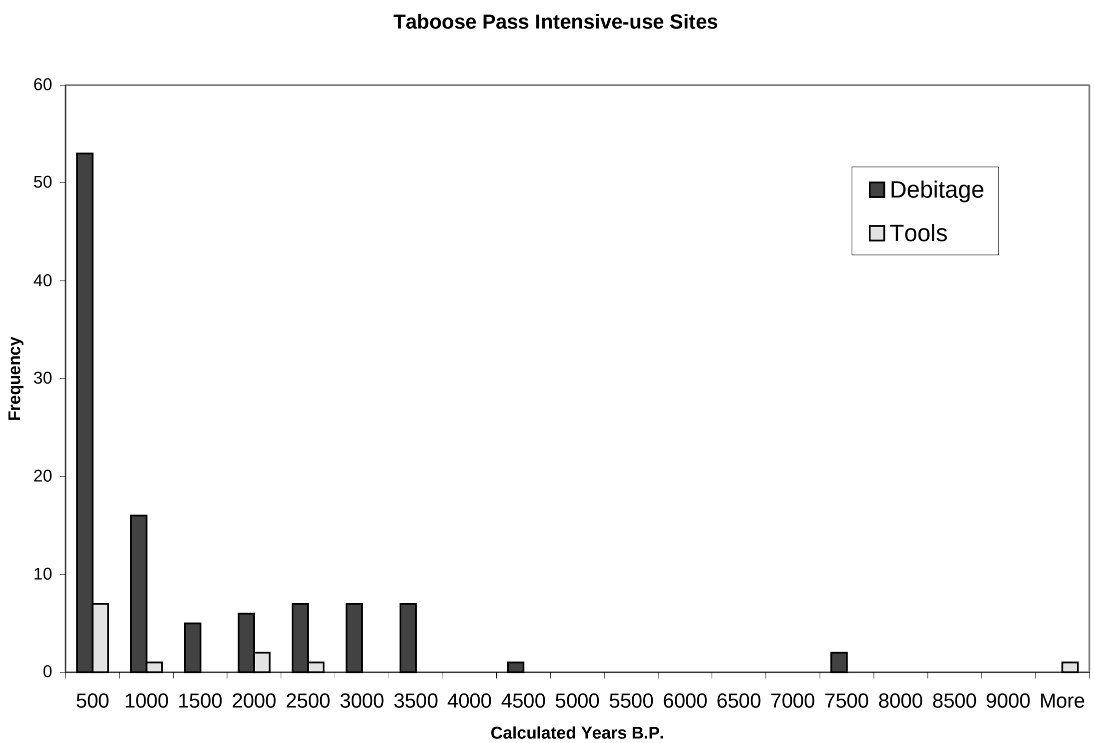


Figure 29: Obsidian hydration-derived dates from high-elevation, intensive-use sites in southern Sierra Nevada.

was included in this comparison (see Appendix D for sources of data).

According to the hydration data examined here, limited-use sites in the Sierra Nevada appear to have been chiefly in use between ca. 4500 and 2000 B.P. (see Figure 28). This encompasses the period of use at similar sites at Taboose Pass, where most debitage deposition largely occurred between 3000 and 2000 B.P. Although the span of occupation at Taboose Pass limited-use sites is similar to those in the general region, the number of dates between 3000 and 2000 B.P. is obviously greater than during any other interval. This would imply that such sites at Taboose Pass differ in some ways from others in the regional sample.

Limited-use sites in the regional sample seem to fit comfortably within the general classification of logistical hunting camps described from the western Great Basin (Bettinger 1977, Delacorte 1990). Those at Taboose Pass, however, are distinctly different in their increased debitage densities, low tool to debitage ratios, and high percentages of cortical debitage.

Although detailed assemblage data are not available for sites reported by Roper Wickstrom (1992), the impression given by written descriptions is that most of the high-elevation sites were characterized by sparse to moderate debitage scatters. Maximum flake densities reported for these sites range from one to 50 flakes per square meter. Conversely, limited-use sites at Taboose Pass feature maximum flake densities of 40 to 360 flakes per square meter. Additionally, many of the sites in the regional sample include bifaces and projectile points in comparable numbers to limited-use sites at Taboose Pass, meaning that tool to debitage ratios are likely much higher at other limited-use sites in the region.

Located in a comparable setting to sites at Taboose Pass, INY-3458 includes a more detailed suite of analytical data (Jackson and Jackson 1997). While surface debitage densities are not reported, excavation revealed a debitage density of 32 flakes per cubic meter (Jackson and Jackson 1997). Analytical data available for INY-3458 indicate the dominant activity represented at the site was late-stage bifacial tool manufacture and repair. The majority of flakes (85%) were smaller than 6 mm and 26% of identified flakes were classified as pressure flakes (Jackson and Jackson 1997). This contrasts sharply with limited-use sites at Taboose Pass, where most flakes are between 10-20 mm and decortication debitage is much more prevalent than pressure debitage.

Overall, other high-elevation, limited-use sites in the region are distinguishable from those at Taboose Pass by lower debitage densities, higher tool to debitage ratios, and possibly higher proportions of flakes related to later-stage tool production and repair. This suggests that, while many of the sites in the regional sample likely reflect the activities of hunters, those at Taboose Pass may be more related to obsidian acquisition. If the relative span of dates at these sites are taken into account, it seems the archaeological record of hunting in the alpine Sierra Nevada is longer than that of large-scale obsidian transport. However, both activities experience significant declines after ca. 2000 B.P.

As mentioned above, the decline in logistical hunting in the western Great Basin is thought to have been roughly coincident with the inception of several new settlement types. These settlements occurred in a wider variety of environments than those of earlier intervals, making it unnecessary to organize logistical hunting trips to upland areas. If a reduction in the use of logistical hunting camps in the alpine Sierra Nevada occurred after ca. 2000 B.P., then was hunting similarly transferred to other settlement categories? Answering this question is complicated by the fact that the locations of base camps used by putative Newberry period hunters in the Sierra Nevada are not known. If these sites were used by easterners, then after the abandonment of logistical camps, hunting may have been based out of summer camps, pinyon camps, or alpine villages in the Owens Valley and White/Inyo Ranges to the east. If, on the other hand, logistical hunting camps were used by westerners, then late period hunting may have been based out of more typical Sierran sites such as middle-elevation bedrock mortar sites along the western slope.

Late period hunting could have also been based out of high-elevation, intensive-use sites as defined above (Table 14, Figure 29). Although regionally, the pattern is not as apparent as at Taboose Pass, such sites seem to have been used increasingly after ca. 1500 B.P. These settlements include locations along the crest with rock rings and midden soil such as FRE-3105 and FRE-3169 at Taboose Pass, and FRE-266 near Kearsarge Pass (Mundy 1988; Roper Wickstrom 1992, 1993). Also included with intensive-use sites above 8000 feet are TUL-1250, TUL-1252, and TUL-1253, found in subalpine meadow environments further to the west. Although survey coverage in such high elevation areas is far from comprehensive, it seems pertinent to point out that all known intensive-use sites are near major passes or along well-used travel routes whereas many of the limited-use sites are in more peripheral settings.

This suggests that the late prehistoric use of upland areas of the southern Sierra Nevada was more spatially constrained and showed a greater concern for efficient access. Such a pattern may be related to a general decline in late-period mobility among groups from both sides of the Sierra crest. Earlier groups may have been more inclined to seek out hunting opportunities in more remote parts of the range while late prehistoric groups were more tethered to high-elevation settlements and travel routes. In the White Mountains, Bettinger (1994:52) describes a similar late prehistoric trend toward increased tethering of activities around alpine settlements and decreased archaeological visibility over the wider landscape.

Overall site density may also be affected by geography in the southern Sierra Nevada, with frequencies of all deposits (i.e., intensive-use and limited-use sites) decreasing in areas that are more difficult to access (cf. Burge and Matthews 2000). In alpine areas of the Great Basin, Canaday (1997) found that even in mountain ranges with large numbers of sites, the distribution of sites was patchy, leaving large areas effectively devoid of archaeological remains. It is quite possible the alpine archaeological record of the southern Sierra Nevada is similarly patchy.

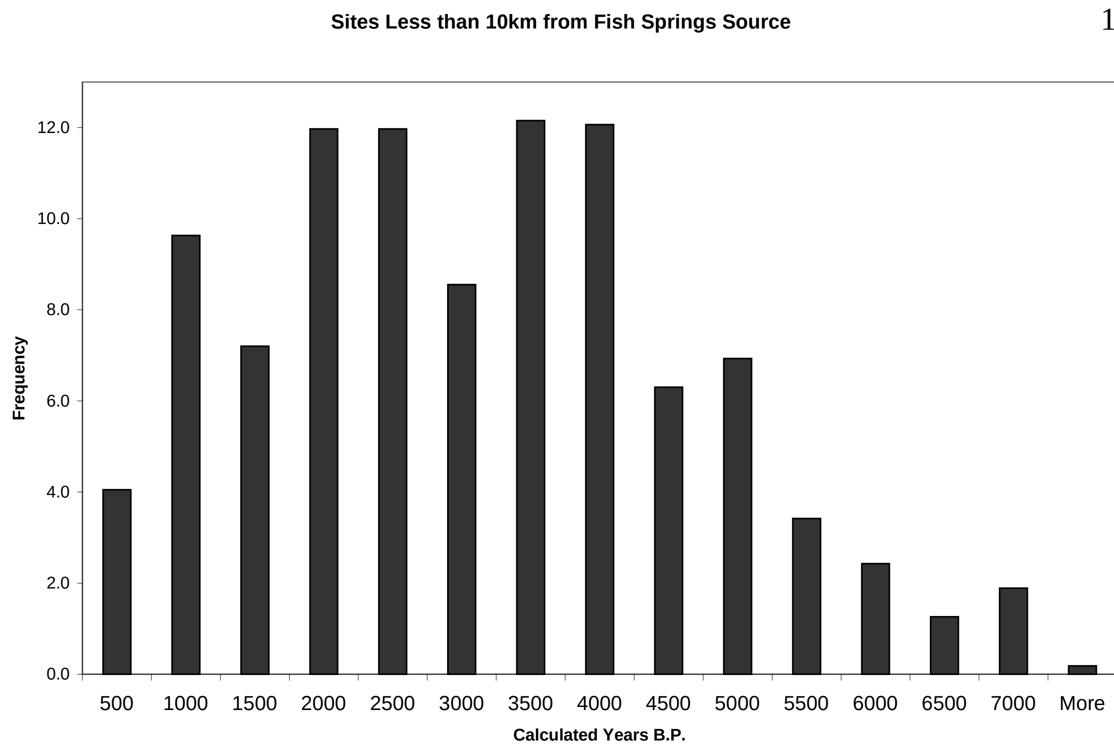
The available sample of sites examined here betrays little about large-scale spatial patterns, but evidence is provided for a shift from an earlier, spatially extensive use of the landscape followed by a later, more intensive, and spatially focused pattern. This is similar to changes observed in upland areas of the western Great Basin. Differences in limited-use sites at Taboose Pass, however, hint at additional factors unique to the area. This will be explored more fully in the following section.

Fish Springs Obsidian Use

To investigate changes in the intensity of Fish Springs obsidian use, hydration readings on debitage from sites in the immediate vicinity of the source (within a 10 km radius) were used as a proxy measure of quarrying intensity (see Figure 30). Debitage from sites in three areas further away from the source was also examined to provide a measure of the quantity of raw material transported away from the source during various time periods. These areas were defined as follows: (1) greater than 10 km from the source and within Owens Valley (see Figure 31); (2) Taboose Pass (see Figures 28 and 33); and (3) the western slope of the Sierra Nevada (see Figure 32). In all, 1790 hydration readings from 63 sites were used in the analysis of Fish Springs obsidian source use (see Appendix D for sources of data).

Several eastern Sierran obsidian sources investigated have shown similar use histories with a peak in utilization occurring between ca. 3000 and 1000 B.P. (Basgall 1983; Bouey and Basgall 1984; Gilreath and Hildebrandt 1997; Hall 1983; Jackson 1984b; Singer and Ericson 1977). Previously, production for trans-Sierran exchange was thought to be the driving force behind these production curves (cf. Singer and Ericson 1977), but many researchers currently believe that local changes in technology and land-use patterns are responsible for the increase in Newberry period quarrying (Basgall 1989; Zeanah and Leigh 2002). Newberry period foragers in the western Great Basin possessed a biface-intensive technology that required large amounts of toolstone replenished during the course of extensive seasonal movements (Basgall 1989; Basgall and McGuire 1988; Delacorte and McGuire 1993; Zeanah and Leigh 2002). Regionally, the declining demand for obsidian coincided with the abandonment of logistical hunting camps, providing evidence for the idea that Newberry period bifacial technology was designed to increase hunting efficiency (Bettinger 1999a).

According to the data examined here, the Fish Springs obsidian source shows a



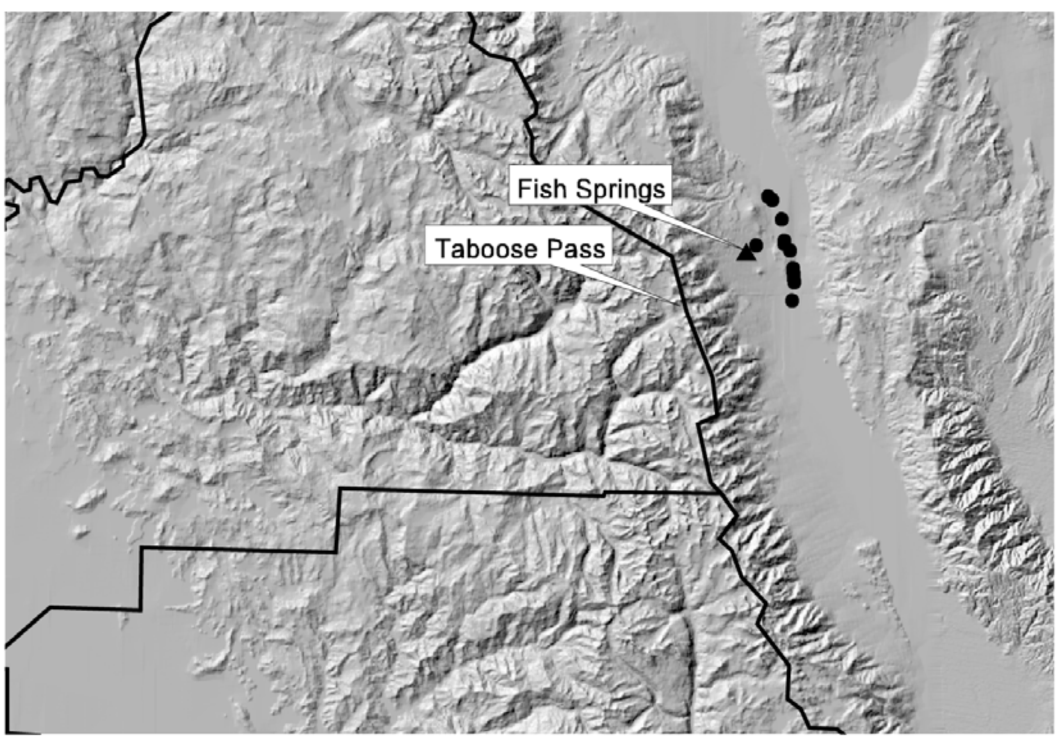


Figure 30: Obsidian hydration-derived dates on Fish Springs obsidian debitage from sites within 10 km of Fish Springs obsidian source.

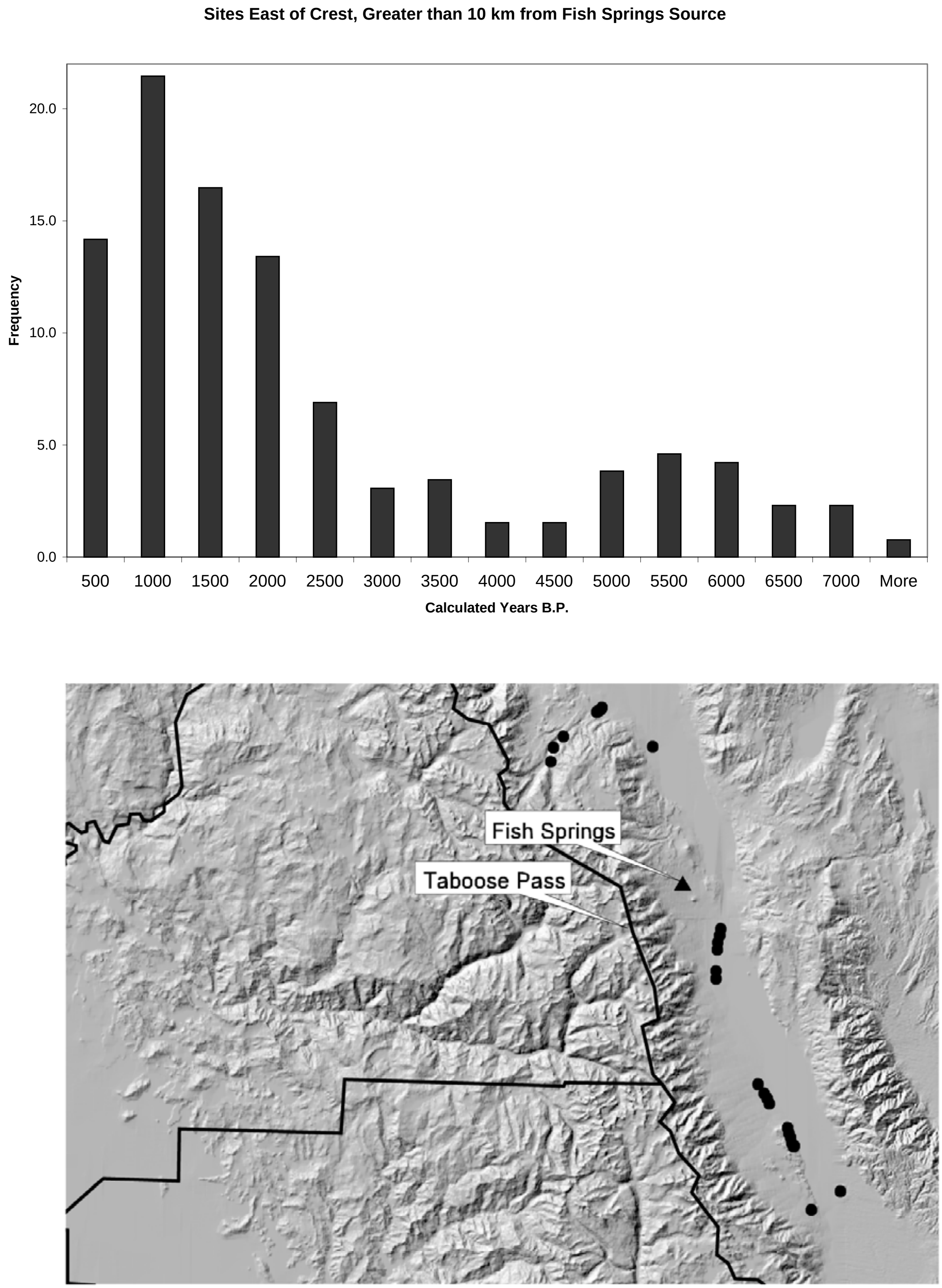
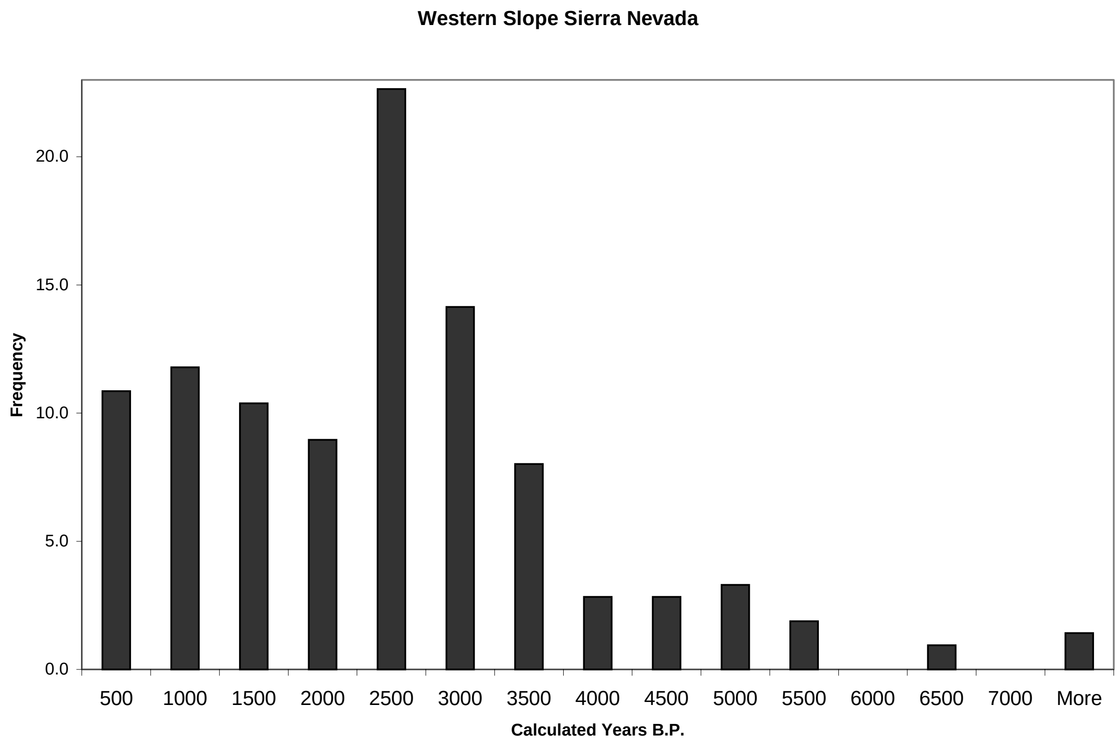


Figure 31: Obsidian hydration-derived dates on Fish Springs debitage from sites in Owens Valley greater than 10 km from Fish Springs obsidian source.



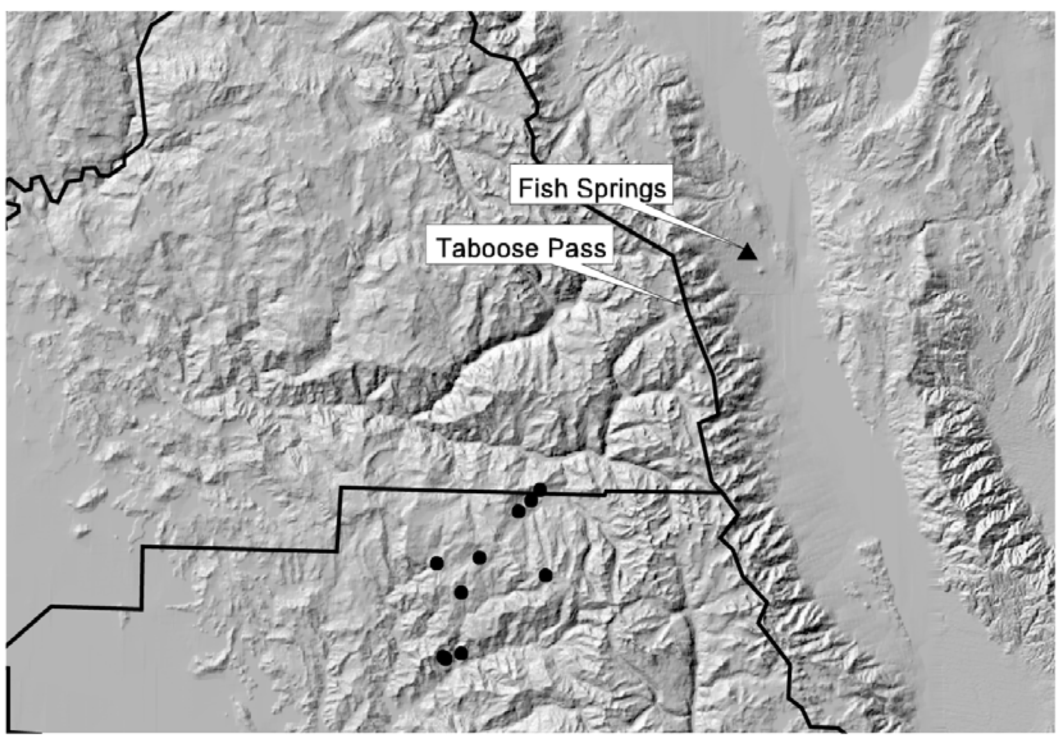
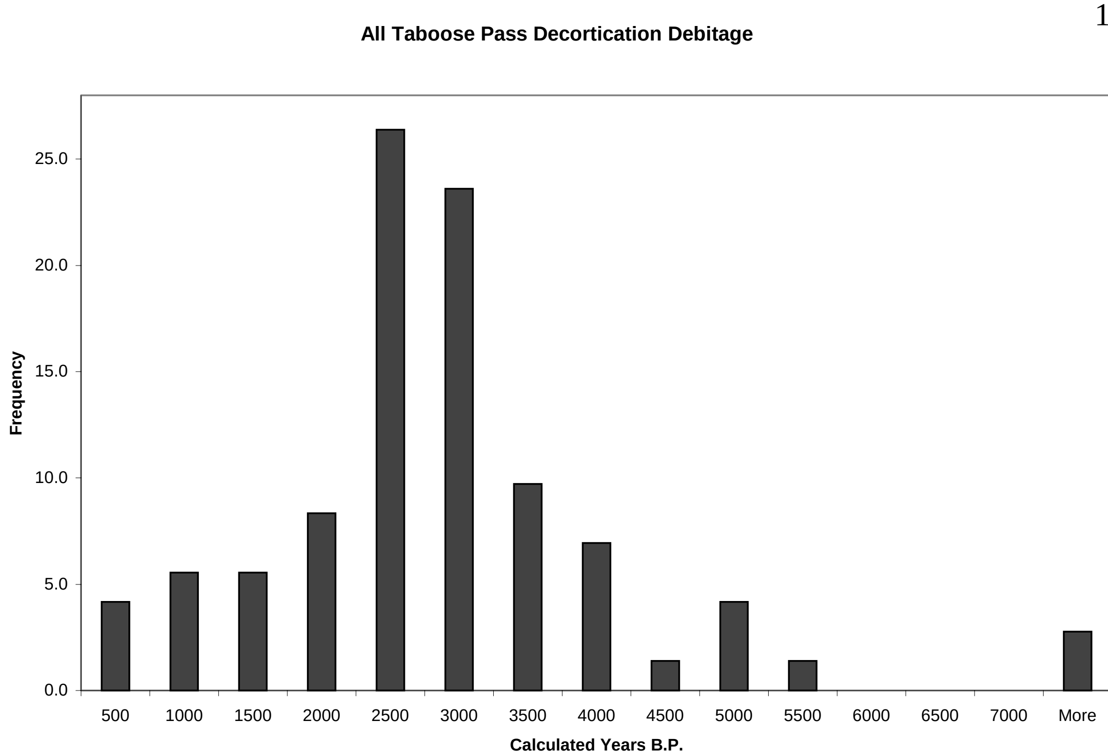


Figure 32: Obsidian hydration-derived dates on Fish Springs obsidian debitage from sites on western slope of southern Sierra Nevada.



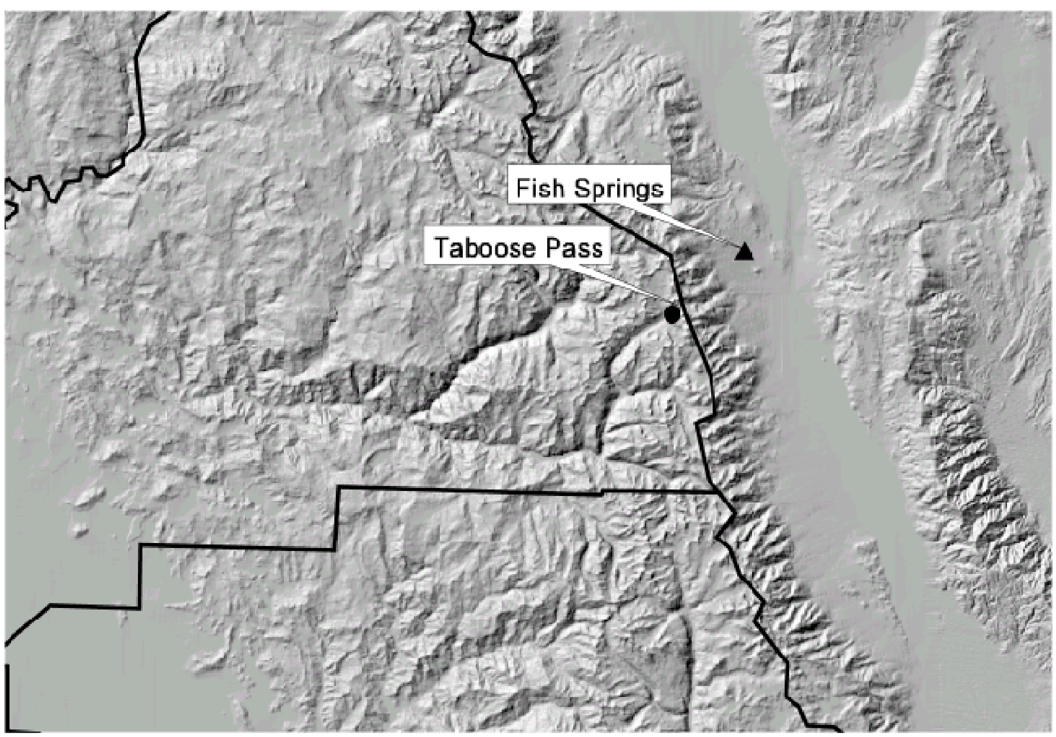


Figure 33: Obsidian hydration-derived dates on decortication debitage from Taboose Pass sites.

maximal level of exploitation during the Newberry period, but also is used heavily as far back as 4500 B.P. (see Figure 30). The production curve as constructed here also differs from others in the western Great Basin in that the use intensity does not experience a marked late period decline. Rather than exhibiting a bell-shaped curve centering on the Late Newberry and Early Haiwee periods (cf. Gilreath and Hildebrandt 1997, Figure 26d), the Fish Springs production curve appears to be trimodal, with peaks occurring during pre-Newberry, Newberry, and Haiwee/Marana periods.

The fact that the production intensity near the source appears to be basically equivalent during the pre-Newberry, Newberry, and Haiwee/Marana periods probably relates more to a decline in demand for obsidian from this particular source during the Newberry period (cf. Basgall and McGuire 1988; King et al. 2001; Zeanah and Leigh 2002) than to increased demand for it during earlier or later periods. Put another way, the fact that Newberry period populations in the Inyo-Mono region preferentially resupplied with obsidian from higher quality sources (e.g., Coso and Casa Diablo) means that the characteristic Newberry period surge in production never materialized at the Fish Springs source. Pre-Newberry and Late period source use was probably comparable to that of other eastern Sierran sources, it simply makes up a higher proportion of the total relative to use during the Newberry period.

When sites in Owens Valley greater than 10 km from the source are examined, the onset of intensive use does not occur until after ca. 2000 B.P., while on the western slope of the Sierra Nevada, the initial surge in use is recorded after ca. 3000 B.P. (Figures 28 and 31). Thus, while the source was being used locally prior to ca. 4500 years B.P., larger amounts of raw material were not being exported until after ca. 3000 B.P. In the

Owens Valley, sites away from the source show steadily increasing amounts of Fish Springs obsidian until the terminal Marana period. This late prehistoric increase in the amount of obsidian transported away from the Fish Springs source was likely the result of reduced group mobility, which limited access to more distant, higher quality sources (King et al. 2001; Zeanah and Leigh 2002).

Compared with the Owens Valley pattern, use of Fish Springs obsidian on the western slope of the Sierra Nevada is not as skewed towards the late prehistoric period (Figure 32). The interval of most intensive use is between ca. 3000 and 2000 B.P., suggesting that the demand for obsidian, low quality or not, peaked about the same time on the western slope as it did in the Inyo-Mono region. The chronology of limited-use sites at Taboose Pass supports this interpretation as well, with the greatest number of dates on debitage also falling between ca. 3000 and 2000 B.P. (see Figure 28). If only decortication debitage from all project sites is plotted, this pattern is even more apparent (see Figure 33). This provides additional evidence that limited-use sites at Taboose Pass were directly related to the movement of Fish Springs obsidian over the Sierra crest.

Evidence from Taboose Pass and the western slope of the Sierra Nevada suggests that Fish Springs obsidian, though a minor source relative to Casa Diablo and Coso, may have been locally more important to west-side groups than to east-side groups. King et al. (2001) recently presented a regional analysis of Fish Springs obsidian in the Owens Valley that showed a drop in its use relative to other sources during the Newberry period. Similarly, Zeanah and Leigh (2002) showed that the amounts of Fish Springs obsidian in assemblages from the central Owens Valley declined relative to other sources during the Newberry period. This decrease was interpreted as resulting from Newberry period logistical organization which allowed for more structured obsidian procurement from higher-quality sources (King et al. 2001:89; Zeanah and Leigh 2002:592).

A markedly different pattern was obtained from a smaller sample of obsidian debitage and tools from sites in the Kings and Kaweah River drainages on the western slope of the Sierra Nevada (see Tables 15-17). Whereas 41% of pre-Newberry artifacts are made of Fish Springs obsidian, the figure jumps up to 78% during the Newberry period. In the subsequent Haiwee period, the amount of Fish Springs obsidian drops to 43%, falling further to 36% during the Marana period. The pattern is even more apparent if only debitage is examined, with 97% of the Newberry period debitage coming from the Fish Springs source. Given the large amounts of Fish Springs obsidian debitage deposited at Taboose Pass during this interval and given the proximity of the source to the Kings and Kaweah drainages relative to Casa Diablo and Coso, it seems demand for obsidian from this source was high among people occupying the western slope despite its inferior quality.

It should be stressed, however, that the preferential use of Fish Springs obsidian was a local phenomenon, probably largely restricted to the Kings and Kaweah drainages (Roper Wickstrom 1992). Overall, Casa Diablo and Coso obsidian are dominant at most western slope localities. Still, the fact that some west-side groups seem to have obtained greater amounts of Fish Springs obsidian during the same interval when it was passed over by eastern peoples suggests that it was west-side groups who were accessing the source directly. A similar explanation was proposed by Bouey and Basgall (1984) regarding the movement of Casa Diablo obsidian over the central Sierra Nevada. In that case, however, the impetus for the movement of large amounts of obsidian into the Sierra

Table 15: Central Owens Valley: Debitage and Tools

	Fish Springs	Northern	Southern
Pre-Newberry	87	1	4
Newberry	55	29	7
Haiwee	70	13	5
Marana	80	2	5

Table 16: Western Slope of Sierra Nevada: Debitage and Tools

	Fish Springs	Casa Diablo	Coso
Pre-Newberry	41	12	47
Newberry	78	9	13
Haiwee	43	25	32
Marana	36	15	50

Note: Data from Hale and Hull 1997 (TUL-24); Jackson 1996 (TUL-72); Mundy 1991 (TUL-1227); Roper Wickstrom 1992 (TUL-1198, TUL-1231, TUL-1252, TUL-1256, TUL-1257, TUL-1258, TUL-304); only tool data used from TUL-24.

Table 17: Western Slope Sierra Nevada: Debitage Only

	Fish Springs	Casa Diablo	Coso
Pre-Newberry	80	0	20
Newberry	97	2	2
Haiwee	44	28	28
Marana	31	14	56

Note: Data from: Jackson 1996 (TUL-72); Mundy 1991 (TUL-1198); Roper Wickstrom 1992 (TUL-1198, TUL-1231, TUL-1250, TUL-1252, TUL-1252, TUL-1256, TUL-1257, TUL-304)

Tables 15, 16, 17: Percentages of Fish Springs obsidian relative to other obsidian sources in local assemblages.

Note: Central Owens Valley data from Aberdeen-Blackrock project (Zeanah and Leigh 2002). The central Owens Valley data were obtained from chronostratigaphically secure contexts, while the Sierra Nevada data are based on chronological estimates using obsdian hydration data. Northern sources include Casa Diablo, Mono Glass mountain, Mt. Hicks, and Queen). Southern source is Coso. Eastern sources include Montezuma Range, Panaca Summit, and Saline Range. A total of 23 artifacts (6 pieces of debitage, 17 tools) from western slope sites was excluded from this analysis because they were not sourced to Fish Springs, Casa Diablo, or Coso. The largest share of these excluded artifacts (10 pieces) were sourced to Mono Glass Mountain/Mono Craters, while the remainder are unknowns, likely from eastern sources (e.g., Saline Range).

foothills and Central Valley areas was thought to have been maintenance of a non-egalitarian social system requiring toolstone to make status items. While it is possible that economies were similarly non-egalitarian in the southern Sierran foothills between ca. 3500 and 1350 B.P. (cf. Moratto 1972), it does not seem necessary to invoke status differentiation to explain the increased demand for obsidian. Instead, it is possible that the toolstone requirements of a logistically organized subsistence-settlement system would be reason enough to seek out even relatively distant sources of marginal-quality lithic material.

Unlike the Inyo-Mono region, the southern Sierra Nevada was toolstone poor, meaning that west-side groups did not have the luxury of resupplying at several high-quality obsidian sources during the course of annual settlement movements as eastern peoples did (Basgall 1989). Moreover, both residential and logistical movements along the western slope are likely to have been east-west rather than north-south due to the deeply incised canyons that hinder travel between drainages. In this case, it seems plausible that logistical forays would have been an efficient way to obtain toolstone.

Assuming upland areas were already being used for logistical hunting during the summer season, west-side groups would have been strategically positioned to make the trip over the crest when passes were free of snow. Alternately, small hunting parties could have informally exchanged various commodities, including obsidian, with eastern peoples, but such contacts would not have been predictable given the mobility and generally low population densities thought to characterize the Newberry period in the Owens Valley (Basgall 1989; Basgall and McGuire 1988; Bettinger 1999a; Bouey and Basgall 1984; Delacorte 1990).

Further evidence for west-side groups accessing Fish Springs obsidian directly comes from limited-use sites at Taboose Pass, where high debitage densities and high percentages of cortical debitage are indicative of the initial stages of obsidian reduction rather than tool maintenance and production as would be expected at hunting camps. That the interval of greatest debitage deposition corresponds with the interval of greatest Fish Springs obsidian usage on the western slope lends further support to the argument (see Figures 28, 32, and 33). Such sites may represent overnight camps were logistical parties lightened their loads on the way back to western slope locations after brief visits to the Fish Springs source. The amounts of cortical debitage left at the pass may indicate that insufficient time was spent at the actual source to properly assay and prepare material for transport. Perhaps this was due to concerns about staying too long in foreign territory, or maybe such trips were kept as short as possible due to other important activities scheduled during the summer months. The small size of Fish Springs obsidian nodules may have also contributed to the amount of cortical debitage present.

The Fish Springs source is situated in a prime geographic location for access from the west side, being very close to the crest and close to Taboose Pass, a major natural pass located along an ethnographically-documented trans-Sierran travel route (Gayton 1948; Steward 1933). For groups in the Kings and Kaweah draianges, accessing other obsidian sources in the region (i.e., Casa Diablo, Coso, and the Saline Range) would have not only involved longer travel distances, but would have also required longer stays in unfamiliar east-side territory.

Despite the generally inferior quality of Fish Springs obsidian, direct access of this material by west side groups would have been a viable strategy for providing themselves with a predictable source of toolstone. The evidence from Owens Valley suggests that during the Newberry period, east-side groups preferentially used other, higher-quality sources, meaning they would have lacked an incentive to defend Fish Springs. Moreover, the mobile nature of the Newberry settlement system would have probably precluded any such defense (cf. Bouey and Basgall 1984). West-side populations during this interval, though poorly understood, may have been characterized by a logistically-organized subsistence-settlement system based in the lower foothills. Within such a system, logistical organization would have characterized not only hunting, but the acquisition of many other resources, including toolstone (cf. Bettinger 1999a; King et al. 2001). This is not to say that toolstone and other commodities were not regularly, if informally, exchanged between east-side and west-side groups during this interval (Delacorte and McGuire 1993:283). Given the unpredictability of such encounters, however, the occasional logistical acquisition of toolstone by west-side groups would have helped ensure consistent supplies of raw material.

Summary and Implications

This comparison of the Taboose Pass archaeological record with the surrounding region has provided some insights as to how, and why this area was used prehistorically. First, bedrock mortar sites along the western slope show a pattern of greater and more intensive use of upland areas later in prehistory. Second, although logistical hunting appears to be well-represented in subalpine and alpine Sierran contexts prior to ca. 2000 B.P., a decline is noted after ca. 2000 B.P. Third, use of the Fish Springs obsidian source seems to have differed among populations living on either side of the crest.

The data from bedrock mortar sites suggest late prehistoric groups along the western slope underwent a settlement shift involving greater numbers of smaller seasonal settlements, many of them in upland areas. This might have spread the population out over the landscape seasonally as acorns and other plant foods were exploited. Hunting and other activities that were previously accomplished by logistic parties emanating from the lower foothills may have been largely conducted out of these seasonal settlements instead. The fact that many of these settlements appeared in the higher elevations above snowline indicates that populations were more intensively using more marginal, or at least more seasonally restrictive, environments later in prehistory.

This pattern is also evident among high-elevation sites in the region, with intensive-use sites generally dating later than limited-use sites. Although the regional sample is small, these results show that the differences between the early and late prehistoric pattern at Taboose Pass are also present in the general region. This suggests the archaeological record at Taboose Pass may reflect broad similarities present at other high elevation areas of the southern Sierra Nevada. A comparison of sites at Taboose Pass to others in the region has also brought to light some important differences.

First, the limited-use sites at Taboose Pass differ from others in the region in featuring higher debitage densities, greater amounts of cortical debitage, and a greater share of obsidian hydration readings dating to the Late Newberry period. These differences are interpreted here as evidence that limited-use sites at Taboose Pass are related more to obsidian procurement than hunting. When patterns of the exploitation of the Fish Springs obsidian source are taken into account, it seems likely that these dense lithic scatters at Taboose Pass were the result of west-side groups accessing the source directly. Other limited-use sites in the region may instead be related to logistical hunting, probably by groups from both sides of the crest.

The second difference between the Taboose Pass archaeological record and the region at large involves the presence of intensive-use sites. These sites do not appear to be common in high elevation areas of the southern Sierra Nevada. Where they are found, they seem to be mainly associated with major passes and travel routes. This suggests that the late prehistoric use of the alpine and subalpine zones was more spatially constrained and occurred in places where access was not difficult. Assuming that mobility decreased among both east-side and west-side groups later in prehistory, groups on both sides of the crest would be more likely to exploit high elevation areas in close proximity to their core territories. High-elevation areas along the crest, then, may have been used mainly by easterners, while those further to the west were used by westerners.

There is reason to believe, however, that the late prehistoric use of high-elevation areas was more complicated than described above. For example, evidence from the Owens Valley suggests interactions between groups from both sides of the crest increased in later prehistory, especially after ca. 650 B.P. (Basgall and McGuire 1988; Milliken 1999). If this were the case, then the location of high-elevation intensive-use sites along major travel routes may be significant. It could be that the more intensive use of certain high-elevation areas later in prehistory was related to travel between Owens Valley and the western slope for trade and the maintenance of social ties. During such trips, small groups of people, possibly entire family bands, may have occasionally exploited high-elevation resources during extended stays along the way. In this scenario, groups from either side may have used such high-elevation sites.

Archaeological evidence from high-elevation sites, though not unambiguous in regards to cultural affinity, seems to be weighted toward use of the crest by east-side groups in late prehistory. For example, ground stone implements found at these sites, consisting of minimally modified millingslabs and handstones, are more characteristic of late prehistoric Owens Valley assemblages than those from the western slope. Also, one handstone fragment from FRE-266 is made of vesicular basalt, probably from east of the crest (Mundy 1988). While the steatite vessel fragments found at FRE-3105 are characteristic of western slope sites, they are also found at sites in the Owens Valley, meaning no particular cultural significance can be ascribed to these artifacts. Flaked stone material sources at Taboose Pass intensive-use sites may provide additional links to east-side groups. In particular, the diversity of toolstone sources present among late prehistoric projectile points suggests an east-side affiliation. Obsidian from Fish Springs, Casa Diablo, Truman Queen, Bodie Hills, Mount Hicks, and green-gray chert (possibly from the Last Chance Range), are all represented in the small sample of 16 points. Conspicuously missing in the collection is obsidian from the Coso Volcanic Field, despite its prevalence in collections from both the southern Owens Valley and the Kaweah River drainage. If the sample is expanded to include late prehistoric projectile points from the Owens Valley, Sierra crest, and western slope localities, the source diversity along the crest more closely parallels that in the Owens Valley (see Table 18). Speculatively, cultural affiliations of late prehistoric groups using Taboose Pass were to the east and north, rather than to the south or west.

Although preliminary in nature, data examined here suggest cultural and/or geographic affiliations of groups using Taboose Pass may have varied through time,

Table 18: Obsidian Source Profiles of Late Period Projectile Points

	CD	%	FS	%	CS	%	TQ	%	BH	%	MH	%	SV	%	MG	%	Total
Western Slope																	
Rose Spring	-	-	1	11	8	89	-	-	-	-	-	-	-	-	-	-	9
Desert Series	20	28	23	32	23	32	3	4	-	-	-	-	-	-	2	3	71
Total	20	**25**	24	**30**	31	**39**	3	**4**	-	-	-	-	-	-	2	**3**	80
Sierra Crest																	
Rose Spring	2	14	8	57	1	7	2	14	-	-	-	-	-	-	1	7	14
Desert Series	1	8	5	42	-	-	3	25	1	8	1	8	1	8	-	-	12
Total	3	**12**	13	**50**	1	**4**	5	**19**	1	**4**	1	**4**	1	**4**	1	**4**	26
Owens Valley																	
Rose Spring	2	11	6	32	4	21	4	21	-	-	-	-	3	16	-	-	19
Desert Series	3	33	-	-	3	33	1	11	-	-	-	-	1	11	1	11	9
Total	5	**18**	6	**21**	7	**25**	5	**18**	-	-	-	-	4	**14**	1	**4**	28

Note: Only specimens sourced by XRF included. Western slope data includes specimens from Foster and Kaufman 1991, Goldberg and Moratto 1984, Hale and Hull 1997, Holson 1996, Roper Wickstrom 1992, Wickstrom et al. 1991. Sierra crest data from present study and Roper Wickstrom 1992. Owens Valley data from Basgall and Richman 1998, Bettinger et al. 1984, Burton 1986, Gilreath and Nelson 1999, Wickstrom et al. 1994, York 1988.

probably as a result of changes in mobility strategies, demand for toolstone, and subsistence-settlement systems on both sides of the crest. Additionally, the types of activities represented, and the intensity of occupation at Taboose Pass and other high-elevation areas, were probably also affected by these changes. In general, Taboose Pass, and other high-elevation areas were likely used by small logistical hunting parties throughout the Newberry period and earlier. During the Late Newberry period, Taboose Pass may have been used increasingly by west-side groups accessing Fish Springs obsidian directly from the source. Sometime after ca. 2000 B.P., these earlier patterns seem to break down and new settlement types, including middle-elevation bedrock mortar sites and high-elevation intensive-use sites appear to have been initially occupied.

Overall, this regional exploration has shown that large-scale adaptive shifts documented in the western Great Basin may have their counterparts in the southern Sierra Nevada. The broad similarities between archaeological patterns at Taboose Pass and the region as a whole illustrate the similarities between the archaeological record of the Sierra crest and the western Great Basin. At the same time, however, it is apparent that the unique position of Taboose Pass between two very different cultural and natural areas produced an archaeological record shaped by changes along the western slope of the Sierra Nevada as well.

CHAPTER 7

SUMMARY AND CONCLUSIONS

Chronology

Sites examined for this study provided chronological information in the form of time-sensitive artifact types, obsidian hydration readings, and a single radiocarbon determination. Obsidian hydration data suggest a span of occupation at Taboose Pass between ca. 5500 B.P. and historic contact. Archaeological remains are attributable to the pre-Newberry (prior to 3500 B.P.), Newberry (3500-1350 B.P.), Haiwee (1350-650 B.P.), Marana (650 B.P.- Historic Contact), and Protohistoric periods.

Little can be said about the use of Taboose Pass prior to 3500 B.P. This interval is indicated largely by obsidian hydration readings on debitage, with the greatest number occurring at FRE-3160. After ca. 3500 B.P., large amounts of obsidian debitage appear to have been deposited at limited-use sites (FRE-3102, FRE-3160, and FRE-3165). To the extent that debitage densities can be said to reflect use intensity, Taboose Pass was probably visited regularly between ca. 3000 and 2000 B.P.

According to obsidian hydration readings, Taboose Pass saw little use between the Late Newberry and early Haiwee periods. Hydration data suggest this hiatus occurred between ca. 2000 and 1000 B.P., but these dates should be used only as a general guide.

At FRE-3105, obsidian hydration readings, Rose Spring and Desert series projectile points, and a radiocarbon determination of 1190 ± 60 B.P. indicate renewed occupation sometime after ca. 1350 B.P. This last period of more intensive use spans the

Haiwee and Marana periods. Evidence for use after ca. 1350 B.P. is abundant at all three intensive-use sites (FRE-3105, FRE-3163, and FRE-3169).

In summary, only scattered evidence in the form of obsidian hydration readings on debitage marks use of the Taboose Pass area prior to 3500 B.P. The greatest number of pre-3500 B.P. readings comes from FRE-3160, but sites FRE-3102 and FRE-3165 also exhibit a small number of readings attributable to this time period. During the Newberry period (3500-1350 B.P.), large amounts of debitage were deposited at limited-use sites (FRE-3102, FRE-3160, and FRE-3165). Use is also documented at FRE-3163 and FRE-3169 during this interval. Between ca. 2000 and 1000 B.P., most sites were apparently little used or use shifted elsewhere. Sometime after 1350 B.P., renewed occupation is evident at intensive-use sites (FRE-3105, FRE-3163, and FRE-3169). In particular, rock ring features at FRE-3105 and FRE-3169 exhibit hydration rims and projectile point forms indicating occupations post-dating 1350 B.P. The only evidence of protohistoric use of the area consists of two glass trade beads recovered from FRE-3105.

Site Function

Each of the six sites sampled for this thesis were classified as either limited-use, or intensive-use sites, according to the types/numbers of artifacts and features present. This classification scheme likely obscures some of the variability present at these sites, but the emphasis on these two general poses facilitates comparisons with other sites in the region.

Sites classified as limited-use sites included FRE-3102, FRE-3160, and FRE-3165. These three sites all consist primarily of obsidian debitage formed by secondary reduction of Fish Springs obsidian core masses. While a single projectile point was recovered at FRE-3160 and milling equipment is noted at FRE-3102, overall tool to debitage ratios are low and the bulk of activities represented seems to have revolved around the reduction of obsidian core masses. There is little evidence for long-term habitation at these sites as both midden soil and house features are lacking. Taken together with data from regional comparisons, these attributes suggest limited-use sites at Taboose Pass were temporary camps or brief resting places used by groups transporting obsidian to west-side localities. Based on comparisons between the use of Fish Springs obsidian on either side of the crest, it is further argued that such sites are the result of logistically-organized west-side groups accessing the source directly.

Of the intensive-use sites, two sites in particular (FRE-3105 and FRE-3169) provided particularly rich and varied assemblages given the high elevation setting. Activities represented at these sites include seed processing, hunting, tool maintenance and repair, and other less specific tasks. The combination of structural remains with midden soil and milling equipment suggests these sites were camp locations where small groups stayed for several weeks at a time hunting large and small game and supplementing their diets with both locally available plant foods and possibly imported foodstuffs as well. Similar sites in the White Mountains have been described as “alpine villages” by Bettinger (1991a). The term “village” clearly overstates the residential nature of the sites at Taboose Pass, but they do share many attributes and are chronologically equivalent to sites in the White Mountains.

The third intensive-use site was FRE-3163. This site exhibited midden soil surrounding a large glacial erratic, but no rock rings and no ground stone artifacts were noted. The site contains large amounts of obsidian debitage, but also appreciable numbers of tools such as late stage bifaces and simple flake tools. Although additional work is probably necessary to understand the functional role of this site, it may represent a slightly earlier, less elaborate manifestation of the intensive-use pattern.

Obsidian Acquisition and Use

The sites at Taboose Pass that related most to obsidian acquisition and use are the limited-use sites FRE-3102, FRE-3160, and FRE-3165. As described above, these sites exhibit large amounts of cortical debitage dating primarily between ca. 3000 to 2000 B.P.

It is difficult to make definite statements concerning the nature of obsidian acquisition and use based on a small number of sites on the Sierra Nevada crest. However, the location of these sites along a major east-west travel route suggests that material not left behind (e.g., cores, early stage bifaces) at Taboose Pass made its way west into the Sierra Nevada foothills. The preferential use of Fish Springs obsidian at certain sites on the western slope during the interval of greatest debitage deposition at Taboose Pass suggests obsidian was accessed directly by west-side groups.

Direct access of Fish Springs obsidian may have been an efficient and reliable strategy for west-side groups to obtain toolstone between ca. 3000-1400 B.P. During this interval, west-side groups were probably based out of large villages in the lower foothills. Resources from a wide surrounding area would have been regularly brought back to village locations by logistical parties exploiting specific plant and animal foods as they became available. The direct access of Fish Springs obsidian may have been similarly accomplished by targeted logistical forays. Later in prehistory, reduced mobility and territorial circumscription may have motivated a shift to trade with east-side groups as the most viable strategy for obtaining toolstone. This change is likely marked at Taboose Pass by the greatly reduced amount of cortical debitage dating after ca. 2000 B.P.

Marginal Environments, Travel Routes, and Alpine Land Use

By almost any measure, Taboose Pass is a marginal environment. There are few resources available, access is seasonally restricted, and large amounts of energy must be expended to reach the area. Marginal environments have attracted the attention of archaeologists in the Great Basin because it is believed land-use changes in these areas may be more apparent than in more permissive environments (cf. Basgall and Giambastiani 1995). In order to understand how Taboose Pass fits in with the archaeology of the region at large, the characterization of this area as a marginal environment must be explored further. Because marginality is a relative concept (cf. Basgall and Giambastiani 1995), a host of other factors beyond environmental productivity must be taken into account when examining why an area was used prehistorically. These factors include the productivity of surrounding environments, seasonal changes in resource availability, ease of access, and scheduling conflicts. While truly bountiful environments will nearly always be exploited and truly marginal environments will be avoided at all costs, many places fall somewhere in between and can be expected to be used occasionally as circumstances permit/demand.

The fact that Taboose Pass has an archaeological record at all indicates that prehistoric populations did not shun the place entirely. On the other hand, the fact that the late prehistoric archaeological record of the White Mountains is considerably richer suggests the environment there was more permissive. Does this mean that the alpine Sierra Nevada is more marginal than the White Mountains, or are other factors at work? Environmental differences alone probably do not explain the differences in the prehistoric use of these two areas any more than they explain why alpine villages are found in the White Mountains, and not in most other similar ranges across the Great Basin. The patchy record of alpine land-use, particularly in later times, suggests regional variability in subsistence-settlement systems may have had an important effect on the degree and character of alpine land-use throughout prehistory. How alpine areas were used may have more to do with developments in core lowland areas than with intrinsic qualities of the uplands. In other words, people may not have been drawn to alpine environments, but pushed.

The late prehistoric pattern in the White Mountains is thought by Bettinger to have been related, in part, to regional population growth (Bettinger 1991a; 1994). As populations increased, greater reliance on pinyon may have allowed people to bank on winter stores during good pinyon years after a summer of exploiting alpine environments. Unused pinyon caches may have also been used by groups inhabiting alpine villages when alpine resources were scarce (Bettinger 1991a). Bettinger also sees the proportional increase in marmot remains over mountain sheep in village versus pre-village faunal profiles as evidence for an intensification in the use lower-quality, but abundant resources. Overall, the inception of intensive alpine plant procurement is seen by Bettinger as indicating an unfavorable balance between population and resources (Bettinger 1994:51). As discussed earlier, the traveler-processor model predicts population growth should result in a similar process of intensification (Bettinger and Baumhoff 1982; Bettinger 1994; Bettinger 1999a).

Why then, were alpine areas of the Sierra Nevada apparently not used as intensively despite their position between two areas with dense prehistoric populations? The answer may lie in a combination of geographic variables and the nature of late prehistoric subsistence-settlement systems on either side of the range. Regarding geography, Muir (1894) captured best the differences between crossing the Sierra crest from the east versus the west:

> Approaching the range from the gray levels of Mono and Owen's Valley on the east, the traveler sees before him the steep, short passes in full view, fenced in by rugged spurs that come plunging down from the shoulders of the peaks on either side, the courses of the more direct being disclosed from top to bottom without interruption. But from the west one sees nothing of the way he may be seeking until near the summit, after days have been spent in threading the forests growing on the main dividing ridges between the river cañons (Muir 1894:80).

A discussed earlier, late prehistoric populations to the east of the Sierra crest relied heavily on pinyon as a dietary staple while those west of the crest relied on acorns. West-slope populations exploiting acorns would have ranged into the middle elevations, but the distance to the alpine zone was still considerable given the presence of deeply-incised canyons and the more gradual elevational gradient west of the crest. In contrast, the Sierra crest is very close to probable Owens Valley population centers, but the most important areas for pinyon exploitation are to the east in the White-Inyo Range. This means that east-side populations would find it more difficult to rely on pinyon stores, as Bettinger (1991) proposes for the White Mountains, if they chose to exploit the Sierran alpine zone.

Although regional population increase and the process of resource intensification are probably related to use of the Sierran alpine zone, especially in the late period, it is also important to consider the effects of interregional travel and trade. In the case of Taboose Pass, it is likely that its location along a major travel route explains the richness of the archaeological record when compared to other high-elevation areas in the southern Sierra Nevada (cf. Burge and Matthews 2000). The fact that the Sierra Nevada divided two very different cultural and natural areas probably encouraged interaction between these two regions, despite the difficulties of traveling between them.

When travel over the Sierra Nevada is taken into account, it is important to consider the most efficient routes for crossing the crest. Between Taboose Pass and Kearsarge Pass, 20 miles to the south, a single crest divides the east from the west. South of these corridors, travel across the crest was difficult until Walker Pass, some 70 miles to the south. In between Kearsarge Pass and Walker Pass, the north-south trending Kern River canyon splits the crest in two and the Great Western Divide runs parallel to the main crest on the west side of the canyon. Consequently, travel through the Sierra Nevada south of Kearsarge Pass involves crossing two major crests through very rugged territory. This suggests the majority of contacts in this area between east and west side probably occurred via the Kings River drainage. Much of this travel would have been funneled over Taboose Pass.

The amount of energy invested in traveling to (or through) the alpine zone of the Sierra Nevada would have been constrained by land-use practices prevalent at any one point in prehistory. Prior to ca. 1350 B.P., for example, contact between these two regions may have been frequent, but informal, as small groups moved through the upper elevations in search of game or to obtain obsidian or other resources not available in their core areas. Mobility was higher during earlier prehistory too, meaning long-distance travel may not have been as much of a hardship.

During the late prehistoric period, travel over the Sierra crest may have been important for trade, especially as territories of neighboring groups on either side of the crest became constricted, limiting direct access to resources. Trade may have become more important in later prehistory simply due to the increasing focus of groups on lower-ranked plant resources procured from smaller annual ranges. In particular, the development of extensive pinyon exploitation in the east and the increasing importance of the acorn in the west meant that groups on either side of the Sierra Nevada were more tethered to smaller territories. If this were the case, more formalized trade contacts with neighboring peoples would have been an efficient way to obtain resources not present in core areas. Trade and travel between the Owens Valley and western slope would have also helped to maintain social ties between these two regions.

If only "hurried trips" (cf. Steward 1933:257) were made across the Sierra Nevada, however, intensive-use sites would probably not exist in alpine areas and this whole discussion would be unnecessary. That such sites do exist illustrates the tendency of late prehistoric groups to extract what they could from even marginal parcels of land. That these sites seem to be concentrated along major travel corridors suggests the use of such areas, even by late prehistoric populations, was only worthwhile if access was relatively easy and if something could be gained through interaction with people from the opposite side of the Sierra crest.

Conclusions

Through a combination of surface collection, limited test excavation, and regional comparisons, the archaeological record of Taboose Pass has been interpreted in terms of regional archaeological patterns. The earliest use of Taboose Pass is documented by obsidian hydration starting sometime prior to 3500 B.P. Better evidence of use is present after ca. 3500 B.P., when limited-use sites were apparently used during short-duration trips into the high country, possibly by west-side groups, to obtain obsidian. This pattern seems to break down by ca. 2000 B.P. After ca. 1350 B.P., a more intensive use of Taboose Pass involving longer stays and a wider range of activities is apparent.

When compared to regional developments, archaeological patterns at Taboose Pass are generally consistent with changes in land-use practices and subsistence-settlement systems documented for both the western Great Basin and the western slope of the Sierra Nevada (see Table 19). Specifically, evidence for logistically-organized populations with a toolstone-intensive technology prior to ca. 1350 B.P. is evidenced by large, dense lithic scatters at Taboose Pass. High elevation hunting is documented elsewhere in the southern Sierra Nevada during this period. After ca. 1350 B.P., trips to Taboose Pass occasionally involved extended stays involving the exploitation of local plant and animal resources. This pattern echoes other examples of late prehistoric use of marginal areas in the western Great Basin and possibly elsewhere in the southern Sierra Nevada during this general time period (Basgall and Giambastiani 1995; Bettinger 1991a; Delacorte 1990).

A better understanding of these and other patterns will be possible as additional work is conducted in high-elevation settings. In particular, future studies should focus on

Table 19: Summary of Regional Prehistoric Changes

Western Slope	**Sierra Crest**	**Eastern Sierra Nevada**
ca. 650 B.P.-historic contact •Renewed/more intensive use of lower foothills •More trade with east and west •Higher population densities •Continued intensive use of middle/high elevations	**ca. 650 B.P.-historic contact** Taboose Pass •Continuation/elaboration of previous pattern General • Intensive-use sites near major passes and travel routes	**ca. 650 B.P.-historic contact** •Continuation/elaboration of previous pattern •More extensive trade with west •Higher population densities
ca. 1350-650 B.P. •Intensive acorn use begins •Introduction of bow and arrow •Greater use of higher elevations •Less intensive use of lower elevations	**ca. 1350-650 B.P.** Taboose Pass •Initial occupation of intensive-use sites •Decreased use of limited-use sites General •Intensive-use sites near major passes and travel routes •Decline in logistical hunting	**ca. 1350-650 B.P.** •Intensive pinyon use begins •Introduction of bow and arrow •More intensive use of marginal environments •Decline in upland logistical hunting
ca. 3500-1350 B.P. •Large lowland villages •Logistically organized subsistence-settlement system •East-west (upslope-downslope) mobility •Toolstone-intensive technology •Logistical hunting in uplands	**ca. 3500-1350 B.P.** Taboose Pass •Greatest use of limited-use sites (obsidian procurement by western slope groups) General •Abundant lithic scatter sites along travel routes and in peripheral areas (logistical hunting by eastern and western groups)	**ca. 3500-1350 B.P.** •Mobile, logistically organized subsistence-settlement system •Toolstone-intensive technology •North-south mobility •Logistical hunting in uplands

Sources of information: Western slope –Moratto 1972; Moratto et al. 1988; present study. Sierra Crest – present study. Eastern Sierra Nevada –Basgall 1989; Basgall and McGuire 1988; Bettinger 1977, 1989, 1999a; Delacorte 1990, 1999.

understanding the nature of early prehistoric use of the high country. Indications are that prior to ca. 2000 B.P., the upland areas were used extensively, leaving a highly visible archaeological record that has only been tentatively explored. Additional large-scale surveys will likely be informative by identifying areas peripheral to passes and travel routes where the archaeological record is likely to be less complex. The late prehistoric record should also be explored, particularly by investigating other high-elevation intensive-use sites and middle-elevation bedrock mortar sites. It is at these locations where the late prehistoric pattern is likely to stand out from the background noise of earlier occupations. Lastly, our understanding of land-use changes and chronology in the southern Sierra Nevada would benefit greatly from a re-evaluation of collections from important lowland sites such as Greasy Creek (Pendergast and Meighan 1959) and Hospital Rock (Von Werlhof 1960).

Because the Sierra Nevada alpine zone is located between the western Great Basin and California, developments in both areas are likely to have affected how it was used prehistorically. This study has shown that the archaeology of the alpine Sierra Nevada is not only similar to the archaeology of the Great Basin, it is part of it. It is also a fundamental part of the archaeology of California proper. As further information regarding prehistoric use of high-elevation areas of the Sierra Nevada is accumulated, a better understanding of prehistoric land-use practices in both regions will be gained.

Appendix A

OBSIDIAN HYDRATION AND SOURCING ANALYSES

Northwest Research Obsidian Studies Laboratory
1414 NW Polk ■ Corvallis, OR 97330 USA
Voice: (541)754-7507 ■ Fax: (541)753-2420
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January 18, 2001

Ward Eldredge
Sequoia National Park
Ash Mt. Supply Center
Three Rivers, CA 93271

Dear Ward,

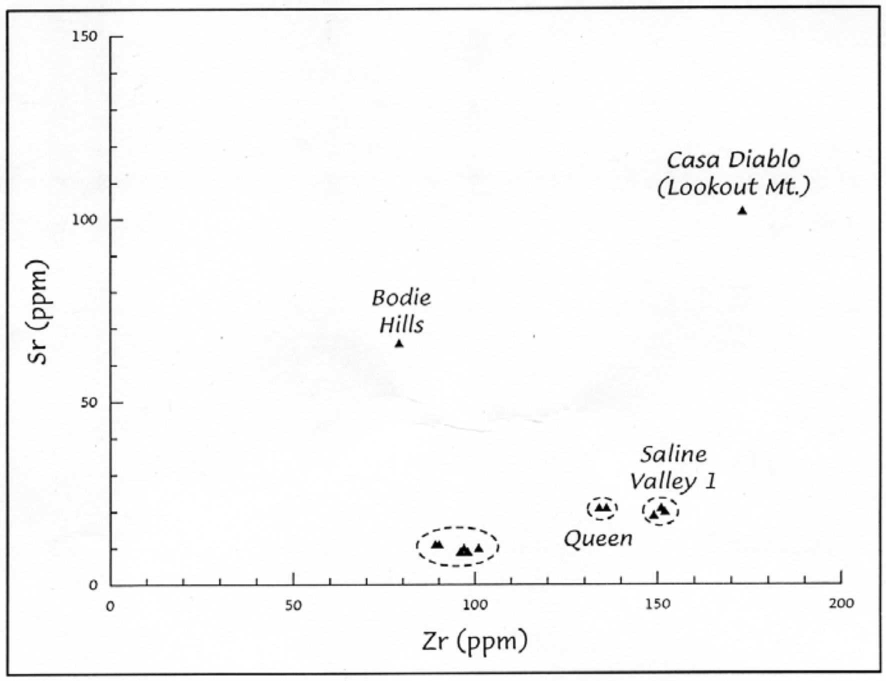
Enclosed are the final report and data disk outlining the results of the X-ray fluorescence analysis of the 15 obsidian artifacts from the Taboose Pass area, Kings Canyon National Park, California. The samples were prepared and analyzed at the Northwest Research Obsidian Studies Laboratory under the accession number 2000-76. Your artifacts are also enclosed.

Given the site locations and the relatively small number of samples, there's a fair amount of diversity present among the obsidian sources that were used at the Taboose area sites. Of course, the selection of projectile points - the class that almost always yields the greatest source diversity - probably had something to do with that. I figured that we'd run across Fish Springs and Queen obsidian, but wasn't sure what else we might see. The Saline Valley 1 material (there are three geochemical varieties) is the same source as the one that Richard Hughes used to call the Queen Imposter - it's very similar in composition to the Queen material and the primary source was only firmly identified last year. I've been working with Lynn Johnson, a grad student who is studying this source, and was on the lookout for any of this source material that might slip into your collection.

If you have any questions about the sources or the analyses, be sure and let me know.

Yours,

Craig E. Skinner
Obsidian Studies Laboratory Program Director



Sr (ppm)
150
100
50
0
Casa Diablo
(Lookout Mt.)
Bodie
Hills
Saline
Valley 1
Queen
0
50
100
150
200
Zr (ppm)

Northwest Research Obsidian Studies Laboratory

Table A-1. Results of XRF Studies: Seven Sites in the Taboose Pass Area, Kings Canyon National Park, California

	Specimen		Trace Element Concentrations											Ratios		
Site	No.	Catalog No.	Zn	Pb	Rb	Sr	Y	Zr	Nb	Ti	Mn	Ba	$Fe_2O_3^T$	Fe:Mn	Fe:Ti	Artifact Source
CA-FRE-3105	1	Artifact D	93	49	218	10	30	97	45	533	696	NM	0.57	8.4	37.9	Fish Springs
			± 5	3	3	7	3	5	2	84	58	NM	0.11			
CA-FRE-3105	2	Artifact K	33	27	118	66	6	79	14	167	153	403	0.11	17.0	34.4	Bodie Hills
			± 6	4	3	7	3	6	2	84	58	20	0.11			
CA-FRE-3105	3	Artifact O	69	56	234	9	31	98	45	397	574	NM	0.45	8.6	41.8	Fish Springs
			± 5	4	3	7	3	5	2	84	58	NM	0.11			
CA-FRE-3105	4	Artifact V	57	41	192	11	30	89	40	155	307	NM	0.17	8.6	49.3	Fish Springs
			± 6	4	4	7	3	6	2	84	58	NM	0.11			
CA-FRE-3106	5	CA-FRE-3106-1	57	32	177	20	34	152	39	848	428	NM	0.87	21.4	35.3	Saline Valley 1
			± 5	3	3	7	3	5	2	85	58	NM	0.11			
CA-FRE-3106	6	CA-FRE-3106-2	63	49	223	10	33	101	44	517	620	NM	0.54	9.2	37.5	Fish Springs
			± 5	3	3	7	3	5	2	84	58	NM	0.11			
West Taboose #9	7	West Taboose #9-1	32	25	137	102	13	173	12	454	149	1014	0.49	53.5	39.5	Casa Diablo (Lookout Mt.)
			± 6	4	3	7	3	6	2	85	58	21	0.11			
West Taboose #12	8	West Taboose #12-1	46	32	190	19	31	149	40	676	400	NM	0.73	19.7	37.5	Saline Valley 1
			± 5	3	3	7	3	5	2	85	58	NM	0.11			
West Taboose #12	9	West Taboose #12-2	47	29	176	21	25	134	40	740	540	NM	0.68	13.2	32.5	Queen
			± 5	3	3	7	3	5	2	85	58	NM	0.11			
West Taboose #14	10	Tool #4	104	31	183	21	26	136	41	561	597	NM	0.53	9.4	34.0	Queen
			± 5	3	3	7	3	5	2	85	58	NM	0.11			
West Taboose #14	11	Tool #5	70	50	225	10	33	101	49	307	532	NM	0.39	8.3	47.7	Fish Springs
			± 5	3	3	7	3	5	2	84	58	NM	0.11			
West Taboose #16	12	Tool #6	47	51	215	9	32	96	42	503	644	NM	0.54	8.8	38.3	Fish Springs
			± 5	3	3	7	3	5	2	84	58	NM	0.11			
West Taboose #19	13	Artifact #5	56	45	206	11	28	90	47	205	379	NM	0.25	8.7	49.2	Fish Springs
			± 6	4	3	7	3	5	2	84	58	NM	0.11			
West Taboose #19	14	Artifact #6	40	32	180	21	33	151	36	322	266	NM	0.40	19.5	46.5	Saline Valley 1
			± 6	4	3	7	3	6	2	84	58	NM	0.11			
West Taboose #19	15	Artifact #7	48	44	189	11	27	90	42	162	345	NM	0.21	8.4	53.6	Fish Springs
			± 6	4	3	7	3	5	2	84	58	NM	0.11			
NA	RGM-1	RGM-1	44	27	159	108	27	227	9	1569	305	763	1.82	64.0	38.2	RGM-1 Reference Standard
			± 5	3	3	7	3	5	2	87	58	18	0.11			

All trace element values reported in parts per million; ± = analytical uncertainty estimate (in ppm). Iron content reported as weight percent oxide.
NA = Not available; ND = Not detected; NM = Not measured.; * = Small sample.

Northwest Research Obsidian Studies Laboratory

Table B-1. Obsidian Hydration Results and Sample Provenience: Seven Sites in the Taboose Pass Area, Kings Canyon National Park

Site	Specimen No.	Catalog No.	Unit	Depth (cm)	Artifact Type[A]	Artifact Source	Hydration Rims Rim 1	Hydration Rims Rim 2	Comments[B]
CA-FRE-3105	1	Artifact D	--	Surface	PPT	Fish Springs	1.3 ± 0.1	NM ± NM	Same rim on BRE; DFV
CA-FRE-3105	2	Artifact K	--	Surface	PPT	Bodie Hills	1.2 ± 0.0	NM ± NM	DFV
CA-FRE-3105	3	Artifact O	--	Surface	PPT	Fish Springs	1.5 ± 0.1	NM ± NM	Same rim on BRE; DFV
CA-FRE-3105	4	Artifact V	--	Surface	PPT	Fish Springs	1.2 ± 0.1	NM ± NM	Same rim on BRE; DFV
CA-FRE-3106	5	CA-FRE-3106-1	--	Surface	PPT	Saline Valley 1	3.6 ± 0.1	NM ± NM	--
CA-FRE-3106	6	CA-FRE-3106-2	--	Surface	PPT	Fish Springs	2.9 ± 0.0	NM ± NM	--
West Taboose #9	7	West Taboose #9-1	--	Surface	PPT	Casa Diablo (Lookout Mt.)	1.8 ± 0.1	NM ± NM	--
West Taboose #12	8	West Taboose #12-1	--	Surface	PPT	Saline Valley 1	2.4 ± 0.1	NM ± NM	Same rim on BRE
West Taboose #12	9	West Taboose #12-2	--	Surface	PPT	Queen	2.4 ± 0.1	NM ± NM	--
West Taboose #14	10	Tool #4	--	Surface	PPT	Queen	2.1 ± 0.1	NM ± NM	Same rim on BRE
West Taboose #14	11	Tool #5	--	Surface	PPT	Fish Springs	1.4 ± 0.1	NM ± NM	--
West Taboose #16	12	Tool #6	--	Surface	PPT	Fish Springs	2.4 ± 0.1	NM ± NM	Same rim on BRE
West Taboose #19	13	Artifact #5	--	Surface	PPT	Fish Springs	1.3 ± 0.1	NM ± NM	DFV
West Taboose #19	14	Artifact #6	--	Surface	PPT	Saline Valley 1	1.2 ± 0.1	NM ± NM	--
West Taboose #19	15	Artifact #7	--	Surface	PPT	Fish Springs	1.3 ± 0.1	NM ± NM	--

[A] PPT = Projectile Point
[B] See text for explanation of comment abbreviations
NA = Not Available; NM = Not Measured; * = Small sample

Data Concordance
Northwest Research Obsidian Studies Laboratory Job #2000-76

Specimen No.	**Taboose Cat. No.**
1	18574
2	18572
3	18575
4	18573
5	18604
6	18605
7	18607
8	18646
9	18645
10	18708
11	18707
12	18741
13	18776
14	18774
15	18775

ANTHROPOLOGICAL STUDIES CENTER
Sonoma State University Building 29 1801 East Cotati Avenue Rohnert Park, CA 94928-3609

July 26, 2001

Nathan Stevens
894 Woodside Lane East, #4
Sacramento, CA 95825

Dear Nathan:

I write to report the results of hydration band analysis of eight obsidian specimens from Taboose Pass in Kings Canyon National Park. This work was completed as part of Lynn Johnson's SCA Silent Auction specimens.

Procedures used by our obsidian lab for preparation of thin sections and measurement of hydration bands are described here. The specimens were examined to find two or more surfaces that would yield edges that would be perpendicular to the microslides when preparation of the thin sections was done. Two parallel cuts were made at an appropriate location along the edge of the specimens with a four-inch diameter circular saw blade mounted on a lapidary trimsaw. The cuts resulted in the isolation of a small sample with a thickness of about one millimeter. The samples were removed from the specimens and mounted with Lakeside Cement onto etched glass micro-slides.

The thickness of each sample was reduced by manual grinding with a slurry of #600 silicon carbide abrasive on plate glass. Grinding was completed in two steps. The first grinding was stopped when the sample's thickness was reduced by approximately one-half. This eliminated micro-flake scars created by the saw blade during the cutting process. The slides were then reheated, which liquefied the Lakeside Cement, and the samples inverted. The newly exposed surfaces were then ground until proper thickness was attained.

Correct thin section thickness was determined by the "touch" technique. A finger was rubbed across each slide, onto the sample, and the difference (sample thickness) was "felt." The second technique used to arrive at proper thin section thickness is the "transparency" test where each microslide was held up to a strong source of light and the translucency of the samples was observed. Samples were reduced enough when they readily allowed the passage of light. A coverslip was affixed over each sample when grinding was completed. The completed microslides are curated at the Sonoma State University Obsidian Lab under File No. 01-H2109.

The hydration bands were measured with a strainfree 60 power objective and a Bausch and Lomb 12.5 power filar micrometer eyepiece mounted on a Nikon Labophot-Pol petrographic microscope.

Hydration measurements have a range of +/- 0.2 due to normal equipment limitations. Six measurements were taken at several locations along the edge of each thin section, and the mean of the measurements was calculated and listed on the enclosed data page.

The measurements are quite small. They are definitely near the low end of normal hydration measurements ranges for these types, and this very well could be a function of temperature.

Don't hesitate to contact me if you have questions regarding this hydration work.

Sincerely,

Thomas M. Origer
Director

Submitter: N. Stevens - CSU Sacramento July 24, 2001

	Lab#	Sample#	Description	Unit	Depth	Remarks	Measurements	Mean	Source
CA-FRE-3105									
	1	601-1	DSN Point		Surface	weathered	0.8 0.8 0.8 0.8 0.9 0.9	0.8	
	2	601-2	DSN Point		Surface	none	0.9 0.9 0.9 0.9 1.0 1.0	0.9	
	3	601-3	Rose Spring Point		Surface	none	1.6 1.6 1.6 1.6 1.6 1.6	1.6	
	4	601-4	Rose Spring Point		Surface	weathered	0.9 0.9 1.0 1.0 1.0 1.0	1.0	
CA-FRE-3107									
	5	601-5	Rose Spring Point		Surface	none	1.0 1.1 1.1 1.1 1.1 1.1	1.1	
CA-FRE-3164									
	6	601-6	Rose Spring Point		Surface	weathered		VW	
	7	601-7	Rose Spring Point		Surface	none	1.1 1.1 1.1 1.1 1.1 1.1	1.1	
Isolate #1									
	8	601-8	Rose Spring Point		Surface	none	1.0 1.0 1.0 1.0 1.0 1.1	1.0	

Lab Accession No: 2001-H2109 Technician: Thomas M. Origer

Data Page 1 of 1

Data Concordance
Anthropological Studies Center Job #01-H2109

Lab. No.	**Taboose Cat. No.**
1	18576
2	18577
3	18578
4	18579
5	18606
6	18709
7	18710
8	18799

Northwest Research Obsidian Studies Laboratory
1414 NW Polk ▪ Corvallis, OR 97330 USA
Voice: (541)754-7507 ▪ Fax: (541)753-2420
E-mail: cskinner@obsidianlab.com
Web: www.obsidianlab.com

February 21, 2002

Nathan Stevens
228 N. Fourth St.
Grover Beach, CA 93433

Dear Nathan,

Enclosed are the data tables and data disk outlining the results of the X-ray fluorescence analysis of the 54 artifacts from several Taboose Pass area sites, California. The samples were prepared and analyzed at Northwest Research Obsidian Studies Laboratory under the accession number 2001-93. I've given you the special grad student rate of $10 per sample and directed the invoice to Mark Basgall at CSU Sacramento.

I was just a little surprised to come up such a large proportion of artifacts from Fish Springs. Given the small number of specimens that I analyzed previously from the Taboose Pass area, I thought that I might also see some Queen and Saline Valley 1 (AKA Queen Imposter) artifacts but none showed up among the analyzed samples. The Fish Springs glass is geochemically (not to mention visually) rather distinct, however, and there's little chance of confusing it with anything else. It's also no coincidence that most of the non-local material showed up among the few projectile points – forty-nine of the 50 pieces of debitage originated from Fish Springs.

I hope this helps things along with the thesis research. Good luck with the rest of it! And if you have any questions about the sources or the analyses, be sure and let me know.

Yours,

Craig E. Skinner

Craig E. Skinner
Obsidian Studies Laboratory Program Director

cc: Mark Basgall

Northwest Research Obsidian Studies Laboratory

Table A-1. Results of XRF Studies: Taboose Pass Sites, Fremont County, California

Site	Specimen No.	Catalog No.		Trace Element Concentrations Zn	Pb	Rb	Sr	Y	Zr	Nb	Ti	Mn	Ba	$Fe2O3^T$	Ratios Fe:Mn	Fe:Ti	Artifact Source
CA-FRE-3105	1	161		21	38	148	22	17	85	20	348	229	38	0.31	16.9	34.3	Mt. Hicks*
			±	9	5	4	6	2	6	2	74	45	38	0.11			
CA-FRE-3105	2	163		77	34	146	87	19	188	16	959	266	898	1.14	43.9	38.6	Casa Diablo (Lookout Mt.)
			±	7	4	3	6	2	6	2	76	46	28	0.11			
CA-FRE-3164	3	262		107	31	150	90	18	182	15	853	401	957	1.13	27.5	43.1	Casa Diablo (Lookout Mt.)
			±	7	4	3	6	2	6	2	76	46	28	0.11			
Isolate #1	4	103		70	50	217	9	32	96	44	383	716	NM	0.59	8.3	53.8	Fish Springs
			±	7	4	3	6	2	6	2	74	46	NM	0.11			
CA-FRE-3105	5	7H		55	49	213	10	33	98	47	312	660	NM	0.52	8.0	58.9	Fish Springs
			±	7	4	3	6	2	6	2	74	46	NM	0.11			
CA-FRE-3105	6	11H		64	46	225	9	32	92	35	258	519	NM	0.38	8.0	54.9	Fish Springs *
			±	8	4	4	6	2	6	2	74	46	NM	0.11			
CA-FRE-3105	7	15GG		37	40	169	8	26	82	35	206	399	NM	0.27	8.2	53.2	Fish Springs
			±	8	4	3	6	2	6	2	74	46	NM	0.11			
CA-FRE-3105	8	15HH		62	49	214	10	34	100	44	301	306	NM	0.19	8.6	28.4	Fish Springs *
			±	9	5	4	6	3	6	2	74	46	NM	0.11			
CA-FRE-3105	9	27R		67	43	185	9	28	86	38	245	474	NM	0.35	8.3	54.4	Fish Springs *
			±	7	4	3	6	2	6	2	74	46	NM	0.11			
CA-FRE-3105	10	27Q		48	50	216	10	30	95	45	291	601	NM	0.47	8.2	58.6	Fish Springs
			±	7	4	4	6	2	6	2	74	46	NM	0.11			
CA-FRE-3105	11	34A		50	52	216	10	32	93	46	257	533	NM	0.42	8.3	59.4	Fish Springs
			±	7	4	4	6	2	6	2	74	46	NM	0.11			
CA-FRE-3105	12	34L		39	43	185	9	27	86	36	233	470	NM	0.36	8.5	58.3	Fish Springs *
			±	7	4	4	6	2	6	2	74	46	NM	0.11			
CA-FRE-3105	13	34M		79	41	293	11	59	155	51	265	156	NM	0.57	45.0	74.9	Coso (West Sugarloaf) *
			±	9	4	4	6	3	6	2	74	45	NM	0.11			
CA-FRE-3105	14	37N		57	49	221	11	34	94	44	311	506	NM	0.41	8.7	48.1	Fish Springs *
			±	8	4	4	6	2	6	2	74	46	NM	0.11			
CA-FRE-3105	15	40H		102	43	205	8	29	87	41	190	391	NM	0.28	8.7	59.5	Fish Springs *
			±	9	4	4	6	3	6	2	74	46	NM	0.11			

All trace element values reported in parts per million; ± = analytical uncertainty estimate (in ppm). Iron content reported as weight percent oxide.
NA = Not available; ND = Not detected; NM = Not measured.; * = Small sample.

Northwest Research Obsidian Studies Laboratory

Table A-1. Results of XRF Studies: Taboose Pass Sites, Fremont County, California

Site	Specimen No.	Catalog No.		Zn	Pb	Rb	Sr	Y	Zr	Nb	Ti	Mn	Ba	$Fe2O3^T$	Fe:Mn	Fe:Ti	Artifact Source
CA-FRE-3102	16	65B		81	46	209	8	31	94	45	470	825	NM	0.59	7.1	43.5	Fish Springs
			±	7	4	3	6	2	6	2	74	46	NM	0.11			
CA-FRE-3102	17	65F		42	50	200	10	33	94	43	379	559	NM	0.48	8.9	45.1	Fish Springs *
			±	7	4	3	6	2	6	2	74	46	NM	0.11			
CA-FRE-3102	18	65DD		52	47	200	10	29	97	42	298	582	NM	0.44	8.1	54.1	Fish Springs *
			±	7	4	3	6	2	6	2	74	46	NM	0.11			
CA-FRE-3102	19	65II		36	48	207	10	31	95	40	305	575	NM	0.46	8.4	54.7	Fish Springs
			±	7	4	3	6	2	6	2	74	46	NM	0.11			
CA-FRE-3102	20	65HH		54	44	203	9	28	96	40	332	507	NM	0.40	8.6	44.6	Fish Springs
			±	7	4	3	6	2	6	2	74	46	NM	0.11			
CA-FRE-3102	21	65JJ		40	37	168	10	29	85	37	289	514	NM	0.40	8.4	51.0	Fish Springs
			±	7	4	3	6	2	6	2	74	46	NM	0.11			
CA-FRE-3102	22	65OO		57	45	205	7	28	91	41	236	410	NM	0.27	7.8	45.5	Fish Springs *
			±	7	4	4	6	2	6	2	74	46	NM	0.11			
CA-FRE-3102	23	65PP		53	53	209	8	29	97	45	298	568	NM	0.42	7.8	51.2	Fish Springs
			±	7	4	3	6	2	6	2	74	46	NM	0.11			
CA-FRE-3102	24	65QQ		33	32	151	7	25	78	37	178	359	NM	0.23	8.2	55.0	Fish Springs *
			±	7	4	3	6	2	6	2	74	46	NM	0.11			
CA-FRE-3102	25	65VV		53	48	207	9	29	92	43	282	423	NM	0.34	9.1	46.0	Fish Springs *
			±	7	4	4	6	2	6	2	74	46	NM	0.11			
CA-FRE-3102	26	65LL		37	38	181	10	28	90	34	243	421	NM	0.28	7.9	46.1	Fish Springs *
			±	7	4	3	6	2	6	2	74	46	NM	0.11			
CA-FRE-3102	27	65MM		43	40	198	10	27	89	37	296	509	NM	0.39	8.3	48.4	Fish Springs *
			±	7	4	3	6	2	6	2	74	46	NM	0.11			
CA-FRE-3102	28	66M		49	53	215	13	32	109	43	438	681	NM	0.60	8.8	47.7	Fish Springs
			±	7	4	3	6	2	6	2	75	46	NM	0.11			
CA-FRE-3102	29	66N		56	45	185	10	29	90	38	533	473	NM	0.59	12.8	38.5	Fish Springs *
			±	7	4	3	6	2	6	2	75	46	NM	0.11			
CA-FRE-3102	30	66O		65	47	187	11	29	91	40	396	492	NM	0.47	10.0	42.3	Fish Springs *
			±	7	4	3	6	2	6	2	74	46	NM	0.11			

Columns Zn through $Fe2O3^T$: Trace Element Concentrations; Fe:Mn and Fe:Ti: Ratios.

All trace element values reported in parts per million; ± = analytical uncertainty estimate (in ppm). Iron content reported as weight percent oxide.
NA = Not available; ND = Not detected; NM = Not measured.; * = Small sample.

Northwest Research Obsidian Studies Laboratory

Table A-1. Results of XRF Studies: Taboose Pass Sites, Fremont County, California

Site	Specimen No.	Catalog No.		Zn	Pb	Rb	Sr	Y	Zr	Nb	Ti	Mn	Ba	$Fe2O3^T$	Fe:Mn	Fe:Ti	Artifact Source
				Trace Element Concentrations											Ratios		
CA-FRE-3102	31	67A		52	44	207	8	29	94	45	372	728	NM	0.60	8.2	55.6	Fish Springs
			±	7	4	3	6	2	6	2	74	46	NM	0.11			
CA-FRE-3102	32	67M		43	40	191	9	29	88	36	193	430	NM	0.29	7.9	59.0	Fish Springs *
			±	8	4	3	6	2	6	2	74	46	NM	0.11			
CA-FRE-3102	33	67J		29	49	232	8	34	98	40	212	474	NM	0.32	7.7	58.8	Fish Springs *
			±	9	5	4	6	3	6	2	74	46	NM	0.11			
CA-FRE-3102	34	67I		48	43	205	7	30	93	43	390	788	NM	0.63	7.9	55.9	Fish Springs
			±	7	4	3	6	2	6	2	74	46	NM	0.11			
CA-FRE-3102	35	67K		56	42	195	9	30	96	38	281	566	NM	0.41	7.8	54.1	Fish Springs *
			±	7	4	4	6	2	6	2	74	46	NM	0.11			
CA-FRE-3160	36	74B		48	49	217	8	32	102	44	531	683	NM	0.67	9.6	42.9	Fish Springs
			±	7	4	3	6	2	6	2	75	46	NM	0.11			
CA-FRE-3160	37	74N		51	45	212	9	30	93	46	414	711	NM	0.61	8.5	51.0	Fish Springs
			±	6	4	3	6	2	6	2	74	46	NM	0.11			
CA-FRE-3160	38	75B		58	50	209	16	28	99	44	637	611	NM	0.68	11.0	36.4	Fish Springs
			±	7	4	3	6	2	6	2	75	46	NM	0.11			
CA-FRE-3160	39	76D		37	46	213	9	30	95	47	425	713	NM	0.60	8.4	49.3	Fish Springs
			±	6	3	3	6	2	6	2	75	46	NM	0.11			
CA-FRE-3163	40	84C		40	45	197	8	30	93	42	330	658	NM	0.51	8.0	55.4	Fish Springs
			±	6	3	3	6	2	6	2	74	46	NM	0.11			
CA-FRE-3163	41	84G		65	44	247	14	32	100	44	930	701	NM	0.63	8.9	23.4	Fish Springs
			±	6	3	4	6	2	6	2	75	46	NM	0.11			
CA-FRE-3163	42	84H		39	52	204	10	34	96	48	362	680	NM	0.55	8.2	53.4	Fish Springs
			±	7	4	3	6	2	6	2	74	46	NM	0.11			
CA-FRE-3163	43	84I		43	56	218	9	30	110	45	345	627	NM	0.48	7.9	49.9	Fish Springs *
			±	7	4	3	6	2	6	2	74	46	NM	0.11			
CA-FRE-3163	44	84J		34	47	205	8	33	95	44	250	542	NM	0.41	8.1	60.2	Fish Springs *
			±	7	4	4	6	2	6	2	74	46	NM	0.11			
CA-FRE-3163	45	84K		51	49	203	10	32	92	41	172	355	NM	0.24	8.4	57.2	Fish Springs *
			±	8	4	4	6	2	6	2	74	46	NM	0.11			

All trace element values reported in parts per million; ± = analytical uncertainty estimate (in ppm). Iron content reported as weight percent oxide.
NA = Not available; ND = Not detected; NM = Not measured.; * = Small sample.

Northwest Research Obsidian Studies Laboratory

Table A-1. Results of XRF Studies: Taboose Pass Sites, Fremont County, California

			Trace Element Concentrations											Ratios		
Site	Specimen No.	Catalog No.	Zn	Pb	Rb	Sr	Y	Zr	Nb	Ti	Mn	Ba	$Fe2O3^T$	Fe:Mn	Fe:Ti	Artifact Source
CA-FRE-3163	46	85B	45	49	221	11	31	102	44	309	536	NM	0.42	8.4	49.5	Fish Springs
			± 7	4	4	6	2	6	2	74	46	NM	0.11			
CA-FRE-3163	47	85F	82	52	214	12	33	105	46	434	806	NM	0.63	7.7	50.1	Fish Springs
			± 7	4	3	6	2	6	2	74	46	NM	0.11			
CA-FRE-3163	48	85G	36	45	208	11	33	96	41	469	660	NM	0.59	9.0	43.8	Fish Springs
			± 7	4	3	6	2	6	2	74	46	NM	0.11			
CA-FRE-3165	49	89K	40	42	199	8	30	90	43	369	673	NM	0.55	8.2	52.2	Fish Springs
			± 6	3	3	6	2	6	2	74	46	NM	0.11			
CA-FRE-3165	50	90B	49	43	198	10	30	92	44	645	624	NM	0.68	10.8	36.0	Fish Springs
			± 6	3	3	6	2	6	2	75	46	NM	0.11			
CA-FRE-3165	51	90R	67	43	193	8	28	85	38	323	459	NM	0.39	9.3	44.9	Fish Springs *
			± 7	4	4	6	2	6	2	74	46	NM	0.11			
CA-FRE-3169	52	101B	50	37	193	9	29	93	42	374	658	NM	0.56	8.6	52.2	Fish Springs
			± 6	3	3	6	2	6	2	74	46	NM	0.11			
CA-FRE-3169	53	101O	71	45	213	9	34	97	46	201	406	NM	0.28	8.2	55.6	Fish Springs *
			± 7	4	4	6	3	6	2	74	46	NM	0.11			
CA-FRE-3169	54	102N	48	48	211	11	34	101	47	498	790	NM	0.64	8.0	44.5	Fish Springs
			± 6	3	3	6	2	6	2	75	46	NM	0.11			

All trace element values reported in parts per million; ± = analytical uncertainty estimate (in ppm). Iron content reported as weight percent oxide.
NA = Not available; ND = Not detected; NM = Not measured.; * = Small sample.

Data Concordance
Northwest Research Obsidian Studies Laboratory Job #2001-93

Temp. Cat. No.	Taboose Cat. No.
7	18524
11	18528
15	18532
27	18544
34	18551
37	18554
40	18557
65	18503
66	18504
67	18505
74	18614
76	18616
84	18680
85	18681
89	18719
90	18720
101	18772
102	18773
103	18799
161	18577
163	18579
262	18709

Pilot Study Obsidian Hydration Readings

Site	Cat No	Subcat	Unit	Depth	Descrip	R1	R2	R3	R4	R5	R6	Mean	St Dev	Comments	VIS	XRF
CA-FRE-3095	18453		SW QUAD	SUR	DBTG	4.1	4.1	3.9	3.8	4.1	3.9	4.0	0.14		FS	
CA-FRE-3095	18454		NW QUAD	SUR	DBTG	3.3	3.2	3.2	3.2	3.2	3.2	3.2	0.05	COR	FS	
CA-FRE-3095	18455		NE QUAD	SUR	DBTG	3.3	3.2	3.4	3.3	3.4	3.4	3.3	0.09		FS	
CA-FRE-3095	18456		SE QUAD	SUR	DBTG	3.5	3.5	3.6	3.8	3.8	3.5	3.6	0.14	COR	FS	
CA-FRE-3098	18456		SE QUAD	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	BEV, UNR	FS	
CA-FRE-3098	18457		NW QUAD	SUR	DBTG	1.5	1.4	1.2	1.3	1.4	0.0	1.4	0.11	BEV	FS	
CA-FRE-3098	18458		NW QUAD	SUR	DBTG	3.3	3.4	3.8	3.3	3.5	3.4	3.5	0.19		UNK	
CA-FRE-3098	18459		NW QUAD	SUR	DBTG	3.4	3.3	3.2	3.5	3.5	3.2	3.3	0.14		UNK	
CA-FRE-3098	18460		NE QUAD	SUR	FLKTL	3.4	3.4	3.2	3.4	3.3	0.0	3.3	0.09		FS	
CA-FRE-3098	18461		NE QUAD	SUR	DBTG	3.8	3.7	3.8	4.0	3.9	0.0	3.8	0.11		FS	
CA-FRE-3098	18462		NE QUAD	SUR	DBTG	1.9	1.9	1.8	1.8	2.0	0.0	1.9	0.08		FS	
CA-FRE-3098	18463		SW QUAD	SUR	FLKTL	3.2	3.5	3.4	3.4	3.3	3.2	3.3	0.14		FS	
CA-FRE-3098	18464		SW QUAD	SUR	DBTG	4.0	3.5	3.4	3.7	3.5	3.4	3.6	0.23		FS	
CA-FRE-3098	18465		SW QUAD	SUR	DBTG	3.3	3.3	3.4	3.5	3.3	0.0	3.4	0.09		FS	
CA-FRE-3098	18466		SE QUAD	SUR	DBTG	4.1	4.1	4.5	4.4	4.0	4.2	4.2	0.17		FS	
CA-FRE-3098	18467		SE QUAD	SUR	DBTG	4.8	4.6	4.5	4.4	4.6	4.7	4.6	0.14		FS	
CA-FRE-3098	18468		SE QUAD	SUR	DBTG	3.7	3.6	3.7	3.5	3.5	3.8	3.6	0.10	BEV, SAW	FS	
CA-FRE-3098	18469		NW QUAD	SUR	DBTG	2.8	2.9	2.8	3.0	2.8	2.8	2.8	0.08		FS	
CA-FRE-3098	18470		NW QUAD	SUR	DBTG	2.6	2.5	2.6	2.7	2.5	2.7	2.6	0.09		FS	
CA-FRE-3098	18471		NW QUAD	SUR	DBTG	3.1	3.0	3.0	3.0	3.0	3.0	3.0	0.04		FS	
CA-FRE-3098	18472		NE QUAD	SUR	DBTG	2.7	2.8	2.8	2.8	2.7	0.0	2.8	0.05		FS	
CA-FRE-3098	18473		NE QUAD	SUR	DBTG	2.8	3.0	3.0	2.8	3.0	3.0	2.9	0.10		FS	
CA-FRE-3098	18474		NE QUAD	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	VAR	UNK	
CA-FRE-3098	18475		SW QUAD	SUR	DBTG	3.2	3.1	3.4	3.2	3.2	3.1	3.2	0.11		FS	
CA-FRE-3098	18476		SW QUAD	SUR	DBTG	2.5	2.7	2.7	2.6	2.8	0.0	2.7	0.11		FS	

Site	Cat No	Subcat	Unit	Depth	Descrip	R1	R2	R3	R4	R5	R6	Mean	St Dev	Comments	VIS	XRF
CA-FRE-3098	18477		SW QUAD	SUR	DBTG	3.4	3.5	3.2	3.5	3.5	0.0	3.4	0.13	COR	FS	
CA-FRE-3098	18478		SE QUAD	SUR	FLKTL	4.1	4.1	4.2	4.2	4.0	0.0	4.1	0.08		FS	
CA-FRE-3098	18479		SE QUAD	SUR	DBTG	3.9	3.9	4.1	3.8	3.7	3.8	3.9	0.14		FS	
CA-FRE-3098	18480		SE QUAD	SUR	DBTG	3.0	3.0	3.1	3.2	3.0	3.0	3.0	0.08		FS	
CA-FRE-3099	18481		NW QUAD	SUR	DBTG	5.0	4.8	4.6	4.8	4.7	4.9	4.8	0.14		UNK	
CA-FRE-3099	18482		NW QUAD	SUR	DBTG	2.2	2.4	2.4	2.4	2.2	2.4	2.3	0.10		FS	
CA-FRE-3099	18483		NW QUAD	SUR	DBTG	2.5	2.7	2.6	2.4	2.4	2.4	2.5	0.13		FS	
CA-FRE-3099	18484		NE QUAD	SUR	DBTG	2.7	2.5	2.5	2.7	2.4	2.7	2.6	0.13		FS	
CA-FRE-3099	18485		NE QUAD	SUR	DBTG	2.7	2.6	2.5	2.4	2.7	2.4	2.5	0.14		FS	
CA-FRE-3099	18486		NE QUAD	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	UNR	UNK	
CA-FRE-3099	18487		SW QUAD	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	UNR	FS	
CA-FRE-3099	18488		SW QUAD	SUR	DBTG	2.4	2.2	2.8	2.5	2.6	2.5	2.5	0.20		FS	
CA-FRE-3099	18489		SW QUAD	SUR	DBTG	2.6	2.5	2.6	2.5	2.8	2.7	2.6	0.12		FS	
CA-FRE-3099	18490		SE QUAD	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	VAR	UNK	
CA-FRE-3099	18491		SE QUAD	SUR	DBTG	3.7	3.7	3.7	3.5	3.5	3.7	3.6	0.07		FS	
CA-FRE-3099	18492		SE QUAD	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	BEV, UNR	FS	
CA-FRE-3104	18506			SUR	BIFACE	2.8	3.1	3.3	3.1	3.1	2.9	3.0	0.18		FS	
CA-FRE-3104	18507			SUR	DBTG	1.5	1.5	1.5	1.4	1.6	0.0	1.5	0.07		FS	
CA-FRE-3104	18508			SUR	DBTG	3.7	3.3	3.7	3.7	3.5	3.2	3.5	0.22	COR	FS	
CA-FRE-3104	18509			SUR	DBTG	3.3	3.1	3.2	3.5	3.2	3.2	3.3	0.14	DIF	FS	
CA-FRE-3104	18510			SUR	DBTG	1.4	1.4	1.5	1.3	1.4	1.4	1.4	0.06		FS	
CA-FRE-3104	18511			SUR	DBTG	2.0	2.1	2.1	2.1	2.0	2.1	2.1	0.05		FS	
CA-FRE-3104	18512			SUR	DBTG	1.7	1.7	1.7	1.9	1.9	1.8	1.8	0.10	1ST RIM	FS	
CA-FRE-3104	18512			SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	2ND RIM, NVB	FS	
CA-FRE-3104	18513			SUR	DBTG	1.5	1.5	1.5	1.6	1.5	1.5	1.5	0.04		FS	
CA-FRE-3104	18514			SUR	DBTG	5.5	5.5	5.4	5.2	5.4	5.7	5.5	0.16	COR	FS	
CA-FRE-3104	18515			SUR	DBTG	1.4	1.4	1.2	1.4	1.3	1.5	1.4	0.10		UNK	
CA-FRE-3105	18582			SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	NVB	FS	
CA-FRE-3105	18583			SUR	DBTG	1.2	1.3	1.3	1.3	1.3	1.2	1.3	0.05		FS	

Site	Cat No	Subcat	Unit	Depth	Descrip	R1	R2	R3	R4	R5	R6	Mean	St Dev	Comments	VIS	XRF
CA-FRE-3105	18584			SUR	DBTG	1.2	1.1	1.2	1.1	1.1	1.1	1.1	0.04		FS	
CA-FRE-3105	18585			SUR	DBTG	1.2	1.2	1.1	1.1	1.1	1.2	1.1	0.06	BEV	FS	
CA-FRE-3105	18586			SUR	DBTG	0.9	0.9	1.1	1.1	0.9	1.1	1.0	0.09	2ND BEV RIM CA. 2.6	FS	
CA-FRE-3105	18587			SUR	DBTG	1.3	1.4	1.2	1.3	1.3	1.3	1.3	0.06	BEV	FS	
CA-FRE-3105	18588			SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	VAR	FS	
CA-FRE-3105	18589			SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	UNR	FS	
CA-FRE-3105	18590			SUR	DBTG	1.3	1.3	1.2	1.3	1.3	1.2	1.3	0.06	BEV	FS	
CA-FRE-3105	18591			SUR	DBTG	1.3	1.1	1.4	1.3	1.2	1.2	1.2	0.09	WEA	FS	
CA-FRE-3160	18617		NW QUAD	SUR	DBTG	3.9	3.7	3.8	3.7	3.9	3.7	3.8	0.10		UNK	
CA-FRE-3160	18618		NW QUAD	SUR	DBTG	3.8	3.5	3.5	3.7	3.4	3.8	3.6	0.17		FS	
CA-FRE-3160	18619		NW QUAD	SUR	DBTG	5.3	5.2	5.1	5.0	4.8	0.0	5.1	0.19		UNK	
CA-FRE-3160	18620		NW QUAD	SUR	DBTG	3.0	3.0	3.2	3.0	3.2	3.0	3.0	0.11		FS	
CA-FRE-3160	18621		NW QUAD	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	UNR	FS	
CA-FRE-3160	18622		NE QUAD	SUR	DBTG	3.0	2.8	2.8	3.1	3.1	3.2	3.0	0.15		FS	
CA-FRE-3160	18623		NE QUAD	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	UNR	FS	
CA-FRE-3160	18624		NE QUAD	SUR	DBTG	4.4	4.1	4.1	4.1	4.4	4.0	4.2	0.17		UNK	
CA-FRE-3160	18625		NE QUAD	SUR	DBTG	3.5	3.5	3.3	3.5	3.7	3.4	3.5	0.12	BEV	FS	
CA-FRE-3160	18626		NE QUAD	SUR	DBTG	2.8	2.7	2.8	2.7	2.7	2.7	2.7	0.05		FS	
CA-FRE-3160	18627		SW QUAD	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	DIF, UNR	FS	
CA-FRE-3160	18628		SW QUAD	SUR	DBTG	2.4	2.2	2.4	2.5	2.5	2.4	2.4	0.10		FS	
CA-FRE-3160	18629		SW QUAD	SUR	DBTG	3.4	3.5	3.7	3.9	3.8	3.5	3.6	0.17	DIF	FS	
CA-FRE-3160	18630		SW QUAD	SUR	DBTG	3.2	3.7	3.7	3.2	3.7	3.2	3.4	0.25	BEV, DIF	FS	
CA-FRE-3160	18631		SW QUAD	SUR	DBTG	5.0	4.6	4.8	4.6	5.0	0.0	4.8	0.20		UNK	
CA-FRE-3160	18632		SE QUAD	SUR	DBTG	3.0	2.8	3.0	3.0	2.8	3.0	2.9	0.07		FS	
CA-FRE-3160	18633		SE QUAD	SUR	DBTG	3.6	3.5	3.4	3.5	3.5	3.4	3.5	0.07	COR	FS	
CA-FRE-3160	18634		SE QUAD	SUR	DBTG	3.7	3.5	3.5	3.5	3.7	3.4	3.6	0.10	COR	FS	
CA-FRE-3160	18635		SE QUAD	SUR	DBTG	3.0	2.8	3.2	3.0	2.9	3.1	3.0	0.13		FS	
CA-FRE-3160	18636		SE QUAD	SUR	DBTG	3.1	3.0	3.0	2.8	3.2	3.0	3.0	0.12		FS	
CA-FRE-3161	18637		NW QUAD	SUR	DBTG	4.1	4.1	4.1	4.0	4.1	4.0	4.1	0.05		FS	

Site	Cat No	Subcat	Unit	Depth	Descrip	R1	R2	R3	R4	R5	R6	Mean	St Dev	Comments	VIS	XRF
CA-FRE-3161	18638		NW QUAD	SUR	DBTG	4.4	4.7	4.6	4.4	4.5	4.6	4.5	0.13		FS	
CA-FRE-3161	18639		NE QUAD	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	COR, BEV, UNR	FS	
CA-FRE-3161	18640		NE QUAD	SUR	DBTG	3.9	3.8	3.7	3.7	3.7	3.5	3.7	0.13		FS	
CA-FRE-3161	18641		SW QUAD	SUR	DBTG	2.5	2.5	2.5	2.8	2.7	2.5	2.6	0.13		FS	
CA-FRE-3161	18642		SW QUAD	SUR	DBTG	3.4	3.7	3.4	3.5	3.1	3.4	3.4	0.19	COR	FS	
CA-FRE-3161	18643		SE QUAD	SUR	DBTG	4.1	4.2	4.2	4.0	4.4	4.2	4.2	0.12		FS	
CA-FRE-3161	18644		SE QUAD	SUR	DBTG	2.5	2.9	2.8	2.7	2.8	2.7	2.7	0.14		FS	
CA-FRE-3162	18647		NW QUAD	SUR	FLKTL	3.9	3.7	3.8	3.8	3.8	3.9	3.8	0.09		FS	
CA-FRE-3162	18648		NW QUAD	SUR	FLKTL	3.7	3.8	3.9	3.8	3.5	0.0	3.7	0.15		FS	
CA-FRE-3162	18649		NW QUAD	SUR	DBTG	4.0	4.0	4.1	4.1	4.1	4.1	4.1	0.06		FS	
CA-FRE-3162	18650		NW QUAD	SUR	DBTG	3.7	3.5	3.7	3.5	3.8	3.8	3.7	0.11		FS	
CA-FRE-3162	18651		NW QUAD	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	UNR	FS	
CA-FRE-3162	18652		NE QUAD	SUR	FLKTL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	UNR	FS	
CA-FRE-3162	18653		NE QUAD	SUR	DBTG	3.5	3.3	3.4	3.2	3.4	3.3	3.3	0.10		FS	
CA-FRE-3162	18654		NE QUAD	SUR	DBTG	3.4	3.5	3.8	3.5	3.8	3.8	3.6	0.19	COR	FS	
CA-FRE-3162	18655		NE QUAD	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	UNR	FS	
CA-FRE-3162	18656		NE QUAD	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	UNR	FS	
CA-FRE-3162	18657		SW QUAD	SUR	DBTG	3.9	3.8	3.8	3.8	4.1	3.9	3.9	0.12		FS	
CA-FRE-3162	18658		SW QUAD	SUR	DBTG	2.1	1.7	1.8	2.0	2.1	2.1	2.0	0.18		FS	
CA-FRE-3162	18659		SW QUAD	SUR	DBTG	3.1	2.8	2.8	3.1	3.0	3.0	3.0	0.14		UNK	
CA-FRE-3162	18660		SW QUAD	SUR	DBTG	4.4	4.4	4.5	4.4	4.4	4.4	4.4	0.04		FS	
CA-FRE-3162	18661		SW QUAD	SUR	DBTG	3.5	3.5	3.5	3.3	3.3	3.2	3.4	0.13		FS	
CA-FRE-3162	18662		SE QUAD	SUR	FLKTL	2.4	2.2	2.1	2.4	2.1	0.0	2.2	0.15		FS	
CA-FRE-3162	18663		SE QUAD	SUR	DBTG	4.0	3.9	3.9	4.0	3.9	0.0	3.9	0.05		UNK	
CA-FRE-3162	18664		SE QUAD	SUR	DBTG	3.4	3.5	3.5	3.4	3.5	3.5	3.5	0.08		FS	
CA-FRE-3162	18665		SE QUAD	SUR	DBTG	2.8	3.0	3.1	2.8	3.3	3.1	3.0	0.18	BEV, FAINT BAND	FS	
CA-FRE-3162	18666		SE QUAD	SUR	DBTG	4.1	4.1	4.2	4.0	4.2	4.2	4.2	0.10		FS	
CA-FRE-3162	18667			SUR	DBTG	1.2	1.2	1.4	1.4	1.4	1.3	1.3	0.10		FS	
CA-FRE-3162	18668			SUR	DBTG	1.4	1.3	1.3	1.3	1.3	0.0	1.3	0.04		FS	

Site	Cat No	Subcat	Unit	Depth	Descrip	R1	R2	R3	R4	R5	R6	Mean	St Dev	Comments	VIS	XRF
CA-FRE-3162	18669			SUR	DBTG	5.2	5.4	5.0	5.3	5.3	0.0	5.2	0.15		FS	
CA-FRE-3162	18670			SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	UNR	FS	
CA-FRE-3162	18671			SUR	DBTG	2.5	3.1	2.7	3.0	2.7	0.0	2.8	0.24		FS	
CA-FRE-3162	18672			SUR	DBTG	1.4	1.2	1.4	1.5	1.5	1.5	1.4	0.12		FS	
CA-FRE-3163	18686		S. 1/2	SUR	DBTG	1.8	1.5	1.4	1.5	1.7	1.7	1.6	0.12	BEV, COR	FS	
CA-FRE-3163	18687		S. 1/2	SUR	DBTG	1.2	1.4	1.3	1.3	1.2	1.3	1.3	0.07		FS	
CA-FRE-3163	18688		S. 1/2	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	UNR	FS	
CA-FRE-3163	18689		S. 1/2	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	UNR	FS	
CA-FRE-3163	18690		S. 1/2	SUR	DBTG	3.1	3.1	2.9	3.0	3.0	3.0	3.0	0.08	COR	UNK	
CA-FRE-3163	18691		S. 1/2	SUR	DBTG	1.8	1.7	2.2	1.9	1.8	1.9	1.9	0.19	BEV	FS	
CA-FRE-3163	18692		S. 1/2	SUR	DBTG	5.0	5.0	4.8	5.1	5.0	5.1	5.0	0.11		FS	
CA-FRE-3163	18693		S. 1/2	SUR	DBTG	5.1	5.0	5.2	5.0	5.3	4.8	5.1	0.15	DIF	FS	
CA-FRE-3163	18694		S. 1/2	SUR	DBTG	1.4	1.7	1.7	1.4	1.5	1.6	1.5	0.11		FS	
CA-FRE-3163	18695		S. 1/2	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	UNR	FS	
CA-FRE-3163	18696		N. 1/2	SUR	FLKTL	2.7	2.6	2.4	2.4	2.6	2.6	2.5	0.12		UNK	
CA-FRE-3163	18697		N. 1/2	SUR	FLKTL	2.4	2.6	2.5	2.7	2.7	2.6	2.6	0.14		FS	
CA-FRE-3163	18698		N. 1/2	SUR	DBTG	1.5	1.5	1.4	1.4	1.6	1.5	1.5	0.07		FS	
CA-FRE-3163	18699		N. 1/2	SUR	DBTG	3.0	3.0	2.8	3.0	2.8	3.1	2.9	0.09		FS	
CA-FRE-3163	18700		N. 1/2	SUR	DBTG	2.4	2.6	2.6	2.5	2.6	2.6	2.5	0.10	COR	FS	
CA-FRE-3163	18701		N. 1/2	SUR	DBTG	1.3	1.4	1.5	1.3	1.2	1.3	1.3	0.11	COR	FS	
CA-FRE-3163	18702		N. 1/2	SUR	DBTG	1.5	1.3	1.4	1.4	1.4	1.4	1.4	0.07	COR, DIF	FS	
CA-FRE-3163	18703		N. 1/2	SUR	DBTG	3.0	2.6	2.6	2.8	2.5	2.7	2.7	0.17		FS	
CA-FRE-3163	18704		N. 1/2	SUR	DBTG	2.5	2.7	2.6	2.8	2.6	2.5	2.6	0.11	1ST RIM	FS	
CA-FRE-3163	18704		N. 1/2	SUR	DBTG	1.2	1.2	1.1	1.3	1.3	1.2	1.2	0.09	2ND RIM	FS	
CA-FRE-3163	18705		N. 1/2	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	UNR	FS	
CA-FRE-3164	18712			SUR	DBTG	1.3	1.4	1.1	1.4	1.2	1.3	1.3	0.12		UNK	
CA-FRE-3164	18713			SUR	DBTG	4.6	4.4	4.6	4.6	4.6	4.5	4.6	0.08		FS	
CA-FRE-3164	18714			SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	BUR?, UNR	FS	
CA-FRE-3164	18715			SUR	DBTG	1.4	1.4	1.5	1.7	1.5	1.4	1.5	0.12		UNK	

Site	Cat No	Subcat	Unit	Depth	Descrip	R1	R2	R3	R4	R5	R6	Mean	St Dev	Comments	VIS	XRF
CA-FRE-3165	18721		NE QUAD	SUR	DBTG	5.0	5.2	5.1	4.8	5.1	5.0	5.0	0.12	COR	FS	
CA-FRE-3165	18722		NE QUAD	SUR	DBTG	3.0	3.2	2.9	3.0	3.0	3.1	3.0	0.11		FS	
CA-FRE-3165	18723		NE QUAD	SUR	DBTG	3.2	3.2	3.1	3.2	2.8	3.0	3.1	0.15	COR	FS	
CA-FRE-3165	18724		NE QUAD	SUR	DBTG	4.1	4.2	4.0	4.3	4.1	4.0	4.1	0.12		UNK	
CA-FRE-3165	18725		NE QUAD	SUR	DBTG	3.0	3.1	3.4	3.1	3.4	3.3	3.2	0.20		FS	
CA-FRE-3165	18726		NW QUAD	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	UNR	FS	
CA-FRE-3165	18727		NW QUAD	SUR	DBTG	3.5	3.7	3.4	3.7	3.5	3.7	3.6	0.13		UNK	
CA-FRE-3165	18728		NW QUAD	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	UNR	FS	
CA-FRE-3165	18729		NW QUAD	SUR	DBTG	3.1	3.0	3.1	3.0	3.2	3.1	3.1	0.06		FS	
CA-FRE-3165	18730		NW QUAD	SUR	DBTG	3.0	3.0	3.2	3.3	3.4	3.3	3.2	0.18	BEV, DIF	FS	
CA-FRE-3165	18731		SE QUAD	SUR	DBTG	3.2	3.0	3.0	3.0	3.0	3.1	3.0	0.10	DIF	FS	
CA-FRE-3165	18732		SE QUAD	SUR	DBTG	2.7	2.8	2.8	2.7	3.0	0.0	2.8	0.12	COR	UNK	
CA-FRE-3165	18733		SE QUAD	SUR	DBTG	2.8	3.0	3.1	3.1	3.2	3.1	3.0	0.13	BEV	FS	
CA-FRE-3165	18734		SE QUAD	SUR	DBTG	2.7	2.5	2.8	2.7	2.7	2.5	2.7	0.12		FS	
CA-FRE-3165	18735		SE QUAD	SUR	DBTG	3.2	3.4	3.3	3.4	3.3	3.5	3.3	0.10		UNK	
CA-FRE-3165	18736		SW QUAD	SUR	DBTG	3.0	3.2	2.8	2.8	3.1	3.1	3.0	0.14		FS	
CA-FRE-3165	18737		SW QUAD	SUR	DBTG	2.1	2.2	2.0	2.4	2.1	2.2	2.2	0.12	1ST RIM	FS	
CA-FRE-3165	18737		SW QUAD	SUR	DBTG	1.2	1.2	1.2	1.2	1.2	1.3	1.2	0.05	2ND RIM	FS	
CA-FRE-3165	18738		SW QUAD	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	UNR	FS	
CA-FRE-3165	18739		SW QUAD	SUR	DBTG	2.7	2.7	3.0	2.8	3.0	2.7	2.8	0.12		FS	
CA-FRE-3165	18740		SW QUAD	SUR	DBTG	3.7	3.8	3.9	3.5	3.8	4.0	3.8	0.17		UNK	
CA-FRE-3169	18778			SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	UNR	FS	
CA-FRE-3169	18779			SUR	DBTG	1.1	0.9	1.1	0.9	0.9	0.9	1.0	0.06		FS	
CA-FRE-3169	18780			SUR	DBTG	0.9	0.9	0.8	0.8	0.9	0.9	0.9	0.06	DIF	FS	
CA-FRE-3169	18781			SUR	DBTG	3.7	3.7	3.9	3.9	3.5	4.0	3.8	0.18	1ST RIM, DIF	FS	
CA-FRE-3169	18781			SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	2ND RIM, NVB	FS	
CA-FRE-3169	18782			SUR	DBTG	1.4	1.5	1.9	1.7	1.3	0.0	1.6	0.24		UNK	
CA-FRE-3169	18783			SUR	DBTG	1.4	1.7	1.4	1.5	1.5	1.2	1.4	0.17		FS	
CA-FRE-3169	18784			SUR	DBTG	3.2	3.4	3.4	3.2	3.5	3.4	3.4	0.14		FS	

Site	Cat No	Subcat	Unit	Depth	Descrip	R1	R2	R3	R4	R5	R6	Mean	St Dev	Comments	VIS	XRF
CA-FRE-3169	18785			SUR	DBTG	1.4	1.2	1.5	1.3	1.2	1.4	1.3	0.10		FS	
CA-FRE-3169	18786			SUR	DBTG	3.2	3.1	3.3	3.1	3.2	3.1	3.2	0.10		FS	
CA-FRE-3169	18787			SUR	DBTG	3.2	3.3	3.3	3.1	3.3	3.3	3.2	0.10		FS	
CA-FRE-3169	18788			SUR	DBTG	1.3	1.2	1.2	1.2	1.3	1.2	1.2	0.06		FS	
CA-FRE-3169	18789			SUR	DBTG	3.5	3.4	3.3	3.5	3.4	3.6	3.5	0.11		FS	
CA-FRE-3169	18790			SUR	DBTG	1.3	1.2	1.4	1.3	1.2	1.2	1.3	0.09		FS	
CA-FRE-3169	18791			SUR	DBTG	3.1	3.1	3.0	2.8	3.0	3.0	3.0	0.10	BEV	FS	
CA-FRE-3169	18792			SUR	DBTG	1.3	1.4	1.4	1.5	1.3	1.4	1.4	0.08		UNK	

Thesis Fieldwork Obsidian Hydration Readings

Site	Cat No	Subcat	Unit	Depth	Descrip	R1	R2	R3	R4	R5	R6	Mean	St Dev	Comments	VIS	XRF
CA-FRE-3102	18493			SUR	BIFACE	3.1	3.1	3.2	3.2	3.1	2.8	3.1	0.14	BEV	FS	
CA-FRE-3102	18494			SUR	FLKTL	4.5	4.2	4.5	4.6	4.3	4.3	4.4	0.14		FS	
CA-FRE-3102	18496			SUR	CORE	3.1	3.1	3.1	3.2	3.1	3.0	3.1	0.08	COR	FS	
CA-FRE-3102	18497			SUR	BIFACE	3.0	3.2	3.2	3.1	3.0	3.0	3.0	0.12	COR	FS	
CA-FRE-3102	18498			SUR	BIFACE	3.3	3.3	3.2	3.2	3.3	3.3	3.3	0.06		FS	
CA-FRE-3102	18501			SUR	BIFACE	3.4	3.3	3.4	3.2	3.2	3.2	3.3	0.12	COR	FS	
CA-FRE-3102	18502			SUR	BIFACE	5.0	4.8	4.8	5.1	5.0	5.1	5.0	0.11		FS	
CA-FRE-3102	18503	A	N0/W10	SUR	DBTG	3.1	2.8	3.0	2.7	3.0	3.0	2.9	0.14	1ST RIM	FS	
CA-FRE-3102	18503	A	N0/W10	SUR	DBTG	13.5	13.2	13.6	13.2	13.6	13.0	13.3	0.24	2ND RIM	FS	
CA-FRE-3102	18503	AA	N0/W10	SUR	DBTG	3.0	3.1	3.1	3.0	3.2	3.1	3.0	0.09		FS	
CA-FRE-3102	18503	B	N0/W10	SUR	DBTG	2.2	2.4	2.5	2.8	2.6	2.7	2.5	0.22	COR	FS	FS
CA-FRE-3102	18503	BB	N0/W10	SUR	DBTG	3.0	3.0	2.8	3.0	3.0	2.9	2.9	0.05		FS	
CA-FRE-3102	18503	C	N0/W10	SUR	DBTG	3.1	3.4	3.2	3.2	2.9	3.0	3.1	0.19		FS	
CA-FRE-3102	18503	D	N0/W10	SUR	DBTG	2.5	3.0	2.7	2.7	2.5	2.7	2.7	0.18	2ND RIM	FS	
CA-FRE-3102	18503	D	N0/W10	SUR	DBTG	3.8	3.6	3.5	3.4	3.4	3.5	3.5	0.14	1ST RIM	FS	
CA-FRE-3102	18503	E	N0/W10	SUR	DBTG	3.0	2.6	3.1	2.5	3.0	2.8	2.8	0.23	COR	FS	
CA-FRE-3102	18503	F	N0/W10	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	VAR	FS	FS
CA-FRE-3102	18503	G	N0/W10	SUR	DBTG	2.7	2.6	2.6	2.6	2.8	2.8	2.7	0.12		FS	
CA-FRE-3102	18503	H	N0/W10	SUR	DBTG	3.4	3.5	3.7	3.7	3.5	3.3	3.5	0.14		FS	
CA-FRE-3102	18503	I	N0/W10	SUR	DBTG	3.1	2.8	3.0	3.0	3.1	3.0	3.0	0.10		FS	
CA-FRE-3102	18503	J	N0/W10	SUR	DBTG	3.1	3.1	3.0	3.0	3.1	3.2	3.1	0.09	1ST RIM	FS	
CA-FRE-3102	18503	J	N0/W10	SUR	DBTG	1.3	1.1	0.9	0.9	1.1	1.3	1.1	0.16	2ND RIM	FS	
CA-FRE-3102	18503	K	N0/W10	SUR	DBTG	2.7	2.5	2.7	2.6	2.6	2.8	2.7	0.12		FS	
CA-FRE-3102	18503	L	N0/W10	SUR	DBTG	4.1	4.4	4.2	4.1	4.2	4.4	4.2	0.11		FS	
CA-FRE-3102	18503	M	N0/W10	SUR	DBTG	2.6	3.1	2.8	3.0	2.8	3.0	2.9	0.17		FS	

Site	Cat No	Subcat	Unit	Depth	Descrip	R1	R2	R3	R4	R5	R6	Mean	St Dev	Comments	VIS	XRF
CA-FRE-3102	18503	N	N0/W10	SUR	DBTG	3.5	3.7	3.5	3.6	3.4	3.7	3.6	0.09		FS	
CA-FRE-3102	18503	O	N0/W10	SUR	DBTG	3.0	2.7	2.9	2.7	2.8	2.9	2.8	0.11	COR	FS	
CA-FRE-3102	18503	P	N0/W10	SUR	DBTG	3.0	2.9	3.0	2.8	2.8	2.8	2.9	0.07		FS	
CA-FRE-3102	18503	Q	N0/W10	SUR	DBTG	3.2	3.3	3.1	3.1	2.9	3.0	3.1	0.14		FS	
CA-FRE-3102	18503	R	N0/W10	SUR	DBTG	2.9	3.0	3.0	3.1	3.0	2.7	2.9	0.12		FS	
CA-FRE-3102	18503	S	N0/W10	SUR	DBTG	3.2	3.2	3.3	3.3	3.2	3.1	3.2	0.09		FS	
CA-FRE-3102	18503	T	N0/W10	SUR	DBTG	2.7	2.6	2.8	2.6	2.8	2.6	2.7	0.12		FS	
CA-FRE-3102	18503	U	N0/W10	SUR	DBTG	3.0	3.0	3.1	3.2	3.1	3.1	3.1	0.09	COR	FS	
CA-FRE-3102	18503	V	N0/W10	SUR	DBTG	3.3	3.2	3.4	3.4	3.3	3.5	3.4	0.12		FS	
CA-FRE-3102	18503	W	N0/W10	SUR	DBTG	2.7	2.8	2.8	2.7	2.7	2.7	2.7	0.03		FS	
CA-FRE-3102	18503	X	N0/W10	SUR	DBTG	2.7	3.0	2.7	2.8	3.1	3.0	2.9	0.14		FS	
CA-FRE-3102	18503	Y	N0/W10	SUR	DBTG	3.1	3.0	2.9	3.0	3.0	3.1	3.0	0.09		FS	
CA-FRE-3102	18503	Z	N0/W10	SUR	DBTG	2.7	2.6	2.7	2.7	2.6	2.6	2.6	0.05	COR	FS	
CA-FRE-3102	18504	A	N0/W30	SUR	DBTG	3.1	3.1	3.0	3.0	3.0	3.1	3.0	0.06		FS	
CA-FRE-3102	18504	B	N0/W30	SUR	DBTG	4.6	4.6	4.5	4.2	4.6	4.5	4.5	0.14	BEV, PAT	FS	
CA-FRE-3102	18504	C	N0/W30	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	VAR	FS	
CA-FRE-3102	18504	D	N0/W30	SUR	DBTG	3.1	2.8	3.1	2.8	2.8	2.8	2.9	0.12		FS	
CA-FRE-3102	18504	E	N0/W30	SUR	DBTG	3.2	3.1	3.2	3.5	3.4	3.3	3.3	0.15	BEV	FS	
CA-FRE-3102	18504	F	N0/W30	SUR	DBTG	5.0	5.1	5.1	5.0	4.8	5.1	5.0	0.12		FS	
CA-FRE-3102	18504	G	N0/W30	SUR	DBTG	4.1	4.3	4.1	4.3	4.0	4.1	4.2	0.12		FS	
CA-FRE-3102	18504	H	N0/W30	SUR	DBTG	3.8	3.8	3.9	3.8	3.8	3.8	3.8	0.05		FS	
CA-FRE-3102	18504	I	N0/W30	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	BEV, COR	FS	
CA-FRE-3102	18504	J	N0/W30	SUR	DBTG	4.0	3.9	3.8	3.9	4.0	3.9	3.9	0.09		FS	
CA-FRE-3102	18504	K	N0/W30	SUR	DBTG	3.1	3.1	3.0	3.1	3.0	3.1	3.0	0.07	COR	FS	
CA-FRE-3102	18505	A	S20/E10	SUR	DBTG	3.4	3.4	3.4	3.4	3.4	3.5	3.4	0.05		FS	FS
CA-FRE-3102	18505	B	S20/E10	SUR	DBTG	4.1	4.0	4.2	4.0	4.0	4.3	4.1	0.13		FS	
CA-FRE-3102	18505	C	S20/E10	SUR	DBTG	3.1	3.1	3.0	3.0	3.0	3.0	3.0	0.06	COR	FS	
CA-FRE-3102	18505	D	S20/E10	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	VAR	FS	
CA-FRE-3102	18505	E	S20/E10	SUR	DBTG	3.0	2.9	3.1	3.1	3.1	3.1	3.0	0.08		FS	

Site	Cat No	Subcat	Unit	Depth	Descrip	R1	R2	R3	R4	R5	R6	Mean	St Dev	Comments	VIS	XRF
CA-FRE-3102	18505	F	S20/E10	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	BEV	FS	
CA-FRE-3102	18505	G	S20/E10	SUR	DBTG	3.2	3.2	3.1	3.1	3.1	3.1	3.1	0.07		FS	
CA-FRE-3102	18505	H	S20/E10	SUR	DBTG	3.5	3.5	3.5	3.5	3.5	3.5	3.5	0.03		FS	
CA-FRE-3105	18518			SUR	PRJPT	1.1	1.1	1.1	1.0	1.1	1.1	1.1	0.04		FS	
CA-FRE-3105	18519	A	F5UNIT 1	0-10	DBTG	1.1	0.9	1.1	1.1	1.1	1.1	1.1	0.06		FS	
CA-FRE-3105	18519	B	F5UNIT 1	0-10	DBTG	1.2	1.3	1.2	1.1	1.1	1.3	1.2	0.11		FS	
CA-FRE-3105	18519	C	F5UNIT 1	0-10	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	BEV	FS	
CA-FRE-3105	18519	D	F5UNIT 1	0-10	DBTG	1.2	1.1	1.2	1.2	1.1	1.1	1.1	0.06		FS	
CA-FRE-3105	18521	A	F5UNIT 1	0-10	DBTG	0.9	1.1	1.1	1.1	0.9	1.1	1.0	0.07		FS	
CA-FRE-3105	18521	B	F5UNIT 1	0-10	DBTG	1.2	1.2	1.1	1.2	1.3	1.3	1.2	0.09		FS	
CA-FRE-3105	18522	A	F5UNIT 1	0-10	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	UNR	FS	
CA-FRE-3105	18522	B	F5UNIT 1	0-10	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	BEV	FS	
CA-FRE-3105	18522	C	F5UNIT 1	0-10	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	BEV	FS	
CA-FRE-3105	18522	D	F5UNIT 1	0-10	DBTG	1.3	1.1	1.1	1.4	1.2	1.1	1.2	0.11	COR	FS	
CA-FRE-3105	18522	E	F5UNIT 1	0-10	DBTG	1.2	1.2	1.2	1.2	1.4	1.2	1.2	0.10		FS	
CA-FRE-3105	18522	F	F5UNIT 1	0-10	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	NVB	FS	
CA-FRE-3105	18522	G	F5UNIT 1	0-10	DBTG	1.1	1.2	1.1	1.1	1.2	1.1	1.1	0.06	2ND VAR RIM CA. 3.9	FS	
CA-FRE-3105	18522	H	F5UNIT 1	0-10	DBTG	0.9	1.1	0.9	1.1	1.0	1.1	1.0	0.06		FS	
CA-FRE-3105	18522	I	F5UNIT 1	0-10	DBTG	0.9	0.9	1.0	0.9	0.9	0.9	1.0	0.02		FS	
CA-FRE-3105	18522	J	F5UNIT 1	0-10	DBTG	0.9	1.0	0.9	1.1	1.1	0.9	1.0	0.06		FS	
CA-FRE-3105	18524	A	F5UNIT 1	10-20	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	UNR	FS	
CA-FRE-3105	18524	B	F5UNIT 1	10-20	DBTG	1.2	1.1	1.1	1.2	1.1	1.1	1.1	0.06		FS	
CA-FRE-3105	18524	C	F5UNIT 1	10-20	DBTG	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.00		FS	
CA-FRE-3105	18524	D	F5UNIT 1	10-20	DBTG	0.9	0.9	0.9	0.9	0.9	1.1	1.0	0.05		FS	
CA-FRE-3105	18524	E	F5UNIT 1	10-20	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	BEV	FS	
CA-FRE-3105	18524	F	F5UNIT 1	10-20	DBTG	1.0	0.9	0.9	1.1	1.1	1.1	1.0	0.06		FS	
CA-FRE-3105	18524	G	F5UNIT 1	10-20	DBTG	0.9	0.9	0.9	1.1	1.1	0.9	1.0	0.06		FS	
CA-FRE-3105	18528	A	F5UNIT 1	10-20	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	BEV	FS	
CA-FRE-3105	18528	B	F5UNIT 1	10-20	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	UNR	FS	

Site	Cat No	Subcat	Unit	Depth	Descrip	R1	R2	R3	R4	R5	R6	Mean	St Dev	Comments	VIS	XRF
CA-FRE-3105	18528	C	F5UNIT 1	10-20	DBTG	0.9	0.9	1.0	0.9	1.1	1.1	1.0	0.07	COR	FS	
CA-FRE-3105	18528	D	F5UNIT 1	10-20	DBTG	1.1	1.1	1.2	1.1	1.1	1.2	1.1	0.06		FS	
CA-FRE-3105	18528	E	F5UNIT 1	10-20	DBTG	0.9	0.8	0.9	0.8	0.8	0.8	0.9	0.06		FS	
CA-FRE-3105	18528	F	F5UNIT 1	10-20	DBTG	0.9	0.9	0.8	0.8	0.9	0.9	0.9	0.06		FS	
CA-FRE-3105	18528	G	F5UNIT 1	10-20	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	BEV, UNR	FS	
CA-FRE-3105	18531		F5UNIT 1	10-20	BIFACE	1.1	0.8	0.9	1.1	1.1	0.9	1.0	0.11		FS	
CA-FRE-3105	18541		F1UNIT 1	0-10	PRJPT	0.9	0.8	1.1	1.0	1.1	1.1	1.0	0.12		FS	
CA-FRE-3105	18542		F1UNIT 1	0-10	FLKTL	1.1	0.9	1.0	1.1	1.2	0.9	1.0	0.09		FS	
CA-FRE-3105	18544	A	F1UNIT 1	0-10	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	BEV, UNR	FS	
CA-FRE-3105	18544	B	F1UNIT 1	0-10	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	BEV, UNR	FS	
CA-FRE-3105	18544	C	F1UNIT 1	0-10	DBTG	1.3	1.3	1.3	1.3	1.4	1.3	1.3	0.02		FS	
CA-FRE-3105	18544	D	F1UNIT 1	0-10	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	SAW, UNR	FS	
CA-FRE-3105	18544	E	F1UNIT 1	0-10	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	SAW, UNR	FS	
CA-FRE-3105	18544	F	F1UNIT 1	0-10	DBTG	1.2	1.1	1.3	1.3	1.1	1.2	1.2	0.11		FS	
CA-FRE-3105	18544	G	F1UNIT 1	0-10	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	BEV, UNR	FS	
CA-FRE-3105	18544	H	F1UNIT 1	0-10	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	BEV, UNR	FS	
CA-FRE-3105	18544	I	F1UNIT 1	0-10	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	UNR	FS	
CA-FRE-3105	18544	J	F1UNIT 1	0-10	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	UNR	FS	
CA-FRE-3105	18544	K	F1UNIT 1	0-10	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	BEV	FS	
CA-FRE-3105	18544	L	F1UNIT 1	0-10	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	BEV	FS	
CA-FRE-3105	18544	M	F1UNIT 1	0-10	DBTG	1.3	1.3	1.3	1.4	1.3	1.4	1.3	0.05		FS	
CA-FRE-3105	18544	N	F1UNIT 1	0-10	DBTG	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.06	DIF	FS	
CA-FRE-3105	18544	O	F1UNIT 1	0-10	DBTG	0.9	1.2	1.1	0.9	0.9	1.2	1.0	0.12	BEV	FS	
CA-FRE-3105	18544	P	F1UNIT 1	0-10	DBTG	0.8	0.8	0.9	0.9	0.8	0.9	0.9	0.06	DIF	FS	
CA-FRE-3105	18550		F1UNIT 1	0-10	BIFACE	0.8	0.8	0.9	0.9	1.1	1.0	0.9	0.09		FS	
CA-FRE-3105	18557	A	F1UNIT 1	20-25	DBTG	1.1	1.1	1.1	1.2	1.1	1.1	1.1	0.05		FS	
CA-FRE-3105	18557	B	F1UNIT 1	20-25	DBTG	0.9	0.9	0.8	0.9	0.8	0.8	0.9	0.03		FS	
CA-FRE-3105	18557	C	F1UNIT 1	20-25	DBTG	1.1	1.1	1.1	1.1	1.1	1.1	1.1	0.02		FS	
CA-FRE-3105	18557	D	F1UNIT 1	20-25	DBTG	1.1	0.9	1.1	1.1	0.9	1.1	1.0	0.07		FS	

Site	Cat No	Subcat	Unit	Depth	Descrip	R1	R2	R3	R4	R5	R6	Mean	St Dev	Comments	VIS	XRF
CA-FRE-3105	18557	E	F1UNIT 1	20-25	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	BEV, UNR	FS	
CA-FRE-3105	18557	F	F1UNIT 1	20-25	DBTG	0.9	1.0	0.9	0.9	0.9	0.9	0.9	0.04		FS	
CA-FRE-3105	18557	G	F1UNIT 1	20-25	DBTG	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.02		FS	
CA-FRE-3160	18608			SUR	BIFACE	1.8	1.8	1.9	1.8	1.7	1.7	1.8	0.09	BEV	FS	
CA-FRE-3160	18610			SUR	PRJPT	3.0	3.2	2.8	3.1	3.0	3.1	3.0	0.12		FS	
CA-FRE-3160	18611			SUR	FRMFLKT	3.1	2.8	3.1	3.1	2.8	3.0	3.0	0.12		FS	
CA-FRE-3160	18612			SUR	DBTG	7.4	7.7	7.7	7.7	7.7	7.4	7.6	0.12		FS	
CA-FRE-3160	18614	A	N5/W10	SUR	DBTG	3.1	2.9	3.0	2.8	2.8	2.9	2.9	0.12		FS	
CA-FRE-3160	18614	B	N5/W10	SUR	DBTG	3.1	3.1	3.0	3.0	3.1	3.0	3.0	0.07	COR	FS	FS
CA-FRE-3160	18614	C	N5/W10	SUR	DBTG	5.0	5.2	5.3	5.1	5.1	5.1	5.1	0.12		FS	
CA-FRE-3160	18614	D	N5/W10	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	BEV	FS	
CA-FRE-3160	18614	E	N5/W10	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	BEV	FS	
CA-FRE-3160	18614	F	N5/W10	SUR	DBTG	4.2	4.2	4.1	4.2	4.1	4.1	4.2	0.05		FS	
CA-FRE-3160	18614	G	N5/W10	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	BEV	FS	
CA-FRE-3160	18614	H	N5/W10	SUR	DBTG	2.8	3.1	3.0	2.7	2.9	2.8	2.9	0.12		FS	
CA-FRE-3160	18614	I	N5/W10	SUR	DBTG	2.7	2.6	2.7	2.7	2.7	2.6	2.7	0.06		FS	
CA-FRE-3160	18614	J	N5/W10	SUR	DBTG	2.7	2.6	2.7	2.7	2.7	2.7	2.7	0.04		FS	
CA-FRE-3160	18614	K	N5/W10	SUR	DBTG	2.7	2.7	2.7	2.5	2.6	2.5	2.6	0.08		FS	
CA-FRE-3160	18614	L	N5/W10	SUR	DBTG	2.8	2.8	2.8	2.6	2.7	2.7	2.7	0.09		FS	
CA-FRE-3160	18614	M	N5/W10	SUR	DBTG	2.7	2.8	2.8	2.7	2.7	2.7	2.7	0.05		FS	
CA-FRE-3160	18615	A	N4.5/E5	SUR	DBTG	4.1	4.2	4.4	4.4	4.1	4.2	4.3	0.12		FS	
CA-FRE-3160	18615	B	N4.5/E5	SUR	DBTG	3.7	3.7	3.4	3.5	3.4	3.7	3.6	0.14	1ST RIM	FS	FS
CA-FRE-3160	18615	B	N4.5/E5	SUR	DBTG	2.4	2.2	2.0	2.4	2.4	2.0	2.2	0.17	2ND RIM	FS	FS
CA-FRE-3160	18615	C	N4.5/E5	SUR	DBTG	2.7	2.9	2.8	2.8	2.8	2.8	2.8	0.06		FS	
CA-FRE-3160	18615	D	N4.5/E5	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	BEV, COR	FS	
CA-FRE-3160	18615	E	N4.5/E5	SUR	DBTG	2.8	2.8	2.8	3.0	3.1	2.8	2.9	0.12	COR	FS	
CA-FRE-3160	18615	F	N4.5/E5	SUR	DBTG	3.1	3.0	3.1	3.0	2.8	3.1	3.0	0.11		FS	
CA-FRE-3160	18615	G	N4.5/E5	SUR	DBTG	2.7	2.4	2.2	2.5	2.4	2.5	2.5	0.16	COR	FS	
CA-FRE-3160	18615	H	N4.5/E5	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	BEV, UNR, COR	FS	

Site	Cat No	Subcat	Unit	Depth	Descrip	R1	R2	R3	R4	R5	R6	Mean	St Dev	Comments	VIS	XRF
CA-FRE-3160	18615	I	N4.5/E5	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	COR, UNR	FS	
CA-FRE-3160	18615	J	N4.5/E5	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	BEV, UNR	FS	
CA-FRE-3160	18615	K	N4.5/E5	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	BEV	FS	
CA-FRE-3160	18615	L	N4.5/E5	SUR	DBTG	2.6	2.6	2.4	2.5	2.6	2.5	2.5	0.10		FS	
CA-FRE-3160	18615	M	N4.5/E5	SUR	DBTG	2.8	2.8	2.7	2.7	2.8	2.8	2.8	0.05		FS	
CA-FRE-3160	18616	A	S7.5/W40	SUR	DBTG	3.5	3.3	3.5	3.2	3.5	3.2	3.4	0.17		FS	
CA-FRE-3160	18616	B	S7.5/W40	SUR	DBTG	4.2	4.0	4.1	4.2	4.1	4.0	4.1	0.09	COR	FS	
CA-FRE-3160	18616	C	S7.5/W40	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	VAR	FS	
CA-FRE-3160	18616	D	S7.5/W40	SUR	DBTG	3.3	3.3	3.2	3.3	3.4	3.2	3.3	0.09		FS	FS
CA-FRE-3160	18616	E	S7.5/W40	SUR	DBTG	3.9	4.0	3.9	4.2	3.9	4.1	4.0	0.13	COR	FS	
CA-FRE-3160	18616	F	S7.5/W40	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	UNR	FS	
CA-FRE-3160	18616	G	S7.5/W40	SUR	DBTG	3.7	3.7	3.5	3.8	3.8	3.8	3.7	0.09		FS	
CA-FRE-3163	18675		N0/W5	SUR	BIFACE	2.8	3.1	3.1	2.8	2.8	3.0	2.9	0.12	1ST RIM, BEV	FS	
CA-FRE-3163	18675		N0/W5	SUR	BIFACE	0.9	1.1	1.1	0.9	1.1	0.9	1.0	0.06	2ND RIM	FS	
CA-FRE-3163	18679		S5/E0	SUR	DBTG	1.1	1.1	1.2	1.2	0.9	1.2	1.1	0.10		FS	
CA-FRE-3163	18680	A	N4.5/W0.5	SUR	DBTG	1.5	1.3	1.4	1.4	1.5	1.4	1.4	0.09		FS	
CA-FRE-3163	18680	B	N4.5/W0.5	SUR	DBTG	1.6	1.5	1.4	1.4	1.4	1.4	1.5	0.08		FS	
CA-FRE-3163	18680	C	N4.5/W0.5	SUR	DBTG	2.1	2.4	2.0	2.0	2.2	2.2	2.2	0.14		FS	FS
CA-FRE-3163	18680	D	N4.5/W0.5	SUR	DBTG	1.4	1.3	1.3	1.1	1.3	1.2	1.3	0.10	BEV	FS	
CA-FRE-3163	18680	E	N4.5/W0.5	SUR	DBTG	1.4	1.5	1.4	1.5	1.5	1.5	1.5	0.07		FS	
CA-FRE-3163	18680	F	N4.5/W0.5	SUR	DBTG	1.6	1.6	1.4	1.5	1.5	1.5	1.5	0.07		FS	
CA-FRE-3163	18680	G	N4.5/W0.5	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	DIF, VAR, CA. 4.6	UNK	FS
CA-FRE-3163	18680	H	N4.5/W0.5	SUR	DBTG	2.1	2.1	2.1	2.1	2.2	2.1	2.1	0.02		UNK	FS
CA-FRE-3163	18680	I	N4.5/W0.5	SUR	DBTG	2.7	2.6	2.6	2.7	2.6	2.7	2.7	0.06	COR	UNK	FS
CA-FRE-3163	18680	J	N4.5/W0.5	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	UNR	UNK	FS
CA-FRE-3163	18680	K	N4.5/W0.5	SUR	DBTG	1.8	1.7	1.8	1.8	1.7	1.8	1.7	0.06		UNK	FS
CA-FRE-3163	18681	A	S3.5/E0.5	SUR	DBTG	1.8	1.8	1.7	1.6	1.8	1.7	1.7	0.07		FS	
CA-FRE-3163	18681	B	S3.5/E0.5	SUR	DBTG	0.8	1.1	0.9	1.2	1.1	1.2	1.0	0.14		FS	FS
CA-FRE-3163	18681	C	S3.5/E0.5	SUR	DBTG	2.5	2.5	2.4	2.6	2.5	2.4	2.5	0.06		FS	

Site	Cat No	Subcat	Unit	Depth	Descrip	R1	R2	R3	R4	R5	R6	Mean	St Dev	Comments	VIS	XRF
CA-FRE-3163	18681	D	S3.5/E0.5	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	UNR, COR	FS	
CA-FRE-3163	18681	E	S3.5/E0.5	SUR	DBTG	2.2	2.2	2.2	2.2	2.3	2.1	2.2	0.06		FS	
CA-FRE-3163	18681	F	S3.5/E0.5	SUR	DBTG	2.2	2.2	2.1	2.2	2.2	2.3	2.2	0.06	1ST RIM	FS	
CA-FRE-3163	18681	F	S3.5/E0.5	SUR	DBTG	3.1	2.8	3.1	3.1	3.1	3.0	3.0	0.10	2ND RIM	UNK	FS
CA-FRE-3163	18681	G	S3.5/E0.5	SUR	DBTG	2.5	2.7	2.7	2.6	2.7	2.5	2.6	0.10	COR, FAINT BAND	UNK	FS
CA-FRE-3165	18716		S5/E10	SUR	FLKTL	2.7	2.7	2.8	2.6	2.8	2.6	2.7	0.11		FS	
CA-FRE-3165	18717		S5/E10	SUR	FLKTL	3.3	3.2	3.2	3.2	3.2	3.2	3.2	0.05		FS	
CA-FRE-3165	18718	A	S5/E10	SUR	DBTG	2.8	2.6	2.8	2.8	2.8	2.6	2.7	0.10	COR	FS	
CA-FRE-3165	18718	B	S5/E10	SUR	DBTG	2.6	2.8	2.6	2.5	2.7	2.8	2.7	0.14	COR	FS	
CA-FRE-3165	18719	A	S2/E10	SUR	DBTG	3.2	3.2	3.3	3.2	3.0	3.1	3.1	0.12		FS	
CA-FRE-3165	18719	B	S2/E10	SUR	DBTG	2.7	2.8	2.6	2.7	2.8	2.8	2.7	0.09		FS	
CA-FRE-3165	18719	C	S2/E10	SUR	DBTG	3.1	3.1	3.0	3.1	3.1	3.0	3.0	0.07		FS	
CA-FRE-3165	18719	D	S2/E10	SUR	DBTG	3.0	3.1	2.8	3.0	2.9	3.1	3.0	0.09		FS	
CA-FRE-3165	18719	E	S2/E10	SUR	DBTG	3.1	3.0	3.2	3.0	3.1	3.0	3.0	0.10		FS	
CA-FRE-3165	18719	F	S2/E10	SUR	DBTG	3.0	3.1	2.8	2.8	3.0	3.0	2.9	0.09		FS	
CA-FRE-3165	18719	G	S2/E10	SUR	DBTG	3.2	3.2	3.1	3.1	3.2	3.1	3.1	0.06	COR	FS	
CA-FRE-3165	18719	H	S2/E10	SUR	DBTG	2.7	2.9	3.0	3.1	3.1	2.8	2.9	0.14		FS	
CA-FRE-3165	18719	I	S2/E10	SUR	DBTG	2.2	2.1	2.5	2.4	2.4	2.4	2.3	0.12	COR	FS	
CA-FRE-3165	18719	J	S2/E10	SUR	DBTG	3.0	3.0	2.7	2.8	2.8	3.0	2.9	0.12		FS	
CA-FRE-3165	18720	A	S5/E11	SUR	DBTG	3.8	3.9	3.8	3.5	3.8	3.8	3.8	0.12		FS	
CA-FRE-3165	18720	B	S5/E11	SUR	DBTG	3.4	3.3	3.4	3.5	3.4	3.3	3.4	0.07		FS	FS
CA-FRE-3165	18720	C	S5/E11	SUR	DBTG	3.2	3.0	2.8	3.0	2.9	3.1	3.0	0.13		FS	
CA-FRE-3165	18720	D	S5/E11	SUR	DBTG	3.0	3.5	3.2	3.2	3.0	3.2	3.2	0.19		FS	
CA-FRE-3165	18720	E	S5/E11	SUR	DBTG	4.3	4.2	4.5	4.2	4.4	4.4	4.3	0.10	1ST RIM	FS	
CA-FRE-3165	18720	E	S5/E11	SUR	DBTG	3.5	3.4	3.2	3.3	3.2	3.3	3.3	0.11	2ND RIM	FS	
CA-FRE-3165	18720	F	S5/E11	SUR	DBTG	3.7	3.5	3.5	3.5	3.5	3.8	3.6	0.11		FS	
CA-FRE-3165	18720	G	S5/E11	SUR	DBTG	2.7	2.5	2.8	2.8	2.7	2.7	2.7	0.12		FS	
CA-FRE-3165	18720	H	S5/E11	SUR	DBTG	1.1	1.1	1.1	1.1	0.9	1.1	1.1	0.06		FS	
CA-FRE-3165	18720	I	S5/E11	SUR	DBTG	2.6	2.4	2.5	2.6	2.5	2.7	2.5	0.12		FS	

Site	Cat No	Subcat	Unit	Depth	Descrip	R1	R2	R3	R4	R5	R6	Mean	St Dev	Comments	VIS	XRF
CA-FRE-3165	18720	J	S5/E11	SUR	DBTG	2.7	2.7	2.7	2.5	2.5	2.7	2.6	0.11		FS	
CA-FRE-3165	18720	K	S5/E11	SUR	DBTG	3.2	3.1	2.8	3.1	3.1	3.1	3.1	0.14		FS	
CA-FRE-3165	18720	L	S5/E11	SUR	DBTG	3.3	3.5	3.1	3.4	3.0	3.4	3.3	0.21		FS	
CA-FRE-3165	18720	M	S5/E11	SUR	DBTG	2.6	2.9	2.8	2.6	2.8	2.8	2.8	0.13		FS	
CA-FRE-3165	18720	N	S5/E11	SUR	DBTG	1.7	1.7	1.8	1.8	1.8	1.8	1.7	0.06		FS	
CA-FRE-3165	18720	O	S5/E11	SUR	DBTG	2.8	3.1	2.8	3.0	2.9	2.9	2.9	0.11		FS	
CA-FRE-3165	18720	P	S5/E11	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	UNR	FS	
CA-FRE-3165	18720	Q	S5/E11	SUR	DBTG	3.2	3.5	3.7	3.4	3.5	3.4	3.5	0.15	COR	FS	
CA-FRE-3169	18762			SUR	PRJPT	1.8	1.9	1.7	1.5	1.7	1.4	1.7	0.17		FS	
CA-FRE-3169	18764	A	N15/W10	SUR	DBTG	1.2	1.3	1.3	1.2	1.3	1.3	1.3	0.06		FS	
CA-FRE-3169	18764	B	N15/W10	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	UNR	FS	
CA-FRE-3169	18764	C	N15/W10	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	UNR	FS	
CA-FRE-3169	18765		S15/E5	SUR	BIFACE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	NVB	FS	
CA-FRE-3169	18766		S15/E5	SUR	BIFACE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	NVB	FS	
CA-FRE-3169	18768		S15/E5	SUR	FLKTL	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	NVB	FS	
CA-FRE-3169	18769		S15/E5	SUR	FLKTL	0.9	0.8	0.9	0.9	0.9	0.8	0.9	0.06		FS	
CA-FRE-3169	18770		S15/E5	SUR	FLKTL	6.4	6.5	6.5	6.3	6.4	6.4	6.4	0.09		FS	
CA-FRE-3169	18772	A	N19.5/W5	SUR	DBTG	2.9	3.0	2.8	3.1	2.8	2.9	2.9	0.10	COR	FS	
CA-FRE-3169	18772	B	N19.5/W5	SUR	DBTG	2.8	3.0	3.0	2.9	3.1	3.0	2.9	0.08		FS	FS
CA-FRE-3169	18772	C	N19.5/W5	SUR	DBTG	0.9	1.1	0.9	0.9	1.1	0.9	1.0	0.07		FS	
CA-FRE-3169	18772	D	N19.5/W5	SUR	DBTG	3.5	3.5	3.3	3.3	3.5	3.3	3.4	0.13	BEV	FS	
CA-FRE-3169	18772	E	N19.5/W5	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	BEV, UNR	FS	
CA-FRE-3169	18772	F	N19.5/W5	SUR	DBTG	3.3	3.2	3.1	3.3	3.2	3.2	3.2	0.09		FS	
CA-FRE-3169	18772	G	N19.5/W5	SUR	DBTG	3.1	2.8	2.8	3.0	2.8	3.0	2.9	0.10		FS	
CA-FRE-3169	18772	H	N19.5/W5	SUR	DBTG	3.5	3.3	3.4	3.4	3.5	3.3	3.4	0.09		FS	
CA-FRE-3169	18772	I	N19.5/W5	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	BEV, UNR, COR	FS	
CA-FRE-3169	18772	J	N19.5/W5	SUR	DBTG	3.0	2.9	3.0	3.0	2.8	3.1	3.0	0.09		FS	
CA-FRE-3169	18772	K	N19.5/W5	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	BEV, UNR	FS	
CA-FRE-3169	18772	L	N19.5/W5	SUR	DBTG	3.5	3.5	3.5	3.4	3.3	3.4	3.4	0.09		FS	

Site	Cat No	Subcat	Unit	Depth	Descrip	R1	R2	R3	R4	R5	R6	Mean	St Dev	Comments	VIS	XRF
CA-FRE-3169	18772	M	N19.5/W5	SUR	DBTG	0.8	0.9	0.9	1.1	1.0	0.9	1.0	0.08		FS	
CA-FRE-3169	18773	A	S12/E7.5	SUR	DBTG	3.0	3.1	3.0	3.1	3.0	3.0	3.0	0.04		FS	
CA-FRE-3169	18773	B	S12/E7.5	SUR	DBTG	2.4	2.7	2.5	2.4	2.5	2.5	2.5	0.11		FS	
CA-FRE-3169	18773	C	S12/E7.5	SUR	DBTG	1.1	0.9	0.9	1.0	1.0	0.9	1.0	0.05		FS	
CA-FRE-3169	18773	D	S12/E7.5	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	NVB	FS	
CA-FRE-3169	18773	E	S12/E7.5	SUR	DBTG	2.6	2.4	2.4	2.5	2.4	2.4	2.4	0.09		FS	
CA-FRE-3169	18773	F	S12/E7.5	SUR	DBTG	0.8	0.9	0.8	0.8	0.9	0.9	0.9	0.06	FAINT BAND	FS	
CA-FRE-3169	18773	G	S12/E7.5	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	NVB	FS	
CA-FRE-3169	18773	H	S12/E7.5	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	NVB	FS	
CA-FRE-3169	18773	I	S12/E7.5	SUR	DBTG	0.9	0.8	0.9	0.8	0.8	0.8	0.9	0.06		FS	
CA-FRE-3169	18773	J	S12/E7.5	SUR	DBTG	2.7	2.5	2.6	2.5	2.6	2.6	2.6	0.09		FS	
CA-FRE-3169	18773	K	S12/E7.5	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	NVB	FS	
CA-FRE-3169	18773	L	S12/E7.5	SUR	DBTG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.00	NVB	FS	
CA-FRE-3169	18773	M	S12/E7.5	SUR	DBTG	3.0	2.8	2.8	2.7	3.0	2.7	2.8	0.11		FS	

Note: BEV = Beveled, BUR = Burned, COR = Cortex; one or more bands were sufficiently large to be considered natural cortex, DIF = Diffuse band, NVB = No visible band, PAT = Patinated, SAW = Sawcuts, UNR = Unreadable, VAR = Variable band, WEA = Weathered

Appendix B

RADIOCARBON DATING RESULTS

Beta Analytic Inc.
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beta@radiocarbon.com
www.radiocarbon.com

Consistent Accuracy
Delivered On Time.

MR. DARDEN HOOD
Director

Mr. Ronald Hatfield
Mr. Christopher Patrick
Deputy Directors

May 23, 2002

Dr. Wendy Pierce
California State University, Sacramento
Department of Anthropology
6000 J Street
Sacramento, CA 95819
USA

RE: Radiocarbon Dating Result For Sample CAFRE310501

Dear Wendy:

Enclosed is the radiocarbon dating result for one sample recently sent to us. It provided plenty of carbon for an accurate measurement and the analysis went normally. The report sheet contains the method used, material type, applied pretreatments and, where applicable, the two sigma calendar calibration range.

As always, this report has been both mailed and sent electronically. All results (excluding some inappropriate material types) which are less than about 20,000 years BP and more than about ~250 BP include this calendar calibration page (also digitally available in Windows metafile (.wmf) format upon request). Calibration is calculated using the newest (1998) calibration database with references quoted on the bottom of the page. Multiple probability ranges may appear in some cases, due to short-term variations in the atmospheric 14C contents at certain time periods. Examining the calibration graph will help you understand this phenomenon. Don't hesitate to contact us if you have questions about calibration.

We analyzed this sample on a sole priority basis. No students or intern researchers who would necessarily be distracted with other obligations and priorities were used in the analysis. We analyzed it with the combined attention of our entire professional staff.

Information pages are also enclosed with the mailed copy of this report. If you have any specific questions about the analysis, please do not hesitate to contact us.

Our invoice is enclosed. Please, forward it to the appropriate officer or send VISA change authorization. Thank you. As always, if you have any questions or would like to discuss the results, don't hesitate to contact me.

Sincerely,

Darden Hood

BETA

BETA ANALYTIC INC.

DR. M.A. TAMERS and MR. D.G. HOOD

UNIVERSITY BRANCH
4985 S.W. 74 COURT
MIAMI, FLORIDA, USA 33155
PH: 305/667-5167 FAX: 305/663-0964
E-MAIL: beta@radiocarbon.com

REPORT OF RADIOCARBON DATING ANALYSES

Dr. Wendy Pierce — Report Date: 5/23/02

California State University, Sacramento — Material Received: 5/7/02

Sample Data	Measured Radiocarbon Age	13C/12C Ratio	Conventional Radiocarbon Age(*)
Beta - 167129	1190 +/- 60 BP	-25.0* o/oo	1190 +/- 60* BP

SAMPLE : CAFRE310501
ANALYSIS : Radiometric-Standard delivery
MATERIAL/PRETREATMENT : (charred material): acid/alkali/acid
2 SIGMA CALIBRATION : Cal AD 690 to 990 (Cal BP 1260 to 960)

Dates are reported as RCYBP (radiocarbon years before present, "present" = 1950A.D.). By International convention, the modern reference standard was 95% of the C14 content of the National Bureau of Standards' Oxalic Acid & calculated using the Libby C14 half life (5568 years). Quoted errors represent 1 standard deviation statistics (68% probability) & are based on combined measurements of the sample, background, and modern reference standards.

Measured C13/C12 ratios were calculated relative to the PDB-1 international standard and the RCYBP ages were normalized to -25 per mil. If the ratio and age are accompanied by an (*), then the C13/C12 value was estimated, based on values typical of the material type. The quoted results are NOT calibrated to calendar years. Calibration to calendar years should be calculated using the Conventional C14 age.

CALIBRATION OF RADIOCARBON AGE TO CALENDAR YEARS

(Variables: est. C13/C12=-25:lab. mult=1)

Laboratory number: **Beta-167129**

Conventional radiocarbon age[1]: **1190±60 BP**

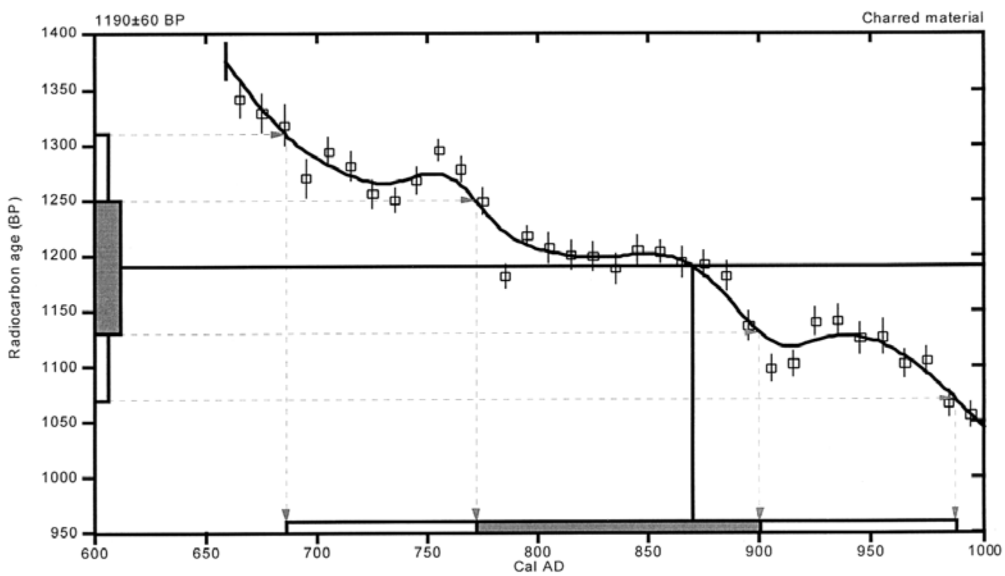
2 Sigma calibrated result: (95% probability) **Cal AD 690 to 990 (Cal BP 1260 to 960)**

[1] *C13/C12 ratio estimated*

Intercept data

Intercept of radiocarbon age with calibration curve: Cal AD 870 (Cal BP 1080)

1 Sigma calibrated result: (68% probability) Cal AD 770 to 900 (Cal BP 1180 to 1050)



References:

Database used

Calibration Database

Editorial Comment

Stuiver, M., van der Plicht, H., 1998, Radiocarbon 40(3), pxii-xiii

INTCAL98 Radiocarbon Age Calibration

Stuiver, M., et. al., 1998, Radiocarbon 40(3), p1041-1083

Mathematics

A Simplified Approach to Calibrating C14 Dates

Talma, A. S., Vogel, J. C., 1993, Radiocarbon 35(2), p317-322

Beta Analytic Inc.

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Appendix C

FLAKED AND GROUND STONE ANALYSES

ATTRIBUTE CODES

All Artifact Classes

Negative value (-) denotes incomplete measurement
NA = not applicable
888=not applicable
999=not measurable

COND =condition:
- WHL, whole
- NC, near complete
- PRX, proximal
- DST, distal
- END, indeterminate end
- MED, medial section
- MRG, margin

Biface

ARR = arris, actual number per centimeter (1-5) or 9 for indeterminate;

SPA = spine plane angle, actual number rounded to nearest 0 or 5 degree increment or 9, indeterminate;

SHP = shape, restricted to end fragments, proximal listed before distal shape:
- 1, rectangular
- 2, convex pointed
- 3, convex rounded
- 4, concave
- 5, straight
- 6, triangular
- 7, irregular
- 8, unworked or snapped end
- 9, indeterminate

SIZ = size:
- 0, not applicable
- 1, arrow point
- 2, dart size
- 3, knife/blade size
- 9, indeterminate;

USE = use wear:
- 0, none observed
- 1, unifacial edge flaked

2, bifacial edge flaked
3, unifacial micro-chipping
4, bifacial micro-chipping
5, edge ground
6, burinated or step fractured (check with analyst)
7, face-wear
8, edge polish
9, indeterminate

FORM = form, original form:
1, cobble base
2, flake base
3, biface base
9, indeterminate

Formed Flake Tool

FLK = flake type:
1, primary decortication
2, secondary decortication
3, cortical shatter
4, simple interior percussion
5, complex interior percussion
6, linear interior percussion
7, early biface thinning
8, late biface thinning
9, angular percussion
10, percussion fragments
11, edge prep (pressure)
12, linear pressure
13, rounded pressure
14, indeterminate percussion
15, indeterminate pressure

EDGE = number of edges, 1-5, the actual number or 9, indeterminate;

SUR = surface used:
1, dorsal
2, ventral
3, both dorsal and ventral
9, indeterminate

SHP = edge shape:
1, concave
2, convex
3, straight

Modified by:

- a, even
- b, jagged irregular
- c, beak present

MOD = edge modification:

- 1, unifacial micro-chipping
- 2, bifacial micro-chipping
- 3, rounded
- 4, extreme battering/dulling
- 5, unifacial edge flaked
- 6, bifacial edge flaked
- 7, step fractured
- 8, burinated

<u>Simple Flake Tool</u>

FLK = flake type:

- 1, primary decortication
- 2, secondary decortication
- 3, cortical shatter
- 4, simple interior percussion
- 5, complex interior percussion
- 6, linear interior percussion
- 7, early biface thinning
- 8, late biface thinning
- 9, angular percussion
- 10, percussion fragments
- 11, edge prep (pressure)
- 12, linear pressure
- 13, rounded pressure
- 14, indeterminate percussion
- 15, indeterminate pressure

EDGE= number of edges, 1-5, the actual number or 9, indeterminate;

SUR = surface used:

- 1, dorsal
- 2, ventral
- 3, both dorsal and ventral
- 9, indeterminate

SHP = edge shape:

- 1, concave
- 2, convex

3 straight

Modified by:
a, even
b, jagged irregular
c, beak present

MOD = edge modification:
1, unifacial micro-chipping
2, bifacial micro-chipping
3, rounded
4, extreme battering/dulling
5, unifacial edge flaked
6, bifacial edge flaked
7, step fractured
8, burinated

Core

FORM
1, tabular cobble
2, globular cobble
3, angular cobble
4, tabular pebble
5, split cobble
6, flake/core
7, assayed cobble
8, chunk
9, indeterminate
10, globular pebble

TYPE
1, unidirectional
2, bidirectional
3, multidirectional
4, bifacial
5, bipolar

PLATS = number of platforms;

CONF =platform configuration:
1, unidirectional
2, bidirectional
3, multidirectional
4, bifacial
5, bipolar

FLK LTH = flake length, maximum flake removal scar length in millimeters.

<u>Drill</u>

ARR = arris, actual number per centimeter (1-5) or 9 for indeterminate;

SPA = spine plane angle, actual number rounded to nearest 0 or 5 degree increment or 9, indeterminate;

SHP = shape, restricted to end fragments, proximal listed before distal shape:
1, rectangular
2, convex pointed
3, convex rounded
4, concave
5, straight
6, triangular
7, irregular
8, unworked or snapped end
9, indeterminate

SIZ = size:
0, not applicable
1, arrow point
2, dart size
3, knife/blade size
9, indeterminate;

USE = use wear:
0, none observed
1, unifacial edge flaked
2, bifacial edge flaked
3, unifacial micro-chipping
4, bifacial micro-chipping
5, edge ground
6, burinated or step fractured (check with analyst)
7, face-wear
8, edge polish
9, indeterminate

FORM = form, original form:
1, cobble base
2, flake base
3, biface base
9, indeterminate

DRILL TYPE

1, flake drill
2, bifacial drill

Debitage

TYPE = flake type:

1, primary decortication
2, secondary decortication
3, cortical shatter
4, simple interior percussion
5, complex interior percussion
6, linear interior percussion
7, early biface thinning
8, late biface thinning
9, angular percussion
10, percussion fragments
11, edge prep (pressure)
12, linear pressure
13, rounded pressure
14, indeterminate percussion
15, indeterminate pressure

Ground Stone Artifacts

(+)=True
(-)=False
S. CONV=Slightly Convex
S=Smooth
IRR=Irregular
IND=Indeterminate

Projectile Point Analysis

SITE	CAT NO	MTRL	TYPE	ML	AL	MW	MTH	WT	BW	NW	PSA	DSA	NOA	STL	BI	COND	SOR	MET	HYD	HYD ANL	COMM
CA-FRE-3105	18518	OBS	DSN	-8	-5.4	12.5	-2.1	0.1	12.5	5	176	999	999	8	2.6	PRX	FS	VIS	1.1	STEVENS	
CA-FRE-3105	18541	OBS	CT	20.8	20.8	10.9	1.9	0.4	10.9	888	888	888	888	888	0	WHL	FS	VIS	1	STEVENS	TIP:CAT 18548
CA-FRE-3105	18547	CCR	DSN	16.3	14.5	-10.4	2.1	0.1	999	7.7	999	999	999	5.4	1.8	NC			0	N/A	
CA-FRE-3105	18572	OBS	CT	17.3	16.8	8.7	1.8	0.3	7.9	888	888	888	888	888	0.5	WHL	BH	XRF	1.2	SKINNER	
CA-FRE-3105	18573	OBS	CT	-10	-9.5	11	-2	0.3	11	888	888	888	888	888	0.5	PRX	FS	XRF	1.2	SKINNER	
CA-FRE-3105	18574	OBS	RS	-25.9	-25.4	17.6	4.6	2	9.1	8.7	110	145	35	5.8	0.5	PRX	FS	XRF	1.3	SKINNER	
CA-FRE-3105	18575	OBS	RS	-28.2	-28.2	16.7	5	2.6	11.5	11.1	105	195	90	4	0	PRX	FS	XRF	1.5	SKINNER	
CA-FRE-3105	18576	OBS	DSN	-9.1	-7.7	12.8	-2.5	0.2	12.8	8.1	999	999	999	9.1	1.4	PRX	FS	VIS	0.8	ORIGER	
CA-FRE-3105	18577	OBS	DSN	-16.8	-16.8	11	3.1	0.6	-7.5	6.5	160	175	15	-2.6	0	MED	MH	XRF	0.9	ORIGER	
CA-FRE-3105	18578	OBS	RS	-31.6	-30.3	19.6	4.6	2.1	999	999	999	999	999	-2.5	999	DST	FS	VIS	1.6	ORIGER	
CA-FRE-3105	18579	OBS	RS	-25	-25	-14.5	4.2	1.7	10.3	8.7	105	160	55	4.8	0	PRX	CD	XRF	1	ORIGER	
CA-FRE-3105	18580	CCR	RS	35.4	35.3	16.1	4.9	2.7	9.4	7.2	115	140	25	4.5	0.1	NC			0		
CA-FRE-3106	18604	OBS	UNK	-20.9	-19.5	-22.1	-5.1	2.7	-17	888	888	888	888	888	1.4	PRX	SV1	XRF	3.6	SKINNER	
CA-FRE-3106	18605	OBS	CB	-21.6	-16.2	-19.7	-6.6	2.6	999	888	888	888	888	888	999	MED	FS	XRF	2.9	SKINNER	
CA-FRE-3107	18606	OBS	RS	-24.7	-24.7	18.5	4.1	1.1	-7.3	7.2	100	130	30	999	999	NC	FS	VIS	1.1	ORIGER	SERRATED
CA-FRE-3159	18607	OBS	DSN	-14	-12	12.9	3.2	0.5	12.9	8.6	150	225	75	5.5	2	PRX	CD	XRF	1.8	SKINNER	
CA-FRE-3160	18610	OBS	HCB	-24.1	-20.4	-23.5	-8.3	4.2	18.2	888	888	888	888	888	3.7	PRX	FS	VIS	3	STEVENS	

SITE	CAT NO	MTRL	TYPE	ML	AL	MW	MTH	WT	BW	NW	PSA	DSA	NOA	STL	BI	COND	SOR	MET	HYD	HYD ANL	COMM
CA-FRE-3162	18645	OBS	UNK	-21.2	-18.6	-21.8	-4.6	2.3	-18	888	888	888	888	888	2.6	PRX	TQ	XRF	2.4	SKINNER	REWORKED
CA-FRE-3162	18646	OBS	ELKO	24.1	22.1	25.2	7.8	3.5	17.8	18.6	140	205	65	6.7	2	NC	SV1	XRF	2.4	SKINNER	REWORKED
CA-FRE-3164	18707	OBS	RS	43.7	43.7	15.3	4.5	2.6	7.8	7.7	85	180	95	4.6	0	NC	FS	XRF	1.4	SKINNER	
CA-FRE-3164	18708	OBS	RS	-37.8	-37.8	17.5	4.9	3.1	999	8.1	999	145	999	-0.8	999	MED	TQ	XRF	2.1	SKINNER	
CA-FRE-3164	18709	OBS	RS	-25.4	-25.4	-17.4	3.7	1.4	7.7	7.8	100	150	50	3.6	0	PRX	CD	XRF	0	ORIGER	
CA-FRE-3164	18710	OBS	RS	-29.3	-29.3	13.9	4.3	1.7	8	8	60	145	85	2.9	0	PRX	FS	VIS	1.1	ORIGER	
CA-FRE-3166	18741	OBS	UNK	-29.2	-29.2	19.9	-4.9	2.6	999	888	888	888	888	6.8	0	NC	FS	XRF	2.4	SKINNER	DART SIZE
CA-FRE-3169	18762	OBS	RS	-25.7	-25.7	15.1	4	1.4	-7.4	6.6	118	153	35	4.1	0	PRX	FS	VIS	1.7	STEVENS	
CA-FRE-3169	18774	OBS	CT	19.1	17.8	11.8	1.9	0.4	11.8	888	888	888	888	888	1.3	WHL	SV1	XRF	1.2	SKINNER	SERRATED
CA-FRE-3169	18775	OBS	CT	15	15	12.9	1.8	0.4	12.9	888	888	888	888	888	0	WHL	FS	XRF	1.3	SKINNER	
CA-FRE-3169	18776	OBS	CT	-17.5	-16.7	11.8	2.2	0.6	11.8	888	888	888	888	888	0.8	NC	FS	XRF	1.3	SKINNER	
ISOLATE 1	18799	OBS	RS	-30.4	-30.4	17.9	4.2	1.9	-5.9	7.6	120	145	25	4.9	0	NC	FS	XRF	1	ORIGER	

Note: MTRL=material, ML=maximum length, AL=axial length, MW=maximum width, MTH=maximum thickness, WT=weight, BW=basal width, NW=neck width, PSA=proximal shoulder angle, DSA=distal shoulder angle, NOA=notch opening angle, STL=stem length, BI=basal indentation, COND=condition, SOR=obsidian source, MET=sourcing method, HYD=hydration rim measurement, HYD ANL=hydration analyst, COMM=comments

Biface Analysis

SITE	CAT NO	UNIT	MTRL	COND	WT	ML	MW	MTH	STG	ARR	SPA	SHP	SIZ	USE	FORM
CA-FRE-3102	18493		OBS	END	7.7	-29.0	-22.7	-11.7	2	1	45	3	3	9	2
CA-FRE-3102	18495		OBS	WHL	11.4	32.1	30.3	11.6	1	2	45	3, 3	0	9	2
CA-FRE-3102	18497		OBS	WHL	7.7	37.1	22.5	8.8	1	2	40	3, 2	0	9	9
CA-FRE-3102	18498		OBS	MED	6.3	-22.1	-29.1	-9.7	1	1	40	0	0	9	9
CA-FRE-3102	18501		OBS	MED	13.9	-30.5	-25.4	-14.6	1	1	50	0	0	9	9
CA-FRE-3102	18502		OBS	MRG	0.3	-11.1	-14.1	-3.7	2	1	30	0	0	9	9
CA-FRE-3105	18549	F1UNIT 1	OBS	FRG	0.1	-8.6	-7.3	-2.9	4	4	25	0	0	9	9
CA-FRE-3105	18550	F1UNIT 1	OBS	MED	0.1	-16.8	-11.1	-2.0	4	5	25	0	1	9	2
CA-FRE-3105	18567	F1UNIT 2	OBS	DST	0.1	-5.4	-5.9	-2.3	5	9	25	5	1	9	9
CA-FRE-3105	18531	F5UNIT 1	OBS	MRG	0.1	-12.7	-6.4	-2.7	5	5	30	0	1	9	9
CA-FRE-3160	18608		OBS	END	2.2	-21.4	-17.9	-6.7	5	5	35	3	2	9	9
CA-FRE-3163	18674	N0/W5	OBS	FRG	0.1	-9.9	-8.3	-3.6	5	9	25	0	9	9	9
CA-FRE-3163	18675	N0/W5	OBS	END	4.2	-32.3	-15.8	-8.1	3	3	35	3	2	9	9
CA-FRE-3163	18676	N0/W5	QTZ	MRG	2.9	-18.5	-16.1	-8.1	4	3	35	0	0	9	9
CA-FRE-3163	18678	S5/E0	OBS	FRG	0.1	-9.0	-7.1	-2.2	9	9	30	0	0	9	9
CA-FRE-3163	18684		OBS	WHL	4.2	41.2	15.2	7.8	4	2	30	2	1	9	2
CA-FRE-3163	18683		OBS	END	0.9	-16.5	-14.4	-5.0	5	3	25	9	9	9	9
CA-FRE-3163	18685		OBS	MED	1.6	-15.1	-19.4	-4.9	5	3	25	8	2	9	9

SITE	CAT NO	UNIT	MTRL	COND	WT	ML	MW	MTH	STG	ARR	SPA	SHP	SIZ	USE	FORM
CA-FRE-3163	18673	N0/W5	OBS	FRG	0.2	-12.6	-9.0	-3.6	5	4	25	0	9	9	9
CA-FRE-3169	18777		OBS	DST	0.7	-23.0	-12.9	-3.2	5	4	20	5	1	9	2
CA-FRE-3169	18763	N15/W10	OBS	MRG	1.5	-23.4	-9.8	-6.9	9	3	35	0	0	9	9
CA-FRE-3169	18765	S15/E5	OBS	MED	5.8	-26.7	-23.5	-8.6	1	2	40	0	0	9	9
CA-FRE-3169	18766	S15/E5	OBS	MRG	4.4	-23.5	-20.1	-9.4	1	2	35	0	0	9	9

Note: MTRL=material, COND=condition, WT=weight, ML=maximum length, MW=maximum width, MTH=maximum thickness, STG=stage, ARR=arrises/cm, SPA=spine plane angle, SHP=shape, SIZ=size, USE=use wear, FORM=original form

Drill Analysis

SITE	CAT NO	MTRL	COND	WT	ML	MW	MTH	STG	ARR	SPA	SHP	SIZ	USE	FORM	TYPE	BITL	BITW	BITH
CA-FRE-3102	18499	OBS	WHL	1.9	20.8	16.7	7.1	5	3	35	3, 2	0	9	9	2	6.4	5.8	3.3
CA-FRE-3105	18581	OBS	WHL	0.0	44.7	16.3	4.9	5	5	35	3, 2	1	9	9	2	29.7	6.1	4

Note: MTRL=material, COND=condition, WT=weight, ML=maximum length, MW=maximum width, MTH=maximum thickness, STG=stage, ARR=arrises/cm, SPA=spine plane angle, SHP=shape, SIZ=size, USE=use wear, FORM=original form, TYPE=drill type, BITL=bit length, BITW=bit width, BITH=bit thicknes

Formed Flake Tool Analysis

SITE	CAT NO	MTRL	COND	WT	MOR	ML	MW	MTH	SIZ	FLK	EDGE	SUR	E1 SHP	E1 MOD	E1 ANG
CA-FRE-3160	18611	OBS	WHL	5.2	2	39.5	18.1	9.5	4	2	1	3	3A	2, 5	50

Note: MTRL=material, COND=condition, WT=weight, MOR=morphological type, ML=maximum length, MW=maximum width, MTH=maximum thickness, SIZ=size class, FLK=flake type, EDGE=number of edges, SUR=suface used, E1SHP=edge 1 shape, E1MOD=edge1 modification, E1ANG=edge1 angle

Simple Flake Tool Analysis

SITE	CAT NO	ML	MW	MTH	SIZ	FLK	EDGE	SUR	E1 SHP	E1 MOD	E1 ANG	E2 SHP	E2 MOD	E2 ANG	E3 SHP	E3 MOD	E3 ANG
CA-FRE-3102	18494	-23.9	-16.1	-2.5	3	5	2	2	1A	1	65	3B	1, 7	50			
CA-FRE-3102	18500	26.3	23.3	10.5	3	1	1	1	3A	1, 7	85						
CA-FRE-3105	18542	33.3	21.1	3.5	4	8	3	3	3A	1, 7	70	3A	1	70	3A	1	65
CA-FRE-3105	18543	26.1	23.4	3.2	3	5	3	3	3A	1	35	1A	1	70	3A	1	70
CA-FRE-3105	18570	-28.6	-20.1	-3.4	4	5	2	1	1A	1	65	2A	1	55			
CA-FRE-3160	18609	73.7	48.1	18.1	5	1	1	2	2A	1, 7	75						
CA-FRE-3163	18677	-32.2	-16.9	-7.3	4	1	1	3	3A	2, 6	55						
CA-FRE-3163	18682	33.1	15.2	4.9	4	2	1	1	3A	1, 7	70						
CA-FRE-3163	18696	28.3	13.9	3.9	3	7	1	1	3A	1	30						
CA-FRE-3163	18697	29.7	18.2	8.3	3	2	1	1	3A	1	35						
CA-FRE-3163	18706	19.5	12.8	4.6	3	2	2	1	1A	1, 7	70	3A	1	65			
CA-FRE-3165	18716	40.2	20.8	15	4	1	1	1	1A	1	65						
CA-FRE-3165	18717	19.7	14.4	5.3	3	1	1	1	3B	1, 7	55						
CA-FRE-3169	18767	33.6	23.4	6.4	4	5	1	1	3A	1, 7	50						
CA-FRE-3169	18768	-28.1	22.2	6.6	4	5	1	1	3B	1	55						
CA-FRE-3169	18769	32.4	21.8	7.5	4	2	1	1	2A	1	60						
CA-FRE-3169	18770	-10.6	-28.5	-2.5	3	10	1	1	3A	1	60						

Note: ML=maximum length, MW=maximum width, MTH=maximum thickness, SIZ=size class, FLK=flake type, EDGE=number of edges, SUR=suface used, E1SHP=edge 1 shape, E1MOD=edge1 modification, E1ANG=edge1 angle

Core Analysis

SITE	CAT NO	MTRL	WT	ML	MW	MTH	FORM	TYPE	PLATS	P-1 CONF	FLK LTH	P-2 CONF	FLK LTH
CA-FRE-3102	18496	OBS	16.5	31.2	30.1	18.5	8	3	2	1	28	2	8
CA-FRE-3160	18613	OBS	11.9	34.3	20.1	16.3	8	3	2	1	26	1	6

Note: MTRL=material, WT=weight, ML=maximum length, MW=maximum width, MTH=maximum thickness, FORM=core form, TYPE=core type, PLATS=number of platforms, P-1 CONF=platform1 configuration, FLK LTH=flake length

Debitage Analysis

SITE	UNIT	CAT NO	SUBCAT	MAT	SIZ	TYPE	VIS	XRF	WT
CA-FRE-3102	N0/W10	18503	1	OBS	1	3	UNK		0.1
CA-FRE-3102	N0/W10	18503	10	OBS	1	11	UNK		0.1
CA-FRE-3102	N0/W10	18503	11	OBS	1	11	UNK		0.1
CA-FRE-3102	N0/W10	18503	12	OBS	1	12	UNK		0.1
CA-FRE-3102	N0/W10	18503	13	OBS	1	10	UNK		0.1
CA-FRE-3102	N0/W10	18503	14	OBS	1	10	UNK		0.1
CA-FRE-3102	N0/W10	18503	15	OBS	1	15	UNK		0.1
CA-FRE-3102	N0/W10	18503	16	OBS	1	12	UNK		0.1
CA-FRE-3102	N0/W10	18503	17	OBS	1	15	UNK		0.1
CA-FRE-3102	N0/W10	18503	18	OBS	1	13	UNK		0.1
CA-FRE-3102	N0/W10	18503	19	OBS	1	15	UNK		0.1
CA-FRE-3102	N0/W10	18503	2	OBS	1	5	UNK		0.1
CA-FRE-3102	N0/W10	18503	20	OBS	1	10	UNK		0.1
CA-FRE-3102	N0/W10	18503	21	OBS	1	10	UNK		0.1
CA-FRE-3102	N0/W10	18503	22	OBS	1	10	UNK		0.1
CA-FRE-3102	N0/W10	18503	23	OBS	1	3	UNK		0.1
CA-FRE-3102	N0/W10	18503	24	OBS	1	15	UNK		0.1
CA-FRE-3102	N0/W10	18503	25	OBS	1	10	UNK		0.1
CA-FRE-3102	N0/W10	18503	26	OBS	1	3	UNK		0.1
CA-FRE-3102	N0/W10	18503	27	OBS	1	10	UNK		0.1
CA-FRE-3102	N0/W10	18503	28	OBS	1	13	UNK		0.1
CA-FRE-3102	N0/W10	18503	29	OBS	1	15	UNK		0.1
CA-FRE-3102	N0/W10	18503	3	OBS	1	4	UNK		0.1
CA-FRE-3102	N0/W10	18503	30	OBS	1	15	UNK		0.1
CA-FRE-3102	N0/W10	18503	31	OBS	1	10	UNK		0.1
CA-FRE-3102	N0/W10	18503	32	OBS	1	12	UNK		0.1
CA-FRE-3102	N0/W10	18503	33	OBS	1	15	UNK		0.1
CA-FRE-3102	N0/W10	18503	34	OBS	1	15	UNK		0.1
CA-FRE-3102	N0/W10	18503	35	OBS	1	15	UNK		0.1
CA-FRE-3102	N0/W10	18503	36	OBS	1	15	UNK		0.1
CA-FRE-3102	N0/W10	18503	37	OBS	1	3	UNK		0.1
CA-FRE-3102	N0/W10	18503	4	OBS	1	10	UNK		0.1
CA-FRE-3102	N0/W10	18503	5	OBS	1	10	UNK		0.1
CA-FRE-3102	N0/W10	18503	6	OBS	1	9	UNK		0.1
CA-FRE-3102	N0/W10	18503	7	OBS	1	10	UNK		0.1
CA-FRE-3102	N0/W10	18503	8	OBS	1	10	UNK		0.1
CA-FRE-3102	N0/W10	18503	9	OBS	1	9	UNK		0.1
CA-FRE-3102	N0/W10	18503	A	OBS	3	4	FS		1.5
CA-FRE-3102	N0/W10	18503	AA	OBS	1	10	FS		0.1
CA-FRE-3102	N0/W10	18503	AAA	OBS	2	10	UNK		0.1
CA-FRE-3102	N0/W10	18503	B	OBS	3	1	FS	FS	2.6
CA-FRE-3102	N0/W10	18503	BB	OBS	1	13	FS		0.1
CA-FRE-3102	N0/W10	18503	BBB	OBS	2	7	UNK		0.3
CA-FRE-3102	N0/W10	18503	C	OBS	3	3	FS		4.0
CA-FRE-3102	N0/W10	18503	CC	OBS	3	3	UNK		0.8
CA-FRE-3102	N0/W10	18503	CCC	OBS	2	10	UNK		0.1
CA-FRE-3102	N0/W10	18503	D	OBS	2	2	FS		1.6
CA-FRE-3102	N0/W10	18503	DD	OBS	3	8	UNK	FS	0.6
CA-FRE-3102	N0/W10	18503	DDD	OBS	2	10	UNK		0.1
CA-FRE-3102	N0/W10	18503	E	OBS	2	3	FS		0.7
CA-FRE-3102	N0/W10	18503	EE	OBS	3	3	UNK		0.9
CA-FRE-3102	N0/W10	18503	EEE	OBS	2	10	UNK		0.1
CA-FRE-3102	N0/W10	18503	F	OBS	2	3	FS	FS	1.1
CA-FRE-3102	N0/W10	18503	FF	OBS	3	3	UNK		0.7
CA-FRE-3102	N0/W10	18503	FFF	OBS	2	9	UNK		0.1
CA-FRE-3102	N0/W10	18503	G	OBS	2	5	FS		0.6
CA-FRE-3102	N0/W10	18503	GG	OBS	3	4	UNK		0.5
CA-FRE-3102	N0/W10	18503	GGG	OBS	2	10	UNK		0.1
CA-FRE-3102	N0/W10	18503	H	OBS	2	2	FS		0.4
CA-FRE-3102	N0/W10	18503	HH	OBS	2	4	UNK	FS	0.8
CA-FRE-3102	N0/W10	18503	I	OBS	2	10	FS		0.1

SITE	UNIT	CAT NO	SUBCAT	MAT	SIZ	TYPE	VIS	XRF	WT
CA-FRE-3102	N0/W10	18503	II	OBS	2	2	UNK	FS	0.8
CA-FRE-3102	N0/W10	18503	J	OBS	2	10	FS		0.1
CA-FRE-3102	N0/W10	18503	JJ	OBS	2	4	UNK	FS	0.9
CA-FRE-3102	N0/W10	18503	K	OBS	2	4	FS		0.4
CA-FRE-3102	N0/W10	18503	KK	OBS	2	3	UNK		1.2
CA-FRE-3102	N0/W10	18503	L	OBS	2	10	FS		0.6
CA-FRE-3102	N0/W10	18503	LL	OBS	2	4	UNK	FS	0.7
CA-FRE-3102	N0/W10	18503	M	OBS	2	10	FS		0.1
CA-FRE-3102	N0/W10	18503	MM	OBS	2	2	UNK	FS	0.5
CA-FRE-3102	N0/W10	18503	N	OBS	2	5	FS		0.4
CA-FRE-3102	N0/W10	18503	NN	OBS	2	1	UNK		0.8
CA-FRE-3102	N0/W10	18503	O	OBS	2	2	FS		0.4
CA-FRE-3102	N0/W10	18503	OO	OBS	2	2	UNK	FS	0.5
CA-FRE-3102	N0/W10	18503	P	OBS	2	10	FS		0.1
CA-FRE-3102	N0/W10	18503	PP	OBS	2	2	UNK	FS	0.9
CA-FRE-3102	N0/W10	18503	Q	OBS	2	3	FS		0.1
CA-FRE-3102	N0/W10	18503	QQ	OBS	2	2	UNK	FS	0.7
CA-FRE-3102	N0/W10	18503	R	OBS	2	2	FS		0.1
CA-FRE-3102	N0/W10	18503	RR	OBS	2	1	UNK		0.8
CA-FRE-3102	N0/W10	18503	S	OBS	2	10	FS		0.1
CA-FRE-3102	N0/W10	18503	SS	OBS	2	2	UNK		0.6
CA-FRE-3102	N0/W10	18503	T	OBS	1	3	FS		0.1
CA-FRE-3102	N0/W10	18503	TT	OBS	2	10	UNK		0.5
CA-FRE-3102	N0/W10	18503	U	OBS	1	3	FS		0.1
CA-FRE-3102	N0/W10	18503	UU	OBS	2	10	UNK		0.6
CA-FRE-3102	N0/W10	18503	V	OBS	1	3	FS		0.1
CA-FRE-3102	N0/W10	18503	VV	OBS	2	7	UNK	FS	0.4
CA-FRE-3102	N0/W10	18503	W	OBS	1	1	FS		0.1
CA-FRE-3102	N0/W10	18503	WW	OBS	2	3	UNK		0.5
CA-FRE-3102	N0/W10	18503	X	OBS	1	15	FS		0.1
CA-FRE-3102	N0/W10	18503	XX	OBS	2	2	UNK		0.3
CA-FRE-3102	N0/W10	18503	Y	OBS	1	10	FS		0.1
CA-FRE-3102	N0/W10	18503	YY	OBS	2	2	UNK		0.1
CA-FRE-3102	N0/W10	18503	Z	OBS	1	1	FS		0.1
CA-FRE-3102	N0/W10	18503	ZZ	OBS	2	3	UNK		0.1
CA-FRE-3102	N0/W30	18504	A	OBS	3	7	FS		0.7
CA-FRE-3102	N0/W30	18504	B	OBS	3	7	FS		0.9
CA-FRE-3102	N0/W30	18504	C	OBS	2	2	FS		0.3
CA-FRE-3102	N0/W30	18504	D	OBS	2	10	FS		0.1
CA-FRE-3102	N0/W30	18504	E	OBS	2	10	FS		0.1
CA-FRE-3102	N0/W30	18504	F	OBS	2	1	FS		0.1
CA-FRE-3102	N0/W30	18504	G	OBS	2	5	FS		0.2
CA-FRE-3102	N0/W30	18504	H	OBS	1	9	FS		0.1
CA-FRE-3102	N0/W30	18504	I	OBS	1	12	FS		0.1
CA-FRE-3102	N0/W30	18504	J	OBS	1	3	FS		0.1
CA-FRE-3102	N0/W30	18504	K	OBS	1	2	FS		0.1
CA-FRE-3102	N0/W30	18504	L	OBS	3	1	UNK		0.7
CA-FRE-3102	N0/W30	18504	M	OBS	2	5	UNK	FS	0.7
CA-FRE-3102	N0/W30	18504	N	OBS	2	1	UNK	FS	1.0
CA-FRE-3102	N0/W30	18504	O	OBS	2	4	UNK	FS	0.5
CA-FRE-3102	N0/W30	18504	P	OBS	2	5	UNK		0.3
CA-FRE-3102	N0/W30	18504	Q	OBS	2	10	UNK		0.1
CA-FRE-3102	N0/W30	18504	R	OBS	2	9	UNK		0.1
CA-FRE-3102	N0/W30	18504	S	OBS	2	4	UNK		0.1
CA-FRE-3102	N0/W30	18504	T	OBS	2	5	UNK		0.1
CA-FRE-3102	N0/W30	18504	U	OBS	2	5	UNK		0.1
CA-FRE-3102	N0/W30	18504	V	OBS	2	5	UNK		0.1
CA-FRE-3102	N0/W30	18504	W	OBS	2	3	UNK		0.1
CA-FRE-3102	N0/W30	18504	X	OBS	2	2	UNK		0.1
CA-FRE-3102	S20/E10	18505	A	OBS	2	2	FS	FS	1.0
CA-FRE-3102	S20/E10	18505	B	OBS	2	2	FS		0.9
CA-FRE-3102	S20/E10	18505	C	OBS	2	2	FS		0.7
CA-FRE-3102	S20/E10	18505	D	OBS	2	2	FS		0.5
CA-FRE-3102	S20/E10	18505	E	OBS	1	13	FS		0.1
CA-FRE-3102	S20/E10	18505	F	OBS	1	10	FS		0.1

SITE	UNIT	CAT NO	SUBCAT	MAT	SIZ	TYPE	VIS	XRF	WT
CA-FRE-3102	S20/E10	18505	G	OBS	1	10	FS		0.1
CA-FRE-3102	S20/E10	18505	H	OBS	1	3	FS		0.1
CA-FRE-3102	S20/E10	18505	I	OBS	3	7	UNK	FS	1.0
CA-FRE-3102	S20/E10	18505	J	OBS	3	1	UNK	FS	1.2
CA-FRE-3102	S20/E10	18505	K	OBS	2	10	UNK	FS	0.5
CA-FRE-3102	S20/E10	18505	L	OBS	2	1	UNK		0.3
CA-FRE-3102	S20/E10	18505	M	OBS	2	2	UNK	FS	1.1
CA-FRE-3102	S20/E10	18505	N	OBS	2	3	UNK		0.6
CA-FRE-3102	S20/E10	18505	O	OBS	2	3	UNK		0.4
CA-FRE-3102	S20/E10	18505	P	OBS	2	10	UNK		0.2
CA-FRE-3102	S20/E10	18505	Q	OBS	2	4	UNK		0.2
CA-FRE-3102	S20/E10	18505	R	OBS	2	4	UNK		0.1
CA-FRE-3102	S20/E10	18505	S	OBS	2	10	UNK		0.1
CA-FRE-3102	S20/E10	18505	T	OBS	2	2	UNK		0.1
CA-FRE-3102	S20/E10	18505	U	OBS	2	3	UNK		0.1
CA-FRE-3102	S20/E10	18505	V	OBS	2	10	UNK		0.1
CA-FRE-3105	F5UNIT 1	18519	A	OBS	1	11	FS		0.1
CA-FRE-3105	F5UNIT 1	18519	B	OBS	1	13	FS		0.1
CA-FRE-3105	F5UNIT 1	18519	C	OBS	1	15	FS		0.1
CA-FRE-3105	F5UNIT 1	18519	D	OBS	1	15	FS		0.1
CA-FRE-3105	F5UNIT 1	18521	A	OBS	1	13	FS		0.1
CA-FRE-3105	F5UNIT 1	18521	B	OBS	1	15	FS		0.1
CA-FRE-3105	F5UNIT 1	18522	A	OBS	1	13	FS		0.1
CA-FRE-3105	F5UNIT 1	18522	B	OBS	1	13	FS		0.1
CA-FRE-3105	F5UNIT 1	18522	C	OBS	1	15	FS		0.1
CA-FRE-3105	F5UNIT 1	18522	D	OBS	1	15	FS		0.1
CA-FRE-3105	F5UNIT 1	18522	E	OBS	1	15	FS		0.1
CA-FRE-3105	F5UNIT 1	18522	F	OBS	1	15	FS		0.1
CA-FRE-3105	F5UNIT 1	18522	G	OBS	1	13	FS		0.1
CA-FRE-3105	F5UNIT 1	18522	H	OBS	1	12	FS		0.1
CA-FRE-3105	F5UNIT 1	18522	I	OBS	1	13	FS		0.1
CA-FRE-3105	F5UNIT 1	18522	J	OBS	1	15	FS		0.1
CA-FRE-3105	F5UNIT 1	18524	A	OBS	2	7	FS		0.1
CA-FRE-3105	F5UNIT 1	18524	B	OBS	1	13	FS		0.1
CA-FRE-3105	F5UNIT 1	18524	C	OBS	1	12	FS		0.1
CA-FRE-3105	F5UNIT 1	18524	D	OBS	1	12	FS		0.1
CA-FRE-3105	F5UNIT 1	18524	E	OBS	1	15	FS		0.1
CA-FRE-3105	F5UNIT 1	18524	F	OBS	1	15	FS		0.1
CA-FRE-3105	F5UNIT 1	18524	G	OBS	1	15	FS		0.1
CA-FRE-3105	F5UNIT 1	18524	H	OBS	2	7	UNK	FS	0.7
CA-FRE-3105	F5UNIT 1	18528	A	OBS	2	4	FS		0.4
CA-FRE-3105	F5UNIT 1	18528	B	OBS	1	11	FS		0.1
CA-FRE-3105	F5UNIT 1	18528	C	OBS	1	12	FS		0.1
CA-FRE-3105	F5UNIT 1	18528	D	OBS	1	15	FS		0.1
CA-FRE-3105	F5UNIT 1	18528	E	OBS	1	15	FS		0.1
CA-FRE-3105	F5UNIT 1	18528	F	OBS	1	12	FS		0.1
CA-FRE-3105	F5UNIT 1	18528	G	OBS	1	15	FS		0.1
CA-FRE-3105	F5UNIT 1	18528	H	OBS	2	10	UNK	FS	0.1
CA-FRE-3105	F5UNIT 1	18532	A	OBS	2	2	UNK		0.4
CA-FRE-3105	F5UNIT 1	18532	AA	OBS	1	12	UNK		0.1
CA-FRE-3105	F5UNIT 1	18532	B	OBS	2	15	UNK		0.1
CA-FRE-3105	F5UNIT 1	18532	BB	OBS	1	11	UNK		0.1
CA-FRE-3105	F5UNIT 1	18532	C	OBS	2	12	UNK		0.1
CA-FRE-3105	F5UNIT 1	18532	CC	OBS	1	15	UNK		0.1
CA-FRE-3105	F5UNIT 1	18532	D	OBS	2	11	UNK		0.2
CA-FRE-3105	F5UNIT 1	18532	DD	OBS	1	13	UNK		0.1
CA-FRE-3105	F5UNIT 1	18532	E	OBS	1	13	UNK		0.1
CA-FRE-3105	F5UNIT 1	18532	EE	OBS	1	15	UNK		0.1
CA-FRE-3105	F5UNIT 1	18532	F	OBS	1	11	UNK		0.1
CA-FRE-3105	F5UNIT 1	18532	FF	OBS	1	13	UNK		0.1
CA-FRE-3105	F5UNIT 1	18532	G	OBS	1	12	UNK		0.1
CA-FRE-3105	F5UNIT 1	18532	GG	OBS	2	5	UNK	FS	1.0
CA-FRE-3105	F5UNIT 1	18532	H	OBS	1	11	UNK		0.1
CA-FRE-3105	F5UNIT 1	18532	HH	OBS	2	10	UNK	FS	0.1
CA-FRE-3105	F5UNIT 1	18532	I	OBS	1	13	UNK		0.1

SITE	UNIT	CAT NO	SUBCAT	MAT	SIZ	TYPE	VIS	XRF	WT
CA-FRE-3105	F5UNIT 1	18532	J	OBS	1	13	UNK		0.1
CA-FRE-3105	F5UNIT 1	18532	K	OBS	1	13	UNK		0.1
CA-FRE-3105	F5UNIT 1	18532	L	OBS	1	13	UNK		0.1
CA-FRE-3105	F5UNIT 1	18532	M	OBS	1	12	UNK		0.1
CA-FRE-3105	F5UNIT 1	18532	N	OBS	1	12	UNK		0.1
CA-FRE-3105	F5UNIT 1	18532	O	OBS	1	13	UNK		0.1
CA-FRE-3105	F5UNIT 1	18532	P	OBS	1	12	UNK		0.1
CA-FRE-3105	F5UNIT 1	18532	Q	OBS	1	11	UNK		0.1
CA-FRE-3105	F5UNIT 1	18532	R	OBS	1	13	UNK		0.1
CA-FRE-3105	F5UNIT 1	18532	S	OBS	1	13	UNK		0.1
CA-FRE-3105	F5UNIT 1	18532	T	OBS	1	13	UNK		0.1
CA-FRE-3105	F5UNIT 1	18532	U	OBS	1	13	UNK		0.1
CA-FRE-3105	F5UNIT 1	18532	V	OBS	1	12	UNK		0.1
CA-FRE-3105	F5UNIT 1	18532	W	OBS	1	12	UNK		0.1
CA-FRE-3105	F5UNIT 1	18532	X	OBS	1	13	UNK		0.1
CA-FRE-3105	F5UNIT 1	18532	Y	OBS	1	12	UNK		0.1
CA-FRE-3105	F5UNIT 1	18532	Z	OBS	1	13	UNK		0.1
CA-FRE-3105	F5UNIT 1	18536	A	OBS	3	1	UNK		1.0
CA-FRE-3105	F5UNIT 1	18539	A	OBS	1	13	UNK		0.1
CA-FRE-3105	F5UNIT 1	18539	B	OBS	1	13	UNK		0.1
CA-FRE-3105	F1UNIT 1	18544	A	OBS	2	2	FS		0.8
CA-FRE-3105	F1UNIT 1	18544	B	OBS	2	3	FS		0.5
CA-FRE-3105	F1UNIT 1	18544	C	OBS	1	12	FS		0.1
CA-FRE-3105	F1UNIT 1	18544	D	OBS	1	15	FS		0.1
CA-FRE-3105	F1UNIT 1	18544	E	OBS	1	13	FS		0.1
CA-FRE-3105	F1UNIT 1	18544	F	OBS	1	15	FS		0.1
CA-FRE-3105	F1UNIT 1	18544	G	OBS	1	15	FS		0.1
CA-FRE-3105	F1UNIT 1	18544	H	OBS	1	11	FS		0.1
CA-FRE-3105	F1UNIT 1	18544	I	OBS	1	15	FS		0.1
CA-FRE-3105	F1UNIT 1	18544	J	OBS	1	15	FS		0.1
CA-FRE-3105	F1UNIT 1	18544	K	OBS	1	15	FS		0.1
CA-FRE-3105	F1UNIT 1	18544	L	OBS	1	15	FS		0.1
CA-FRE-3105	F1UNIT 1	18544	M	OBS	1	15	FS		0.1
CA-FRE-3105	F1UNIT 1	18544	N	OBS	1	15	FS		0.1
CA-FRE-3105	F1UNIT 1	18544	O	OBS	1	15	FS		0.1
CA-FRE-3105	F1UNIT 1	18544	P	OBS	1	15	FS		0.1
CA-FRE-3105	F1UNIT 1	18544	Q	OBS	2	10	UNK	FS	0.4
CA-FRE-3105	F1UNIT 1	18544	R	OBS	2	10	UNK	FS	0.4
CA-FRE-3105	F1UNIT 1	18551	A	OBS	2	7	UNK	FS	0.3
CA-FRE-3105	F1UNIT 1	18551	B	OBS	1	13	UNK		0.1
CA-FRE-3105	F1UNIT 1	18551	C	OBS	1	15	UNK		0.1
CA-FRE-3105	F1UNIT 1	18551	D	OBS	1	13	UNK		0.1
CA-FRE-3105	F1UNIT 1	18551	E	OBS	1	13	UNK		0.1
CA-FRE-3105	F1UNIT 1	18551	F	OBS	1	12	UNK		0.1
CA-FRE-3105	F1UNIT 1	18551	G	OBS	1	15	UNK		0.1
CA-FRE-3105	F1UNIT 1	18551	H	OBS	1	12	UNK		0.1
CA-FRE-3105	F1UNIT 1	18551	I	OBS	1	15	UNK		0.1
CA-FRE-3105	F1UNIT 1	18551	J	OBS	1	15	UNK		0.1
CA-FRE-3105	F1UNIT 1	18551	K	OBS	1	15	UNK		0.1
CA-FRE-3105	F1UNIT 1	18551	L	OBS	2	10	UNK	FS	0.4
CA-FRE-3105	F1UNIT 1	18551	M	OBS	2	5	UNK	CS	0.1
CA-FRE-3105	F1UNIT 1	18554	A	OBS	1	15	UNK		0.1
CA-FRE-3105	F1UNIT 1	18554	B	OBS	1	12	UNK		0.1
CA-FRE-3105	F1UNIT 1	18554	C	OBS	1	12	UNK		0.1
CA-FRE-3105	F1UNIT 1	18554	D	OBS	1	12	UNK		0.1
CA-FRE-3105	F1UNIT 1	18554	E	OBS	1	15	UNK		0.1
CA-FRE-3105	F1UNIT 1	18554	F	OBS	1	15	UNK		0.1
CA-FRE-3105	F1UNIT 1	18554	G	OBS	1	12	UNK		0.1
CA-FRE-3105	F1UNIT 1	18554	H	OBS	1	13	UNK		0.1
CA-FRE-3105	F1UNIT 1	18554	I	OBS	1	15	UNK		0.1
CA-FRE-3105	F1UNIT 1	18554	J	OBS	1	12	UNK		0.1
CA-FRE-3105	F1UNIT 1	18554	K	OBS	1	15	UNK		0.1
CA-FRE-3105	F1UNIT 1	18554	L	OBS	1	15	UNK		0.1
CA-FRE-3105	F1UNIT 1	18554	M	OBS	1	12	UNK		0.1
CA-FRE-3105	F1UNIT 1	18554	N	OBS	2	7	UNK	FS	0.5

SITE	UNIT	CAT NO	SUBCAT	MAT	SIZ	TYPE	VIS	XRF	WT
CA-FRE-3105	F1UNIT 1	18557	A	OBS	2	2	FS		0.1
CA-FRE-3105	F1UNIT 1	18557	B	OBS	2	6	FS		0.1
CA-FRE-3105	F1UNIT 1	18557	C	OBS	1	13	FS		0.1
CA-FRE-3105	F1UNIT 1	18557	D	OBS	1	15	FS		0.1
CA-FRE-3105	F1UNIT 1	18557	E	OBS	1	15	FS		0.1
CA-FRE-3105	F1UNIT 1	18557	F	OBS	1	15	FS		0.1
CA-FRE-3105	F1UNIT 1	18557	G	OBS	1	15	FS		0.1
CA-FRE-3105	F1UNIT 1	18557	H	OBS	2	4	UNK	FS	0.1
CA-FRE-3160	N5/W10	18614	A	OBS	4	2	FS		6.9
CA-FRE-3160	N5/W10	18614	B	OBS	3	3	FS	FS	2.3
CA-FRE-3160	N5/W10	18614	C	OBS	2	2	FS		0.8
CA-FRE-3160	N5/W10	18614	D	OBS	2	10	FS		0.4
CA-FRE-3160	N5/W10	18614	E	OBS	2	4	FS		0.4
CA-FRE-3160	N5/W10	18614	F	OBS	2	4	FS		0.5
CA-FRE-3160	N5/W10	18614	G	OBS	2	7	FS		0.3
CA-FRE-3160	N5/W10	18614	H	OBS	2	2	FS		0.7
CA-FRE-3160	N5/W10	18614	I	OBS	2	4	FS		0.3
CA-FRE-3160	N5/W10	18614	J	OBS	2	2	FS		0.4
CA-FRE-3160	N5/W10	18614	K	OBS	2	2	FS		0.3
CA-FRE-3160	N5/W10	18614	L	OBS	2	9	FS		0.5
CA-FRE-3160	N5/W10	18614	M	OBS	2	10	FS		0.1
CA-FRE-3160	N5/W10	18614	N	OBS	3	2	UNK	FS	2.5
CA-FRE-3160	N5/W10	18614	O	OBS	2	9	UNK		0.4
CA-FRE-3160	N5/W10	18614	P	OBS	2	10	UNK		0.3
CA-FRE-3160	N5/W10	18614	Q	OBS	2	10	UNK		0.1
CA-FRE-3160	N5/W10	18614	R	OBS	1	13	UNK		0.1
CA-FRE-3160	N5/W10	18614	S	OBS	1	3	UNK		0.1
CA-FRE-3160	N5/W10	18614	T	OBS	1	15	UNK		0.1
CA-FRE-3160	N4.5/E5	18615	A	OBS	3	8	FS		1.6
CA-FRE-3160	N4.5/E5	18615	B	OBS	3	2	FS	FS	1.8
CA-FRE-3160	N4.5/E5	18615	C	OBS	3	1	FS		1.4
CA-FRE-3160	N4.5/E5	18615	D	OBS	2	3	FS		1.3
CA-FRE-3160	N4.5/E5	18615	E	OBS	2	2	FS		0.7
CA-FRE-3160	N4.5/E5	18615	F	OBS	2	6	FS		0.1
CA-FRE-3160	N4.5/E5	18615	G	OBS	2	3	FS		0.6
CA-FRE-3160	N4.5/E5	18615	H	OBS	2	3	FS		0.4
CA-FRE-3160	N4.5/E5	18615	I	OBS	2	3	FS		0.2
CA-FRE-3160	N4.5/E5	18615	J	OBS	2	10	FS		0.3
CA-FRE-3160	N4.5/E5	18615	K	OBS	2	3	FS		0.1
CA-FRE-3160	N4.5/E5	18615	L	OBS	1	3	FS		0.1
CA-FRE-3160	N4.5/E5	18615	M	OBS	1	10	FS		0.1
CA-FRE-3160	N4.5/E5	18615	N	OBS	3	1	UNK		2.6
CA-FRE-3160	N4.5/E5	18615	O	OBS	1	15	UNK		0.1
CA-FRE-3160	S7.5/W40	18616	A	OBS	3	4	FS		1.9
CA-FRE-3160	S7.5/W40	18616	B	OBS	3	2	FS		0.8
CA-FRE-3160	S7.5/W40	18616	C	OBS	3	3	FS		1.2
CA-FRE-3160	S7.5/W40	18616	D	OBS	3	1	FS	FS	1.5
CA-FRE-3160	S7.5/W40	18616	E	OBS	3	2	FS		1.0
CA-FRE-3160	S7.5/W40	18616	F	OBS	2	3	FS		0.7
CA-FRE-3160	S7.5/W40	18616	G	OBS	2	10	FS		0.5
CA-FRE-3160	S7.5/W40	18616	H	OBS	1	10	UNK		0.1
CA-FRE-3163	N4.5/W0.5	18680	A	OBS	3	3	FS		2.3
CA-FRE-3163	N4.5/W0.5	18680	B	OBS	3	1	FS		0.9
CA-FRE-3163	N4.5/W0.5	18680	C	OBS	3	1	FS	FS	1.2
CA-FRE-3163	N4.5/W0.5	18680	D	OBS	2	10	FS		0.1
CA-FRE-3163	N4.5/W0.5	18680	E	OBS	2	4	FS		0.7
CA-FRE-3163	N4.5/W0.5	18680	F	OBS	1	3	FS		0.1
CA-FRE-3163	N4.5/W0.5	18680	G	OBS	3	2	UNK	FS	1.2
CA-FRE-3163	N4.5/W0.5	18680	H	OBS	2	7	UNK	FS	1.0
CA-FRE-3163	N4.5/W0.5	18680	I	OBS	2	1	UNK	FS	0.7
CA-FRE-3163	N4.5/W0.5	18680	J	OBS	2	3	UNK	FS	1.7
CA-FRE-3163	N4.5/W0.5	18680	K	OBS	2	10	UNK	FS	0.4
CA-FRE-3163	N4.5/W0.5	18680	L	OBS	2	2	UNK		0.1
CA-FRE-3163	N4.5/W0.5	18680	M	OBS	2	3	UNK		0.3
CA-FRE-3163	N4.5/W0.5	18680	N	OBS	2	1	UNK		0.1

SITE	UNIT	CAT NO	SUBCAT	MAT	SIZ	TYPE	VIS	XRF	WT
CA-FRE-3163	N4.5/W0.5	18680	O	OBS	2	6	UNK		0.1
CA-FRE-3163	N4.5/W0.5	18680	P	OBS	2	4	UNK		0.1
CA-FRE-3163	N4.5/W0.5	18680	Q	OBS	2	5	UNK		0.1
CA-FRE-3163	N4.5/W0.5	18680	R	OBS	2	10	UNK		0.1
CA-FRE-3163	N4.5/W0.5	18680	S	OBS	1	10	UNK		0.1
CA-FRE-3163	N4.5/W0.5	18680	T	OBS	1	13	UNK		0.1
CA-FRE-3163	N4.5/W0.5	18680	U	OBS	1	12	UNK		0.1
CA-FRE-3163	N4.5/W0.5	18680	V	OBS	1	15	UNK		0.1
CA-FRE-3163	N4.5/W0.5	18680	W	OBS	1	3	UNK		0.1
CA-FRE-3163	N4.5/W0.5	18680	X	OBS	1	9	UNK		0.1
CA-FRE-3163	S3.5/E0.5	18681	A	OBS	4	7	FS		1.4
CA-FRE-3163	S3.5/E0.5	18681	B	OBS	3	7	FS	FS	1.0
CA-FRE-3163	S3.5/E0.5	18681	C	OBS	2	2	FS		0.5
CA-FRE-3163	S3.5/E0.5	18681	D	OBS	2	10	FS		0.1
CA-FRE-3163	S3.5/E0.5	18681	E	OBS	2	1	FS		0.5
CA-FRE-3163	S3.5/E0.5	18681	F	OBS	4	2	UNK	FS	2.7
CA-FRE-3163	S3.5/E0.5	18681	G	OBS	3	7	UNK	FS	0.9
CA-FRE-3163	S3.5/E0.5	18681	H	OBS	2	4	UNK		0.1
CA-FRE-3163	S3.5/E0.5	18681	I	OBS	2	3	UNK		0.1
CA-FRE-3163	S3.5/E0.5	18681	J	OBS	2	13	UNK		0.1
CA-FRE-3163	S3.5/E0.5	18681	K	OBS	2	3	UNK		0.1
CA-FRE-3165	S5/E10	18718	A	OBS	4	1	FS		10.1
CA-FRE-3165	S5/E10	18718	B	OBS	4	1	FS		3.5
CA-FRE-3165	S2/E10	18719	A	OBS	4	1	FS		3.5
CA-FRE-3165	S2/E10	18719	B	OBS	3	2	FS		1.3
CA-FRE-3165	S2/E10	18719	C	OBS	2	2	FS		0.7
CA-FRE-3165	S2/E10	18719	D	OBS	2	1	FS		0.6
CA-FRE-3165	S2/E10	18719	E	OBS	2	3	FS		0.4
CA-FRE-3165	S2/E10	18719	F	OBS	2	1	FS		0.7
CA-FRE-3165	S2/E10	18719	G	OBS	2	1	FS		0.4
CA-FRE-3165	S2/E10	18719	H	OBS	2	3	FS		0.3
CA-FRE-3165	S2/E10	18719	I	OBS	1	3	FS		0.1
CA-FRE-3165	S2/E10	18719	J	OBS	1	10	FS		0.1
CA-FRE-3165	S2/E10	18719	K	OBS	2	2	UNK	FS	1.0
CA-FRE-3165	S2/E10	18719	L	OBS	2	2	UNK		0.3
CA-FRE-3165	S2/E10	18719	M	OBS	2	1	UNK		0.4
CA-FRE-3165	S2/E10	18719	N	OBS	2	3	UNK		0.3
CA-FRE-3165	S2/E10	18719	O	OBS	2	3	UNK		0.3
CA-FRE-3165	S2/E10	18719	P	OBS	1	3	UNK		0.1
CA-FRE-3165	S2/E10	18719	Q	OBS	1	3	UNK		0.1
CA-FRE-3165	S2/E10	18719	R	OBS	1	3	UNK		0.1
CA-FRE-3165	S5/E11	18720	A	OBS	4	4	FS		2.7
CA-FRE-3165	S5/E11	18720	B	OBS	3	7	FS	FS	1.3
CA-FRE-3165	S5/E11	18720	C	OBS	3	2	FS		1.2
CA-FRE-3165	S5/E11	18720	D	OBS	3	1	FS		1.6
CA-FRE-3165	S5/E11	18720	E	OBS	3	2	FS		2.0
CA-FRE-3165	S5/E11	18720	F	OBS	2	2	FS		1.0
CA-FRE-3165	S5/E11	18720	G	OBS	2	2	FS		0.6
CA-FRE-3165	S5/E11	18720	H	OBS	2	2	FS		0.1
CA-FRE-3165	S5/E11	18720	I	OBS	2	1	FS		0.1
CA-FRE-3165	S5/E11	18720	J	OBS	2	10	FS		0.1
CA-FRE-3165	S5/E11	18720	K	OBS	2	10	FS		0.1
CA-FRE-3165	S5/E11	18720	L	OBS	2	2	FS		0.1
CA-FRE-3165	S5/E11	18720	M	OBS	2	10	FS		0.1
CA-FRE-3165	S5/E11	18720	N	OBS	1	2	FS		0.1
CA-FRE-3165	S5/E11	18720	O	OBS	1	10	FS		0.1
CA-FRE-3165	S5/E11	18720	P	OBS	1	10	FS		0.1
CA-FRE-3165	S5/E11	18720	Q	OBS	1	10	FS		0.1
CA-FRE-3165	S5/E11	18720	R	OBS	2	2	UNK	FS	0.4
CA-FRE-3165	S5/E11	18720	S	OBS	2	2	UNK		0.4
CA-FRE-3165	S5/E11	18720	T	OBS	2	2	UNK		0.1
CA-FRE-3165	S5/E11	18720	U	OBS	2	1	UNK		0.1
CA-FRE-3165	S5/E11	18720	V	OBS	1	10	UNK		0.1
CA-FRE-3165	S5/E11	18720	W	OBS	1	15	UNK		0.1
CA-FRE-3165	S5/E11	18720	X	OBS	1	15	UNK		0.1

SITE	UNIT	CAT NO	SUBCAT	MAT	SIZ	TYPE	VIS	XRF	WT
CA-FRE-3165	S5/E11	18720	Y	OBS	1	13	UNK		0.1
CA-FRE-3165	S5/E11	18720	Z	OBS	1	15	UNK		0.1
CA-FRE-3169	N15/W10	18764	A	OBS	3	9	FS		2.0
CA-FRE-3169	N15/W10	18764	B	OBS	3	2	FS		1.2
CA-FRE-3169	N15/W10	18764	C	OBS	2	3	FS		0.3
CA-FRE-3169	N19.5/W5	18772	A	OBS	4	3	FS		4.9
CA-FRE-3169	N19.5/W5	18772	B	OBS	3	2	FS	FS	1.2
CA-FRE-3169	N19.5/W5	18772	C	OBS	3	2	FS		1.6
CA-FRE-3169	N19.5/W5	18772	D	OBS	3	2	FS		0.8
CA-FRE-3169	N19.5/W5	18772	E	OBS	2	1	FS		1.0
CA-FRE-3169	N19.5/W5	18772	F	OBS	2	2	FS		0.6
CA-FRE-3169	N19.5/W5	18772	G	OBS	2	7	FS		0.4
CA-FRE-3169	N19.5/W5	18772	H	OBS	2	10	FS		0.1
CA-FRE-3169	N19.5/W5	18772	I	OBS	2	2	FS		0.3
CA-FRE-3169	N19.5/W5	18772	J	OBS	1	12	FS		0.1
CA-FRE-3169	N19.5/W5	18772	K	OBS	1	11	FS		0.1
CA-FRE-3169	N19.5/W5	18772	L	OBS	1	9	FS		0.1
CA-FRE-3169	N19.5/W5	18772	M	OBS	1	10	FS		0.1
CA-FRE-3169	N19.5/W5	18772	N	OBS	2	1	UNK		0.6
CA-FRE-3169	N19.5/W5	18772	O	OBS	2	10	UNK	FS	0.3
CA-FRE-3169	N19.5/W5	18772	P	OBS	2	2	UNK		0.1
CA-FRE-3169	N19.5/W5	18772	Q	OBS	2	2	UNK		0.1
CA-FRE-3169	S12/E7.5	18773	A	OBS	2	10	FS		0.4
CA-FRE-3169	S12/E7.5	18773	AA	OBS	1	12	UNK		0.1
CA-FRE-3169	S12/E7.5	18773	B	OBS	2	10	FS		0.1
CA-FRE-3169	S12/E7.5	18773	BB	OBS	1	15	UNK		0.1
CA-FRE-3169	S12/E7.5	18773	C	OBS	2	13	FS		0.1
CA-FRE-3169	S12/E7.5	18773	CC	OBS	1	15	UNK		0.1
CA-FRE-3169	S12/E7.5	18773	D	OBS	2	10	FS		0.1
CA-FRE-3169	S12/E7.5	18773	DD	OBS	1	13	UNK		0.1
CA-FRE-3169	S12/E7.5	18773	E	OBS	1	12	FS		0.1
CA-FRE-3169	S12/E7.5	18773	EE	OBS	1	12	UNK		0.1
CA-FRE-3169	S12/E7.5	18773	F	OBS	1	13	FS		0.1
CA-FRE-3169	S12/E7.5	18773	G	OBS	1	9	FS		0.1
CA-FRE-3169	S12/E7.5	18773	H	OBS	1	13	FS		0.1
CA-FRE-3169	S12/E7.5	18773	I	OBS	1	15	FS		0.1
CA-FRE-3169	S12/E7.5	18773	J	OBS	1	11	FS		0.1
CA-FRE-3169	S12/E7.5	18773	K	OBS	1	15	FS		0.1
CA-FRE-3169	S12/E7.5	18773	L	OBS	1	9	FS		0.1
CA-FRE-3169	S12/E7.5	18773	M	OBS	1	9	FS		0.1
CA-FRE-3169	S12/E7.5	18773	N	OBS	3	4	UNK	FS	2.3
CA-FRE-3169	S12/E7.5	18773	O	OBS	2	11	UNK		0.1
CA-FRE-3169	S12/E7.5	18773	P	OBS	2	10	UNK		0.1
CA-FRE-3169	S12/E7.5	18773	Q	OBS	2	10	UNK		0.1
CA-FRE-3169	S12/E7.5	18773	R	OBS	1	13	UNK		0.1
CA-FRE-3169	S12/E7.5	18773	S	OBS	1	12	UNK		0.1
CA-FRE-3169	S12/E7.5	18773	T	OBS	1	12	UNK		0.1
CA-FRE-3169	S12/E7.5	18773	U	OBS	1	15	UNK		0.1
CA-FRE-3169	S12/E7.5	18773	V	OBS	1	13	UNK		0.1
CA-FRE-3169	S12/E7.5	18773	W	OBS	1	13	UNK		0.1
CA-FRE-3169	S12/E7.5	18773	X	OBS	1	10	UNK		0.1
CA-FRE-3169	S12/E7.5	18773	Y	OBS	1	3	UNK		0.1
CA-FRE-3169	S12/E7.5	18773	Z	OBS	1	13	UNK		0.1

Note: MTRL=Material, SIZ=size class, TYPE=flake type, VIS=visually determined obsidian source, XRF=geochemically determined source, WT=weight

Millingslab Analysis

SITE	PROV	Art. No	MTRL	COND	WT	ML	MW	MTH	SSP	SF#	SHP	TXT	POL	STR	PCK	FA	COMM
CA-FRE-3104	ROCK FEAT.	3104GS-2	META	WHL	7KG	350	210	75	-	1	FLAT	S	+	+	-	-	
CA-FRE-3104	ROCK FEAT.	3104GS-1	GRN	WHL	>11KG	560	275	50	-	1	FLAT	S	+	-	-	-	UNMOD. TAB. GRANITE SLAB
CA-FRE-3105	F-5	3105GS-5	GRN	WHL	>11KG	-540	-370	-100	-	1	IRR	IRR	+	-	-	-	UNMOD. TAB. PIECE OF GRANITE
CA-FRE-3105	F-5	3105GS-6	GRN	WHL	>11KG	470	380	70	-	1	IRR	IRR	+	-	-	-	UNMOD. TAB. PIECE OF GRANITE
CA-FRE-3105	F-1	3105GS-2	GRN	WHL	>11KG	570	436	184	-	1	IRR	IRR	+	-	-	-	POSS. FLAKED TO REDUCE MASS
CA-FRE-3169	OUTSIDE F-1	3169GS-2	META	WHL	10.2KG	470	230	65	-	1	IRR	IRR	+	-	+	-	
CA-FRE-3169	F-1	3169GS-1	GRN	WHL	>11KG	510	290	130	-	1	FLAT	S	+	-	-	-	GRND. SURF. IS SHEARED FRAC. PLANE
CA-FRE-3169	F-1	3169GS-3	GRN	WHL	>11KG	550	270	120	-	1	IRR	IRR	+	-	-	-	UNMOD. TAB. PIECE OF GRANITE
NONSITE	372924, 4093083	NSGS-2	META	MED	3.9KG	365	130	55	-	1	FLAT	S	+	+	+	-	
NONSITE	372924, 4093083	NSGS-1	META	END	2.2KG	335	170	35.7	-	1	FLAT	IRR	+	-	-	-	UNMOD. TAB. PIECE OF METAVOLCANIC

Note: PROV=provenience, Art. No.=artifact number, MTRL=material, COND=condition, WT=weight, ML=maximum length, MW=maximum width, MTH=maximum thickness, SHP=shaped, SF#=number of used surfaces, SSP=surface shape, TXT=surface texture, POL=polish, STR=striations, PCK=pecking, FA=fire affected, COMM=comments

Handstone Analysis

SITE	PROV	Art. No	MTRL	COND	WT	ML	MW	MTH	SHP	SF#	SSP	TXT	POL	STR	PCK	FA	COMM
CA-FRE-3102		3102GS-1	GRN	NC	<500G	95.2	63.2	32.6	IND	IND	S.CONV	S	+	-	IN	-	DECOMPOSING GRANITE COBBLE
CA-FRE-3104	LOC.B	3104GS-1	MET	WHL	<500G	118.0	67.7	39.9	-	1	S.CONV	S	+	+	-	-	RECOVERED IN 1998 TEST UNIT
CA-FRE-3105	NON-FEAT.	3105GS-4	GRN	WHL	1200G	161.4	98.5	60.6	-	2	S.CONV/S.C	S/S	+/+	+/IN	+/I	-	HAMMERSTONE ON SITE REC.
CA-FRE-3105	F-1	3105GS-1	GRN	WHL	600G	118.3	92.0	69.4	-	1	S.CONV	S	+	+	-	-	ANG. ROCK WITH 1 FLAT GRND. FACE
CA-FRE-3105	F-1	3105GS-3	GRN	END	<500G	127.8	-71.4	-63.8	-	IND	S.CONV	S	+	-	+	-	
CA-FRE-3169	F-1	3169GS-4	GRN	WHL	1400G	129.6	111.3	82.9	-	1	S.CONV	IRR	+	-	-	-	
NON-SITE	372898, 4092209	NSGS-3	GRN	WHL	<500G	118.1	68.6	43.7	-	1	S.CONV	IRR	+	-	+	-	

Note: PROV=provenience, Art. No.=artifact number, MTRL=material, COND=condition, WT=weight, ML=maximum length, MW=maximum width, MTH=maximum thickness, SHP=shaped, SF#=number of used surfaces, SSP=surface shape, TXT=surface texture, POL=polish, STR=striations, PCK=pecking, FA=fire affected, COMM=comments

Appendix D

SOURCES OF DATA

Casa Diablo Projectile Points

SITE	ID	REFERENCE	TYPE	SERIES	ELEV	RIM	EHT
CA-TUO-2833	83666	YOSEMITE DATABASE	DSN-S	DESERT	9450	2.1	5.8
CA-TUO-2829	89699	YOSEMITE DATABASE	DSN	DESERT	9400	0.9	5.9
CA-TUO-2821/H	83650	YOSEMITE DATABASE	DSN	DESERT	9290	1.4	6.0
CA-TUO-2813	83634	YOSEMITE DATABASE	DSN-S	DESERT	8800	1.8	6.4
CA-TUO-2811	92422	YOSEMITE DATABASE	DSN	DESERT	8640	0.6	6.6
CA-MRP-0154	83572	YOSEMITE DATABASE	DSN-S	DESERT	8160	1.2	7.1
CA-MRP-0154	83573	YOSEMITE DATABASE	DSN-G	DESERT	8160	1.2	7.1
F149	349-571	JACKSON R 1985	CTW	DESERT	8596	1.8	7.5
CA-TUL-1258	5223	ROPER WICKSTROM 1992	DSN	DESERT	7760	1.2	7.5
CA-TUL-1258	5218	ROPER WICKSTROM 1992	CT	DESERT	7760	2.2	7.5
CA-TUO-0028	98302	YOSEMITE DATABASE	DSN-S	DESERT	7510	1.6	7.8
CA-TUO-1493	83715	YOSEMITE DATABASE	DSN-G	DESERT	7180	2.6	8.2
CA-TUO-1493	83708	YOSEMITE DATABASE	DSN-S	DESERT	7180	2.0	8.2
CA-TUO-1493	83703	YOSEMITE DATABASE	DSN-S	DESERT	7180	1.9	8.2
CA-TUO-1493	33094	YOSEMITE DATABASE	DSN-G	DESERT	7180	1.7	8.2
CA-TUO-1493	33092	YOSEMITE DATABASE	DSN-S	DESERT	7180	1.6	8.2
CA-TUO-1493	33062	YOSEMITE DATABASE	DSN-S	DESERT	7180	1.9	8.2
CA-MNO-714		JACKSON R 1986	DSN	DESERT	7871	1.2	8.5
CA-MRP-223/224	58780	YOSEMITE DATABASE	DSN-G	DESERT	6940	1.2	8.5
CA-MRP-223/224	58819	YOSEMITE DATABASE	DSN-G	DESERT	6940	1.2	8.5
CA-MRP-223/224	58729	YOSEMITE DATABASE	DSN-G	DESERT	6940	1.5	8.5
CA-MRP-223/224	58680	YOSEMITE DATABASE	DSN-G	DESERT	6940	1.1	8.5
CA-MRP-223/224	58677	YOSEMITE DATABASE	DSN-G	DESERT	6940	1.3	8.5
CA-MRP-223/224	58659	YOSEMITE DATABASE	CTW	DESERT	6940	1.9	8.5
CA-MRP-238	62038	YOSEMITE DATABASE	DSN-S	DESERT	6800	1.8	8.7
CA-MRP-238	62041	YOSEMITE DATABASE	DSN-S	DESERT	6800	2.1	8.7
CA-FRE-137	137-932	CAPUTO 1994	DSN	DESERT	6700	1.7	8.8
CA-FRE-137	137-1220	CAPUTO 1994	DSN	DESERT	6700	1.5	8.8
CA-FRE-137	137-831	CAPUTO 1994	DSN	DESERT	6700	1.6	8.8
CA-FRE-137	137-1506	CAPUTO 1994	DSN	DESERT	6700	1.9	8.8
CA-FRE-137	137-773	CAPUTO 1994	DSN	DESERT	6700	2.3	8.8
CA-FRE-137	137-635	CAPUTO 1994	DSN	DESERT	6700	2.1	8.8
CA-FRE-137	137-1085	CAPUTO 1994	DSN	DESERT	6700	2.3	8.8
CA-FRE-137	137-1081	CAPUTO 1994	DSN	DESERT	6700	1.1	8.8
CA-FRE-812	26-4	GOLDBERG AND MORATTO 1984	DSN	DESERT	6649	2.1	8.9
CA-FRE-812	20-8	GOLDBERG AND MORATTO 1984	CT	DESERT	6649	1.4	8.9
CA-FRE-812	37-19	GOLDBERG AND MORATTO 1984	CT	DESERT	6649	1.0	8.9
CA-FRE-812	8-6	GOLDBERG AND MORATTO 1984	DSN	DESERT	6649	1.0	8.9
CA-MNO-3178	227-1-79	BASGALL AND RICHMAN 1998	CT	DESERT	7539	1.7	9.0
F165	349-706	JACKSON R 1985	CTW	DESERT	7503	2.2	9.1
CA-MNO-11		BOUSCAREN HALL SWENSON 1982	DSN	DESERT	7382	1.7	9.3
A48	349-217	JACKSON R 1985	CTW	DESERT	7362	2.1	9.3
CA-MNO-3180	227-1-87	BASGALL AND RICHMAN 1998	DSN	DESERT	7241	1.0	9.5
CA-FRE-798	809	JACKSON AND DIETZ 1984	DSN	DESERT	6165	1.2	9.6
CA-FRE-798	697	JACKSON AND DIETZ 1984	DSN	DESERT	6165	1.6	9.6
CA-FRE-815	121	HOLSON 1996	DSN	DESERT	6100	3.2	9.7
CA-MNO-458		BURTON 1985	DSN	DESERT	7100	1.2	9.7
CA-MNO-458		BURTON 1985	DSN	DESERT	7100	1.3	9.7
CA-MNO-458		BURTON 1985	DSN	DESERT	7100	1.5	9.7
CA-MNO-458		BURTON 1985	DSN	DESERT	7100	1.8	9.7
CA-MNO-458		BURTON 1985	DSN	DESERT	7100	2.0	9.7
CA-MNO-458		BURTON 1985	DSN	DESERT	7100	2.1	9.7
CA-MNO-458		BURTON 1985	CT	DESERT	7100	3.1	9.7
CA-MNO-458		BURTON 1985	CT	DESERT	7100	1.8	9.7
CA-MNO-458		BURTON 1985	CT	DESERT	7100	1.4	9.7
CA-MNO-458		BURTON 1985	CT	DESERT	7100	1.3	9.7
CA-MNO-458		BURTON 1985	DSN	DESERT	7100	3.1	9.7
CA-MNO-458		BURTON 1985	DSN	DESERT	7100	2.9	9.7
CA-MNO-458		BURTON 1985	DSN	DESERT	7100	2.1	9.7
F164	349-704	JACKSON R 1985	DSN	DESERT	7021	2.0	9.9

SITE	ID	REFERENCE	TYPE	SERIES	ELEV	RIM	EHT
CA-MRP-372	32849	YOSEMITE DATABASE	DSN-G	DESERT	5840	1.5	10.1
CA-MRP-199	52063	YOSEMITE DATABASE	DSN-G	DESERT	5800	1.5	10.1
CA-MRP-199	52039	YOSEMITE DATABASE	DSN	DESERT	5800	1.1	10.1
CA-MNO-584		GARFINKEL AND COOK 1979	DSN	DESERT	6840	1.2	10.2
CA-FRE-1360	00408	WICKSTROM ET AL 1991	DSN	DESERT	5600	1.5	10.4
CA-FRE-1360	00503	WICKSTROM ET AL 1991	DSN	DESERT	5600	1.3	10.4
CA-FRE-1360	00427	WICKSTROM ET AL 1991	DSN	DESERT	5600	1.6	10.4
CA-FRE-1360	00414	WICKSTROM ET AL 1991	DSN	DESERT	5600	1.8	10.4
CA-FRE-1360	00407	WICKSTROM ET AL 1991	DSN	DESERT	5600	1.4	10.4
CA-FRE-1360	00327	WICKSTROM ET AL 1991	DSN	DESERT	5600	1.2	10.4
CA-FRE-1360	00300	WICKSTROM ET AL 1991	DSN	DESERT	5600	1.2	10.4
CA-FRE-1360	00280	WICKSTROM ET AL 1991	DSN	DESERT	5600	2.1	10.4
CA-FRE-1360	00009	WICKSTROM ET AL 1991	DSN	DESERT	5600	0.9	10.4
CA-FRE-1044	00399	WICKSTROM ET AL 1991	CT	DESERT	5600	2.6	10.4
CA-FRE-1044	00382	WICKSTROM ET AL 1991	CT	DESERT	5600	1.8	10.4
CA-FRE-1044	00004	WICKSTROM ET AL 1991	DSN	DESERT	5600	1.5	10.4
CA-FRE-1360	00419	WICKSTROM ET AL 1991	CT	DESERT	5600	2.0	10.4
CA-TUO-4002	98376	YOSEMITE DATABASE	DSN-G	DESERT	5590	1.3	10.4
CA-FRE-906	12A	WICKSTROM ET AL 1991	DSN	DESERT	5500	2.2	10.6
CA-FRE-1978	20-1A	WICKSTROM ET AL 1991	DSN	DESERT	5500	1.1	10.6
CA-FRE-1967	72	WICKSTROM ET AL 1991	DSN	DESERT	5500	1.6	10.6
CA-INY-5255/H	227-1-287	BASGALL AND RICHMAN 1998	DSN	DESERT	6470	1.3	10.9
CA-TUO-3997	98375	YOSEMITE DATABASE	DSN-G	DESERT	4840	1.6	11.7
CA-MNO-3221/H	227-2-27	BASGALL AND RICHMAN 1998	DSN	DESERT	5640	3.0	12.6
CA-MRP-655	51200	YOSEMITE DATABASE	DSN	DESERT	4000	1.0	13.3
CA-MRP-056	92545	YOSEMITE DATABASE	DSN	DESERT	4000	2.0	13.3
CA-MRP-056	60334	YOSEMITE DATABASE	DSN	DESERT	4000	3.2	13.3
CA-MRP-301	71140	YOSEMITE DATABASE	DSN-S	DESERT	4000	1.9	13.3
CA-MRP-171	91972	YOSEMITE DATABASE	DSN	DESERT	4000	1.5	13.3
CA-MRP-748	75628	YOSEMITE DATABASE	DSN	DESERT	3980	3.4	13.3
CA-MRP-516	Y85A-277	YOSEMITE DATABASE	DSN	DESERT	3980	4.1	13.3
CA-MRP-082	Y87A-45	YOSEMITE DATABASE	DSN	DESERT	3960	1.5	13.4
CA-MRP-062	92604	YOSEMITE DATABASE	DSN	DESERT	3960	0.8	13.4
CA-MRP-329	Y85A-25	YOSEMITE DATABASE	DSN	DESERT	3870	1.9	13.5
CA-TUO-3273	89358	YOSEMITE DATABASE	DSN	DESERT	3805	1.8	13.7
CA-TUO-3273	89358	YOSEMITE DATABASE	DSN	DESERT	3805	1.8	13.7
CA-MAD-411	57-1	PRICE 2001	DSN	DESERT	3500	2.3	14.3
CA-MAD-411	4-2	PRICE 2001	DSN	DESERT	3500	2.1	14.3
CA-MAD-397	3-8	GOLDBERG ET AL 1986	DSN	DESERT	3440	1.9	14.4
CA-MAD-387	5-21	GOLDBERG ET AL 1986	DSN	DESERT	3400	1.8	14.5
CA-MAD-1213	2-13	GOLDBERG ET AL 1986	DSN	DESERT	3400	1.4	14.5
CA-MAD-1213	7-8	GOLDBERG ET AL 1986	DSN	DESERT	3400	1.9	14.5
CA-MAD-387	5-22	GOLDBERG ET AL 1986	DSN	DESERT	3400	2.9	14.5
CA-MAD-387	2	GOLDBERG ET AL 1986	DSN	DESERT	3400	2.3	14.5
CA-MAD-387	5-33	GOLDBERG ET AL 1986	CT	DESERT	3400	2.1	14.5
CA-MAD-387	5-22	GOLDBERG ET AL 1986	DSN	DESERT	3400	2.8	14.5
CA-MAD-223	2-1-1	GOLDBERG ET AL 1986	DSN	DESERT	3380	1.1	14.6
CA-MAD-223	2-1-1	GOLDBERG ET AL 1986	DSN	DESERT	3380	2.3	14.6
CA-INY-1386		BOUSCAREN 1985	DSN	DESERT	4400	1.9	15.6
CA-INY-1386	9-1935	BOUSCAREN 1985	DSN	DESERT	4400	1.9	15.6
CA-MAD-1222	2-35	GOLDBERG ET AL 1986	DSN	DESERT	2830	1.7	15.8
CA-MAD-1222	3-6	GOLDBERG ET AL 1986	CT	DESERT	2830	2.8	15.8
CA-MAD-1222	2-35	GOLDBERG ET AL 1986	DSN	DESERT	2830	3.4	15.8
CA-TUL-24	1353-24-2450	HALE AND HULL 1997	DSN	DESERT	2800	1.8	15.9
CA-TUL-24	1352-24-2390	HALE AND HULL 1997	CT	DESERT	2800	1.3	15.9
CA-TUL-24	1353-24-1261	HALE AND HULL 1997	DSN	DESERT	2800	2.5	15.9
CA-TUL-24	1353-24-2453	HALE AND HULL 1997	DSN	DESERT	2800	2.3	15.9
CA-TUL-24	1353-24-943	HALE AND HULL 1997	DSN	DESERT	2800	2.0	15.9
CA-INY-2146		BETTINGER DELACORTE MCGUIRE 1984	DSN	DESERT	4111	2.6	16.4
CA-INY-30	5046	BASGALL AND MCGUIRE 1988	CT	DESERT	3781	1.7	17.4
CA-MRP-382	73753	YOSEMITE DATABASE	DSN	DESERT	2000	2.7	17.9
CA-MRP-382	74941	YOSEMITE DATABASE	DSN	DESERT	2000	2.1	17.9
CA-MRP-382	73752	YOSEMITE DATABASE	DSN	DESERT	2000	2.7	17.9
CA-MRP-382	73751	YOSEMITE DATABASE	DSN	DESERT	2000	2.8	17.9
CA-MRP-382	63101	YOSEMITE DATABASE	DSN	DESERT	2000	2.4	17.9
CA-MRP-382	63099	YOSEMITE DATABASE	DSN	DESERT	2000	2.8	17.9

SITE	ID	REFERENCE	TYPE	SERIES	ELEV	RIM	EHT
CA-MRP-382	63070	YOSEMITE DATABASE	DSN	DESERT	2000	3.2	17.9
CA-MRP-382	31397	YOSEMITE DATABASE	CTW	DESERT	2000	2.2	17.9
CA-MRP-382	31335	YOSEMITE DATABASE	CTW	DESERT	2000	1.2	17.9
CA-MRP-250	31480	YOSEMITE DATABASE	DSN-G	DESERT	1960	3.3	18.1
CA-MRP-250	31568	YOSEMITE DATABASE	DSN-S	DESERT	1960	3.7	18.1
CA-MRP-358	84171	YOSEMITE DATABASE	DSN-G	DESERT	1800	3.7	18.5
CA-MRP-181	45261	YOSEMITE DATABASE	DSN-G	DESERT	1800	1.9	18.5
CA-MRP-181	60651	YOSEMITE DATABASE	CTW	DESERT	1800	1.8	18.5
CA-MRP-358	84163	YOSEMITE DATABASE	DSN-S	DESERT	1800	3.4	18.5
CA-MRP-358	84151	YOSEMITE DATABASE	DSN-G	DESERT	1800	2.0	18.5
CA-MRP-358	84173	YOSEMITE DATABASE	DSN-S	DESERT	1800	1.3	18.5
CA-MRP-17/H	W73-5	RONDEAU AND WULF 1998	CTW	DESERT	1750	2.1	18.6
CA-MRP-17/H	W73-354	RONDEAU AND WULF 1998	DSN-G	DESERT	1750	2.3	18.6
CA-MRP-17/H	W73-236	RONDEAU AND WULF 1998	DSN-G	DESERT	1750	2.6	18.6
CA-MRP-17/H	W73-16	RONDEAU AND WULF 1998	DSN	DESERT	1750	1.5	18.6
CA-MRP-17/H	W73-339	RONDEAU AND WULF 1998	DSN-G	DESERT	1750	1.8	18.6
CA-MRP-17/H	W73-93	RONDEAU AND WULF 1998	CTW	DESERT	1750	3.0	18.6
CA-MRP-17/H	W73-370	RONDEAU AND WULF 1998	DSN-S	DESERT	1750	1.9	18.6
CA-MRP-17/H	W73-182	RONDEAU AND WULF 1998	DSN-G	DESERT	1750	2.0	18.6
CA-MRP-17/H	W73-522	RONDEAU AND WULF 1998	CTW	DESERT	1750	1.2	18.6
CA-FRE-64	1047	ORIGER DATABASE	DSN	DESERT	800	3.6	21.5
CA-FRE-64	1246	ORIGER DATABASE	DSN	DESERT	800	2.8	21.5
CA-FRE-64	784	ORIGER DATABASE	DSN	DESERT	800	2.8	21.5
CA-FRE-64	1631	ORIGER DATABASE	DSN	DESERT	800	3.0	21.5
CA-FRE-1671	2045	MORATTO 1988	DSN	DESERT	600	4.1	22.2
CA-FRE-1671	1890	MORATTO 1988	DSN	DESERT	600	4.0	22.2
CA-FRE-1671	2235	MORATTO 1988	DSN	DESERT	600	2.5	22.2
ISO-87-5	5389	ROPER WICKSTROM 1992	RS	ROSEGATE	11860	2.0	4.1
CA-TUO-2834	89947	YOSEMITE DATABASE	RS-EG	ROSEGATE	9450	1.5	5.8
CA-TUO-2824	83652	YOSEMITE DATABASE	RS-CN	ROSEGATE	9370	1.9	5.9
88D-42	Y88D-61, ART	YOSEMITE DATABASE	RS	ROSEGATE	9040	1.0	6.2
F135	349-463	JACKSON R 1985	RS-EG	ROSEGATE	9501	2.1	6.4
F135	349-462	JACKSON R 1985	RS-EG	ROSEGATE	9501	3.3	6.4
CA-MRP-1951	83606	YOSEMITE DATABASE	RS-CN	ROSEGATE	8170	2.5	7.1
CA-MRP-1924	83583	YOSEMITE DATABASE	RS-CN	ROSEGATE	7940	2.6	7.3
CA-MRP-682	34102	YOSEMITE DATABASE	RS-CN	ROSEGATE	7800	4.1	7.5
CA-MRP-682	34101	YOSEMITE DATABASE	RS-CN	ROSEGATE	7800	2.4	7.5
CA-TUO-0028	98304	YOSEMITE DATABASE	RS-CN	ROSEGATE	7510	2.1	7.8
CA-TUO-0207	98310	YOSEMITE DATABASE	RS-CN	ROSEGATE	7510	2.1	7.8
CA-TUO-1493	83713	YOSEMITE DATABASE	RS-CN	ROSEGATE	7180	1.8	8.2
CA-TUO-1493	33100	YOSEMITE DATABASE	RS-CS	ROSEGATE	7180	1.1	8.2
CA-TUO-1493	33067	YOSEMITE DATABASE	RS-CS	ROSEGATE	7180	2.1	8.2
CA-TUO-1493	33048	YOSEMITE DATABASE	RS-CN	ROSEGATE	7180	3.0	8.2
CA-MNO-529		BASGALL 1983	EG-ES	ROSEGATE	7972	2.3	8.4
CA-MRP-223/224	58655	YOSEMITE DATABASE	RS-CS	ROSEGATE	6940	2.6	8.5
CA-MNO-561		HALL 1983	RS-CN	ROSEGATE	7848	4.2	8.5
CA-MNO-561		HALL 1983	RS-CN	ROSEGATE	7848	3.2	8.5
CA-FRE-137	137-1410	CAPUTO 1994	RG	ROSEGATE	6700	1.8	8.8
CA-FRE-137	137-607	CAPUTO 1994	RG	ROSEGATE	6700	2.0	8.8
CA-FRE-137	137-670	CAPUTO 1994	RG	ROSEGATE	6700	3.2	8.8
CA-FRE-137	137-820	CAPUTO 1994	RG	ROSEGATE	6700	2.1	8.8
CA-FRE-137	137-837	CAPUTO 1994	RG	ROSEGATE	6700	-5.2	8.8
CA-FRE-137	137-925	CAPUTO 1994	RG	ROSEGATE	6700	3.5	8.8
CA-FRE-137	137-995	CAPUTO 1994	RG	ROSEGATE	6700	3.1	8.8
CA-FRE-137	137-1333	CAPUTO 1994	RG	ROSEGATE	6700	2.9	8.8
CA-FRE-137	137-1615	CAPUTO 1994	RG	ROSEGATE	6700	1.1	8.8
CA-FRE-137	137-494	CAPUTO 1994	RG	ROSEGATE	6700	2.6	8.8
CA-FRE-137	137-160	CAPUTO 1994	RG	ROSEGATE	6700	3.0	8.8
CA-FRE-137	137-1255	CAPUTO 1994	RG	ROSEGATE	6700	2.4	8.8
CA-FRE-137	137-170	CAPUTO 1994	RG	ROSEGATE	6700	2.5	8.8
CA-FRE-137	137-761	CAPUTO 1994	RG	ROSEGATE	6700	2.1	8.8
CA-FRE-137	137-660	CAPUTO 1994	RG	ROSEGATE	6700	1.7	8.8
CA-FRE-137	137-573	CAPUTO 1994	RG	ROSEGATE	6700	3.5	8.8
CA-FRE-137	137-517	CAPUTO 1994	RG	ROSEGATE	6700	2.6	8.8

SITE	ID	REFERENCE	TYPE	SERIES	ELEV	RIM	EHT
CA-FRE-137	137-496	CAPUTO 1994	RG	ROSEGATE	6700	3.5	8.8
CA-FRE-137	137-450	CAPUTO 1994	RG	ROSEGATE	6700	1.6	8.8
CA-FRE-137	137-466	CAPUTO 1994	RG	ROSEGATE	6700	2.3	8.8
CA-FRE-137	137-264	CAPUTO 1994	RG	ROSEGATE	6700	2.3	8.8
CA-FRE-137	137-900	CAPUTO 1994	RG	ROSEGATE	6700	2.6	8.8
CA-FRE-137	137-162	CAPUTO 1994	RG	ROSEGATE	6700	2.6	8.8
CA-FRE-137	137-144	CAPUTO 1994	RG	ROSEGATE	6700	2.2	8.8
CA-FRE-137	137-139	CAPUTO 1994	RG	ROSEGATE	6700	2.0	8.8
CA-FRE-137	137-9	CAPUTO 1994	RG	ROSEGATE	6700	2.2	8.8
CA-FRE-137	137-429	CAPUTO 1994	RG	ROSEGATE	6700	3.4	8.8
CA-FRE-137	137-425	CAPUTO 1994	RG	ROSEGATE	6700	2.3	8.8
CA-FRE-137	137-1259	CAPUTO 1994	RG	ROSEGATE	6700	2.0	8.8
CA-FRE-137	137-395	CAPUTO 1994	RG	ROSEGATE	6700	1.0	8.8
CA-FRE-137	137-141	CAPUTO 1994	RG	ROSEGATE	6700	2.1	8.8
CA-FRE-137	137-106	CAPUTO 1994	RG	ROSEGATE	6700	2.7	8.8
CA-FRE-137	137-83	CAPUTO 1994	RG	ROSEGATE	6700	2.4	8.8
CA-FRE-137	137-12	CAPUTO 1994	RG	ROSEGATE	6700	2.9	8.8
CA-FRE-137	137-809	CAPUTO 1994	RG	ROSEGATE	6700	2.4	8.8
CA-FRE-137	137-1070	CAPUTO 1994	RG	ROSEGATE	6700	2.3	8.8
CA-FRE-137	137-850	CAPUTO 1994	RG	ROSEGATE	6700	1.4	8.8
CA-FRE-137	137-1440	CAPUTO 1994	RG	ROSEGATE	6700	2.2	8.8
CA-FRE-137	137-996	CAPUTO 1994	RG	ROSEGATE	6700	2.6	8.8
CA-FRE-137	137-995	CAPUTO 1994	RG	ROSEGATE	6700	3.1	8.8
CA-FRE-137	137-928	CAPUTO 1994	RG	ROSEGATE	6700	3.1	8.8
CA-FRE-137	137-919	CAPUTO 1994	RG	ROSEGATE	6700	2.8	8.8
CA-FRE-137	137-901	CAPUTO 1994	RG	ROSEGATE	6700	1.8	8.8
CA-FRE-137	137-471	CAPUTO 1994	RG	ROSEGATE	6700	2.3	8.8
CA-FRE-137	137-11	CAPUTO 1994	RG	ROSEGATE	6700	2.2	8.8
CA-FRE-812	28-13	GOLDBERG AND MORATTO 1984	RSCN	ROSEGATE	6649	1.3	8.9
CA-FRE-812	15-4	GOLDBERG AND MORATTO 1984	RSCN	ROSEGATE	6649	0.9	8.9
CA-FRE-812	37-23	GOLDBERG AND MORATTO 1984	RSCN	ROSEGATE	6649	1.9	8.9
CA-FRE-812	34-10	GOLDBERG AND MORATTO 1984	RSCN	ROSEGATE	6649	1.5	8.9
CA-FRE-812	28-4	GOLDBERG AND MORATTO 1984	RSCN	ROSEGATE	6649	0.8	8.9
CA-FRE-812	21-4	GOLDBERG AND MORATTO 1984	EASTGATE-	ROSEGATE	6649	1.1	8.9
CA-MRP-097	33114	YOSEMITE DATABASE	EG-ES	ROSEGATE	6560	3.3	9.0
CA-FRE-814	111	HOLSON 1996	RG	ROSEGATE	6520	1.1	9.1
CA-MNO-1644		BOUSCAREN HALL SWENSON 1982	RS-CN	ROSEGATE	7506	2.9	9.1
CA-MNO-703		BURTON 1986	EG-ES	ROSEGATE	7362	3.6	9.3
A48	349-215	JACKSON R 1985	RS-EG	ROSEGATE	7362	1.8	9.3
CA-FRE-815	103	HOLSON 1996	RG	ROSEGATE	6100	1.0	9.7
CA-MNO-458		BURTON 1985	EG-ES	ROSEGATE	7100	1.6	9.7
CA-MNO-458		BURTON 1985	EG-ES	ROSEGATE	7100	4.3	9.7
CA-MNO-458		BURTON 1985	EG-ES	ROSEGATE	7100	2.4	9.7
CA-MNO-458		BURTON 1985	EG-ES	ROSEGATE	7100	1.4	9.7
CA-MNO-458		BURTON 1985	EG-ES	ROSEGATE	7100	3.7	9.7
F164	349-695	JACKSON R 1985	RS-EG	ROSEGATE	7021	2.6	9.9
CA-TUO-0226	98324	YOSEMITE DATABASE	RS-CN	ROSEGATE	5840	2.5	10.1
CA-MNO-891	660	WICKSTROM JACKSON JACKSON 1993	RS	ROSEGATE	6821	2.5	10.2
CA-FRE-1044	00469	WICKSTROM ET AL 1991	RSCN	ROSEGATE	5600	2.5	10.4
CA-FRE-1044	00449	WICKSTROM ET AL 1991	RSCN	ROSEGATE	5600	2.5	10.4
CA-TUO-4002	98382	YOSEMITE DATABASE	RS-CN	ROSEGATE	5590	2.0	10.4
CA-FRE-906	40A	WICKSTROM ET AL 1991	RG	ROSEGATE	5500	1.1	10.6
CA-TUO-3995	98366	YOSEMITE DATABASE	RS-CN	ROSEGATE	4840	4.1	11.7
CA-INY-5244	227-1-156	BASGALL AND RICHMAN 1998	RS	ROSEGATE	5899	3.5	12.0
CA-MRP-174	50465	YOSEMITE DATABASE	RS-CN	ROSEGATE	4095	3.7	13.1
CA-MRP-174	50452	YOSEMITE DATABASE	RS	ROSEGATE	4095	2.4	13.1
CA-MRP-733	51426	YOSEMITE DATABASE	RS-CN	ROSEGATE	4080	1.7	13.1
CA-MRP-655	51231	YOSEMITE DATABASE	RS-CS	ROSEGATE	4000	2.5	13.3
CA-MRP-301	71159	YOSEMITE DATABASE	RS-CN	ROSEGATE	4000	2.6	13.3
CA-MRP-301	71157	YOSEMITE DATABASE	RS-CN	ROSEGATE	4000	2.3	13.3
CA-MRP-301	71156	YOSEMITE DATABASE	RS-CN	ROSEGATE	4000	2.8	13.3
CA-MRP-301	71155	YOSEMITE DATABASE	RS-CN	ROSEGATE	4000	4.4	13.3
CA-MRP-301	71144	YOSEMITE DATABASE	RS-CN	ROSEGATE	4000	2.2	13.3
CA-MRP-305	94118	YOSEMITE DATABASE	RS-CN	ROSEGATE	3980	2.9	13.3
CA-MRP-305	94210	YOSEMITE DATABASE	RS-CN	ROSEGATE	3980	3.8	13.3
CA-MRP-067	92777	YOSEMITE DATABASE	RS-CN	ROSEGATE	3970	3.2	13.3

SITE	ID	REFERENCE	TYPE	SERIES	ELEV	RIM	EHT
CA-MRP-158/309	38863	YOSEMITE DATABASE	RS-CN	ROSEGATE	3960	2.6	13.4
CA-TUO-3994	98364	YOSEMITE DATABASE	RS-CN	ROSEGATE	3400	3.9	14.5
CA-MAD-387	21-1	GOLDBERG ET AL 1986	RG	ROSEGATE	3400	2.7	14.5
CA-MAD-387	5-39	GOLDBERG ET AL 1986	RG	ROSEGATE	3400	3.3	14.5
CA-MAD-387	5-39	GOLDBERG ET AL 1986	RG	ROSEGATE	3400	3.0	14.5
CA-MAD-223	2-4-1	GOLDBERG ET AL 1986	RG	ROSEGATE	3380	4.2	14.6
CA-MAD-223	2-4-1	GOLDBERG ET AL 1986	RG	ROSEGATE	3380	2.5	14.6
CA-MAD-223	2-4-1	GOLDBERG ET AL 1986	RG	ROSEGATE	3380	2.4	14.6
CA-MAD-223	2-4-1	GOLDBERG ET AL 1986	RG	ROSEGATE	3380	2.3	14.6
CA-MAD-223	2-2-2	GOLDBERG ET AL 1986	RG	ROSEGATE	3380	2.5	14.6
CA-MAD-226	2-9	GOLDBERG ET AL 1986	RG	ROSEGATE	3370	4.1	14.6
CA-MAD-226	3-2-2	GOLDBERG ET AL 1986	RG	ROSEGATE	3370	1.0	14.6
CA-MAD-226	2-21	GOLDBERG ET AL 1986	RG	ROSEGATE	3370	2.6	14.6
CA-INY-1386	9-1226	BOUSCAREN 1985	RS	ROSEGATE	4400	-6.0	15.6
CA-TUL-24	1547-24-702	HALE AND HULL 1997	RSCN	ROSEGATE	2800	3.6	15.9
CA-INY-3784/H	227-1-223	BASGALL AND RICHMAN 1998	RS	ROSEGATE	4019	3.1	16.7
CA-MAD-1744/H	90	HULL AND HALE 1992B	RS-CN	ROSEGATE	2240	2.5	17.3
CA-MAD-1744/H	90	HULL AND HALE 1992B	RS-CN	ROSEGATE	2240	2.6	17.3
CA-MRP-382	31336	YOSEMITE DATABASE	RS-EG	ROSEGATE	2000	3.4	17.9
CA-MRP-382	31328	YOSEMITE DATABASE	RS-EG	ROSEGATE	2000	3.2	17.9
CA-MRP-382	31321	YOSEMITE DATABASE	RS-EG	ROSEGATE	2000	5.3	17.9
CA-MRP-250	31470	YOSEMITE DATABASE	RS	ROSEGATE	1960	3.4	18.1
CA-MRP-250	31477	YOSEMITE DATABASE	RS	ROSEGATE	1960	3.1	18.1
CA-MRP-181	41082	YOSEMITE DATABASE	RS-CN	ROSEGATE	1800	4.0	18.5
CA-MRP-181	45463	YOSEMITE DATABASE	RS-CN	ROSEGATE	1800	3.2	18.5
CA-MRP-181	45451	YOSEMITE DATABASE	RS-CS	ROSEGATE	1800	4.5	18.5
CA-MRP-181	45173	YOSEMITE DATABASE	RS-CN	ROSEGATE	1800	2.2	18.5
CA-MRP-181	41083	YOSEMITE DATABASE	RS-CN	ROSEGATE	1800	4.4	18.5
CA-MRP-181	41022	YOSEMITE DATABASE	RS-CS	ROSEGATE	1800	4.7	18.5
CA-MRP-181	40962	YOSEMITE DATABASE	RS-CS	ROSEGATE	1800	3.0	18.5
CA-MRP-181	45172	YOSEMITE DATABASE	EG-ES	ROSEGATE	1800	5.1	18.5
CA-MRP-17/H	W73-47	RONDEAU AND WULF 1998	RS-EG	ROSEGATE	1750	4.4	18.6
CA-MRP-17/H	W73-154	RONDEAU AND WULF 1998	RS-EG	ROSEGATE	1750	3.5	18.6
TUO-S-313	T313-89-22	MORATTO AND SINGLETON 1986	EG-ES	ROSEGATE	750	4.4	21.7
ISO88Z-1	88-11	ROPER WICKSTROM 1992	ELKO CN	ELKO	11440	4.1	4.3
CA-TUO-2834	89985	YOSEMITE DATABASE	ELKO-CN	ELKO	9450	1.7	5.8
CA-TUO-2834	90051	YOSEMITE DATABASE	ELKO-CN	ELKO	9450	2.3	5.8
CA-TUO-2833	89832	YOSEMITE DATABASE	ELKO-CN	ELKO	9450	1.4	5.8
CA-TUO-2834	83667	YOSEMITE DATABASE	ELKO-E	ELKO	9450	3.5	5.8
CA-TUO-2834	90011	YOSEMITE DATABASE	ELKO-E	ELKO	9450	2.2	5.8
IF5	349-855	JACKSON R 1985	ELKO-E	ELKO	9764	4.0	6.1
F135	349-464	JACKSON R 1985	ELKO-E	ELKO	9501	4.0	6.4
CA-TUO-0166	92228	YOSEMITE DATABASE	ELKO-CN	ELKO	8600	5.5	6.6
CA-MRP-1933	83593	YOSEMITE DATABASE	ELKO-CN	ELKO	8300	3.6	6.9
CA-MNO-782	349-851	JACKSON R 1985	ELKO-E	ELKO	8802	4.5	7.2
W131	349-439	JACKSON R 1985	ELKO-E	ELKO	8789	3.8	7.3
F144	349-518	JACKSON R 1985	ELKO-E	ELKO	8724	3.7	7.3
F147	349-552	JACKSON R 1985	ELKO-E	ELKO	8642	4.4	7.4
F147	349-562	JACKSON R 1985	ELKO-CN	ELKO	8642	3.1	7.4
CA-MNO-1529		BASGALL 1984	ELKO-CN	ELKO	8120	5.0	8.2
CA-MNO-1529		BASGALL 1984	ELKO-CN	ELKO	8120	3.6	8.2
CA-MNO-1529		BASGALL 1984	ELKO	ELKO	8120	4.8	8.2
CA-MNO-1529		BASGALL 1984	ELKO-E	ELKO	8120	4.0	8.2
CA-MNO-1529		BASGALL 1984	ELKO-CN	ELKO	8120	2.7	8.2
CA-TUO-1495	32989	YOSEMITE DATABASE	ELKO-CN	ELKO	7200	3.0	8.2
CA-MNO-561		HALL 1983	ELKO-E	ELKO	7848	3.9	8.5
CA-MNO-561		HALL 1983	ELKO-CN	ELKO	7848	4.0	8.5
CA-MNO-561		HALL 1983	ELKO-E	ELKO	7848	3.9	8.5
CA-MNO-561		HALL 1983	ELKO-E	ELKO	7848	4.4	8.5
CA-MNO-561		HALL 1983	ELKO-CN	ELKO	7848	3.2	8.5
CA-MNO-561		HALL 1983	ELKO-CN	ELKO	7848	3.3	8.5
CA-MNO-561		HALL 1983	ELKO-CN	ELKO	7848	3.4	8.5
CA-MNO-561		HALL 1983	ELKO-CN	ELKO	7848	3.8	8.5
CA-MNO-561		HALL 1983	ELKO-CN	ELKO	7848	3.9	8.5

SITE	ID	REFERENCE	TYPE	SERIES	ELEV	RIM	EHT
CA-MNO-561		HALL 1983	ELKO-E	ELKO	7848	2.9	8.5
CA-MNO-561		HALL 1983	ELKO-E	ELKO	7848	3.8	8.5
CA-MNO-561		HALL 1983	ELKO-CN	ELKO	7848	5.3	8.5
CA-MNO-561		HALL 1983	ELKO	ELKO	7848	3.8	8.5
CA-MNO-561		HALL 1983	ELKO	ELKO	7848	3.9	8.5
CA-MNO-561		HALL 1983	ELKO-CN	ELKO	7848	5.8	8.5
CA-MNO-561		HALL 1983	ELKO-CN	ELKO	7848	3.5	8.5
CA-FRE-805	962	JACKSON AND DIETZ 1984	ELKO-CN	ELKO	6820	3.4	8.7
CA-FRE-805	1097	JACKSON AND DIETZ 1984	ELKO-CN	ELKO	6820	1.7	8.7
CA-FRE-805	1110	JACKSON AND DIETZ 1984	ELKO-CN	ELKO	6820	4.0	8.7
CA-FRE-805	1305	JACKSON AND DIETZ 1984	ELKO-CN	ELKO	6820	2.5	8.7
CA-FRE-805	861	JACKSON AND DIETZ 1984	ELKO-CN	ELKO	6820	3.0	8.7
CA-FRE-805	1334	JACKSON AND DIETZ 1984	ELKO-CN	ELKO	6820	2.6	8.7
CA-FRE-805	835	JACKSON AND DIETZ 1984	ELKO-CN	ELKO	6820	4.0	8.7
CA-FRE-805	729	JACKSON AND DIETZ 1984	ELKO-CN	ELKO	6820	4.3	8.7
CA-FRE-805	680	JACKSON AND DIETZ 1984	ELKO-CN	ELKO	6820	3.2	8.7
CA-FRE-805	324	JACKSON AND DIETZ 1984	ELKO-CN	ELKO	6820	2.3	8.7
CA-FRE-137	137-1620	CAPUTO 1994	ECN	ELKO	6700	3.5	8.8
CA-FRE-137	137-7	CAPUTO 1994	EE	ELKO	6700	3.1	8.8
CA-FRE-137	137-476	CAPUTO 1994	EE	ELKO	6700	3.1	8.8
CA-FRE-137	137-1630	CAPUTO 1994	EE	ELKO	6700	3.6	8.8
CA-FRE-812	18-4	GOLDBERG AND MORATTO 1984	ELKO-SN	ELKO	6649	2.0	8.9
CA-FRE-812	44-9	GOLDBERG AND MORATTO 1984	ELKO-SN	ELKO	6649	1.1	8.9
A18	349-65	JACKSON R 1985	ELKO-CN	ELKO	7529	3.4	9.0
CA-MNO-11		BOUSCAREN HALL SWENSON 1982	ELKO-E	ELKO	7382	2.2	9.3
CA-MNO-11		BOUSCAREN HALL SWENSON 1982	ELKO-E	ELKO	7382	3.8	9.3
CA-MNO-11		BOUSCAREN HALL SWENSON 1982	ELKO-CN	ELKO	7382	3.9	9.3
CA-MNO-11		BOUSCAREN HALL SWENSON 1982	ELKO-CN	ELKO	7382	4.2	9.3
A40	349-175	JACKSON R 1985	ELKO-CS	ELKO	7362	3.6	9.3
A38	349-153	JACKSON R 1985	ELKO-CN	ELKO	7201	3.6	9.6
CA-FRE-798	37	JACKSON AND DIETZ 1984	ELKO-CN	ELKO	6165	4.2	9.6
CA-FRE-798	274	JACKSON AND DIETZ 1984	ELKO-CN	ELKO	6165	3.3	9.6
CA-MRP-105	61512	YOSEMITE DATABASE	ELKO-E	ELKO	6160	4.2	9.6
CA-MNO-446	L-17	BETTINGER 1981	ELKO-CN	ELKO	7139	3.0	9.7
CA-MNO-446	L-197	BETTINGER 1981	ELKO-CS	ELKO	7139	4.4	9.7
CA-MNO-446	L-454	BETTINGER 1981	ELKO-CN	ELKO	7139	5.3	9.7
CA-MRP-142	62010	YOSEMITE DATABASE	ELKO-E	ELKO	6080	3.4	9.7
CA-MNO-458		BURTON 1985	ELKO	ELKO	7100	3.6	9.7
CA-MNO-458		BURTON 1985	ELKO	ELKO	7100	5.6	9.7
CA-MNO-891	511	WICKSTROM JACKSON JACKSON 1993	ELKO	ELKO	6821	5.2	10.2
CA-MNO-891	1081	WICKSTROM JACKSON JACKSON 1993	ELKO	ELKO	6821	6.1	10.2
CA-MNO-891	1081	WICKSTROM JACKSON JACKSON 1993	ELKO	ELKO	6821	5.6	10.2
CA-MNO-891	990	WICKSTROM JACKSON JACKSON 1993	ELKO	ELKO	6821	-7.0	10.2
CA-MNO-891	511	WICKSTROM JACKSON JACKSON 1993	ELKO	ELKO	6821	5.1	10.2
CA-MNO-3217	227-2-20	BASGALL AND RICHMAN 1998	ELKO	ELKO	6720	3.5	10.4
CA-TUO-3997	98373	YOSEMITE DATABASE	ELKO-CN	ELKO	4840	2.5	11.7
CA-MRP-739	Y85A-225	YOSEMITE DATABASE	ELKO-SN	ELKO	4240	5.4	12.8
CA-INY-5242/H	227-1-266	BASGALL AND RICHMAN 1998	ELKO	ELKO	5469	8.2	13.0
CA-MRP-172	46225	YOSEMITE DATABASE	ELKO	ELKO	4000	6.9	13.3
CA-MRP-172	46226	YOSEMITE DATABASE	ELKO	ELKO	4000	6.5	13.3
CA-MRP-645	35714	YOSEMITE DATABASE	ELKO	ELKO	4000	5.5	13.3
CA-MRP-308	40040	YOSEMITE DATABASE	ELKO-SN	ELKO	3980	3.3	13.3
CA-MRP-314	40097	YOSEMITE DATABASE	ELKO-CN	ELKO	3900	5.5	13.5
CA-TUO-3265/H	89306A	YOSEMITE DATABASE	ELKO	ELKO	3780	5.6	13.7
CA-INY-1386	9-182	BOUSCAREN 1985	ELKO-E	ELKO	4400	5.1	15.6
CA-INY-1386	9-467	BOUSCAREN 1985	ELKO-E	ELKO	4400	4.5	15.6
CA-INY-1386	9-1151	BOUSCAREN 1985	ELKO-E	ELKO	4400	7.0	15.6
CA-INY-2146		GARFINKEL 1980	ELKO-E	ELKO	4111	5.5	16.4
CA-INY-5275	227-1-262	BASGALL AND RICHMAN 1998	ELKO	ELKO	3871	6.6	17.1
CA-INY-30	7029	BASGALL AND MCGUIRE 1988	ELKO	ELKO	3781	5.4	17.4
CA-INY-30	7059	BASGALL AND MCGUIRE 1988	ELKO	ELKO	3781	4.8	17.4
CA-INY-30	7030	BASGALL AND MCGUIRE 1988	ELKO	ELKO	3781	5.6	17.4
CA-MRP-250	31468	YOSEMITE DATABASE	ELKO-CN	ELKO	1960	9.1	18.1
CA-MRP-181	45497	YOSEMITE DATABASE	ELKO-E	ELKO	1800	5.8	18.5
CA-MRP-17/H	W73-315	RONDEAU AND WULF 1998	ELKO-CN	ELKO	1750	3.8	18.6
CA-FRE-1671	368	MORATTO 1988	ELKO	ELKO	600	8.2	22.2

SITE	ID	REFERENCE	TYPE	SERIES	ELEV	RIM	EHT
CA-FRE-1671	1885	MORATTO 1988	ELKO-E	ELKO	600	7.0	22.2
CA-MAD-1531	1531-1216	MANIERY 1990	ELKO-CN	ELKO	550	3.8	22.3
CA-MAD-1531	1531-1216	MANIERY 1990	ELKO-CN	ELKO	550	3.3	22.3
W125	349-412	JACKSON R 1985	LL	PINTO	8901	4.9	7.1
CA-MNO-1789		BASGALL 1983	LL-SS	PINTO	8901	6.5	7.1
W125	349-411	JACKSON R 1985	LL	PINTO	8901	6.5	7.1
CA-MNO-529		BASGALL 1983	LL-SS	PINTO	7972	6.8	8.4
CA-MNO-561		HALL 1983	LL-SS	PINTO	7848	6.9	8.5
CA-MNO-561		HALL 1983	LL-SS	PINTO	7848	4.0	8.5
CA-MNO-561		HALL 1983	LL-SS	PINTO	7848	3.8	8.5
CA-FRE-805	918	JACKSON AND DIETZ 1984	PINTO	PINTO	6820	6.1	8.7
CA-FRE-805	937	JACKSON AND DIETZ 1984	PINTO	PINTO	6820	3.7	8.7
CA-FRE-805	913	JACKSON AND DIETZ 1984	PINTO	PINTO	6820	3.8	8.7
CA-FRE-805	904	JACKSON AND DIETZ 1984	PINTO	PINTO	6820	2.3	8.7
CA-FRE-805	1071	JACKSON AND DIETZ 1984	PINTO	PINTO	6820	3.5	8.7
CA-FRE-805	851	JACKSON AND DIETZ 1984	PINTO	PINTO	6820	2.4	8.7
CA-FRE-805	944	JACKSON AND DIETZ 1984	PINTO	PINTO	6820	4.0	8.7
CA-FRE-805	963	JACKSON AND DIETZ 1984	PINTO	PINTO	6820	2.4	8.7
CA-FRE-805	1011	JACKSON AND DIETZ 1984	PINTO	PINTO	6820	4.2	8.7
CA-FRE-805	1036	JACKSON AND DIETZ 1984	PINTO	PINTO	6820	4.3	8.7
CA-FRE-805	1102	JACKSON AND DIETZ 1984	PINTO	PINTO	6820	3.5	8.7
CA-FRE-805	1145	JACKSON AND DIETZ 1984	PINTO	PINTO	6820	3.2	8.7
CA-FRE-805	1152	JACKSON AND DIETZ 1984	PINTO	PINTO	6820	4.7	8.7
CA-FRE-805	1216	JACKSON AND DIETZ 1984	PINTO	PINTO	6820	2.0	8.7
CA-FRE-805	1367	JACKSON AND DIETZ 1984	PINTO	PINTO	6820	4.1	8.7
CA-FRE-805	1321	JACKSON AND DIETZ 1984	PINTO	PINTO	6820	4.9	8.7
IA25	349-2005	JACKSON R 1985	LL	PINTO	7218	6.0	9.5
CA-MNO-446	L-752	BETTINGER 1981	PINTO	PINTO	7139	6.0	9.7
CA-MNO-458		BURTON 1985	LL-SS	PINTO	7100	-7.8	9.7
F164	349-698	JACKSON R 1985	LL	PINTO	7021	4.8	9.9
CA-MRP-661	52439	YOSEMITE DATABASE	PINTO-SLSH	PINTO	5640	4.8	10.4
CA-FRE-1360	00430	WICKSTROM ET AL 1991	PINTO	PINTO	5600	4.8	10.4
CA-MRP-008	46320-1	YOSEMITE DATABASE	PINTO	PINTO	3980	2.3	13.3
CA-MRP-168	46206	YOSEMITE DATABASE	PINTO	PINTO	3900	5.3	13.5
CA-MRP-181	41020	YOSEMITE DATABASE	PINTO-SLSH	PINTO	1800	3.9	18.5
CA-MRP-181	45462	YOSEMITE DATABASE	PINTO-SLSH	PINTO	1800	8.0	18.5
CA-MNO-679	297-8	BASGALL 1988	GBCB	EARLY	7172	8.1	9.6
A55	349-258	JACKSON R 1985	GBS-SL	EARLY	7201	8.5	9.6
CA-MNO-3225	227-2-39	BASGALL AND RICHMAN 1998	GREAT BASI	EARLY	7178	6.6	9.6
CA-MNO-679	297-990	BASGALL 1988	GBCB	EARLY	7172	12.2	9.6
CA-MNO-679	297-1001	BASGALL 1988	GBCB	EARLY	7172	10.8	9.6
CA-MNO-679	297-1014	BASGALL 1988	GBCB	EARLY	7172	9.1	9.6
CA-MNO-679	297-1016	BASGALL 1988	GBCB	EARLY	7172	10.4	9.6
CA-MNO-679	297-2	BASGALL 1988	GBCB	EARLY	7172	7.6	9.6
CA-MNO-679	297-2	BASGALL 1988	GBCB	EARLY	7172	8.2	9.6
CA-MNO-679	297-3	BASGALL 1988	GBCB	EARLY	7172	8.1	9.6
CA-MNO-679	297-5	BASGALL 1988	GBCB	EARLY	7172	9.1	9.6
A55	349-256	JACKSON R 1985	GBS-SL	EARLY	7201	9.0	9.6
CA-MNO-679	297-7	BASGALL 1988	GBCB	EARLY	7172	8.5	9.6
IA15	349-823	JACKSON R 1985	GBS-SL	EARLY	6982	7.8	9.9
CA-MNO-679	297-8	BASGALL 1988	GBCB	EARLY	7172	8.5	9.6
CA-MNO-679	297-16	BASGALL 1988	GBCB	EARLY	7172	8.5	9.6
CA-MNO-679	297-21	BASGALL 1988	GBCB	EARLY	7172	10.1	9.6
CA-MNO-679	297-23	BASGALL 1988	GBCB	EARLY	7172	10.7	9.6
CA-MNO-679	297-25	BASGALL 1988	GBCB	EARLY	7172	7.5	9.6
CA-MNO-679	297-307	BASGALL 1988	GBCB	EARLY	7172	10.0	9.6
CA-MNO-679	297-330	BASGALL 1988	GBCB	EARLY	7172	9.2	9.6
CA-MNO-679	297-597	BASGALL 1988	GBCB	EARLY	7172	9.3	9.6
CA-MNO-679	297-707	BASGALL 1988	GBCB	EARLY	7172	9.3	9.6
CA-MNO-679	297-924	BASGALL 1988	GBCB	EARLY	7172	11.7	9.6
CA-MNO-679	297-969	BASGALL 1988	GBCB	EARLY	7172	11.6	9.6
CA-MNO-679	297-6	BASGALL 1988	GBCB	EARLY	7172	9.2	9.6

Fish Springs Projectile Points

SITE	ID	REFERENCE	TYPE	SERIES	ELEV	RIM	EHT
CA-FRE-3169	18776	TABOOSE	CT	DESERT	10900	1.3	4.7
CA-FRE-3169	18775	TABOOSE	CT	DESERT	10900	1.3	4.7
CA-FRE-3105	18573	TABOOSE	CT	DESERT	10900	1.2	4.7
CA-FRE-3105	18541	TABOOSE	CT	DESERT	10900	1.0	4.7
CA-FRE-3105	18518	TABOOSE	DSN	DESERT	10900	1.1	4.7
CA-FRE-3105	18576	TABOOSE	DSN	DESERT	10900	0.8	4.7
87A-31	5323	ROPER WICKSTROM 1992	DSN	DESERT	10640	1.8	4.9
CA-TUL-1258	5221	ROPER WICKSTROM 1992	CT	DESERT	7760	1.0	7.5
CA-TUL-1258	5201	ROPER WICKSTROM 1992	DSN	DESERT	7760	1.8	7.5
CA-TUL-1258	5206	ROPER WICKSTROM 1992	DSN	DESERT	7760	1.1	7.5
CA-TUL-1258	5210	ROPER WICKSTROM 1992	DSN	DESERT	7760	1.1	7.5
CA-TUL-1258	5213	ROPER WICKSTROM 1992	DSN	DESERT	7760	1.7	7.5
CA-TUL-1258	5215	ROPER WICKSTROM 1992	DSN	DESERT	7760	1.2	7.5
CA-TUL-1258	5216	ROPER WICKSTROM 1992	DSN	DESERT	7760	1.2	7.5
PIN. HOUSE	O-1291	BETTINGER 1989A	DSN	DESERT	7199	1.6	9.6
PIN. HOUSE	O-1651	BETTINGER 1989A	DSN	DESERT	7199	1.7	9.6
PIN. HOUSE	O-1315	BETTINGER 1989A	DSN	DESERT	7199	1.9	9.6
CA-TUL-488	336	GARFINKEL ET AL 1979	DSN	DESERT	5680	2.1	10.3
CRATER MID.	O-484A	BETTINGER 1989A	DSN	DESERT	6000	2.2	11.8
CRATER MID.	O-749	BETTINGER 1989A	CT	DESERT	6000	1.1	11.8
CRATER MID.	O-410	BETTINGER 1989A	CT	DESERT	6000	1.9	11.8
CRATER MID.	O-764	BETTINGER 1989A	CT	DESERT	6000	2.2	11.8
CRATER MID.	O-803	BETTINGER 1989A	CT	DESERT	6000	2.8	11.8
CRATER MID.	O-670/2	BETTINGER 1989A	CT	DESERT	6000	3.3	11.8
TWO EAGLES	O-803	BETTINGER 1989A	DSN	DESERT	4999	1.8	14.1
TWO EAGLES	O-930	BETTINGER 1989A	DSN	DESERT	4999	2.7	14.1
TWO EAGLES	O-1745	BETTINGER 1989A	CT	DESERT	4999	2.6	14.1
TWO EAGLES	O-1004	BETTINGER 1989A	CT	DESERT	4999	3.3	14.1
CA-TUL-24	1353-24-1254	HALE AND HULL 1997	DSN	DESERT	2800	2.9	15.9
CA-TUL-24	1353-24-2330	HALE AND HULL 1997	DSN	DESERT	2800	1.2	15.9
CA-TUL-24	1353-24-560	HALE AND HULL 1997	DSN	DESERT	2800	1.6	15.9
CA-TUL-24	1515-24-795	HALE AND HULL 1997	DSN	DESERT	2800	1.6	15.9
CA-TUL-24	1353-24-852	HALE AND HULL 1997	DSN	DESERT	2800	1.3	15.9
CA-TUL-24	1353-24-2431	HALE AND HULL 1997	DSN	DESERT	2800	1.8	15.9
CA-TUL-24	1353-24-2867	HALE AND HULL 1997	DSN	DESERT	2800	2.0	15.9
CA-TUL-24	7455	HALE AND HULL 1997	DSN	DESERT	2800	2.1	15.9
CA-TUL-24	1517-24-2333	HALE AND HULL 1997	DSN	DESERT	2800	1.3	15.9
CA-TUL-24	1353-24-1400	HALE AND HULL 1997	DSN	DESERT	2800	1.2	15.9
CA-TUL-24	1521-24-2926	HALE AND HULL 1997	DSN	DESERT	2800	1.7	15.9
CA-TUL-24	1353-24-1309	HALE AND HULL 1997	DSN	DESERT	2800	1.7	15.9
CA-INY-215	406-11-1	DELACORTE AND MCGUIRE 1993	CT	DESERT	4000	1.5	16.8
CA-INY-215	406-11-40	DELACORTE AND MCGUIRE 1993	CT	DESERT	4000	3.8	16.8
CA-INY-4550	684	WICKSTROM ET AL 1994	DSN	DESERT	3800	2.6	17.3
CA-INY-30	5037	BASGALL AND MCGUIRE 1988	CT	DESERT	3781	2.2	17.4
CA-INY-30	7022	BASGALL AND MCGUIRE 1988	CT	DESERT	3781	1.5	17.4
CA-INY-30	7023	BASGALL AND MCGUIRE 1988	CT	DESERT	3781	2.5	17.4
CA-INY-30	7009	BASGALL AND MCGUIRE 1988	DSN	DESERT	3781	1.9	17.4
CA-FRE-2175	5387	ROPER WICKSTROM 1992	RS	ROSEGATE	11520	1.5	4.3
CA-FRE-2174	5386	ROPER WICKSTROM 1992	RS	ROSEGATE	11460	1.4	4.3
CA-FRE-2170	5374	ROPER WICKSTROM 1992	RS	ROSEGATE	11440	1.5	4.3
CA-TUL-1262	5305	ROPER WICKSTROM 1992	RS	ROSEGATE	11240	2.1	4.5
CA-FRE-3164	18707	TABOOSE	RS	ROSEGATE	10900	1.4	4.7
CA-FRE-3105	18575	TABOOSE	RS	ROSEGATE	10900	1.5	4.7
CA-FRE-3105	18574	TABOOSE	RS	ROSEGATE	10900	1.3	4.7
CA-FRE-3105	18578	TABOOSE	RS	ROSEGATE	10900	1.6	4.7
CA-FRE-3107	18606	TABOOSE	RS	ROSEGATE	10900	1.1	4.7
CA-FRE-3164	18710	TABOOSE	RS	ROSEGATE	10900	1.1	4.7
CA-FRE-3169	18762	TABOOSE	RS	ROSEGATE	10900	1.7	4.7

SITE	ID	REFERENCE	TYPE	SERIES	ELEV	RIM	EHT
87A-31	5325	ROPER WICKSTROM 1992	RS	ROSEGATE	10640	2.3	4.9
ISO87Z-2	5396	ROPER WICKSTROM 1992	RS	ROSEGATE	10000	2.0	5.4
CA-TUL-1258	5217	ROPER WICKSTROM 1992	RS	ROSEGATE	7760	2.2	7.5
CA-FRE-137	137-1360	CAPUTO 1994	RS	ROSEGATE	6700	2.6	8.8
PIN. HOUSE	O-1292	BETTINGER 1989A	RS	ROSEGATE	7199	2.2	9.6
PIN. HOUSE	O-1613	BETTINGER 1989A	RS	ROSEGATE	7199	2.5	9.6
PIN. HOUSE	O-1457	BETTINGER 1989A	RS	ROSEGATE	7199	2.6	9.6
CA-FRE-814	44	HOLSON 1996	RS	ROSEGATE	6520	1.9	10.8
CRATER MID.	O-808	BETTINGER 1989A	RS	ROSEGATE	6000	2.7	11.8
TWO EAGLES	O-832	BETTINGER 1989A	RS	ROSEGATE	4999	3.3	14.1
TWO EAGLES	O-835	BETTINGER 1989A	RS	ROSEGATE	4999	3.7	14.1
CA-INY-2596	A5	BURTON 1986	EG	ROSEGATE	4800	3.0	14.6
CA-INY-158	227-1-56	BASGALL AND RICHMAN 1998	EG	ROSEGATE	4000	3.9	16.8
CA-INY-5268	227-1-245	BASGALL AND RICHMAN 1998	RS	ROSEGATE	4000	3.0	16.8
CA-INY-3784/H	227-1-227	BASGALL AND RICHMAN 1998	RS	ROSEGATE	4000	2.4	16.8
CA-INY-124	406-9-1	DELACORTE AND MCGUIRE 1993	RS	ROSEGATE	4000	2.6	16.8
CA-INY-3799	406-12-22	DELACORTE AND MCGUIRE 1993	RS	ROSEGATE	4000	3.5	16.8
CA-INY-5273/H	227-1-251	BASGALL AND RICHMAN 1998	RS	ROSEGATE	3870	3.2	17.1
CA-INY-384	1063	WICKSTROM ET AL 1994	EG	ROSEGATE	3840	3.6	17.2
CA-INY-3790	170	WICKSTROM ET AL 1994	RS	ROSEGATE	3840	3.6	17.2
CA-INY-30	7024	BASGALL AND MCGUIRE 1988	RS	ROSEGATE	3781	3.4	17.4
CA-TUL-1265	5316	ROPER WICKSTROM 1992	ELKO CN	ELKO	11400	5.1	4.3
CA-FRE-1044	211	WICKSTROM ET AL 1991	ELKO	ELKO	5600	2.5	10.4
CA-INY-215	406-11-46	DELACORTE AND MCGUIRE 1993	ELKO	ELKO	3900	3.2	17.0
CA-INY-215	406-11-63	DELACORTE AND MCGUIRE 1993	ELKO	ELKO	3900	6.1	17.0
CA-INY-215	406-11-119	DELACORTE AND MCGUIRE 1993	ELKO	ELKO	3900	4.0	17.0
CA-INY-215	406-11-120	DELACORTE AND MCGUIRE 1993	ELKO	ELKO	3900	3.7	17.0
CA-INY-215	406-11-136	DELACORTE AND MCGUIRE 1993	ELKO	ELKO	3900	5.5	17.0
CA-INY-3787	406-5-10	DELACORTE AND MCGUIRE 1993	ELKO	ELKO	3900	5.7	17.0
CA-INY-3787	406-5-16	DELACORTE AND MCGUIRE 1993	ELKO	ELKO	3900	7.1	17.0
CA-INY-3787	406-5-79	DELACORTE AND MCGUIRE 1993	ELKO	ELKO	3900	6.9	17.0
TINEMAHA SHEL	X-49	BETTINGER 1989B	ELKO	ELKO	3900	4.0	17.0
TINEMAHA SHEL	X-50	BETTINGER 1989B	ELKO	ELKO	3900	7.7	17.0
B47	X-5	BETTINGER 1989B	ELKO	ELKO	3900	5.4	17.0
CA-INY-4550	741	WICKSTROM ET AL 1994	ELKO	ELKO	3900	5.9	17.0
CA-INY-4550	614	WICKSTROM ET AL 1994	ELKO	ELKO	3900	4.2	17.0
CA-INY-4550	615	WICKSTROM ET AL 1994	ELKO	ELKO	3900	3.9	17.0
CA-INY-2146	353-37	BETTINGER DELACORTE MCGUIRE 1984	ELKO	ELKO	3900	3.7	17.0
CA-INY-5273/H	227-1-252	BASGALL AND RICHMAN 1998	ELKO	ELKO	3870	6.7	17.1
CA-INY-5273/H	227-1-253	BASGALL AND RICHMAN 1998	ELKO	ELKO	3870	9.5	17.1
CA-INY-30	7061	BASGALL AND MCGUIRE 1988	LL	PINTO	3781	3.0	17.4
CA-INY-30	5076	BASGALL AND MCGUIRE 1988	LL	PINTO	3781	14.6	17.4
CA-INY-1425/H	227-2-56	BASGALL AND RICHMAN 1998	PINTO	PINTO	3900	9.2	17.0

Coso Volcanic Field Projectile Points

SITE	ID	REFERENCE	TYPE	SERIES	ELEV	RIM	EHT
CA-TUL-304	5275	ROPER WICKSTROM 1992	DSN	DESERT	8499	1.5	6.7
CA-KER-743	075	GARFINKEL ET AL 1979	CT	DESERT	6676	1.6	8.9
CA-TUL-621	41-680	MCGUIRE AND GARFINKEL 1980	DSN	DESERT	6560	2.0	9.0
CA-TUL-621	41-097	MCGUIRE AND GARFINKEL 1980	CT	DESERT	6560	2.4	9.0
CA-TUL-621	41-102	MCGUIRE AND GARFINKEL 1980	DSN	DESERT	6560	1.4	9.0
CA-TUL-621	41-103	MCGUIRE AND GARFINKEL 1980	DSN	DESERT	6560		9.0
CA-TUL-621	41-549	MCGUIRE AND GARFINKEL 1980	CT	DESERT	6560	1.6	9.0
CA-TUL-621	41-681	MCGUIRE AND GARFINKEL 1980	DSN	DESERT	6560	1.2	9.0
CA-TUL-621	41-682	MCGUIRE AND GARFINKEL 1980	DSN	DESERT	6560	1.7	9.0
CA-TUL-629	39-008	MCGUIRE AND GARFINKEL 1980	CT	DESERT	6560	1.8	9.0
CA-TUL-621	41-550	MCGUIRE AND GARFINKEL 1980	CT	DESERT	6560	1.7	9.0
CA-KER-748	014	GARFINKEL ET AL 1979	DSN	DESERT	6200	1.9	9.5
CA-KER-748	010	GARFINKEL ET AL 1979	CT	DESERT	6200	1.7	9.5
CA-TUL-472	100-5	FOSTER AND KAUFMAN 1991	DSN	DESERT	6000	2.6	9.8
CA-TUL-472	100-53	FOSTER AND KAUFMAN 1991	DSN	DESERT	6000	2.4	9.8
CA-TUL-472	100-36	FOSTER AND KAUFMAN 1991	DSN	DESERT	6000	1.3	9.8
PCT-15	069	GARFINKEL ET AL 1979	CT	DESERT	5807	1.9	10.1
PCT-15	082	GARFINKEL ET AL 1979	CT	DESERT	5807	1.4	10.1
PCT-15	083	GARFINKEL ET AL 1979	CT	DESERT	5807	1.8	10.1
CA-TUL-481	085	GARFINKEL ET AL 1979	DSN	DESERT	5807	2.8	10.1
CA-TUL-481	086	GARFINKEL ET AL 1979	DSN	DESERT	5807	2.3	10.1
CA-TUL-481	106	GARFINKEL ET AL 1979	CT	DESERT	5807	0.5	10.1
05-13-56-36	365	MCGUIRE 1981	DSN	DESERT	5800	1.2	10.1
RB-18	1801	MCGUIRE 1981	CT	DESERT	5800	2.3	10.1
RB-3	323	MCGUIRE 1981	CT	DESERT	5800	1.8	10.1
RB-3	324	MCGUIRE 1981	CT	DESERT	5800	1.7	10.1
RB-3	340	MCGUIRE 1981	CT	DESERT	5800	2.2	10.1
RB-3	356	MCGUIRE 1981	CT	DESERT	5800	2.1	10.1
RB-3	374	MCGUIRE 1981	CT	DESERT	5800	1.7	10.1
RB-3	304	MCGUIRE 1981	CT	DESERT	5800	1.5	10.1
RB-3	305	MCGUIRE 1981	CT	DESERT	5800	1.4	10.1
RB-3	316	MCGUIRE 1981	DSN	DESERT	5800	2.1	10.1
CA-TUL-488	736	GARFINKEL ET AL 1979	CT	DESERT	5680	2.1	10.3
CA-TUL-488	119	GARFINKEL ET AL 1979	DSN	DESERT	5680	2.0	10.3
CA-TUL-488	261	GARFINKEL ET AL 1979	DSN	DESERT	5680	-4.4	10.3
CA-TUL-488	289	GARFINKEL ET AL 1979	DSN	DESERT	5680	-5.3	10.3
CA-TUL-488	390	GARFINKEL ET AL 1979	DSN	DESERT	5680	2.0	10.3
CA-TUL-488	647	GARFINKEL ET AL 1979	DSN	DESERT	5680	1.2	10.3
CA-TUL-488	649	GARFINKEL ET AL 1979	DSN	DESERT	5680	2.3	10.3
CA-TUL-488	624	GARFINKEL ET AL 1979	CT	DESERT	5680	1.0	10.3
CA-TUL-488	281	GARFINKEL ET AL 1979	CT	DESERT	5680	2.0	10.3
CA-TUL-488	648	GARFINKEL ET AL 1979	CT	DESERT	5680	2.0	10.3
CA-TUL-488	002	GARFINKEL ET AL 1979	CT	DESERT	5680	1.1	10.3
CA-TUL-488	120	GARFINKEL ET AL 1979	CT	DESERT	5680	2.7	10.3
CA-TUL-24	1353-24-1491	HALE AND HULL 1997	CT	DESERT	2800	2.4	15.9
CA-TUL-24	1353-24-2447	HALE AND HULL 1997	DSN	DESERT	2800	1.9	15.9
CA-TUL-24	7318	HALE AND HULL 1997	CT	DESERT	2800	2.4	15.9
CA-TUL-24	1353-24-2605	HALE AND HULL 1997	CT	DESERT	2800	2.0	15.9
CA-TUL-24	1353-24-2823	HALE AND HULL 1997	DSN	DESERT	2800	2.6	15.9
CA-TUL-24	8100	HALE AND HULL 1997	CT	DESERT	2800	2.6	15.9
CA-TUL-24	1353-24-797	HALE AND HULL 1997	DSN	DESERT	2800	1.1	15.9

SITE	ID	REFERENCE	TYPE	SERIES	ELEV	RIM	EHT
CA-TUL-24	1523-24-847	HALE AND HULL 1997	DSN	DESERT	2800	2.6	15.9
CA-TUL-24	1348-24-908	HALE AND HULL 1997	CT	DESERT	2800	1.8	15.9
CA-TUL-24	1353-24-1184	HALE AND HULL 1997	CT	DESERT	2800	2.0	15.9
CA-TUL-24	1353-24-1434	HALE AND HULL 1997	DSN	DESERT	2800	2.8	15.9
CA-TUL-24	1348-24-1551	HALE AND HULL 1997	CT	DESERT	2800	1.7	15.9
CA-TUL-24	1513-24-1260	HALE AND HULL 1997	DSN	DESERT	2800	1.3	15.9
CA-TUL-24	1353-24-1389	HALE AND HULL 1997	DSN	DESERT	2800	1.8	15.9
CA-TUL-24	1353-24-1326	HALE AND HULL 1997	CT	DESERT	2800	1.5	15.9
CA-INY-1906	987-105.0249	GILREATH AND HILDEBRANDT 1995	CTW	DESERT	4000	1.5	16.8
CA-INY-1906	987-105.0262	GILREATH AND HILDEBRANDT 1995	CTW	DESERT	4000	1.3	16.8
CA-INY-3782/H	41	GILREATH AND NELSON 1999	CTW-LEAF	DESERT	3806	3.2	17.3
CA-INY-3782/H	581	GILREATH AND NELSON 1999	CTW	DESERT	3806	-5.7	17.3
CA-INY-4663	45	GILREATH AND NELSON 1999	CTW	DESERT	3806	1.6	17.3
CA-INY-30	7019	BASGALL AND MCGUIRE 1988	CT	DESERT	3781	2.7	17.4
CA-INY-30	7003	BASGALL AND MCGUIRE 1988	DSN	DESERT	3781	4.6	17.4
CA-INY-30	7004	BASGALL AND MCGUIRE 1988	DSN	DESERT	3781	4.2	17.4
CA-INY-30	7005	BASGALL AND MCGUIRE 1988	DSN	DESERT	3781	3.2	17.4
CA-INY-30	7006	BASGALL AND MCGUIRE 1988	DSN	DESERT	3781	3.1	17.4
CA-INY-30	7007	BASGALL AND MCGUIRE 1988	DSN	DESERT	3781	3.0	17.4
CA-INY-30	7008	BASGALL AND MCGUIRE 1988	DSN	DESERT	3781	2.2	17.4
CA-INY-30	7010	BASGALL AND MCGUIRE 1988	CT	DESERT	3781	2.3	17.4
CA-INY-30	7011	BASGALL AND MCGUIRE 1988	CT	DESERT	3781	-5.2	17.4
CA-INY-30	7012	BASGALL AND MCGUIRE 1988	CT	DESERT	3781	2.4	17.4
CA-INY-30	7013	BASGALL AND MCGUIRE 1988	CT	DESERT	3781	2.5	17.4
CA-INY-30	7014	BASGALL AND MCGUIRE 1988	CT	DESERT	3781	4.7	17.4
CA-INY-30	7015	BASGALL AND MCGUIRE 1988	CT	DESERT	3781	2.2	17.4
CA-INY-30	7001	BASGALL AND MCGUIRE 1988	DSN	DESERT	3781	2.4	17.4
CA-INY-30	7018	BASGALL AND MCGUIRE 1988	CT	DESERT	3781	2.7	17.4
CA-INY-30	7020	BASGALL AND MCGUIRE 1988	CT	DESERT	3781	2.1	17.4
CA-INY-30	7021	BASGALL AND MCGUIRE 1988	CT	DESERT	3781	4.5	17.4
CA-INY-30	6998	BASGALL AND MCGUIRE 1988	DSN	DESERT	3781	2.5	17.4
CA-INY-30	6999	BASGALL AND MCGUIRE 1988	DSN	DESERT	3781	3.0	17.4
CA-INY-30	7000	BASGALL AND MCGUIRE 1988	DSN	DESERT	3781	3.6	17.4
CA-INY-30	7144	BASGALL AND MCGUIRE 1988	DSN	DESERT	3781	3.8	17.4
CA-INY-30	7017	BASGALL AND MCGUIRE 1988	CT	DESERT	3781	3.4	17.4
CA-INY-30	5049	BASGALL AND MCGUIRE 1988	CT	DESERT	3781	3.0	17.4
CA-INY-30	5038	BASGALL AND MCGUIRE 1988	CT	DESERT	3781	2.4	17.4
CA-INY-30	5039	BASGALL AND MCGUIRE 1988	CT	DESERT	3781	2.6	17.4
CA-INY-30	5040	BASGALL AND MCGUIRE 1988	CT	DESERT	3781	2.6	17.4
CA-INY-30	5041	BASGALL AND MCGUIRE 1988	CT	DESERT	3781	3.1	17.4
CA-INY-30	5042	BASGALL AND MCGUIRE 1988	CT	DESERT	3781	2.1	17.4
CA-INY-30	5043	BASGALL AND MCGUIRE 1988	CT	DESERT	3781	2.2	17.4
CA-INY-30	5044	BASGALL AND MCGUIRE 1988	CT	DESERT	3781	2.8	17.4
CA-INY-30	5045	BASGALL AND MCGUIRE 1988	CT	DESERT	3781	2.4	17.4
CA-INY-30	7002	BASGALL AND MCGUIRE 1988	DSN	DESERT	3781	3.6	17.4
CA-INY-30	5048	BASGALL AND MCGUIRE 1988	CT	DESERT	3781	2.8	17.4
CA-INY-30	5057	BASGALL AND MCGUIRE 1988	CT	DESERT	3781	2.8	17.4
CA-INY-30	5053	BASGALL AND MCGUIRE 1988	DSN	DESERT	3781	1.3	17.4
CA-INY-30	5042	BASGALL AND MCGUIRE 1988	CT	DESERT	3781	2.9	17.4
CA-INY-30	5047	BASGALL AND MCGUIRE 1988	CT	DESERT	3781	2.0	17.4
CA-INY-30	5058	BASGALL AND MCGUIRE 1988	DSN	DESERT	3781	3.4	17.4
CA-INY-30	5056	BASGALL AND MCGUIRE 1988	DSN	DESERT	3781	2.9	17.4
CA-INY-30	5054	BASGALL AND MCGUIRE 1988	DSN	DESERT	3781	4.0	17.4
CA-INY-30	5053	BASGALL AND MCGUIRE 1988	DSN	DESERT	3781	1.9	17.4
CA-INY-30	5052	BASGALL AND MCGUIRE 1988	DSN	DESERT	3781	2.9	17.4
CA-INY-30	5051	BASGALL AND MCGUIRE 1988	DSN	DESERT	3781	2.6	17.4

SITE	ID	REFERENCE	TYPE	SERIES	ELEV	RIM	EHT
CA-INY-30	5050	BASGALL AND MCGUIRE 1988	DSN	DESERT	3781	3.5	17.4
CA-INY-30	5059	BASGALL AND MCGUIRE 1988	DSN	DESERT	3781	2.9	17.4
CA-INY-158	227-1-52	BASGALL AND RICHMAN 1998	DSN	DESERT	3635	2.6	17.9
CA-INY-5298	227-1-48	BASGALL AND RICHMAN 1998	CT	DESERT	3609	2.9	17.9
CA-INY-5298	227-1-50	BASGALL AND RICHMAN 1998	CT	DESERT	3609	2.4	17.9
87A-6	5156	ROPER WICKSTROM 1992	DSN	DESERT	2000	2.5	17.9
CA-TUL-1237	9999	ROPER WICKSTROM 1992	RS	ROSEGATE	10880	1.5	4.7
CA-TUL-629	39-528	MCGUIRE AND GARFINKEL 1980	RSCS	ROSEGATE	6560	3.0	9.0
CA-TUL-629	39-203	MCGUIRE AND GARFINKEL 1980	RSCS	ROSEGATE	6560	2.4	9.0
CA-TUL-621	41-683	MCGUIRE AND GARFINKEL 1980	RSCS	ROSEGATE	6560	2.4	9.0
CA-TUL-621	41-551	MCGUIRE AND GARFINKEL 1980	RSCS	ROSEGATE	6560	1.0	9.0
CA-TUL-621	41-334	MCGUIRE AND GARFINKEL 1980	RSCS	ROSEGATE	6560	2.2	9.0
CA-TUL-472	100-6	FOSTER AND KAUFMAN 1991	RS	ROSEGATE	6000	1.5	9.8
RB-12	12B3	MCGUIRE 1981	RS	ROSEGATE	5800	3.2	10.1
RB-12	12A27	MCGUIRE 1981	RS	ROSEGATE	5800	2.2	10.1
RB-11	1101	MCGUIRE 1981	RS	ROSEGATE	5800	2.5	10.1
RB-1	1A28	MCGUIRE 1981	RS	ROSEGATE	5800	2.4	10.1
RB-1	1A02	MCGUIRE 1981	RS	ROSEGATE	5800	3.3	10.1
RB-12	12B28	MCGUIRE 1981	RS	ROSEGATE	5800	1.7	10.1
CA-TUL-488	436	GARFINKEL ET AL 1979	RSCS	ROSEGATE	5680	3.0	10.3
CA-TUL-488	674	GARFINKEL ET AL 1979	RSSN	ROSEGATE	5680	2.5	10.3
CA-TUL-488	262	GARFINKEL ET AL 1979	RSSN	ROSEGATE	5680	4.0	10.3
CA-TUL-488	223	GARFINKEL ET AL 1979	EG	ROSEGATE	5680	3.9	10.3
CA-TUL-488	037	GARFINKEL ET AL 1979	RSSN	ROSEGATE	5680	3.7	10.3
CA-TUL-488	001	GARFINKEL ET AL 1979	RSCS	ROSEGATE	5680	1.8	10.3
CA-TUL-488	733	GARFINKEL ET AL 1979	RSCS	ROSEGATE	5680	3.0	10.3
CA-TUL-24	1520-24-1891	HALE AND HULL 1997	RSCN	ROSEGATE	2800	3.2	15.9
CA-TUL-24	1353-24-1019	HALE AND HULL 1997	RS	ROSEGATE	2800	2.3	15.9
CA-TUL-24	1353-24-2825	HALE AND HULL 1997	RSCN	ROSEGATE	2800	4.1	15.9
CA-TUL-24	1527-24-2538	HALE AND HULL 1997	RS	ROSEGATE	2800	3.1	15.9
CA-TUL-24	1353-24-2537	HALE AND HULL 1997	RS	ROSEGATE	2800	3.0	15.9
CA-TUL-24	1353-24-166	HALE AND HULL 1997	RS	ROSEGATE	2800	3.8	15.9
CA-TUL-24	1353-24-168	HALE AND HULL 1997	RS	ROSEGATE	2800	3.7	15.9
CA-INY-1816	986-1.0001	GILREATH AND HILDEBRANDT 1995	RS	ROSEGATE	4000	5.6	16.8
CA-INY-1928	987-157.0011	GILREATH AND HILDEBRANDT 1995	RS	ROSEGATE	4000	4.2	16.8
CA-INY-1928	987-157.0010	GILREATH AND HILDEBRANDT 1995	RS	ROSEGATE	4000	4.5	16.8
CA-INY-1816	987-31.0170	GILREATH AND HILDEBRANDT 1995	RS	ROSEGATE	4000	6.2	16.8
CA-INY-3782/H	1037	GILREATH AND NELSON 1999	RS	ROSEGATE	3806	6.7	17.3
CA-INY-3782/H	651	GILREATH AND NELSON 1999	RS	ROSEGATE	3806	4.5	17.3
CA-INY-3782/H	573	GILREATH AND NELSON 1999	RS-EG	ROSEGATE	3806	-11.0	17.3
CA-INY-3782/H	428	GILREATH AND NELSON 1999	RS-EG	ROSEGATE	3806	4.4	17.3
CA-INY-30	5071	BASGALL AND MCGUIRE 1988	RS	ROSEGATE	3781	-7.5	17.4
CA-INY-30	7028	BASGALL AND MCGUIRE 1988	RS	ROSEGATE	3781	3.6	17.4
CA-INY-30	7027	BASGALL AND MCGUIRE 1988	RS	ROSEGATE	3781	3.0	17.4
CA-INY-30	7026	BASGALL AND MCGUIRE 1988	RS	ROSEGATE	3781	7.0	17.4
CA-INY-30	7025	BASGALL AND MCGUIRE 1988	RS	ROSEGATE	3781	3.9	17.4
CA-INY-30	5072	BASGALL AND MCGUIRE 1988	RS	ROSEGATE	3781	4.7	17.4
CA-INY-30	5070	BASGALL AND MCGUIRE 1988	RS	ROSEGATE	3781	4.3	17.4
CA-INY-30	5068	BASGALL AND MCGUIRE 1988	RS	ROSEGATE	3781	3.1	17.4
CA-INY-30	5067	BASGALL AND MCGUIRE 1988	RS	ROSEGATE	3781	3.8	17.4
CA-INY-30	5066	BASGALL AND MCGUIRE 1988	RS	ROSEGATE	3781	5.1	17.4
CA-INY-30	5065	BASGALL AND MCGUIRE 1988	RS	ROSEGATE	3781	4.9	17.4
CA-INY-30	5064	BASGALL AND MCGUIRE 1988	RS	ROSEGATE	3781	4.2	17.4
CA-INY-30	5062	BASGALL AND MCGUIRE 1988	RS	ROSEGATE	3781	4.0	17.4

SITE	ID	REFERENCE	TYPE	SERIES	ELEV	RIM	EHT
CA-INY-30	5061	BASGALL AND MCGUIRE 1988	RS	ROSEGATE	3781	2.6	17.4
CA-INY-4934	227-2-78	BASGALL AND RICHMAN 1998	RS	ROSEGATE	2559	3.8	21.6
ISOLATE6	5150	ROPER WICKSTROM 1992	ELKO EARE	ELKO	11000	3.4	4.6
ISOLATE6	5150	ROPER WICKSTROM 1992	ELKO EARE	ELKO	11000	1.8	4.6
RB-6	6A01	MCGUIRE 1981	ELKO CN	ELKO	5800	4.3	10.1
05-13-56-36	364	MCGUIRE 1981	ELKO CN	ELKO	5800	8.0	10.1
RB-11	1109	MCGUIRE 1981	ELKO SN	ELKO	5800	6.4	10.1
RB-20	2002	MCGUIRE 1981	ELKO	ELKO	5800	4.6	10.1
CA-INY-1816	986-1.0047	GILREATH AND HILDEBRANDT 1995	ELKO	ELKO	4000	-11.1	16.8
CA-INY-1824	987-26.0079	GILREATH AND HILDEBRANDT 1995	ELKO-SN	ELKO	4000	9.7	16.8
CA-INY-1824	987-26.0096	GILREATH AND HILDEBRANDT 1995	ELKO	ELKO	4000	7.6	16.8
CA-INY-1824	987-26.0433	GILREATH AND HILDEBRANDT 1995	ELKO	ELKO	4000	6.0	16.8
CA-INY-1824	987-26.0587	GILREATH AND HILDEBRANDT 1995	ELKO	ELKO	4000	6.2	16.8
CA-INY-1907	987-87.0002	GILREATH AND HILDEBRANDT 1995	ELKO	ELKO	4000	6.9	16.8
CA-INY-4547	82	WICKSTROM ET AL 1994	ELKO EARE	ELKO	4000	5.7	16.8
CA-INY-4547	82	WICKSTROM ET AL 1994	ELKO EARE	ELKO	4000	6.2	16.8
CA-INY-5273/H	227-1-254	BASGALL AND RICHMAN 1998	ELKO	ELKO	3870	6.8	17.1
CA-INY-3802/H	212	GILREATH AND NELSON 1999	ELKO-E	ELKO	3839	3.4	17.2
CA-INY-3782/H	304	GILREATH AND NELSON 1999	ELKO-E	ELKO	3806	9.8	17.3
CA-INY-30	5074	BASGALL AND MCGUIRE 1988	ELKO	ELKO	3781	9.2	17.4
CA-INY-30	7033	BASGALL AND MCGUIRE 1988	ELKO	ELKO	3781	6.3	17.4
CA-INY-30	7032	BASGALL AND MCGUIRE 1988	ELKO	ELKO	3781	6.8	17.4
CA-INY-2758	227-2-80	BASGALL AND RICHMAN 1998	ELKO	ELKO	2697	4.7	21.0
CA-TUL-488	603	GARFINKEL ET AL 1979	PINTO	PINTO	5680	10.7	10.3
CA-INY-3004	987-109-124	GILREATH AND HILDEBRANDT 1995	LL	PINTO	4275	9.5	16.0
CA-INY-2103	987-027-41	GILREATH AND HILDEBRANDT 1995	LL	PINTO	4125	6.1	16.4
CA-INY-4339		GILREATH AND HILDEBRANDT 1995	LL	PINTO	4000	9.5	16.8
CA-INY-4339		GILREATH AND HILDEBRANDT 1995	LL	PINTO	4000	13.6	16.8
CA-INY-4339		GILREATH AND HILDEBRANDT 1995	LL	PINTO	4000	10.6	16.8
CA-INY-4339		GILREATH AND HILDEBRANDT 1995	LL	PINTO	4000	15.0	16.8
CA-INY-4339		GILREATH AND HILDEBRANDT 1995	LL	PINTO	4000	14.3	16.8
CA-INY-30	7036	BASGALL AND MCGUIRE 1988	LIT LK	PINTO	3781	14.0	17.4
CA-INY-30	6937	BASGALL AND MCGUIRE 1988	LL	PINTO	3781	8.2	17.4
CA-INY-4554	422-276	GILREATH AND HOLANDA 1997	PINTO	PINTO	3680	8.6	17.7
CA-INY-4267		GILREATH AND HILDEBRANDT 1995	GBS	EARLY	4350	5.5	15.8
CA-INY-4267		GILREATH AND HILDEBRANDT 1995	GBS	EARLY	4350	8.7	15.8
CA-INY-4325		GILREATH AND HILDEBRANDT 1995	GBS	EARLY	4120	9.9	16.4
CA-INY-4339		GILREATH AND HILDEBRANDT 1995	GBS	EARLY	4000	12.5	16.8
CA-INY-4339		GILREATH AND HILDEBRANDT 1995	GBS	EARLY	4000	14.3	16.8
CA-INY-4339		GILREATH AND HILDEBRANDT 1995	GBS	EARLY	4000	15.2	16.8
CA-INY-4339		GILREATH AND HILDEBRANDT 1995	GBS	EARLY	4000	13.6	16.8
CA-INY-1928	987-157.0013	GILREATH AND HILDEBRANDT 1995	GBS	EARLY	4000	19.0	16.8
CA-INY-1923	987-106.0001	GILREATH AND HILDEBRANDT 1995	GBS	EARLY	4000	11.5	16.8
CA-INY-30	7102	BASGALL AND MCGUIRE 1988	LK MOHAV	EARLY	3781	11.8	17.4
CA-INY-30	7037	BASGALL AND MCGUIRE 1988	GBS	EARLY	3781	6.0	17.4
CA-INY-4554		GILREATH AND HOLANDA 1997	GBS-LM	EARLY	3680	13.1	17.7
CA-INY-158	227-1-54	BASGALL AND RICHMAN 1998	SILVER LAK	EARLY	3635	16.3	17.9

Bedrock Mortar Sites: Southern Sierra Nevada

Reference	Site	Id	Desc	Srce	Met	Rim	Elev	EHT	B.P.
CAPUTO 1994	CA-FRE-137	38	DBTG	CD	VIS	3.1	6700	8.8	1560
CAPUTO 1994	CA-FRE-137	47	DBTG	CD	VIS	2.4	6700	8.8	935
CAPUTO 1994	CA-FRE-137	81	DBTG	CD	VIS	3.0	6700	8.8	1461
CAPUTO 1994	CA-FRE-137	80	DBTG	CD	VIS	2.8	6700	8.8	1272
CAPUTO 1994	CA-FRE-137	79	DBTG	CD	VIS	2.5	6700	8.8	1014
CAPUTO 1994	CA-FRE-137	42	DBTG	CD	VIS	3.5	6700	8.8	1988
CAPUTO 1994	CA-FRE-137	32	DBTG	CD	VIS	3.4	6700	8.8	1876
CAPUTO 1994	CA-FRE-137	33	DBTG	CD	VIS	5.2	6700	8.8	4389
CAPUTO 1994	CA-FRE-137	34	DBTG	CD	VIS	4.5	6700	8.8	3287
CAPUTO 1994	CA-FRE-137	35	DBTG	CD	VIS	3.5	6700	8.8	1988
CAPUTO 1994	CA-FRE-137	83	DBTG	CD	VIS	3.5	6700	8.8	1988
CAPUTO 1994	CA-FRE-137	37	DBTG	CD	VIS	4.0	6700	8.8	2597
CAPUTO 1994	CA-FRE-137	84	DBTG	CD	VIS	3.4	6700	8.8	1876
CAPUTO 1994	CA-FRE-137	39	DBTG	CD	VIS	4.1	6700	8.8	2728
CAPUTO 1994	CA-FRE-137	9	DBTG	CD	VIS	4.5	6700	8.8	3287
CAPUTO 1994	CA-FRE-137	41	DBTG	CD	VIS	2.8	6700	8.8	1272
CAPUTO 1994	CA-FRE-137	28	DBTG	CD	VIS	3.8	6700	8.8	2344
CAPUTO 1994	CA-FRE-137	43	DBTG	CD	VIS	4.4	6700	8.8	3142
CAPUTO 1994	CA-FRE-137	44	DBTG	CD	VIS	3.5	6700	8.8	1988
CAPUTO 1994	CA-FRE-137	45	DBTG	CD	VIS	2.3	6700	8.8	859
CAPUTO 1994	CA-FRE-137	78	DBTG	CD	VIS	4.7	6700	8.8	3585
CAPUTO 1994	CA-FRE-137	77	DBTG	CD	VIS	3.0	6700	8.8	1461
CAPUTO 1994	CA-FRE-137	176	DBTG	CD	VIS	4.0	6700	8.8	2597
CAPUTO 1994	CA-FRE-137	36	DBTG	CD	VIS	3.6	6700	8.8	2103
CAPUTO 1994	CA-FRE-137	95	DBTG	CD	VIS	3.3	6700	8.8	1767
CAPUTO 1994	CA-FRE-137	76	DBTG	CD	VIS	4.8	6700	8.8	3739
CAPUTO 1994	CA-FRE-137	60	DBTG	CD	VIS	3.9	6700	8.8	2469
CAPUTO 1994	CA-FRE-137	59	DBTG	CD	VIS	5.6	6700	8.8	5090
CAPUTO 1994	CA-FRE-137	58	DBTG	CD	VIS	4.2	6700	8.8	2863
CAPUTO 1994	CA-FRE-137	57	DBTG	CD	VIS	3.0	6700	8.8	1461
CAPUTO 1994	CA-FRE-137	56	DBTG	CD	VIS	3.5	6700	8.8	1988
CAPUTO 1994	CA-FRE-137	55	DBTG	CD	VIS	3.6	6700	8.8	2103
CAPUTO 1994	CA-FRE-137	54	DBTG	CD	VIS	3.1	6700	8.8	1560
CAPUTO 1994	CA-FRE-137	53	DBTG	CD	VIS	3.3	6700	8.8	1767
CAPUTO 1994	CA-FRE-137	82	DBTG	CD	VIS	3.5	6700	8.8	1988
CAPUTO 1994	CA-FRE-137	85	DBTG	CD	VIS	2.8	6700	8.8	1272
CAPUTO 1994	CA-FRE-137	48	DBTG	CD	VIS	8.2	6700	8.8	10913
CAPUTO 1994	CA-FRE-137	94	DBTG	CD	VIS	3.5	6700	8.8	1988
CAPUTO 1994	CA-FRE-137	93	DBTG	CD	VIS	2.3	6700	8.8	859
CAPUTO 1994	CA-FRE-137	92	DBTG	CD	VIS	5.8	6700	8.8	5460
CAPUTO 1994	CA-FRE-137	91	DBTG	CD	VIS	3.8	6700	8.8	2344
CAPUTO 1994	CA-FRE-137	90	DBTG	CD	VIS	2.8	6700	8.8	1272
CAPUTO 1994	CA-FRE-137	89	DBTG	CD	VIS	2.9	6700	8.8	1365
CAPUTO 1994	CA-FRE-137	88	DBTG	CD	VIS	3.7	6700	8.8	2222
CAPUTO 1994	CA-FRE-137	74	DBTG	CD	VIS	3.3	6700	8.8	1767
CAPUTO 1994	CA-FRE-137	86	DBTG	CD	VIS	3.5	6700	8.8	1988
CAPUTO 1994	CA-FRE-137	138	DBTG	CD	VIS	5.8	6700	8.8	5460
CAPUTO 1994	CA-FRE-137	66	DBTG	CD	VIS	2.6	6700	8.8	1097
CAPUTO 1994	CA-FRE-137	137-1506	PRJPT	CD	VIS	1.9	6700	8.8	586
CAPUTO 1994	CA-FRE-137	46	DBTG	CD	VIS	3.5	6700	8.8	1988
CAPUTO 1994	CA-FRE-137	17	DBTG	CD	VIS	3.7	6700	8.8	2222
CAPUTO 1994	CA-FRE-137	185	DBTG	CD	VIS	3.8	6700	8.8	2344
CAPUTO 1994	CA-FRE-137	31	DBTG	CD	VIS	3.5	6700	8.8	1988
CAPUTO 1994	CA-FRE-137	184	DBTG	CD	VIS	4.0	6700	8.8	2597
CAPUTO 1994	CA-FRE-137	183	DBTG	CD	VIS	5.2	6700	8.8	4389
CAPUTO 1994	CA-FRE-137	182	DBTG	CD	VIS	4.2	6700	8.8	2863
CAPUTO 1994	CA-FRE-137	181	DBTG	CD	VIS	4.3	6700	8.8	3001
CAPUTO 1994	CA-FRE-137	180	DBTG	CD	VIS	5.3	6700	8.8	4559
CAPUTO 1994	CA-FRE-137	187	DBTG	CD	VIS	4.9	6700	8.8	3897
CAPUTO 1994	CA-FRE-137	136	DBTG	CD	VIS	5.6	6700	8.8	5090
CAPUTO 1994	CA-FRE-137	197	DBTG	CD	VIS	4.4	6700	8.8	3142
CAPUTO 1994	CA-FRE-137	188	DBTG	CD	VIS	4.1	6700	8.8	2728
CAPUTO 1994	CA-FRE-137	215	DBTG	CD	VIS	3.9	6700	8.8	2469
CAPUTO 1994	CA-FRE-137	214	DBTG	CD	VIS	3.5	6700	8.8	1988
CAPUTO 1994	CA-FRE-137	213	DBTG	CD	VIS	3.8	6700	8.8	2344
CAPUTO 1994	CA-FRE-137	212	DBTG	CD	VIS	5.2	6700	8.8	4389
CAPUTO 1994	CA-FRE-137	211	DBTG	CD	VIS	3.3	6700	8.8	1767
CAPUTO 1994	CA-FRE-137	210	DBTG	CD	VIS	4.9	6700	8.8	3897
CAPUTO 1994	CA-FRE-137	209	DBTG	CD	VIS	4.6	6700	8.8	3434
CAPUTO 1994	CA-FRE-137	196	DBTG	CD	VIS	5.1	6700	8.8	4221
CAPUTO 1994	CA-FRE-137	207	DBTG	CD	VIS	4.8	6700	8.8	3739
CAPUTO 1994	CA-FRE-137	179	DBTG	CD	VIS	2.5	6700	8.8	1014
CAPUTO 1994	CA-FRE-137	16	DBTG	CD	VIS	3.5	6700	8.8	1988

Reference	Site	Id	Desc	Srce	Met	Rim	Elev	EHT	B.P.
CAPUTO 1994	CA-FRE-137	49	DBTG	CD	VIS	4.1	6700	8.8	2728
CAPUTO 1994	CA-FRE-137	217	DBTG	CD	VIS	4.3	6700	8.8	3001
CAPUTO 1994	CA-FRE-137	40	DBTG	CD	VIS	2.3	6700	8.8	859
CAPUTO 1994	CA-FRE-137	20	DBTG	CD	VIS	3.7	6700	8.8	2222
CAPUTO 1994	CA-FRE-137	12	DBTG	CD	VIS	3.6	6700	8.8	2103
CAPUTO 1994	CA-FRE-137	13	DBTG	CD	VIS	3.5	6700	8.8	1988
CAPUTO 1994	CA-FRE-137	14	DBTG	CD	VIS	3.1	6700	8.8	1560
CAPUTO 1994	CA-FRE-137	15	DBTG	CD	VIS	4.8	6700	8.8	3739
CAPUTO 1994	CA-FRE-137	15	DBTG	CD	VIS	3.9	6700	8.8	2469
CAPUTO 1994	CA-FRE-137	198	DBTG	CD	VIS	4.3	6700	8.8	3001
CAPUTO 1994	CA-FRE-137	87	DBTG	CD	VIS	3.3	6700	8.8	1767
CAPUTO 1994	CA-FRE-137	75	DBTG	CD	VIS	3.2	6700	8.8	1662
CAPUTO 1994	CA-FRE-137	186	DBTG	CD	VIS	3.6	6700	8.8	2103
CAPUTO 1994	CA-FRE-137	177	DBTG	CD	VIS	3.1	6700	8.8	1560
CAPUTO 1994	CA-FRE-137	137-1360	PRJPT	FS	XRF	2.6	6700	8.8	1220
CAPUTO 1994	CA-FRE-137	195	DBTG	CD	VIS	4.5	6700	8.8	3287
CAPUTO 1994	CA-FRE-137	194	DBTG	CD	VIS	5.2	6700	8.8	4389
CAPUTO 1994	CA-FRE-137	193	DBTG	CD	VIS	4.8	6700	8.8	3739
CAPUTO 1994	CA-FRE-137	192	DBTG	CD	VIS	5.3	6700	8.8	4559
CAPUTO 1994	CA-FRE-137	191	DBTG	CD	VIS	4.1	6700	8.8	2728
CAPUTO 1994	CA-FRE-137	190	DBTG	CD	VIS	3.9	6700	8.8	2469
CAPUTO 1994	CA-FRE-137	189	DBTG	CD	VIS	4.8	6700	8.8	3739
CAPUTO 1994	CA-FRE-137	16	DBTG	CD	VIS	4.4	6700	8.8	3142
CAPUTO 1994	CA-FRE-137	111	DBTG	CD	VIS	2.9	6700	8.8	1365
CAPUTO 1994	CA-FRE-137	216	DBTG	CD	VIS	3.6	6700	8.8	2103
CAPUTO 1994	CA-FRE-137	101	DBTG	CD	VIS	2.7	6700	8.8	1183
CAPUTO 1994	CA-FRE-137	102	DBTG	CD	VIS	2.7	6700	8.8	1183
CAPUTO 1994	CA-FRE-137	103	DBTG	CD	VIS	3.9	6700	8.8	2469
CAPUTO 1994	CA-FRE-137	104	DBTG	CD	VIS	3.8	6700	8.8	2344
CAPUTO 1994	CA-FRE-137	105	DBTG	CD	VIS	3.4	6700	8.8	1876
CAPUTO 1994	CA-FRE-137	117	DBTG	CD	VIS	2.7	6700	8.8	1183
CAPUTO 1994	CA-FRE-137	107	DBTG	CD	VIS	2.5	6700	8.8	1014
CAPUTO 1994	CA-FRE-137	116	DBTG	CD	VIS	4.0	6700	8.8	2597
CAPUTO 1994	CA-FRE-137	99	DBTG	CD	VIS	3.0	6700	8.8	1461
CAPUTO 1994	CA-FRE-137	110	DBTG	CD	VIS	3.3	6700	8.8	1767
CAPUTO 1994	CA-FRE-137	137	DBTG	CD	VIS	3.1	6700	8.8	1560
CAPUTO 1994	CA-FRE-137	112	DBTG	CD	VIS	3.3	6700	8.8	1767
CAPUTO 1994	CA-FRE-137	113	DBTG	CD	VIS	2.4	6700	8.8	935
CAPUTO 1994	CA-FRE-137	113	DBTG	CD	VIS	3.2	6700	8.8	1662
CAPUTO 1994	CA-FRE-137	114	DBTG	CD	VIS	2.3	6700	8.8	859
CAPUTO 1994	CA-FRE-137	97	DBTG	CD	VIS	3.9	6700	8.8	2469
CAPUTO 1994	CA-FRE-137	106	DBTG	CD	VIS	2.7	6700	8.8	1183
CAPUTO 1994	CA-FRE-137	218	DBTG	CD	VIS	4.0	6700	8.8	2597
CAPUTO 1994	CA-FRE-137	51	CORE	CD	VIS	3.8	6700	8.8	2344
CAPUTO 1994	CA-FRE-137	137-905	PRJPT	CD	VIS	5.5	6700	8.8	4910
CAPUTO 1994	CA-FRE-137	137-429	PRJPT	CD	XRF	3.4	6700	8.8	1876
CAPUTO 1994	CA-FRE-137	109	DBTG	CD	VIS	3.0	6700	8.8	1461
CAPUTO 1994	CA-FRE-137	6	DBTG	CD	VIS	2.9	6700	8.8	1365
CAPUTO 1994	CA-FRE-137	137-853	PRJPT	CD	VIS	3.2	6700	8.8	1662
CAPUTO 1994	CA-FRE-137	137-635	PRJPT	CD	VIS	2.1	6700	8.8	716
CAPUTO 1994	CA-FRE-137	137-932	PRJPT	CD	VIS	1.7	6700	8.8	469
CAPUTO 1994	CA-FRE-137	137-773	PRJPT	CD	VIS	2.3	6700	8.8	859
CAPUTO 1994	CA-FRE-137	137-1081	PRJPT	CD	VIS	1.1	6700	8.8	196
CAPUTO 1994	CA-FRE-137	137-585	PRJPT	CD	VIS	3.5	6700	8.8	1988
CAPUTO 1994	CA-FRE-137	1	DBTG	CD	VIS	2.4	6700	8.8	935
CAPUTO 1994	CA-FRE-137	137-723	PRJPT	CD	VIS	4.7	6700	8.8	3585
CAPUTO 1994	CA-FRE-137	3	DBTG	CD	VIS	1.9	6700	8.8	586
CAPUTO 1994	CA-FRE-137	100	DBTG	CD	VIS	3.1	6700	8.8	1560
CAPUTO 1994	CA-FRE-137	5	DBTG	CD	VIS	1.3	6700	8.8	274
CAPUTO 1994	CA-FRE-137	137-1630	PRJPT	CD	VIS	3.6	6700	8.8	2103
CAPUTO 1994	CA-FRE-137	7	DBTG	CD	VIS	6.3	6700	8.8	6442
CAPUTO 1994	CA-FRE-137	7	DBTG	CD	VIS	5.1	6700	8.8	4221
CAPUTO 1994	CA-FRE-137	8	DBTG	CD	VIS	3.2	6700	8.8	1662
CAPUTO 1994	CA-FRE-137	137-1540	PRJPT	CD	VIS	1.7	6700	8.8	469
CAPUTO 1994	CA-FRE-137	137-1220	PRJPT	CD	VIS	1.5	6700	8.8	365
CAPUTO 1994	CA-FRE-137	137-1220	PRJPT	CD	VIS	5.1	6700	8.8	4221
CAPUTO 1994	CA-FRE-137	10	DBTG	CD	VIS	4.5	6700	8.8	3287
CAPUTO 1994	CA-FRE-137	2	DBTG	CD	VIS	3.0	6700	8.8	1461
CAPUTO 1994	CA-FRE-137	137-1085	PRJPT	CD	VIS	2.3	6700	8.8	859
CAPUTO 1994	CA-FRE-137	137-1258	PRJPT	CD	VIS	2.2	6700	8.8	786
CAPUTO 1994	CA-FRE-137	4	DBTG	CD	VIS	6.0	6700	8.8	5843
CAPUTO 1994	CA-FRE-137	128	DBTG	CD	VIS	3.6	6700	8.8	2103
CAPUTO 1994	CA-FRE-137	115	DBTG	CD	VIS	2.1	6700	8.8	716
CAPUTO 1994	CA-FRE-137	127	DBTG	CD	VIS	2.9	6700	8.8	1365
CAPUTO 1994	CA-FRE-137	96	DBTG	CD	VIS	3.6	6700	8.8	2103
CAPUTO 1994	CA-FRE-137	125	DBTG	CD	VIS	3.1	6700	8.8	1560
CAPUTO 1994	CA-FRE-137	124	DBTG	CD	VIS	3.1	6700	8.8	1560
CAPUTO 1994	CA-FRE-137	123	DBTG	CD	VIS	2.0	6700	8.8	649

Reference	Site	Id	Desc	Srce	Met	Rim	Elev	EHT	B.P.
CAPUTO 1994	CA-FRE-137	122	DBTG	CD	VIS	3.2	6700	8.8	1662
CAPUTO 1994	CA-FRE-137	121	DBTG	CD	VIS	3.2	6700	8.8	1662
CAPUTO 1994	CA-FRE-137	120	DBTG	CD	VIS	3.3	6700	8.8	1767
CAPUTO 1994	CA-FRE-137	137-1504	PRJPT	CD	VIS	2.8	6700	8.8	1272
CAPUTO 1994	CA-FRE-137	118	DBTG	CD	VIS	2.5	6700	8.8	1014
CAPUTO 1994	CA-FRE-137	131	DBTG	CD	VIS	5.4	6700	8.8	4733
CAPUTO 1994	CA-FRE-137	61	DBTG	CD	VIS	2.7	6700	8.8	1183
CAPUTO 1994	CA-FRE-137	98	DBTG	CD	VIS	4.5	6700	8.8	3287
CAPUTO 1994	CA-FRE-137	73	DBTG	CD	VIS	3.3	6700	8.8	1767
CAPUTO 1994	CA-FRE-137	72	DBTG	CD	VIS	2.4	6700	8.8	935
CAPUTO 1994	CA-FRE-137	71	DBTG	CD	VIS	3.9	6700	8.8	2469
CAPUTO 1994	CA-FRE-137	70	DBTG	CD	VIS	2.9	6700	8.8	1365
CAPUTO 1994	CA-FRE-137	69	DBTG	CD	VIS	2.7	6700	8.8	1183
CAPUTO 1994	CA-FRE-137	68	DBTG	CD	VIS	2.0	6700	8.8	649
CAPUTO 1994	CA-FRE-137	67	DBTG	CD	VIS	4.5	6700	8.8	3287
CAPUTO 1994	CA-FRE-137	206	DBTG	CD	VIS	5.0	6700	8.8	4058
CAPUTO 1994	CA-FRE-137	119	DBTG	CD	VIS	2.7	6700	8.8	1183
CAPUTO 1994	CA-FRE-137	137-476	PRJPT	CD	VIS	3.1	6700	8.8	1560
CAPUTO 1994	CA-FRE-137	62	DBTG	CD	VIS	2.6	6700	8.8	1097
CAPUTO 1994	CA-FRE-137	137-67	PRJPT	CD	VIS	1.6	6700	8.8	415
CAPUTO 1994	CA-FRE-137	137-1062	PRJPT	CD	VIS	5.0	6700	8.8	4058
CAPUTO 1994	CA-FRE-137	137-831	PRJPT	CD	VIS	1.6	6700	8.8	415
CAPUTO 1994	CA-FRE-137	137-807	PRJPT	CD	VIS	2.5	6700	8.8	1014
CAPUTO 1994	CA-FRE-137	108	DBTG	CD	VIS	3.6	6700	8.8	2103
CAPUTO 1994	CA-FRE-137	19	DBTG	CD	VIS	6.3	6700	8.8	6442
CAPUTO 1994	CA-FRE-137	11	DBTG	CD	VIS	2.7	6700	8.8	1183
CAPUTO 1994	CA-FRE-137	137-1436	PRJPT	CD	VIS	2.9	6700	8.8	1365
CAPUTO 1994	CA-FRE-137	137-779	PRJPT	CD	VIS	5.7	6700	8.8	5273
CAPUTO 1994	CA-FRE-137	129	DBTG	CD	VIS	2.8	6700	8.8	1272
CAPUTO 1994	CA-FRE-137	137-1723	PRJPT	CD	VIS	3.9	6700	8.8	2469
CAPUTO 1994	CA-FRE-137	130	DBTG	CD	VIS	2.4	6700	8.8	935
CAPUTO 1994	CA-FRE-137	137-673	PRJPT	CD	VIS	3.6	6700	8.8	2103
CAPUTO 1994	CA-FRE-137	137-1165	PRJPT	CD	VIS	2.9	6700	8.8	1365
CAPUTO 1994	CA-FRE-137	137-1515	PRJPT	CD	VIS	5.6	6700	8.8	5090
CAPUTO 1994	CA-FRE-137	137-610	PRJPT	CD	VIS	3.3	6700	8.8	1767
CAPUTO 1994	CA-FRE-137	126	DBTG	CD	VIS	2.5	6700	8.8	1014
CAPUTO 1994	CA-FRE-137	135	DBTG	CD	VIS	6.6	6700	8.8	7070
CAPUTO 1994	CA-FRE-137	134	DBTG	CD	VIS	5.6	6700	8.8	5090
CAPUTO 1994	CA-FRE-137	133	DBTG	CD	VIS	3.5	6700	8.8	1988
CAPUTO 1994	CA-FRE-137	132	DBTG	CD	VIS	4.7	6700	8.8	3585
CAPUTO 1994	CA-FRE-137	137-617	PRJPT	CD	VIS	3.2	6700	8.8	1662
CAPUTO 1994	CA-FRE-137	137-1806	BIFACE	CD	VIS	1.6	6700	8.8	415
CAPUTO 1994	CA-FRE-137	87-4	PRJPT	CD	VIS	3.7	6700	8.8	2222
CAPUTO 1994	CA-FRE-137	137-1235	PRJPT	CD	XRF	3.6	6700	8.8	2103
CAPUTO 1994	CA-FRE-137	137-670	PRJPT	CD	XRF	3.2	6700	8.8	1662
CAPUTO 1994	CA-FRE-137	137-157	PRJPT	CD	XRF	3.4	6700	8.8	1876
CAPUTO 1994	CA-FRE-137	137-1720	PRJPT	CD	XRF	7.5	6700	8.8	9129
CAPUTO 1994	CA-FRE-137	137-1670	PRJPT	CD	XRF	3.2	6700	8.8	1662
CAPUTO 1994	CA-FRE-137	137-1485	PRJPT	CD	XRF	2.1	6700	8.8	716
CAPUTO 1994	CA-FRE-137	137-1055	PRJPT	CD	XRF	3.7	6700	8.8	2222
CAPUTO 1994	CA-FRE-137	137-1800	PRJPT	CD	XRF	3.1	6700	8.8	1560
CAPUTO 1994	CA-FRE-137	137-1800	PRJPT	CD	XRF	2.5	6700	8.8	1014
CAPUTO 1994	CA-FRE-137	137-494	PRJPT	CD	XRF	2.6	6700	8.8	1097
CAPUTO 1994	CA-FRE-137	137-4030	PRJPT	CD	VIS	2.6	6700	8.8	1097
CAPUTO 1994	CA-FRE-137	137-471	PRJPT	CD	XRF	2.3	6700	8.8	859
CAPUTO 1994	CA-FRE-137	87-6	PRJPT	CD	VIS	1.9	6700	8.8	586
CAPUTO 1994	CA-FRE-137	137-4	PRJPT	CD	XRF	1.9	6700	8.8	586
CAPUTO 1994	CA-FRE-137	137-1259	PRJPT	CD	XRF	2.0	6700	8.8	649
CAPUTO 1994	CA-FRE-137	87-4 (7830)	PRJPT	CD	VIS	3.6	6700	8.8	2103
CAPUTO 1994	CA-FRE-137	137-945	PRJPT	CD	XRF	2.7	6700	8.8	1183
CAPUTO 1994	CA-FRE-137	137-420	PRJPT	CD	XRF	3.6	6700	8.8	2103
CAPUTO 1994	CA-FRE-137	137-4094	PRJPT	CD	XRF	5.2	6700	8.8	4389
CAPUTO 1994	CA-FRE-137	137-414	PRJPT	CD	XRF	2.6	6700	8.8	1097
CAPUTO 1994	CA-FRE-137	137-714	PRJPT	CD	XRF	4.0	6700	8.8	2597
CAPUTO 1994	CA-FRE-137	137-996	PRJPT	CD	XRF	2.6	6700	8.8	1097
CAPUTO 1994	CA-FRE-137	137-4042	PRJPT	CD	VIS	3.4	6700	8.8	1876
CAPUTO 1994	CA-FRE-137	137-162	PRJPT	CD	XRF	2.6	6700	8.8	1097
CAPUTO 1994	CA-FRE-137	137-9	PRJPT	CD	XRF	2.2	6700	8.8	786
CAPUTO 1994	CA-FRE-137	137-4066	PRJPT	CD	XRF	2.4	6700	8.8	935
CAPUTO 1994	CA-FRE-137	137-685	PRJPT	CD	XRF	3.6	6700	8.8	2103
CAPUTO 1994	CA-FRE-137	137-1685	PRJPT	CD	XRF	4.9	6700	8.8	3897
CAPUTO 1994	CA-FRE-137	137-575	PRJPT	CD	XRF	3.0	6700	8.8	1461
CAPUTO 1994	CA-FRE-137	137-718	PRJPT	CD	XRF	4.0	6700	8.8	2597
CAPUTO 1994	CA-FRE-137	137-1812	PRJPT	CD	XRF	2.0	6700	8.8	649
CAPUTO 1994	CA-FRE-137	137-144	PRJPT	CD	XRF	2.2	6700	8.8	786
CAPUTO 1994	CA-FRE-137	137-575	PRJPT	CD	XRF	2.1	6700	8.8	716
CAPUTO 1994	CA-FRE-137	137-607	PRJPT	CD	XRF	2.0	6700	8.8	649
CAPUTO 1994	CA-FRE-137	205	DBTG	CD	VIS	5.2	6700	8.8	4389

Reference	Site	Id	Desc	Srce	Met	Rim	Elev	EHT	B.P.
CAPUTO 1994	CA-FRE-137	137-1072	PRJPT	CD	XRF	3.4	6700	8.8	1876
CAPUTO 1994	CA-FRE-137	137-6	PRJPT	CD	XRF	1.6	6700	8.8	415
CAPUTO 1994	CA-FRE-137	137-1265	PRJPT	CD	XRF	3.3	6700	8.8	1767
CAPUTO 1994	CA-FRE-137	137-925	PRJPT	CD	XRF	3.5	6700	8.8	1988
CAPUTO 1994	CA-FRE-137	137-1281	PRJPT	CD	XRF	3.4	6700	8.8	1876
CAPUTO 1994	CA-FRE-137	137-630	PRJPT	CD	XRF	3.0	6700	8.8	1461
CAPUTO 1994	CA-FRE-137	137-157	PRJPT	CD	XRF	2.7	6700	8.8	1183
CAPUTO 1994	CA-FRE-137	137-837	PRJPT	CD	XRF	5.2	6700	8.8	4389
CAPUTO 1994	CA-FRE-137	137-169	PRJPT	CD	XRF	2.6	6700	8.8	1097
CAPUTO 1994	CA-FRE-137	137-395	PRJPT	CD	XRF	1.0	6700	8.8	162
CAPUTO 1994	CA-FRE-137	137-466	PRJPT	CD	XRF	2.3	6700	8.8	859
CAPUTO 1994	CA-FRE-137	137-141	PRJPT	CD	XRF	5.9	6700	8.8	5650
CAPUTO 1994	CA-FRE-137	137-517	PRJPT	CD	XRF	2.6	6700	8.8	1097
CAPUTO 1994	CA-FRE-137	137-469	PRJPT	CD	XRF	3.1	6700	8.8	1560
CAPUTO 1994	CA-FRE-137	137-612	PRJPT	CD	XRF	3.2	6700	8.8	1662
CAPUTO 1994	CA-FRE-137	137-865	PRJPT	CD	XRF	2.3	6700	8.8	859
CAPUTO 1994	CA-FRE-137	137-1700	PRJPT	CD	XRF	3.5	6700	8.8	1988
CAPUTO 1994	CA-FRE-137	227	DBTG	CD	VIS	5.4	6700	8.8	4733
CAPUTO 1994	CA-FRE-137	137-850	PRJPT	CD	XRF	1.4	6700	8.8	318
CAPUTO 1994	CA-FRE-137	137-170	PRJPT	CD	XRF	2.5	6700	8.8	1014
CAPUTO 1994	CA-FRE-137	137-264	PRJPT	CD	XRF	2.3	6700	8.8	859
CAPUTO 1994	CA-FRE-137	137-425	PRJPT	CD	XRF	2.3	6700	8.8	859
CAPUTO 1994	CA-FRE-137	137-449	PRJPT	CD	XRF	4.4	6700	8.8	3142
CAPUTO 1994	CA-FRE-137	137-496	PRJPT	CD	VIS	3.5	6700	8.8	1988
CAPUTO 1994	CA-FRE-137	137-1	PRJPT	CD	XRF	2.4	6700	8.8	935
CAPUTO 1994	CA-FRE-137	137-573	PRJPT	CD	XRF	3.5	6700	8.8	1988
CAPUTO 1994	CA-FRE-137	137-660	PRJPT	CD	XRF	1.7	6700	8.8	469
CAPUTO 1994	CA-FRE-137	137-163	PRJPT	CD	XRF	3.0	6700	8.8	1461
CAPUTO 1994	CA-FRE-137	137-809	PRJPT	CD	XRF	2.4	6700	8.8	935
CAPUTO 1994	CA-FRE-137	137-139	PRJPT	CD	XRF	2.0	6700	8.8	649
CAPUTO 1994	CA-FRE-137	137-900	PRJPT	CD	VIS	2.6	6700	8.8	1097
CAPUTO 1994	CA-FRE-137	137-901	PRJPT	CD	XRF	1.8	6700	8.8	526
CAPUTO 1994	CA-FRE-137	137-919	PRJPT	CD	XRF	2.8	6700	8.8	1272
CAPUTO 1994	CA-FRE-137	137-928	PRJPT	CD	XRF	3.1	6700	8.8	1560
CAPUTO 1994	CA-FRE-137	137-995	PRJPT	CD	XRF	3.1	6700	8.8	1560
CAPUTO 1994	CA-FRE-137	137-450	PRJPT	CD	XRF	1.6	6700	8.8	415
CAPUTO 1994	CA-FRE-137	137-1720	PRJPT	CD	XRF	2.4	6700	8.8	935
CAPUTO 1994	CA-FRE-137	137-2	PRJPT	CD	XRF	3.1	6700	8.8	1560
CAPUTO 1994	CA-FRE-137	87-4 (7839)	PRJPT	CD	VIS	3.1	6700	8.8	1560
CAPUTO 1994	CA-FRE-137	137-168	PRJPT	CD	XRF	2.7	6700	8.8	1183
CAPUTO 1994	CA-FRE-137	137-1330	PRJPT	CD	XRF	2.5	6700	8.8	1014
CAPUTO 1994	CA-FRE-137	229	DBTG	CD	VIS	4.2	6700	8.8	2863
CAPUTO 1994	CA-FRE-137	219	DBTG	CD	VIS	3.7	6700	8.8	2222
CAPUTO 1994	CA-FRE-137	220	DBTG	CD	VIS	4.6	6700	8.8	3434
CAPUTO 1994	CA-FRE-137	221	DBTG	CD	VIS	3.7	6700	8.8	2222
CAPUTO 1994	CA-FRE-137	137-1440	PRJPT	CD	XRF	2.2	6700	8.8	786
CAPUTO 1994	CA-FRE-137	137-526	PRJPT	CD	XRF	3.0	6700	8.8	1461
CAPUTO 1994	CA-FRE-137	137-761	PRJPT	CD	XRF	2.1	6700	8.8	716
CAPUTO 1994	CA-FRE-137	137-83	PRJPT	CD	XRF	2.4	6700	8.8	935
CAPUTO 1994	CA-FRE-137	222	DBTG	CD	VIS	4.7	6700	8.8	3585
CAPUTO 1994	CA-FRE-137	223	DBTG	CD	VIS	4.3	6700	8.8	3001
CAPUTO 1994	CA-FRE-137	224	DBTG	CD	VIS	4.3	6700	8.8	3001
CAPUTO 1994	CA-FRE-137	225	DBTG	CD	VIS	4.7	6700	8.8	3585
CAPUTO 1994	CA-FRE-137	226	DBTG	CD	VIS	4.2	6700	8.8	2863
CAPUTO 1994	CA-FRE-137	137-1316	PRJPT	CD	XRF	4.4	6700	8.8	3142
CAPUTO 1994	CA-FRE-137	228	DBTG	CD	VIS	3.7	6700	8.8	2222
CAPUTO 1994	CA-FRE-137	137-999	PRJPT	CD	XRF	2.5	6700	8.8	1014
CAPUTO 1994	CA-FRE-137	230	DBTG	CD	VIS	4.8	6700	8.8	3739
CAPUTO 1994	CA-FRE-137	230	DBTG	CD	VIS	4.3	6700	8.8	3001
CAPUTO 1994	CA-FRE-137	137-422	PRJPT	CD	XRF	3.5	6700	8.8	1988
CAPUTO 1994	CA-FRE-137	172	DBTG	CD	VIS	3.9	6700	8.8	2469
CAPUTO 1994	CA-FRE-137	137-141	PRJPT	CD	XRF	2.1	6700	8.8	716
CAPUTO 1994	CA-FRE-137	142	DBTG	CD	VIS	4.8	6700	8.8	3739
CAPUTO 1994	CA-FRE-137	141	BIFACE	CD	VIS	5.9	6700	8.8	5650
CAPUTO 1994	CA-FRE-137	140	DBTG	CD	VIS	5.1	6700	8.8	4221
CAPUTO 1994	CA-FRE-137	139	DBTG	CD	VIS	4.5	6700	8.8	3287
CAPUTO 1994	CA-FRE-137	148	DBTG	CD	VIS	9.3	6700	8.8	14037
CAPUTO 1994	CA-FRE-137	166	DBTG	CD	VIS	3.7	6700	8.8	2222
CAPUTO 1994	CA-FRE-137	175	DBTG	CD	VIS	1.7	6700	8.8	469
CAPUTO 1994	CA-FRE-137	175	DBTG	CD	VIS	2.7	6700	8.8	1183
CAPUTO 1994	CA-FRE-137	144	DBTG	CD	VIS	5.3	6700	8.8	4559
CAPUTO 1994	CA-FRE-137	173	DBTG	CD	VIS	3.9	6700	8.8	2469
CAPUTO 1994	CA-FRE-137	145	DBTG	CD	VIS	5.6	6700	8.8	5090
CAPUTO 1994	CA-FRE-137	171	DBTG	CD	VIS	4.5	6700	8.8	3287
CAPUTO 1994	CA-FRE-137	170	DBTG	CD	VIS	5.4	6700	8.8	4733
CAPUTO 1994	CA-FRE-137	137-1390	PRJPT	CD	XRF	1.4	6700	8.8	318
CAPUTO 1994	CA-FRE-137	169	DBTG	CD	VIS	4.5	6700	8.8	3287
CAPUTO 1994	CA-FRE-137	154	DBTG	CD	VIS	3.7	6700	8.8	2222

Reference	Site	Id	Desc	Srce	Met	Rim	Elev	EHT	B.P.
CAPUTO 1994	CA-FRE-137	167	DBTG	CD	VIS	5.5	6700	8.8	4910
CAPUTO 1994	CA-FRE-137	50	DBTG	CD	VIS	3.1	6700	8.8	1560
CAPUTO 1994	CA-FRE-137	165	DBTG	CD	VIS	4.5	6700	8.8	3287
CAPUTO 1994	CA-FRE-137	137-4102	PRJPT	CD	XRF	3.6	6700	8.8	2103
CAPUTO 1994	CA-FRE-137	164	DBTG	CD	VIS	6.2	6700	8.8	6239
CAPUTO 1994	CA-FRE-137	174	DBTG	CD	VIS	5.2	6700	8.8	4389
CAPUTO 1994	CA-FRE-137	153	DBTG	CD	VIS	4.2	6700	8.8	2863
CAPUTO 1994	CA-FRE-137	204	DBTG	CD	VIS	4.3	6700	8.8	3001
CAPUTO 1994	CA-FRE-137	204	DBTG	CD	VIS	3.5	6700	8.8	1988
CAPUTO 1994	CA-FRE-137	203	DBTG	CD	VIS	3.5	6700	8.8	1988
CAPUTO 1994	CA-FRE-137	202	DBTG	CD	VIS	3.9	6700	8.8	2469
CAPUTO 1994	CA-FRE-137	201	DBTG	CD	VIS	4.3	6700	8.8	3001
CAPUTO 1994	CA-FRE-137	200	DBTG	CD	VIS	4.8	6700	8.8	3739
CAPUTO 1994	CA-FRE-137	199	DBTG	CD	VIS	4.3	6700	8.8	3001
CAPUTO 1994	CA-FRE-137	208	DBTG	CD	VIS	4.2	6700	8.8	2863
CAPUTO 1994	CA-FRE-137	147	DBTG	CD	VIS	3.9	6700	8.8	2469
CAPUTO 1994	CA-FRE-137	143	DBTG	CD	VIS	5.1	6700	8.8	4221
CAPUTO 1994	CA-FRE-137	29	DBTG	CD	VIS	3.4	6700	8.8	1876
CAPUTO 1994	CA-FRE-137	162	DBTG	CD	VIS	4.1	6700	8.8	2728
CAPUTO 1994	CA-FRE-137	152	DBTG	CD	VIS	3.8	6700	8.8	2344
CAPUTO 1994	CA-FRE-137	151	CORE	CD	VIS	5.2	6700	8.8	4389
CAPUTO 1994	CA-FRE-137	150B	DBTG	CD	VIS	5.9	6700	8.8	5650
CAPUTO 1994	CA-FRE-137	150A	DBTG	CD	VIS	4.7	6700	8.8	3585
CAPUTO 1994	CA-FRE-137	149	DBTG	CD	VIS	9.7	6700	8.8	15271
CAPUTO 1994	CA-FRE-137	149	DBTG	CD	VIS	7.9	6700	8.8	10129
CAPUTO 1994	CA-FRE-137	155	DBTG	CD	VIS	4.7	6700	8.8	3585
CAPUTO 1994	CA-FRE-137	148	DBTG	CD	VIS	7.8	6700	8.8	9874
CAPUTO 1994	CA-FRE-137	156	DBTG	CD	VIS	3.9	6700	8.8	2469
CAPUTO 1994	CA-FRE-137	146	DBTG	CD	VIS	4.8	6700	8.8	3739
CAPUTO 1994	CA-FRE-137	178	DBTG	CD	VIS	4.4	6700	8.8	3142
CAPUTO 1994	CA-FRE-137	137-820	PRJPT	CD	XRF	2.1	6700	8.8	716
CAPUTO 1994	CA-FRE-137	163	DBTG	CD	VIS	5.8	6700	8.8	5460
CAPUTO 1994	CA-FRE-137	137-4344	DBTG	CD	VIS	3.9	6700	8.8	2469
CAPUTO 1994	CA-FRE-137	137-995	PRJPT	CD	XRF	3.1	6700	8.8	1560
CAPUTO 1994	CA-FRE-137	137-1255	PRJPT	CD	XRF	2.4	6700	8.8	935
CAPUTO 1994	CA-FRE-137	137-1333	PRJPT	CD	XRF	2.9	6700	8.8	1365
CAPUTO 1994	CA-FRE-137	137-1410	PRJPT	CD	XRF	1.8	6700	8.8	526
CAPUTO 1994	CA-FRE-137	137-1615	PRJPT	CD	XRF	1.1	6700	8.8	196
CAPUTO 1994	CA-FRE-137	137-1620	PRJPT	CD	XRF	3.5	6700	8.8	1988
CAPUTO 1994	CA-FRE-137	137-4237	DBTG	CD	VIS	4.3	6700	8.8	3001
CAPUTO 1994	CA-FRE-137	22	DBTG	CD	VIS	5.5	6700	8.8	4910
CAPUTO 1994	CA-FRE-137	137-4293	DBTG	CD	VIS	1.7	6700	8.8	469
CAPUTO 1994	CA-FRE-137	23	DBTG	CD	VIS	4.2	6700	8.8	2863
CAPUTO 1994	CA-FRE-137	137-4363	DBTG	CD	VIS	2.2	6700	8.8	786
CAPUTO 1994	CA-FRE-137	137-4393	DBTG	CD	VIS	2.3	6700	8.8	859
CAPUTO 1994	CA-FRE-137	137-4420	DBTG	CD	VIS	6.1	6700	8.8	6039
CAPUTO 1994	CA-FRE-137	137-4423	DBTG	CD	VIS	2.7	6700	8.8	1183
CAPUTO 1994	CA-FRE-137	137-4257	DBTG	CD	VIS	1.2	6700	8.8	234
CAPUTO 1994	CA-FRE-137	137-160	PRJPT	CD	XRF	3.0	6700	8.8	1461
CAPUTO 1994	CA-FRE-137	137-1070	PRJPT	CD	XRF	2.3	6700	8.8	859
CAPUTO 1994	CA-FRE-137	137-7	PRJPT	CD	XRF	3.1	6700	8.8	1560
CAPUTO 1994	CA-FRE-137	137-11	PRJPT	CD	XRF	2.2	6700	8.8	786
CAPUTO 1994	CA-FRE-137	137-12	PRJPT	CD	XRF	2.9	6700	8.8	1365
CAPUTO 1994	CA-FRE-137	137-4240	DBTG	CD	VIS	2.0	6700	8.8	649
CAPUTO 1994	CA-FRE-137	137-1479	PRJPT	CD	VIS	2.3	6700	8.8	859
CAPUTO 1994	CA-FRE-137	137-106	PRJPT	CD	XRF	2.7	6700	8.8	1183
CAPUTO 1994	CA-FRE-137	161	DBTG	CD	VIS	4.3	6700	8.8	3001
CAPUTO 1994	CA-FRE-137	159	DBTG	CD	VIS	6.5	6700	8.8	6857
CAPUTO 1994	CA-FRE-137	158	DBTG	CD	VIS	3.3	6700	8.8	1767
CAPUTO 1994	CA-FRE-137	168	DBTG	CD	VIS	5.3	6700	8.8	4559
CAPUTO 1994	CA-FRE-137	52	DBTG	CD	VIS	3.1	6700	8.8	1560
CAPUTO 1994	CA-FRE-137	137-535	PRJPT	CD	VIS	3.8	6700	8.8	2344
CAPUTO 1994	CA-FRE-137	137-1540	PRJPT	CD	VIS	2.5	6700	8.8	1014
CAPUTO 1994	CA-FRE-137	137-421	PRJPT	CD	VIS	3.5	6700	8.8	1988
CAPUTO 1994	CA-FRE-137	21	DBTG	CD	VIS	5.2	6700	8.8	4389
CAPUTO 1994	CA-FRE-137	137-883	PRJPT	CD	VIS	2.8	6700	8.8	1272
CAPUTO 1994	CA-FRE-137	163	DBTG	CD	VIS	4.5	6700	8.8	3287
CAPUTO 1994	CA-FRE-137	137-903	PRJPT	CD	VIS	3.5	6700	8.8	1988
CAPUTO 1994	CA-FRE-137	137-203	PRJPT	CD	VIS	2.4	6700	8.8	935
CAPUTO 1994	CA-FRE-137	137-904	PRJPT	CD	VIS	3.2	6700	8.8	1662
CAPUTO 1994	CA-FRE-137	137-1625	PRJPT	CD	VIS	2.8	6700	8.8	1272
CAPUTO 1994	CA-FRE-137	18	DBTG	CD	VIS	2.5	6700	8.8	1014
CAPUTO 1994	CA-FRE-137	137-1127	PRJPT	CD	VIS	2.5	6700	8.8	1014
CAPUTO 1994	CA-FRE-137	27	DBTG	CD	VIS	3.9	6700	8.8	2469
CAPUTO 1994	CA-FRE-137	26	DBTG	CD	VIS	3.5	6700	8.8	1988
CAPUTO 1994	CA-FRE-137	25	DBTG	CD	VIS	5.9	6700	8.8	5650
CAPUTO 1994	CA-FRE-137	24	DBTG	CD	VIS	3.7	6700	8.8	2222
CAPUTO 1994	CA-FRE-137	137-1140	PRJPT	CD	VIS	1.4	6700	8.8	318

Reference	Site	Id	Desc	Srce	Met	Rim	Elev	EHT	B.P.
GARFINKEL ET AL 1979	CA-TUL-488	647	PRJPT	CS	XRF	1.2	5680	10.3	172
GARFINKEL ET AL 1979	CA-TUL-488	649	PRJPT	CS	XRF	2.3	5680	10.3	633
GARFINKEL ET AL 1979	CA-TUL-488	336	PRJPT	FS	XRF	2.1	5680	10.3	689
GARFINKEL ET AL 1979	CA-TUL-488	390	PRJPT	CS	XRF	2.0	5680	10.3	480
GARFINKEL ET AL 1979	CA-TUL-488	262	PRJPT	CS	XRF	4.0	5680	10.3	1881
GARFINKEL ET AL 1979	CA-TUL-488	281	PRJPT	CS	XRF	2.0	5680	10.3	480
GARFINKEL ET AL 1979	CA-TUL-488	624	PRJPT	CS	XRF	1.0	5680	10.3	106
GARFINKEL ET AL 1979	CA-TUL-488	648	PRJPT	CS	XRF	2.0	5680	10.3	470
GARFINKEL ET AL 1979	CA-TUL-488	736	PRJPT	CS	XRF	2.1	5680	10.3	528
GARFINKEL ET AL 1979	CA-TUL-488	119	PRJPT	CS	XRF	2.0	5680	10.3	480
GARFINKEL ET AL 1979	CA-TUL-488	001	PRJPT	CS	XRF	1.8	5680	10.3	385
GARFINKEL ET AL 1979	CA-TUL-488	289	PRJPT	CS	XRF	5.3	5680	10.3	3240
GARFINKEL ET AL 1979	CA-TUL-488	674	PRJPT	CS	XRF	2.5	5680	10.3	746
GARFINKEL ET AL 1979	CA-TUL-488	037	PRJPT	CS	XRF	3.7	5680	10.3	1635
GARFINKEL ET AL 1979	CA-TUL-488	261	PRJPT	CS	XRF	4.4	5680	10.3	2317
GARFINKEL ET AL 1979	CA-TUL-488	436	PRJPT	CS	XRF	3.0	5680	10.3	1079
GARFINKEL ET AL 1979	CA-TUL-488	120	PRJPT	CS	XRF	2.7	5680	10.3	870
GARFINKEL ET AL 1979	CA-TUL-488	223	PRJPT	CS	XRF	3.9	5680	10.3	1770
GARFINKEL ET AL 1979	CA-TUL-488	692	PRJPT	CS	XRF	6.6	5680	10.3	5058
GARFINKEL ET AL 1979	CA-TUL-488	603	PRJPT	CS	XRF	10.7	5680	10.3	13458
GARFINKEL ET AL 1979	CA-TUL-488	319	PRJPT	CS	XRF	3.7	5680	10.3	1635
GARFINKEL ET AL 1979	CA-TUL-488	733	PRJPT	CS	XRF	3.0	5680	10.3	1079
GARFINKEL ET AL 1979	CA-TUL-488	002	PRJPT	CS	XRF	1.1	5680	10.3	145
GOLDBERG AND MORATTO 1984	CA-FRE-812	21-22D	DBTG	CD	VIS	1.4	6649	8.9	316
GOLDBERG AND MORATTO 1984	CA-FRE-812	21-27E	DBTG	CD	VIS	2.6	6649	8.9	1090
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-10D	DBTG	CD	VIS	1.3	6649	8.9	273
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-20D	DBTG	CD	XRF	2.4	6649	8.9	929
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-22B	DBTG	CD	VIS	3.9	6649	8.9	2453
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-24E	DBTG	CD	XRF	2.2	6649	8.9	781
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-20J	DBTG	CD	VIS	3.0	6649	8.9	1452
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-20I	DBTG	CD	VIS	3.8	6649	8.9	2329
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-20H	DBTG	CD	VIS	1.9	6649	8.9	582
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-20G	DBTG	CD	XRF	5.1	6649	8.9	4195
GOLDBERG AND MORATTO 1984	CA-FRE-812	22-18	DBTG	CD	VIS	0.8	6649	8.9	103
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-20E	DBTG	CD	VIS	4.0	6649	8.9	2580
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-22E	DBTG	CD	VIS	4.0	6649	8.9	2580
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-10	BIFACE	CD	VIS	1.1	6649	8.9	195
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-22C	DBTG	CD	VIS	3.9	6649	8.9	2453
GOLDBERG AND MORATTO 1984	CA-FRE-812	21-11A	DBTG	CD	VIS	1.5	6649	8.9	363
GOLDBERG AND MORATTO 1984	CA-FRE-812	21-27B	DBTG	CD	VIS	3.8	6649	8.9	2329
GOLDBERG AND MORATTO 1984	CA-FRE-812	21-27A	DBTG	CD	VIS	4.3	6649	8.9	2982
GOLDBERG AND MORATTO 1984	CA-FRE-812	22-22B	DBTG	CD	VIS	2.4	6649	8.9	929
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-19B	DBTG	CD	VIS	2.2	6649	8.9	781
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-20F	DBTG	CD	VIS	3.2	6649	8.9	1652
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-22A	DBTG	CD	VIS	3.7	6649	8.9	2208
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-29G	DBTG	CD	VIS	3.1	6649	8.9	1550
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-29F	DBTG	CD	VIS	3.4	6649	8.9	1864
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-29E	DBTG	CD	VIS	3.3	6649	8.9	1756
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-29D	DBTG	CD	VIS	2.9	6649	8.9	1356
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-29C	DBTG	CD	VIS	3.2	6649	8.9	1652
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-29B	DBTG	CD	VIS	2.3	6649	8.9	853
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-29A	DBTG	CD	VIS	3.6	6649	8.9	2090
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-24D	DBTG	CD	VIS	4.3	6649	8.9	2982
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-29J	DBTG	CD	VIS	2.4	6649	8.9	929
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-22D	DBTG	CD	VIS	3.9	6649	8.9	2453
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-19E	DBTG	CD	VIS	3.6	6649	8.9	2090
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-22J	DBTG	CD	XRF	2.4	6649	8.9	929
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-22I	DBTG	CD	VIS	4.4	6649	8.9	3122
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-22H	DBTG	CD	VIS	3.5	6649	8.9	1976
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-22G	DBTG	CD	VIS	3.2	6649	8.9	1652
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-22F	DBTG	CD	VIS	3.8	6649	8.9	2329
GOLDBERG AND MORATTO 1984	CA-FRE-812	22-11J	DBTG	CD	VIS	1.0	6649	8.9	161
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-23G	DBTG	CD	VIS	3.6	6649	8.9	2090
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-11A	DBTG	CD	VIS	3.6	6649	8.9	2090
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-18	DBTG	CD	VIS	3.5	6649	8.9	1976
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-11J	DBTG	CD	VIS	1.7	6649	8.9	466
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-11I	DBTG	CD	VIS	2.0	6649	8.9	645
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-12F	DBTG	CD	VIS	1.7	6649	8.9	466
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-11G	DBTG	CD	VIS	1.2	6649	8.9	232
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-12G	DBTG	CD	VIS	2.5	6649	8.9	1008
GOLDBERG AND MORATTO 1984	CA-FRE-812	22-20	DBTG	CD	VIS	1.0	6649	8.9	161
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-11C	DBTG	CD	VIS	1.4	6649	8.9	316
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-12C	DBTG	CD	VIS	2.0	6649	8.9	645
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-6G	DBTG	CD	VIS	1.0	6649	8.9	161
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-6F	DBTG	CD	VIS	1.0	6649	8.9	161
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-6E	DBTG	CD	VIS	1.1	6649	8.9	195
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-6D	DBTG	CD	VIS	1.0	6649	8.9	161
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-6C	DBTG	CD	VIS	1.0	6649	8.9	161

Reference	Site	Id	Desc	Srce	Met	Rim	Elev	EHT	B.P.
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-11H	DBTG	CD	VIS	1.4	6649	8.9	316
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-16E	DBTG	CD	VIS	1.3	6649	8.9	273
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-11E	DBTG	CD	VIS	1.3	6649	8.9	273
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-26B	DBTG	CD	XRF	1.2	6649	8.9	232
GOLDBERG AND MORATTO 1984	CA-FRE-812	22-11I	DBTG	CD	VIS	4.0	6649	8.9	2580
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-24C	DBTG	CD	VIS	4.5	6649	8.9	3266
GOLDBERG AND MORATTO 1984	CA-FRE-812	22-11D	DBTG	CD	VIS	1.0	6649	8.9	161
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-19D	DBTG	CD	VIS	3.1	6649	8.9	1550
GOLDBERG AND MORATTO 1984	CA-FRE-812	21-17	DBTG	CD	VIS	1.1	6649	8.9	195
GOLDBERG AND MORATTO 1984	CA-FRE-812	21-16	DBTG	CD	VIS	1.0	6649	8.9	161
GOLDBERG AND MORATTO 1984	CA-FRE-812	21-6	DBTG	CD	VIS	0.9	6649	8.9	131
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-12A	DBTG	CD	VIS	1.4	6649	8.9	316
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-26C	DBTG	CD	VIS	3.7	6649	8.9	2208
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-12B	DBTG	CD	VIS	2.3	6649	8.9	853
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-26A	DBTG	CD	VIS	3.9	6649	8.9	2453
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-24G	DBTG	CD	VIS	3.8	6649	8.9	2329
GOLDBERG AND MORATTO 1984	CA-FRE-812	22-11G	DBTG	CD	VIS	1.4	6649	8.9	316
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-11F	DBTG	CD	VIS	1.6	6649	8.9	413
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-20C	DBTG	CD	VIS	2.4	6649	8.9	929
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-12E	DBTG	CD	VIS	2.1	6649	8.9	711
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-23D	DBTG	CD	VIS	1.4	6649	8.9	316
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-26D	DBTG	CD	VIS	4.1	6649	8.9	2711
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-1F	DBTG	CD	XRF	0.9	6649	8.9	131
GOLDBERG AND MORATTO 1984	CA-FRE-812	23-13	DBTG	CD	VIS	1.1	6649	8.9	195
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-6A	DBTG	CD	VIS	2.5	6649	8.9	1008
GOLDBERG AND MORATTO 1984	CA-FRE-812	23-16A	DBTG	CD	VIS	1.2	6649	8.9	232
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-1A	DBTG	CD	XRF	4.8	6649	8.9	3716
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-9	PRJPT	CD	XRF	1.1	6649	8.9	195
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-8	PRJPT	CD	VIS	1.5	6649	8.9	363
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-6B	DBTG	CD	VIS	1.4	6649	8.9	316
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-1G	DBTG	CD	VIS	1.0	6649	8.9	161
GOLDBERG AND MORATTO 1984	CA-FRE-812	23-8A	DBTG	CD	VIS	1.1	6649	8.9	195
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-1E	DBTG	CD	VIS	1.0	6649	8.9	161
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-1D	DBTG	CD	VIS	1.4	6649	8.9	316
GOLDBERG AND MORATTO 1984	CA-FRE-812	23-21	DBTG	CD	VIS	1.0	6649	8.9	161
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-1B	DBTG	CD	VIS	1.3	6649	8.9	273
GOLDBERG AND MORATTO 1984	CA-FRE-812	23-1G	DBTG	CD	VIS	1.3	6649	8.9	273
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-4	DBTG	CD	VIS	2.3	6649	8.9	853
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-3	DBTG	CD	VIS	2.6	6649	8.9	1090
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-1H	DBTG	CD	XRF	4.6	6649	8.9	3413
GOLDBERG AND MORATTO 1984	CA-FRE-812	23-16B	DBTG	CD	VIS	3.4	6649	8.9	1864
GOLDBERG AND MORATTO 1984	CA-FRE-812	21-27C	DBTG	CD	VIS	2.3	6649	8.9	853
GOLDBERG AND MORATTO 1984	CA-FRE-812	23-17	DBTG	CD	VIS	1.2	6649	8.9	232
GOLDBERG AND MORATTO 1984	CA-FRE-812	23-10	DBTG	CD	VIS	1.0	6649	8.9	161
GOLDBERG AND MORATTO 1984	CA-FRE-812	23-20	PRJPT	CD	VIS	3.9	6649	8.9	2453
GOLDBERG AND MORATTO 1984	CA-FRE-812	23-16H	DBTG	CD	VIS	1.7	6649	8.9	466
GOLDBERG AND MORATTO 1984	CA-FRE-812	23-16G	DBTG	CD	VIS	1.0	6649	8.9	161
GOLDBERG AND MORATTO 1984	CA-FRE-812	23-16F	DBTG	CD	VIS	1.4	6649	8.9	316
GOLDBERG AND MORATTO 1984	CA-FRE-812	23-14	DBTG	CD	VIS	1.4	6649	8.9	316
GOLDBERG AND MORATTO 1984	CA-FRE-812	23-16C	DBTG	CD	VIS	1.3	6649	8.9	273
GOLDBERG AND MORATTO 1984	CA-FRE-812	23-15	DBTG	CD	VIS	1.1	6649	8.9	195
GOLDBERG AND MORATTO 1984	CA-FRE-812	23-21	DBTG	CD	VIS	2.7	6649	8.9	1176
GOLDBERG AND MORATTO 1984	CA-FRE-812	23-18	PRJPT	CD	VIS	1.5	6649	8.9	363
GOLDBERG AND MORATTO 1984	CA-FRE-812	23-19A	DBTG	CD	VIS	2.5	6649	8.9	1008
GOLDBERG AND MORATTO 1984	CA-FRE-812	23-8E	DBTG	CD	VIS	1.1	6649	8.9	195
GOLDBERG AND MORATTO 1984	CA-FRE-812	23-8C	DBTG	CD	VIS	2.0	6649	8.9	645
GOLDBERG AND MORATTO 1984	CA-FRE-812	23-8B	DBTG	CD	VIS	1.4	6649	8.9	316
GOLDBERG AND MORATTO 1984	CA-FRE-812	23-19F	DBTG	CD	VIS	1.2	6649	8.9	232
GOLDBERG AND MORATTO 1984	CA-FRE-812	23-16E	DBTG	CD	VIS	2.6	6649	8.9	1090
GOLDBERG AND MORATTO 1984	CA-FRE-812	23-1E	DBTG	CD	VIS	1.1	6649	8.9	195
GOLDBERG AND MORATTO 1984	CA-FRE-812	23-19H	DBTG	CD	VIS	2.4	6649	8.9	929
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-19A	DBTG	CD	VIS	2.0	6649	8.9	645
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-22	DBTG	CD	VIS	2.0	6649	8.9	645
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-21	DBTG	CD	VIS	1.5	6649	8.9	363
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-16H	DBTG	CD	VIS	1.8	6649	8.9	523
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-16G	DBTG	CD	VIS	2.0	6649	8.9	645
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-19G	DBTG	CD	VIS	3.4	6649	8.9	1864
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-19C	DBTG	CD	VIS	3.8	6649	8.9	2329
GOLDBERG AND MORATTO 1984	CA-FRE-812	23-1F	DBTG	CD	VIS	1.6	6649	8.9	413
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-19D	DBTG	CD	VIS	2.1	6649	8.9	711
GOLDBERG AND MORATTO 1984	CA-FRE-812	23-1D	DBTG	CD	VIS	4.5	6649	8.9	3266
GOLDBERG AND MORATTO 1984	CA-FRE-812	23-1C	DBTG	CD	VIS	2.0	6649	8.9	645
GOLDBERG AND MORATTO 1984	CA-FRE-812	23-1B	DBTG	CD	VIS	1.4	6649	8.9	316
GOLDBERG AND MORATTO 1984	CA-FRE-812	23-1A	DBTG	CD	VIS	1.1	6649	8.9	195
GOLDBERG AND MORATTO 1984	CA-FRE-812	23-6	DBTG	CD	VIS	1.7	6649	8.9	466
GOLDBERG AND MORATTO 1984	CA-FRE-812	23-5	PRJPT	CD	VIS	1.0	6649	8.9	161
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-19A	DBTG	CD	VIS	4.0	6649	8.9	2580
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-29H	DBTG	CD	VIS	2.1	6649	8.9	711

Reference	Site	Id	Desc	Srce	Met	Rim	Elev	EHT	B.P.
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-23A	DBTG	CD	VIS	2.7	6649	8.9	1176
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-29I	DBTG	CD	VIS	3.9	6649	8.9	2453
GOLDBERG AND MORATTO 1984	CA-FRE-812	23-19E	DBTG	CD	VIS	3.2	6649	8.9	1652
GOLDBERG AND MORATTO 1984	CA-FRE-812	23-19D	DBTG	CD	VIS	1.8	6649	8.9	523
GOLDBERG AND MORATTO 1984	CA-FRE-812	23-19C	DBTG	CD	VIS	2.1	6649	8.9	711
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-1C	DBTG	CD	VIS	1.4	6649	8.9	316
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-19E	DBTG	CD	VIS	3.1	6649	8.9	1550
GOLDBERG AND MORATTO 1984	CA-FRE-812	23-11	DBTG	CD	VIS	1.1	6649	8.9	195
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-19B	DBTG	CD	VIS	2.3	6649	8.9	853
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-23B	DBTG	CD	XRF	4.5	6649	8.9	3266
GOLDBERG AND MORATTO 1984	CA-FRE-812	23-19G	DBTG	CD	VIS	2.3	6649	8.9	853
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-27	DBTG	CD	VIS	2.7	6649	8.9	1176
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-26	DBTG	CD	VIS	1.9	6649	8.9	582
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-24	DBTG	CD	VIS	1.8	6649	8.9	523
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-19H	DBTG	CD	VIS	2.6	6649	8.9	1090
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-23E	DBTG	CD	VIS	2.7	6649	8.9	1176
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-19F	DBTG	CD	VIS	1.1	6649	8.9	195
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-23F	DBTG	CD	VIS	1.8	6649	8.9	523
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-23C	DBTG	CD	VIS	2.7	6649	8.9	1176
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-10G	DBTG	CD	VIS	2.4	6649	8.9	929
GOLDBERG AND MORATTO 1984	CA-FRE-812	2-5	DBTG	CD	VIS	2.5	6649	8.9	1008
GOLDBERG AND MORATTO 1984	CA-FRE-812	18-4	PRJPT	CD	VIS	2.0	6649	8.9	645
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-13	DBTG	CD	VIS	1.1	6649	8.9	195
GOLDBERG AND MORATTO 1984	CA-FRE-812	15-4	PRJPT	CD	VIS	0.9	6649	8.9	131
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-10C	DBTG	CD	XRF	3.9	6649	8.9	2453
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-5A	DBTG	CD	VIS	1.2	6649	8.9	232
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-5G	DBTG	CD	VIS	1.2	6649	8.9	232
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-10F	DBTG	CD	VIS	1.2	6649	8.9	232
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-5F	DBTG	CD	VIS	1.2	6649	8.9	232
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-31	DBTG	CD	VIS	3.3	6649	8.9	1756
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-16A	DBTG	CD	VIS	2.7	6649	8.9	1176
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-16B	DBTG	CD	VIS	1.5	6649	8.9	363
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-16C	DBTG	CD	VIS	2.1	6649	8.9	711
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-10A	DBTG	CD	VIS	1.1	6649	8.9	195
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-1C	DBTG	CD	VIS	1.0	6649	8.9	161
GOLDBERG AND MORATTO 1984	CA-FRE-812	10-11	PRJPT	CD	VIS	1.2	6649	8.9	232
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-10E	DBTG	CD	VIS	1.2	6649	8.9	232
GOLDBERG AND MORATTO 1984	CA-FRE-812	21-4	PRJPT	CD	VIS	1.1	6649	8.9	195
GOLDBERG AND MORATTO 1984	CA-FRE-812	28-13	PRJPT	CD	VIS	1.3	6649	8.9	273
GOLDBERG AND MORATTO 1984	CA-FRE-812	3-4	PRJPT	CD	VIS	1.4	6649	8.9	316
GOLDBERG AND MORATTO 1984	CA-FRE-812	37-23	PRJPT	CD	VIS	1.9	6649	8.9	582
GOLDBERG AND MORATTO 1984	CA-FRE-812	37-19	PRJPT	CD	VIS	1.0	6649	8.9	161
GOLDBERG AND MORATTO 1984	CA-FRE-812	8-6	PRJPT	CD	VIS	1.0	6649	8.9	161
GOLDBERG AND MORATTO 1984	CA-FRE-812	28-4	PRJPT	CD	XRF	0.8	6649	8.9	103
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-5H	DBTG	CD	VIS	1.1	6649	8.9	195
GOLDBERG AND MORATTO 1984	CA-FRE-812	16-15	DBTG	CD	VIS	1.4	6649	8.9	316
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-14	PRJPT	CD	VIS	1.3	6649	8.9	273
GOLDBERG AND MORATTO 1984	CA-FRE-812	39-28	PRJPT	CD	VIS	3.6	6649	8.9	2090
GOLDBERG AND MORATTO 1984	CA-FRE-812	29-6	PRJPT	CD	VIS	2.6	6649	8.9	1090
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-14H	DBTG	CD	VIS	3.9	6649	8.9	2453
GOLDBERG AND MORATTO 1984	CA-FRE-812	22-22A	DBTG	CD	VIS	1.5	6649	8.9	363
GOLDBERG AND MORATTO 1984	CA-FRE-812	21-27D	DBTG	CD	VIS	4.7	6649	8.9	3563
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-5D	DBTG	CD	VIS	1.1	6649	8.9	195
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-5E	DBTG	CD	VIS	0.9	6649	8.9	131
GOLDBERG AND MORATTO 1984	CA-FRE-812	31-14	DBTG	CD	VIS	1.5	6649	8.9	363
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-14I	DBTG	CD	VIS	3.7	6649	8.9	2208
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-12I	DBTG	CD	VIS	2.5	6649	8.9	1008
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-14A	DBTG	CD	VIS	2.1	6649	8.9	711
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-15D	DBTG	CD	VIS	2.4	6649	8.9	929
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-15C	DBTG	CD	VIS	3.2	6649	8.9	1652
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-15B	DBTG	CD	VIS	3.3	6649	8.9	1756
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-15A	DBTG	CD	XRF	2.8	6649	8.9	1264
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-15G	DBTG	CD	VIS	4.1	6649	8.9	2711
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-14D	DBTG	CD	VIS	4.5	6649	8.9	3266
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-12E	DBTG	CD	VIS	3.8	6649	8.9	2329
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-16F	DBTG	CD	VIS	2.3	6649	8.9	853
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-16D	DBTG	CD	VIS	2.5	6649	8.9	1008
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-14G	DBTG	CD	VIS	4.0	6649	8.9	2580
GOLDBERG AND MORATTO 1984	CA-FRE-812	20-8	PRJPT	CD	VIS	1.4	6649	8.9	316
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-14F	DBTG	CD	VIS	2.2	6649	8.9	781
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-5I	DBTG	CD	VIS	1.3	6649	8.9	273
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-14E	DBTG	CD	VIS	3.4	6649	8.9	1864
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-14B	DBTG	CD	VIS	1.3	6649	8.9	273
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-17	DBTG	CD	VIS	3.4	6649	8.9	1864
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-1E	DBTG	CD	VIS	1.1	6649	8.9	195
GOLDBERG AND MORATTO 1984	CA-FRE-812	34-10	PRJPT	CD	VIS	1.5	6649	8.9	363
GOLDBERG AND MORATTO 1984	CA-FRE-812	26-4	PRJPT	CD	XRF	2.1	6649	8.9	711
GOLDBERG AND MORATTO 1984	CA-FRE-812	32-16	PRJPT	CD	VIS	2.2	6649	8.9	781

Reference	Site	Id	Desc	Srce	Met	Rim	Elev	EHT	B.P.
GOLDBERG AND MORATTO 1984	CA-FRE-812	9-7	DBTG	CD	VIS	2.3	6649	8.9	853
GOLDBERG AND MORATTO 1984	CA-FRE-812	16-24	DBTG	CD	VIS	2.2	6649	8.9	781
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-5C	DBTG	CD	VIS	1.1	6649	8.9	195
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-1B	DBTG	CD	VIS	2.6	6649	8.9	1090
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-12H	DBTG	CD	VIS	1.9	6649	8.9	582
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-1D	DBTG	CD	VIS	1.4	6649	8.9	316
GOLDBERG AND MORATTO 1984	CA-FRE-812	44-14J	DBTG	CD	VIS	3.9	6649	8.9	2453
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-1F	DBTG	CD	VIS	1.4	6649	8.9	316
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-1G	DBTG	CD	VIS	2.6	6649	8.9	1090
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-1H	DBTG	CD	VIS	1.1	6649	8.9	195
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-1I	DBTG	CD	VIS	1.1	6649	8.9	195
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-9	PRJPT	CD	XRF	0.8	6649	8.9	103
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-3	DBTG	CD	VIS	2.2	6649	8.9	781
GOLDBERG AND MORATTO 1984	CA-FRE-812	11-5B	DBTG	CD	VIS	1.1	6649	8.9	195
GOLDBERG ET AL 1986	CA-MAD-1213	2-41-3	DBTG	CD	VIS	14.2	3400	14.5	19507
GOLDBERG ET AL 1986	CA-MAD-1213	2-8-2	DBTG	CD	VIS	1.9	3400	14.5	349
GOLDBERG ET AL 1986	CA-MAD-1213	2-41-4	DBTG	CD	VIS	4.1	3400	14.5	1626
GOLDBERG ET AL 1986	CA-MAD-1213	2-41-5	DBTG	CD	VIS	5.1	3400	14.5	2516
GOLDBERG ET AL 1986	CA-MAD-1213	2-41-6	DBTG	CD	VIS	4.2	3400	14.5	1707
GOLDBERG ET AL 1986	CA-MAD-1213	2-41-7	DBTG	CD	VIS	1.1	3400	14.5	117
GOLDBERG ET AL 1986	CA-MAD-1213	2-41-8	DBTG	CD	VIS	5.3	3400	14.5	2717
GOLDBERG ET AL 1986	CA-MAD-1213	2-45	DBTG	CD	VIS	4.5	3400	14.5	1959
GOLDBERG ET AL 1986	CA-MAD-1213	2-45-1	DBTG	CD	VIS	4.6	3400	14.5	2047
GOLDBERG ET AL 1986	CA-MAD-1213	2-45-3	DBTG	CD	VIS	3.4	3400	14.5	1118
GOLDBERG ET AL 1986	CA-MAD-1213	2-13	PRJPT	CD	VIS	1.4	3400	14.5	190
GOLDBERG ET AL 1986	CA-MAD-1213	2-45-6	DBTG	CD	VIS	4.5	3400	14.5	1959
GOLDBERG ET AL 1986	CA-MAD-1213	2-36-7	DBTG	CD	VIS	5.0	3400	14.5	2419
GOLDBERG ET AL 1986	CA-MAD-1213	2-34	BIPOLAR C	CD	XRF	4.6	3400	14.5	2047
GOLDBERG ET AL 1986	CA-MAD-1213	2-45-2	DBTG	CD	VIS	4.1	3400	14.5	1626
GOLDBERG ET AL 1986	CA-MAD-1213	2-3-2	DBTG	CD	VIS	1.6	3400	14.5	248
GOLDBERG ET AL 1986	CA-MAD-1213	2-36-6	DBTG	CD	VIS	6.1	3400	14.5	3600
GOLDBERG ET AL 1986	CA-MAD-1213	2-8-1	DBTG	CD	VIS	1.4	3400	14.5	190
GOLDBERG ET AL 1986	CA-MAD-1213	2-8	DBTG	CD	VIS	1.5	3400	14.5	218
GOLDBERG ET AL 1986	CA-MAD-1213	2-3-9	DBTG	CD	VIS	2.1	3400	14.5	427
GOLDBERG ET AL 1986	CA-MAD-1213	2-3-7	DBTG	CD	VIS	2.2	3400	14.5	468
GOLDBERG ET AL 1986	CA-MAD-1213	2-3-5	DBTG	CD	VIS	2.4	3400	14.5	557
GOLDBERG ET AL 1986	CA-MAD-1213	7-15	PRJPT	CD	VIS	4.4	3400	14.5	1873
GOLDBERG ET AL 1986	CA-MAD-1213	2-3-3	DBTG	CD	VIS	1.4	3400	14.5	190
GOLDBERG ET AL 1986	CA-MAD-1213	2-41-2	DBTG	CD	VIS	2.9	3400	14.5	814
GOLDBERG ET AL 1986	CA-MAD-1213	2-3-1	DBTG	CD	VIS	4.5	3400	14.5	1959
GOLDBERG ET AL 1986	CA-MAD-1213	2-27	PRJPT	CD	VIS	5.4	3400	14.5	2821
GOLDBERG ET AL 1986	CA-MAD-1213	2-8-4	DBTG	CD	VIS	4.7	3400	14.5	2137
GOLDBERG ET AL 1986	CA-MAD-1213	7-15	PRJPT	CD	VIS	5.6	3400	14.5	3034
GOLDBERG ET AL 1986	CA-MAD-1213	2-47-1	DBTG	CD	VIS	5.8	3400	14.5	3254
GOLDBERG ET AL 1986	CA-MAD-1213	2-41-1	DBTG	CD	VIS	5.5	3400	14.5	2926
GOLDBERG ET AL 1986	CA-MAD-1213	2-3-4	DBTG	CD	VIS	1.5	3400	14.5	218
GOLDBERG ET AL 1986	CA-MAD-1213	2-36	DBTG	CD	VIS	4.8	3400	14.5	2229
GOLDBERG ET AL 1986	CA-MAD-1213	2-18-5	DBTG	CD	VIS	7.2	3400	14.5	5015
GOLDBERG ET AL 1986	CA-MAD-1213	2-24-9	DBTG	CD	XRF	5.9	3400	14.5	3368
GOLDBERG ET AL 1986	CA-MAD-1213	2-18-7	DBTG	CD	VIS	3.6	3400	14.5	1254
GOLDBERG ET AL 1986	CA-MAD-1213	2-18-8	DBTG	CD	VIS	3.4	3400	14.5	1118
GOLDBERG ET AL 1986	CA-MAD-1213	2-36-9	DBTG	CD	VIS	5.3	3400	14.5	2717
GOLDBERG ET AL 1986	CA-MAD-1213	2-8-3	DBTG	CD	VIS	5.0	3400	14.5	2419
GOLDBERG ET AL 1986	CA-MAD-1213	2-36-5	DBTG	CD	VIS	3.5	3400	14.5	1185
GOLDBERG ET AL 1986	CA-MAD-1213	2-36-4	DBTG	CD	VIS	5.1	3400	14.5	2516
GOLDBERG ET AL 1986	CA-MAD-1213	3-9	BIPOLAR C	CD	XRF	4.9	3400	14.5	2323
GOLDBERG ET AL 1986	CA-MAD-1213	2-24-10	DBTG	CD	XRF	6.4	3400	14.5	3963
GOLDBERG ET AL 1986	CA-MAD-1213	2-18-4	DBTG	CD	VIS	3.5	3400	14.5	1185
GOLDBERG ET AL 1986	CA-MAD-1213	2-24-1	DBTG	CD	XRF	5.0	3400	14.5	2419
GOLDBERG ET AL 1986	CA-MAD-1213	2-24-8	DBTG	CD	XRF	2.0	3400	14.5	387
GOLDBERG ET AL 1986	CA-MAD-1213	2-24-6	DBTG	CD	XRF	4.7	3400	14.5	2137
GOLDBERG ET AL 1986	CA-MAD-1213	2-24-5	DBTG	CD	XRF	5.3	3400	14.5	2717
GOLDBERG ET AL 1986	CA-MAD-1213	2-24-4	DBTG	CD	XRF	6.9	3400	14.5	4606
GOLDBERG ET AL 1986	CA-MAD-1213	2-24-3	DBTG	CD	XRF	4.8	3400	14.5	2229
GOLDBERG ET AL 1986	CA-MAD-1213	2-36-8	DBTG	CD	VIS	4.2	3400	14.5	1707
GOLDBERG ET AL 1986	CA-MAD-1213	2-36-1	DBTG	CD	VIS	5.0	3400	14.5	2419
GOLDBERG ET AL 1986	CA-MAD-1213	2-36-2	DBTG	CD	VIS	6.9	3400	14.5	4606
GOLDBERG ET AL 1986	CA-MAD-1213	2-24-2	DBTG	CD	XRF	4.3	3400	14.5	1789
GOLDBERG ET AL 1986	CA-MAD-1213	7-8	PRJPT	CD	XRF	1.9	3400	14.5	349
GOLDBERG ET AL 1986	CA-MAD-1213	4-12	BIPOLAR C	CD	XRF	2.8	3400	14.5	758
GOLDBERG ET AL 1986	CA-MAD-1213	2-18-6	DBTG	CD	VIS	3.6	3400	14.5	1254
GOLDBERG ET AL 1986	CA-MAD-1213	3-15	BIPOLAR C	CD	XRF	4.5	3400	14.5	1959
GOLDBERG ET AL 1986	CA-MAD-1213	2-18-3	DBTG	CD	VIS	5.0	3400	14.5	2419
GOLDBERG ET AL 1986	CA-MAD-1213	2-45-4	DBTG	CD	VIS	4.5	3400	14.5	1959
GOLDBERG ET AL 1986	CA-MAD-1213	2-8-6	DBTG	CD	VIS	1.4	3400	14.5	190
GOLDBERG ET AL 1986	CA-MAD-1213	2-8-3	DBTG	CD	VIS	1.9	3400	14.5	349
GOLDBERG ET AL 1986	CA-MAD-1213	2-8-9	DBTG	CD	VIS	3.8	3400	14.5	1397
GOLDBERG ET AL 1986	CA-MAD-1213	2-18	DBTG	CD	VIS	4.8	3400	14.5	2229

Reference	Site	Id	Desc	Srce	Met	Rim	Elev	EHT	B.P.
GOLDBERG ET AL 1986	CA-MAD-1213	2-18-1	DBTG	CD	VIS	5.8	3400	14.5	3254
GOLDBERG ET AL 1986	CA-MAD-1213	2-18-2	DBTG	CD	VIS	3.8	3400	14.5	1397
GOLDBERG ET AL 1986	CA-MAD-1222	2-3-6	DBTG	CD	VIS	5.4	2830	15.8	2513
GOLDBERG ET AL 1986	CA-MAD-1222	3-6	PRJPT	CD	VIS	2.8	2830	15.8	676
GOLDBERG ET AL 1986	CA-MAD-1222	2-21-6	DBTG	CD	VIS	4.0	2830	15.8	1379
GOLDBERG ET AL 1986	CA-MAD-1222	0-1	BIFACE	CD	XRF	3.7	2830	15.8	1180
GOLDBERG ET AL 1986	CA-MAD-1222	2-3	DBTG	CD	VIS	1.0	2830	15.8	86
GOLDBERG ET AL 1986	CA-MAD-1222	2-3-2	DBTG	CD	VIS	4.2	2830	15.8	1520
GOLDBERG ET AL 1986	CA-MAD-1222	2-3-3	DBTG	CD	VIS	3.0	2830	15.8	776
GOLDBERG ET AL 1986	CA-MAD-1222	2-3-5	DBTG	CD	VIS	4.3	2830	15.8	1593
GOLDBERG ET AL 1986	CA-MAD-1222	2-3-7	DBTG	CD	VIS	4.3	2830	15.8	1593
GOLDBERG ET AL 1986	CA-MAD-1222	2-3-4	DBTG	CD	VIS	4.9	2830	15.8	2069
GOLDBERG ET AL 1986	CA-MAD-1222	7-20-3	DBTG	CD	VIS	2.3	2830	15.8	456
GOLDBERG ET AL 1986	CA-MAD-1222	2-29-9	DBTG	CD	VIS	2.0	2830	15.8	345
GOLDBERG ET AL 1986	CA-MAD-1222	2-29	DBTG	CD	VIS	1.5	2830	15.8	194
GOLDBERG ET AL 1986	CA-MAD-1222	2-23-9	DBTG	CD	VIS	2.9	2830	15.8	725
GOLDBERG ET AL 1986	CA-MAD-1222	2-23-8	DBTG	CD	VIS	4.2	2830	15.8	1520
GOLDBERG ET AL 1986	CA-MAD-1222	2-23-7	DBTG	CD	VIS	4.0	2830	15.8	1379
GOLDBERG ET AL 1986	CA-MAD-1222	2-23-6	DBTG	CD	VIS	2.3	2830	15.8	456
GOLDBERG ET AL 1986	CA-MAD-1222	2-23-4	DBTG	CD	VIS	3.5	2830	15.8	1056
GOLDBERG ET AL 1986	CA-MAD-1222	2-23-5	DBTG	CD	VIS	4.4	2830	15.8	1668
GOLDBERG ET AL 1986	CA-MAD-1222	2-21-9	DBTG	CD	VIS	3.3	2830	15.8	938
GOLDBERG ET AL 1986	CA-MAD-1222	2-29-2	DBTG	CD	VIS	1.9	2830	15.8	311
GOLDBERG ET AL 1986	CA-MAD-1222	7-20-4	DBTG	CD	VIS	5.1	2830	15.8	2242
GOLDBERG ET AL 1986	CA-MAD-1222	2-29-3	DBTG	CD	VIS	2.1	2830	15.8	380
GOLDBERG ET AL 1986	CA-MAD-1222	7-20-2	DBTG	CD	VIS	1.9	2830	15.8	311
GOLDBERG ET AL 1986	CA-MAD-1222	7-20-1	DBTG	CD	VIS	2.5	2830	15.8	539
GOLDBERG ET AL 1986	CA-MAD-1222	7-20	DBTG	CD	VIS	4.6	2830	15.8	1824
GOLDBERG ET AL 1986	CA-MAD-1222	7-11-8	DBTG	CD	XRF	4.8	2830	15.8	1986
GOLDBERG ET AL 1986	CA-MAD-1222	7-11-5	DBTG	CD	XRF	3.9	2830	15.8	1311
GOLDBERG ET AL 1986	CA-MAD-1222	7-11-4	DBTG	CD	XRF	3.9	2830	15.8	1311
GOLDBERG ET AL 1986	CA-MAD-1222	7-11-3	DBTG	CD	XRF	4.4	2830	15.8	1668
GOLDBERG ET AL 1986	CA-MAD-1222	7-11-2	DBTG	CD	XRF	3.9	2830	15.8	1311
GOLDBERG ET AL 1986	CA-MAD-1222	7-11-1	DBTG	CD	XRF	2.8	2830	15.8	676
GOLDBERG ET AL 1986	CA-MAD-1222	7-4-6	DBTG	CD	VIS	4.4	2830	15.8	1668
GOLDBERG ET AL 1986	CA-MAD-1222	2-21-5	DBTG	CD	VIS	4.0	2830	15.8	1379
GOLDBERG ET AL 1986	CA-MAD-1222	2-35	PRJPT	CD	XRF	3.4	2830	15.8	996
GOLDBERG ET AL 1986	CA-MAD-1222	6-5	BIPOLAR C	CD	XRF	3.0	2830	15.8	776
GOLDBERG ET AL 1986	CA-MAD-1222	2-29-8	DBTG	CD	VIS	2.9	2830	15.8	725
GOLDBERG ET AL 1986	CA-MAD-1222	7-20-6	DBTG	CD	VIS	4.4	2830	15.8	1668
GOLDBERG ET AL 1986	CA-MAD-1222	2-35	PRJPT	CD	XRF	1.7	2830	15.8	249
GOLDBERG ET AL 1986	CA-MAD-1222	2-15-1	DBTG	CD	VIS	3.0	2830	15.8	776
GOLDBERG ET AL 1986	CA-MAD-1222	2-23-1	DBTG	CD	VIS	4.2	2830	15.8	1520
GOLDBERG ET AL 1986	CA-MAD-1222	2-15-9	DBTG	CD	VIS	4.6	2830	15.8	1824
GOLDBERG ET AL 1986	CA-MAD-1222	2-21	DBTG	CD	VIS	3.8	2830	15.8	1244
GOLDBERG ET AL 1986	CA-MAD-1222	2-29-1	DBTG	CD	VIS	4.5	2830	15.8	1745
GOLDBERG ET AL 1986	CA-MAD-1222	2-21-4	DBTG	CD	VIS	4.1	2830	15.8	1449
GOLDBERG ET AL 1986	CA-MAD-1222	7-11-7	DBTG	CD	XRF	4.7	2830	15.8	1904
GOLDBERG ET AL 1986	CA-MAD-1222	2-21-8	DBTG	CD	VIS	4.3	2830	15.8	1593
GOLDBERG ET AL 1986	CA-MAD-1222	2-29-7	DBTG	CD	VIS	3.9	2830	15.8	1311
GOLDBERG ET AL 1986	CA-MAD-1222	2-29-6	DBTG	CD	VIS	4.1	2830	15.8	1449
GOLDBERG ET AL 1986	CA-MAD-1222	2-29-4	DBTG	CD	VIS	4.0	2830	15.8	1379
GOLDBERG ET AL 1986	CA-MAD-1222	7-4-8	DBTG	CD	VIS	2.9	2830	15.8	725
GOLDBERG ET AL 1986	CA-MAD-1222	2-23	DBTG	CD	VIS	4.2	2830	15.8	1520
GOLDBERG ET AL 1986	CA-MAD-1222	7-4	DBTG	CD	VIS	4.5	2830	15.8	1745
GOLDBERG ET AL 1986	CA-MAD-1222	2-23-2	DBTG	CD	VIS	3.7	2830	15.8	1180
GOLDBERG ET AL 1986	CA-MAD-1222	2-23-3	DBTG	CD	VIS	3.8	2830	15.8	1244
GOLDBERG ET AL 1986	CA-MAD-1222	2-21-2	DBTG	CD	VIS	4.2	2830	15.8	1520
GOLDBERG ET AL 1986	CA-MAD-1222	7-26-9	DBTG	CD	VIS	4.3	2830	15.8	1593
GOLDBERG ET AL 1986	CA-MAD-1222	7-26-2	DBTG	CD	VIS	3.6	2830	15.8	1117
GOLDBERG ET AL 1986	CA-MAD-1222	7-26-3	DBTG	CD	VIS	4.4	2830	15.8	1668
GOLDBERG ET AL 1986	CA-MAD-1222	7-22-8	DBTG	CD	VIS	4.1	2830	15.8	1449
GOLDBERG ET AL 1986	CA-MAD-1222	7-22-7	DBTG	CD	VIS	4.1	2830	15.8	1449
GOLDBERG ET AL 1986	CA-MAD-1222	7-4-9	DBTG	CD	VIS	2.1	2830	15.8	380
GOLDBERG ET AL 1986	CA-MAD-1222	2-3-9	DBTG	CD	VIS	3.6	2830	15.8	1117
GOLDBERG ET AL 1986	CA-MAD-1222	7-11-9	DBTG	CD	XRF	4.4	2830	15.8	1668
GOLDBERG ET AL 1986	CA-MAD-1222	7-26-1	DBTG	CD	VIS	3.9	2830	15.8	1311
GOLDBERG ET AL 1986	CA-MAD-1222	7-22-4	DBTG	CD	VIS	2.8	2830	15.8	676
GOLDBERG ET AL 1986	CA-MAD-1222	2-31	BIPOLAR C	CD	XRF	2.1	2830	15.8	380
GOLDBERG ET AL 1986	CA-MAD-1222	7-20-9	DBTG	CD	VIS	2.0	2830	15.8	345
GOLDBERG ET AL 1986	CA-MAD-1222	7-26-4	DBTG	CD	VIS	2.5	2830	15.8	539
GOLDBERG ET AL 1986	CA-MAD-1222	7-26-8	DBTG	CD	VIS	4.5	2830	15.8	1745
GOLDBERG ET AL 1986	CA-MAD-1222	7-22-6	DBTG	CD	VIS	3.5	2830	15.8	1056
GOLDBERG ET AL 1986	CA-MAD-1222	7-20-8	DBTG	CD	VIS	2.3	2830	15.8	456
GOLDBERG ET AL 1986	CA-MAD-1222	7-22-3	DBTG	CD	VIS	2.2	2830	15.8	417
GOLDBERG ET AL 1986	CA-MAD-1222	7-22-2	DBTG	CD	VIS	4.4	2830	15.8	1668
GOLDBERG ET AL 1986	CA-MAD-1222	7-26-7	DBTG	CD	VIS	4.1	2830	15.8	1449
GOLDBERG ET AL 1986	CA-MAD-1222	7-22-1	DBTG	CD	VIS	2.4	2830	15.8	496

Reference	Site	Id	Desc	Srce	Met	Rim	Elev	EHT	B.P.
GOLDBERG ET AL 1986	CA-MAD-1222	7-22	DBTG	CD	VIS	3.8	2830	15.8	1244
GOLDBERG ET AL 1986	CA-MAD-1222	7-26-6	DBTG	CD	VIS	2.4	2830	15.8	496
GOLDBERG ET AL 1986	CA-MAD-1222	7-20-7	DBTG	CD	VIS	2.6	2830	15.8	583
GOLDBERG ET AL 1986	CA-MAD-1222	7-26-5	DBTG	CD	VIS	3.3	2830	15.8	938
GOLDBERG ET AL 1986	CA-MAD-1222	7-20-5	DBTG	CD	VIS	3.7	2830	15.8	1180
GOLDBERG ET AL 1986	CA-MAD-1222	7-22-9	DBTG	CD	VIS	3.3	2830	15.8	938
GOLDBERG ET AL 1986	CA-MAD-1222	2-15-4	DBTG	CD	VIS	4.6	2830	15.8	1824
GOLDBERG ET AL 1986	CA-MAD-1222	2-15-5	DBTG	CD	VIS	3.1	2830	15.8	828
GOLDBERG ET AL 1986	CA-MAD-1222	2-15	DBTG	CD	VIS	2.6	2830	15.8	583
GOLDBERG ET AL 1986	CA-MAD-1222	2-15-6	DBTG	CD	VIS	4.2	2830	15.8	1520
GOLDBERG ET AL 1986	CA-MAD-1222	7-4-3	DBTG	CD	VIS	5.1	2830	15.8	2242
GOLDBERG ET AL 1986	CA-MAD-1222	7-4-2	DBTG	CD	VIS	5.8	2830	15.8	2899
GOLDBERG ET AL 1986	CA-MAD-1222	7-4-4	DBTG	CD	VIS	3.8	2830	15.8	1244
GOLDBERG ET AL 1986	CA-MAD-1222	2-15-7	DBTG	CD	VIS	3.9	2830	15.8	1311
GOLDBERG ET AL 1986	CA-MAD-1222	7-4-1	DBTG	CD	VIS	3.6	2830	15.8	1117
GOLDBERG ET AL 1986	CA-MAD-1222	7-11-10	DBTG	CD	XRF	2.9	2830	15.8	725
GOLDBERG ET AL 1986	CA-MAD-1222	2-3-8	DBTG	CD	VIS	2.4	2830	15.8	496
GOLDBERG ET AL 1986	CA-MAD-1222	2-15-2	DBTG	CD	VIS	3.9	2830	15.8	1311
GOLDBERG ET AL 1986	CA-MAD-1222	7-4-5	DBTG	CD	VIS	3.1	2830	15.8	828
GOLDBERG ET AL 1986	CA-MAD-1222	2-15-8	DBTG	CD	VIS	3.4	2830	15.8	996
GOLDBERG ET AL 1986	CA-MAD-1222	7-22-5	DBTG	CD	VIS	4.1	2830	15.8	1449
GOLDBERG ET AL 1986	CA-MAD-1222	7-26	DBTG	CD	VIS	2.0	2830	15.8	345
GOLDBERG ET AL 1986	CA-MAD-1222	2-15-3	DBTG	CD	VIS	2.9	2830	15.8	725
GOLDBERG ET AL 1986	CA-MAD-1223	5-12-7	DBTG	CD	VIS	7.2	2825	15.8	4463
GOLDBERG ET AL 1986	CA-MAD-1223	5-12-8	DBTG	CD	VIS	5.6	2825	15.8	2700
GOLDBERG ET AL 1986	CA-MAD-1223	5-12-6	DBTG	CD	VIS	6.2	2825	15.8	3309
GOLDBERG ET AL 1986	CA-MAD-1223	5-14-1	DBTG	CD	XRF	7.3	2825	15.8	4588
GOLDBERG ET AL 1986	CA-MAD-1223	5-14-2	DBTG	CD	XRF	12.8	2825	15.8	14105
GOLDBERG ET AL 1986	CA-MAD-1223	5-14-10	DBTG	CD	XRF	6.9	2825	15.8	4099
GOLDBERG ET AL 1986	CA-MAD-1223	5-7-3	DBTG	CD	VIS	5.9	2825	15.8	2997
GOLDBERG ET AL 1986	CA-MAD-1223	5-12-4	DBTG	CD	VIS	5.9	2825	15.8	2997
GOLDBERG ET AL 1986	CA-MAD-1223	5-7-4	DBTG	CD	VIS	2.2	2825	15.8	417
GOLDBERG ET AL 1986	CA-MAD-1223	5-12-1	DBTG	CD	VIS	5.8	2825	15.8	2896
GOLDBERG ET AL 1986	CA-MAD-1223	5-12-2	DBTG	CD	VIS	3.3	2825	15.8	938
GOLDBERG ET AL 1986	CA-MAD-1223	5-12	DBTG	CD	VIS	7.0	2825	15.8	4218
GOLDBERG ET AL 1986	CA-MAD-1223	5-7-9	DBTG	CD	VIS	4.1	2825	15.8	1447
GOLDBERG ET AL 1986	CA-MAD-1223	5-7-8	DBTG	CD	VIS	6.1	2825	15.8	3203
GOLDBERG ET AL 1986	CA-MAD-1223	5-7-7	DBTG	CD	VIS	7.4	2825	15.8	4714
GOLDBERG ET AL 1986	CA-MAD-1223	5-7-6	DBTG	CD	VIS	5.8	2825	15.8	2896
GOLDBERG ET AL 1986	CA-MAD-1223	5-4-5	DBTG	CD	VIS	5.2	2825	15.8	2328
GOLDBERG ET AL 1986	CA-MAD-1223	5-12-4	DBTG	CD	VIS	5.3	2825	15.8	2418
GOLDBERG ET AL 1986	CA-MAD-1223	5-4-2	DBTG	CD	VIS	6.6	2825	15.8	3750
GOLDBERG ET AL 1986	CA-MAD-1223	5-17-3	DBTG	CD	VIS	7.8	2825	15.8	5238
GOLDBERG ET AL 1986	CA-MAD-1223	5-19-4	DBTG	CD	VIS	6.6	2825	15.8	3750
GOLDBERG ET AL 1986	CA-MAD-1223	5-19-3	DBTG	CD	VIS	6.7	2825	15.8	3865
GOLDBERG ET AL 1986	CA-MAD-1223	5-19-2	DBTG	CD	VIS	6.9	2825	15.8	4099
GOLDBERG ET AL 1986	CA-MAD-1223	5-19-1	DBTG	CD	VIS	6.5	2825	15.8	3637
GOLDBERG ET AL 1986	CA-MAD-1223	5-19	DBTG	CD	VIS	5.7	2825	15.8	2797
GOLDBERG ET AL 1986	CA-MAD-1223	5-21-6	DBTG	CD	VIS	6.1	2825	15.8	3203
GOLDBERG ET AL 1986	CA-MAD-1223	5-17-7	DBTG	CD	VIS	5.5	2825	15.8	2604
GOLDBERG ET AL 1986	CA-MAD-1223	5-17-6	DBTG	CD	VIS	7.4	2825	15.8	4714
GOLDBERG ET AL 1986	CA-MAD-1223	5-19-5	DBTG	CD	VIS	5.4	2825	15.8	2510
GOLDBERG ET AL 1986	CA-MAD-1223	5-17-4	DBTG	CD	VIS	3.4	2825	15.8	995
GOLDBERG ET AL 1986	CA-MAD-1223	5-17-2	DBTG	CD	VIS	6.4	2825	15.8	3526
GOLDBERG ET AL 1986	CA-MAD-1223	5-17-1	DBTG	CD	VIS	8.3	2825	15.8	5931
GOLDBERG ET AL 1986	CA-MAD-1223	5-14-8	DBTG	CD	XRF	5.0	2825	15.8	2152
GOLDBERG ET AL 1986	CA-MAD-1223	5-14-7	DBTG	CD	XRF	5.3	2825	15.8	2418
GOLDBERG ET AL 1986	CA-MAD-1223	5-14-6	DBTG	CD	XRF	5.6	2825	15.8	2700
GOLDBERG ET AL 1986	CA-MAD-1223	5-14-5	DBTG	CD	XRF	7.0	2825	15.8	4218
GOLDBERG ET AL 1986	CA-MAD-1223	5-17-9	DBTG	CD	VIS	5.7	2825	15.8	2797
GOLDBERG ET AL 1986	CA-MAD-1223	5-4-6	DBTG	CD	VIS	2.8	2825	15.8	675
GOLDBERG ET AL 1986	CA-MAD-1223	2-10	DBTG	CD	XRF	3.7	2825	15.8	1179
GOLDBERG ET AL 1986	CA-MAD-1223	5-17-5	DBTG	CD	VIS	6.9	2825	15.8	4099
GOLDBERG ET AL 1986	CA-MAD-1223	5-4-9	DBTG	CD	VIS	7.3	2825	15.8	4588
GOLDBERG ET AL 1986	CA-MAD-1223	5-4-1	DBTG	CD	VIS	6.0	2825	15.8	3099
GOLDBERG ET AL 1986	CA-MAD-1223	5-21-5	DBTG	CD	VIS	6.9	2825	15.8	4099
GOLDBERG ET AL 1986	CA-MAD-1223	5-17	DBTG	CD	VIS	5.8	2825	15.8	2896
GOLDBERG ET AL 1986	CA-MAD-1223	5-19-6	DBTG	CD	VIS	7.3	2825	15.8	4588
GOLDBERG ET AL 1986	CA-MAD-1223	5-4-3	DBTG	CD	VIS	1.3	2825	15.8	145
GOLDBERG ET AL 1986	CA-MAD-1223	5-7-5	DBTG	CD	VIS	4.9	2825	15.8	2067
GOLDBERG ET AL 1986	CA-MAD-1223	5-4-8	DBTG	CD	VIS	2.7	2825	15.8	628
GOLDBERG ET AL 1986	CA-MAD-1223	5-7-1	DBTG	CD	VIS	6.5	2825	15.8	3637
GOLDBERG ET AL 1986	CA-MAD-1223	5-7-2	DBTG	CD	VIS	5.7	2825	15.8	2797
GOLDBERG ET AL 1986	CA-MAD-1223	5-4-4	DBTG	CD	VIS	3.2	2825	15.8	882
GOLDBERG ET AL 1986	CA-MAD-1223	5-21-3	DBTG	CD	VIS	6.0	2825	15.8	3099
GOLDBERG ET AL 1986	CA-MAD-1223	5-19-9	DBTG	CD	VIS	5.8	2825	15.8	2896
GOLDBERG ET AL 1986	CA-MAD-1223	5-4-7	DBTG	CD	VIS	7.2	2825	15.8	4463
GOLDBERG ET AL 1986	CA-MAD-1223	5-14-3	DBTG	CD	XRF	6.8	2825	15.8	3981

Reference	Site	Id	Desc	Srce	Met	Rim	Elev	EHT	B.P.
GOLDBERG ET AL 1986	CA-MAD-1223	5-19-7	DBTG	CD	VIS	6.5	2825	15.8	3637
GOLDBERG ET AL 1986	CA-MAD-1223	5-19-8	DBTG	CD	VIS	6.6	2825	15.8	3750
GOLDBERG ET AL 1986	CA-MAD-1223	5-21-2	DBTG	CD	VIS	5.9	2825	15.8	2997
GOLDBERG ET AL 1986	CA-MAD-1223	5-21-1	DBTG	CD	VIS	6.2	2825	15.8	3309
GOLDBERG ET AL 1986	CA-MAD-1223	5-17-8	DBTG	CD	VIS	6.2	2825	15.8	3309
GOLDBERG ET AL 1986	CA-MAD-1223	5-14-4	DBTG	CD	XRF	6.1	2825	15.8	3203
GOLDBERG ET AL 1986	CA-MAD-1223	5-21-4	DBTG	CD	VIS	4.4	2825	15.8	1667
GOLDBERG ET AL 1986	CA-MAD-223	2-18-2	DBTG	CD	VIS	4.3	3380	14.6	1782
GOLDBERG ET AL 1986	CA-MAD-223	20-?	PRJPT	CD	XRF	4.3	3380	14.6	1782
GOLDBERG ET AL 1986	CA-MAD-223	2-8-5	DBTG	CD	VIS	4.7	3380	14.6	2129
GOLDBERG ET AL 1986	CA-MAD-223	2-004	DBTG	CD	VIS	4.5	3380	14.6	1951
GOLDBERG ET AL 1986	CA-MAD-223	2-4-1	PRJPT	CD	VIS	2.5	3380	14.6	602
GOLDBERG ET AL 1986	CA-MAD-223	2-4-1	PRJPT	CD	VIS	2.3	3380	14.6	510
GOLDBERG ET AL 1986	CA-MAD-223	2-2-1	PRJPT	CD	XRF	1.3	3380	14.6	163
GOLDBERG ET AL 1986	CA-MAD-223	2-2-1	PRJPT	CD	XRF	1.2	3380	14.6	139
GOLDBERG ET AL 1986	CA-MAD-223	2-4-1	DBTG	CD	VIS	4.5	3380	14.6	1951
GOLDBERG ET AL 1986	CA-MAD-223	2-4-1	PRJPT	CD	VIS	2.4	3380	14.6	555
GOLDBERG ET AL 1986	CA-MAD-223	2-2-2	PRJPT	CD	XRF	2.5	3380	14.6	602
GOLDBERG ET AL 1986	CA-MAD-223	2-1-1	PRJPT	CD	XRF	2.3	3380	14.6	510
GOLDBERG ET AL 1986	CA-MAD-223	L1-18-1	PRJPT	CD	XRF	1.4	3380	14.6	189
GOLDBERG ET AL 1986	CA-MAD-223	2-4-2	DBTG	CD	VIS	4.4	3380	14.6	1866
GOLDBERG ET AL 1986	CA-MAD-223	2-4-3	DBTG	CD	VIS	7.5	3380	14.6	5420
GOLDBERG ET AL 1986	CA-MAD-223	2-4-4	DBTG	CD	VIS	3.9	3380	14.6	1466
GOLDBERG ET AL 1986	CA-MAD-223	2-4-5	DBTG	CD	VIS	2.5	3380	14.6	602
GOLDBERG ET AL 1986	CA-MAD-223	2-4-6	DBTG	CD	VIS	5.3	3380	14.6	2707
GOLDBERG ET AL 1986	CA-MAD-223	2-4-7	DBTG	CD	VIS	2.6	3380	14.6	651
GOLDBERG ET AL 1986	CA-MAD-223	2-4-8	DBTG	CD	VIS	6.8	3380	14.6	4456
GOLDBERG ET AL 1986	CA-MAD-223	2-4-9	DBTG	CD	VIS	6.8	3380	14.6	4456
GOLDBERG ET AL 1986	CA-MAD-223	2-8-2	DBTG	CD	VIS	2.7	3380	14.6	702
GOLDBERG ET AL 1986	CA-MAD-223	2-16-6	DBTG	CD	VIS	5.7	3380	14.6	3131
GOLDBERG ET AL 1986	CA-MAD-223	2-18-3	DBTG	CD	VIS	4.1	3380	14.6	1620
GOLDBERG ET AL 1986	CA-MAD-223	2-1-1	PRJPT	CD	XRF	1.1	3380	14.6	117
GOLDBERG ET AL 1986	CA-MAD-223	2-11-4	DBTG	CD	VIS	4.5	3380	14.6	1951
GOLDBERG ET AL 1986	CA-MAD-223	2-8	DBTG	CD	VIS	2.7	3380	14.6	702
GOLDBERG ET AL 1986	CA-MAD-223	2-13-3	DBTG	CD	VIS	2.1	3380	14.6	425
GOLDBERG ET AL 1986	CA-MAD-223	2-8-9	DBTG	CD	VIS	5.0	3380	14.6	2409
GOLDBERG ET AL 1986	CA-MAD-223	2-18-1	DBTG	CD	VIS	4.1	3380	14.6	1620
GOLDBERG ET AL 1986	CA-MAD-223	2-13	DBTG	CD	VIS	4.5	3380	14.6	1951
GOLDBERG ET AL 1986	CA-MAD-223	2-8-8	DBTG	CD	VIS	4.4	3380	14.6	1866
GOLDBERG ET AL 1986	CA-MAD-223	2-11	DBTG	CD	VIS	5.1	3380	14.6	2506
GOLDBERG ET AL 1986	CA-MAD-223	2-1-1	DBTG	CD	VIS	4.0	3380	14.6	1542
GOLDBERG ET AL 1986	CA-MAD-223	2-11-2	DBTG	CD	VIS	4.5	3380	14.6	1951
GOLDBERG ET AL 1986	CA-MAD-223	2-11-3	DBTG	CD	VIS	4.5	3380	14.6	1951
GOLDBERG ET AL 1986	CA-MAD-223	2-11-5	DBTG	CD	VIS	5.0	3380	14.6	2409
GOLDBERG ET AL 1986	CA-MAD-223	2-11-7	DBTG	CD	VIS	4.8	3380	14.6	2220
GOLDBERG ET AL 1986	CA-MAD-223	2-8-4	DBTG	CD	VIS	5.8	3380	14.6	3242
GOLDBERG ET AL 1986	CA-MAD-223	2-11-9	DBTG	CD	VIS	4.6	3380	14.6	2039
GOLDBERG ET AL 1986	CA-MAD-223	2-11-6	DBTG	CD	VIS	5.2	3380	14.6	2606
GOLDBERG ET AL 1986	CA-MAD-223	2-13-2	DBTG	CD	VIS	4.3	3380	14.6	1782
GOLDBERG ET AL 1986	CA-MAD-223	2-4-1	PRJPT	CD	VIS	4.2	3380	14.6	1700
GOLDBERG ET AL 1986	CA-MAD-223	2-13-4	DBTG	CD	VIS	3.2	3380	14.6	987
GOLDBERG ET AL 1986	CA-MAD-223	2-13-5	DBTG	CD	VIS	3.6	3380	14.6	1249
GOLDBERG ET AL 1986	CA-MAD-223	2-13-6	DBTG	CD	VIS	8.7	3380	14.6	7294
GOLDBERG ET AL 1986	CA-MAD-223	2-13-7	DBTG	CD	VIS	5.7	3380	14.6	3131
GOLDBERG ET AL 1986	CA-MAD-223	2-13-8	DBTG	CD	VIS	5.6	3380	14.6	3022
GOLDBERG ET AL 1986	CA-MAD-223	2-16	DBTG	CD	VIS	4.6	3380	14.6	2039
GOLDBERG ET AL 1986	CA-MAD-223	2-16-1	DBTG	CD	VIS	4.1	3380	14.6	1620
GOLDBERG ET AL 1986	CA-MAD-223	2-16-2	DBTG	CD	VIS	6.2	3380	14.6	3704
GOLDBERG ET AL 1986	CA-MAD-223	2-16-3	DBTG	CD	VIS	5.0	3380	14.6	2409
GOLDBERG ET AL 1986	CA-MAD-223	2-16-4	DBTG	CD	VIS	5.7	3380	14.6	3131
GOLDBERG ET AL 1986	CA-MAD-223	2-16-5	DBTG	CD	VIS	4.7	3380	14.6	2129
GOLDBERG ET AL 1986	CA-MAD-223	2-11-8	DBTG	CD	VIS	4.6	3380	14.6	2039
GOLDBERG ET AL 1986	CA-MAD-223	2-8-3	DBTG	CD	VIS	4.2	3380	14.6	1700
GOLDBERG ET AL 1986	CA-MAD-223	2-8-6	DBTG	CD	VIS	4.2	3380	14.6	1700
GOLDBERG ET AL 1986	CA-MAD-226	2-30-1	DBTG	CD	VIS	2.8	3370	14.6	754
GOLDBERG ET AL 1986	CA-MAD-226	2-9	PRJPT	CD	XRF	5.3	3370	14.6	2702
GOLDBERG ET AL 1986	CA-MAD-226	2-9	PRJPT	CD	XRF	4.1	3370	14.6	1617
GOLDBERG ET AL 1986	CA-MAD-226	2-21	PRJPT	CD	XRF	2.6	3370	14.6	650
GOLDBERG ET AL 1986	CA-MAD-226	2-11-1	DBTG	CD	XRF	4.4	3370	14.6	1862
GOLDBERG ET AL 1986	CA-MAD-226	2-11-2	DBTG	CD	XRF	1.7	3370	14.6	278
GOLDBERG ET AL 1986	CA-MAD-226	2-11-3	DBTG	CD	XRF	2.5	3370	14.6	601
GOLDBERG ET AL 1986	CA-MAD-226	2-11-6	DBTG	CD	XRF	4.8	3370	14.6	2216
GOLDBERG ET AL 1986	CA-MAD-226	2-11-8	DBTG	CD	XRF	1.1	3370	14.6	116
GOLDBERG ET AL 1986	CA-MAD-226	2-30-7	DBTG	CD	VIS	3.9	3370	14.6	1463
GOLDBERG ET AL 1986	CA-MAD-226	2-30-4	DBTG	CD	VIS	1.1	3370	14.6	116
GOLDBERG ET AL 1986	CA-MAD-226	2-30-1	DBTG	CD	VIS	1.1	3370	14.6	116
GOLDBERG ET AL 1986	CA-MAD-226	2-30-2	DBTG	CD	VIS	3.3	3370	14.6	1047
GOLDBERG ET AL 1986	CA-MAD-226	3-2-2	PRJPT	CD	XRF	1.0	3370	14.6	96

Reference	Site	Id	Desc	Srce	Met	Rim	Elev	EHT	B.P.
GOLDBERG ET AL 1986	CA-MAD-226	2-20-1	DBTG	CD	XRF	1.9	3370	14.6	347
GOLDBERG ET AL 1986	CA-MAD-226	2-30	DBTG	CD	VIS	2.9	3370	14.6	809
GOLDBERG ET AL 1986	CA-MAD-226	2-20-1	DBTG	CD	XRF	2.4	3370	14.6	554
GOLDBERG ET AL 1986	CA-MAD-226	2-20-8	DBTG	CD	XRF	2.4	3370	14.6	554
GOLDBERG ET AL 1986	CA-MAD-226	2-20-6	DBTG	CD	XRF	4.0	3370	14.6	1539
GOLDBERG ET AL 1986	CA-MAD-226	2-20-5	DBTG	CD	XRF	2.5	3370	14.6	601
GOLDBERG ET AL 1986	CA-MAD-226	2-20-4	DBTG	CD	XRF	2.3	3370	14.6	509
GOLDBERG ET AL 1986	CA-MAD-226	2-20-3	DBTG	CD	XRF	2.8	3370	14.6	754
GOLDBERG ET AL 1986	CA-MAD-226	2-30-6	DBTG	CD	VIS	1.1	3370	14.6	116
GOLDBERG ET AL 1986	CA-MAD-226	2-11-7	DBTG	CD	XRF	1.1	3370	14.6	116
GOLDBERG ET AL 1986	CA-MAD-226	3-30-3	DBTG	CD	VIS	5.7	3370	14.6	3125
GOLDBERG ET AL 1986	CA-MAD-226	2-35-8	DBTG	CD	VIS	2.5	3370	14.6	601
GOLDBERG ET AL 1986	CA-MAD-226	2-11-5	DBTG	CD	XRF	3.2	3370	14.6	985
GOLDBERG ET AL 1986	CA-MAD-226	2-39-1	DBTG	CD	VIS	4.1	3370	14.6	1617
GOLDBERG ET AL 1986	CA-MAD-226	2-30-8	DBTG	CD	VIS	4.2	3370	14.6	1697
GOLDBERG ET AL 1986	CA-MAD-226	2-30-8	DBTG	CD	VIS	7.4	3370	14.6	5267
GOLDBERG ET AL 1986	CA-MAD-226	2-30-9	DBTG	CD	VIS	3.0	3370	14.6	866
GOLDBERG ET AL 1986	CA-MAD-226	2-35	DBTG	CD	VIS	3.6	3370	14.6	1246
GOLDBERG ET AL 1986	CA-MAD-226	2-35-1	DBTG	CD	VIS	3.7	3370	14.6	1317
GOLDBERG ET AL 1986	CA-MAD-226	2-35-2	DBTG	CD	VIS	4.0	3370	14.6	1539
GOLDBERG ET AL 1986	CA-MAD-226	2-35-3	DBTG	CD	VIS	3.3	3370	14.6	1047
GOLDBERG ET AL 1986	CA-MAD-226	2-35-4	DBTG	CD	VIS	2.3	3370	14.6	509
GOLDBERG ET AL 1986	CA-MAD-226	2-35-5	DBTG	CD	VIS	4.6	3370	14.6	2035
GOLDBERG ET AL 1986	CA-MAD-226	2-20-2	DBTG	CD	XRF	4.0	3370	14.6	1539
GOLDBERG ET AL 1986	CA-MAD-226	2-35-7	DBTG	CD	VIS	4.2	3370	14.6	1697
GOLDBERG ET AL 1986	CA-MAD-226	2-35-9	DBTG	CD	VIS	4.1	3370	14.6	1617
GOLDBERG ET AL 1986	CA-MAD-226	2-39	DBTG	CD	VIS	3.4	3370	14.6	1112
GOLDBERG ET AL 1986	CA-MAD-226	2-30-5	DBTG	CD	VIS	2.2	3370	14.6	465
GOLDBERG ET AL 1986	CA-MAD-226	2-39-1	DBTG	CD	VIS	6.2	3370	14.6	3697
GOLDBERG ET AL 1986	CA-MAD-226	2-39-2	DBTG	CD	VIS	4.1	3370	14.6	1617
GOLDBERG ET AL 1986	CA-MAD-226	2-39-3	DBTG	CD	VIS	2.8	3370	14.6	754
GOLDBERG ET AL 1986	CA-MAD-226	2-39-4	DBTG	CD	VIS	2.7	3370	14.6	701
GOLDBERG ET AL 1986	CA-MAD-226	2-39-5	DBTG	CD	VIS	3.5	3370	14.6	1178
GOLDBERG ET AL 1986	CA-MAD-226	2-39-6	DBTG	CD	VIS	3.6	3370	14.6	1246
GOLDBERG ET AL 1986	CA-MAD-226	2-39-7	DBTG	CD	VIS	2.3	3370	14.6	509
GOLDBERG ET AL 1986	CA-MAD-226	2-39-8	DBTG	CD	VIS	3.2	3370	14.6	985
GOLDBERG ET AL 1986	CA-MAD-226	2-20-9	DBTG	CD	XRF	1.9	3370	14.6	347
GOLDBERG ET AL 1986	CA-MAD-226	2-35-6	DBTG	CD	VIS	4.5	3370	14.6	1948
GOLDBERG ET AL 1986	CA-MAD-226	2-11-9	DBTG	CD	XRF	1.1	3370	14.6	116
GOLDBERG ET AL 1986	CA-MAD-387	5-12-2	DBTG	CD	VIS	3.3	3400	14.5	1054
GOLDBERG ET AL 1986	CA-MAD-387	5-15-4	DBTG	CD	VIS	4.4	3400	14.5	1873
GOLDBERG ET AL 1986	CA-MAD-387	5-15-5	DBTG	CD	VIS	4.6	3400	14.5	2047
GOLDBERG ET AL 1986	CA-MAD-387	5-15-6	DBTG	CD	VIS	2.3	3400	14.5	512
GOLDBERG ET AL 1986	CA-MAD-387	5-15-7	DBTG	CD	VIS	4.8	3400	14.5	2229
GOLDBERG ET AL 1986	CA-MAD-387	5-15-8	DBTG	CD	VIS	4.1	3400	14.5	1626
GOLDBERG ET AL 1986	CA-MAD-387	5-15-9	DBTG	CD	VIS	4.1	3400	14.5	1626
GOLDBERG ET AL 1986	CA-MAD-387	2-12-2	DBTG	CD	VIS	5.6	3400	14.5	3034
GOLDBERG ET AL 1986	CA-MAD-387	5-27-1	DBTG	CD	VIS	4.0	3400	14.5	1548
GOLDBERG ET AL 1986	CA-MAD-387	5-56-2	DBTG	CD	VIS	5.0	3400	14.5	2419
GOLDBERG ET AL 1986	CA-MAD-387	2-14-4	DBTG	CD	VIS	5.7	3400	14.5	3143
GOLDBERG ET AL 1986	CA-MAD-387	2-19	DBTG	CD	VIS	5.7	3400	14.5	3143
GOLDBERG ET AL 1986	CA-MAD-387	2-12	DBTG	CD	XRF	3.7	3400	14.5	1324
GOLDBERG ET AL 1986	CA-MAD-387	2-12-1	DBTG	CD	VIS	5.6	3400	14.5	3034
GOLDBERG ET AL 1986	CA-MAD-387	5-45-8	DBTG	CD	VIS	2.2	3400	14.5	468
GOLDBERG ET AL 1986	CA-MAD-387	5-27	DBTG	CD	VIS	1.3	3400	14.5	163
GOLDBERG ET AL 1986	CA-MAD-387	5-22	PRJPT	CD	XRF	2.8	3400	14.5	758
GOLDBERG ET AL 1986	CA-MAD-387	2-5-4	DBTG	CD	VIS	5.6	3400	14.5	3034
GOLDBERG ET AL 1986	CA-MAD-387	5-15-1	DBTG	CD	VIS	4.7	3400	14.5	2137
GOLDBERG ET AL 1986	CA-MAD-387	5-51-8	DBTG	CD	XRF	4.6	3400	14.5	2047
GOLDBERG ET AL 1986	CA-MAD-387	2-3-7	DBTG	CD	VIS	4.4	3400	14.5	1873
GOLDBERG ET AL 1986	CA-MAD-387	2-9	PRJPT	CD	XRF	3.8	3400	14.5	1397
GOLDBERG ET AL 1986	CA-MAD-387	5-15-3	DBTG	CD	VIS	6.5	3400	14.5	4087
GOLDBERG ET AL 1986	CA-MAD-387	4-25	PRJPT	CD	XRF	3.9	3400	14.5	1471
GOLDBERG ET AL 1986	CA-MAD-387	5-56-1	DBTG	CD	VIS	4.4	3400	14.5	1873
GOLDBERG ET AL 1986	CA-MAD-387	5-22	PRJPT	CD	XRF	2.9	3400	14.5	814
GOLDBERG ET AL 1986	CA-MAD-387	2-7-6	DBTG	CD	VIS	3.1	3400	14.5	930
GOLDBERG ET AL 1986	CA-MAD-387	5-56-6	DBTG	CD	VIS	3.6	3400	14.5	1254
GOLDBERG ET AL 1986	CA-MAD-387	5-56-5	DBTG	CD	VIS	4.0	3400	14.5	1548
GOLDBERG ET AL 1986	CA-MAD-387	5-56-3	DBTG	CD	VIS	4.1	3400	14.5	1626
GOLDBERG ET AL 1986	CA-MAD-387	2-12-3	DBTG	CD	VIS	5.1	3400	14.5	2516
GOLDBERG ET AL 1986	CA-MAD-387	5-15-2	DBTG	CD	VIS	4.4	3400	14.5	1873
GOLDBERG ET AL 1986	CA-MAD-387	5-53-2	DBTG	CD	VIS	4.5	3400	14.5	1959
GOLDBERG ET AL 1986	CA-MAD-387	6-23	PRJPT	CD	XRF	2.5	3400	14.5	605
GOLDBERG ET AL 1986	CA-MAD-387	6-24	FLKTL	CD	XRF	1.3	3400	14.5	163
GOLDBERG ET AL 1986	CA-MAD-387	6-24	FLKTL	CD	XRF	3.0	3400	14.5	871
GOLDBERG ET AL 1986	CA-MAD-387	2-14-2	DBTG	CD	VIS	4.3	3400	14.5	1789
GOLDBERG ET AL 1986	CA-MAD-387	2-3	DBTG	CD	VIS	1.4	3400	14.5	190
GOLDBERG ET AL 1986	CA-MAD-387	2	PRJPT	CD	XRF	2.3	3400	14.5	512

Reference	Site	Id	Desc	Srce	Met	Rim	Elev	EHT	B.P.
GOLDBERG ET AL 1986	CA-MAD-387	5-53-1	DBTG	CD	VIS	5.4	3400	14.5	2821
GOLDBERG ET AL 1986	CA-MAD-387	3-20	BIPOLAR C	CD	XRF	1.4	3400	14.5	190
GOLDBERG ET AL 1986	CA-MAD-387	5-53-3	DBTG	CD	VIS	4.8	3400	14.5	2229
GOLDBERG ET AL 1986	CA-MAD-387	5-53-5	DBTG	CD	VIS	3.7	3400	14.5	1324
GOLDBERG ET AL 1986	CA-MAD-387	5-53-6	DBTG	CD	VIS	9.0	3400	14.5	7836
GOLDBERG ET AL 1986	CA-MAD-387	5-53-7	DBTG	CD	VIS	4.2	3400	14.5	1707
GOLDBERG ET AL 1986	CA-MAD-387	5-56	DBTG	CD	VIS	4.3	3400	14.5	1789
GOLDBERG ET AL 1986	CA-MAD-387	8-36	BIPOLAR C	CD	XRF	3.2	3400	14.5	991
GOLDBERG ET AL 1986	CA-MAD-387	2-14-3	DBTG	CD	VIS	4.5	3400	14.5	1959
GOLDBERG ET AL 1986	CA-MAD-387	5-51-7	DBTG	CD	XRF	2.3	3400	14.5	512
GOLDBERG ET AL 1986	CA-MAD-387	2-12-4	DBTG	CD	VIS	4.3	3400	14.5	1789
GOLDBERG ET AL 1986	CA-MAD-387	2-12-5	DBTG	CD	VIS	5.2	3400	14.5	2616
GOLDBERG ET AL 1986	CA-MAD-387	2-12-6	DBTG	CD	VIS	5.2	3400	14.5	2616
GOLDBERG ET AL 1986	CA-MAD-387	2-12-7	DBTG	CD	VIS	4.7	3400	14.5	2137
GOLDBERG ET AL 1986	CA-MAD-387	2-12-8	DBTG	CD	VIS	3.8	3400	14.5	1397
GOLDBERG ET AL 1986	CA-MAD-387	2-12-9	DBTG	CD	VIS	5.0	3400	14.5	2419
GOLDBERG ET AL 1986	CA-MAD-387	5-33	PRJPT	CD	XRF	2.1	3400	14.5	427
GOLDBERG ET AL 1986	CA-MAD-387	2-14-1	DBTG	CD	VIS	3.7	3400	14.5	1324
GOLDBERG ET AL 1986	CA-MAD-387	5-21	PRJPT	CD	XRF	1.8	3400	14.5	313
GOLDBERG ET AL 1986	CA-MAD-387	8-62	BIPOLAR C	CD	XRF	1.2	3400	14.5	139
GOLDBERG ET AL 1986	CA-MAD-387	8-42	PRJPT	CD	XRF	4.3	3400	14.5	1789
GOLDBERG ET AL 1986	CA-MAD-387	5-18	PRJPT	CD	VIS	1.4	3400	14.5	190
GOLDBERG ET AL 1986	CA-MAD-387	2-19-1	DBTG	CD	VIS	4.9	3400	14.5	2323
GOLDBERG ET AL 1986	CA-MAD-387	2-19-3	DBTG	CD	VIS	5.8	3400	14.5	3254
GOLDBERG ET AL 1986	CA-MAD-387	2-5-3	DBTG	CD	VIS	5.3	3400	14.5	2717
GOLDBERG ET AL 1986	CA-MAD-387	2-14	DBTG	CD	VIS	4.8	3400	14.5	2229
GOLDBERG ET AL 1986	CA-MAD-387	5-51-2	DBTG	CD	XRF	4.4	3400	14.5	1873
GOLDBERG ET AL 1986	CA-MAD-387	5-27-8	DBTG	CD	VIS	3.1	3400	14.5	930
GOLDBERG ET AL 1986	CA-MAD-387	5-27-7	DBTG	CD	VIS	5.0	3400	14.5	2419
GOLDBERG ET AL 1986	CA-MAD-387	5-27-6	DBTG	CD	VIS	5.0	3400	14.5	2419
GOLDBERG ET AL 1986	CA-MAD-387	8-36	BIPOLAR C	CD	XRF	4.4	3400	14.5	1873
GOLDBERG ET AL 1986	CA-MAD-387	5-45	DBTG	CD	VIS	4.2	3400	14.5	1707
GOLDBERG ET AL 1986	CA-MAD-387	2-5-2	DBTG	CD	VIS	3.1	3400	14.5	930
GOLDBERG ET AL 1986	CA-MAD-387	5-51-1	DBTG	CD	XRF	3.4	3400	14.5	1118
GOLDBERG ET AL 1986	CA-MAD-387	5-37-2	DBTG	CD	VIS	3.3	3400	14.5	1054
GOLDBERG ET AL 1986	CA-MAD-387	5-51-4	DBTG	CD	XRF	3.9	3400	14.5	1471
GOLDBERG ET AL 1986	CA-MAD-387	5-51-5	DBTG	CD	XRF	5.6	3400	14.5	3034
GOLDBERG ET AL 1986	CA-MAD-387	5-51-6	DBTG	CD	XRF	5.6	3400	14.5	3034
GOLDBERG ET AL 1986	CA-MAD-387	2-7-1	DBTG	CD	VIS	4.8	3400	14.5	2229
GOLDBERG ET AL 1986	CA-MAD-387	2-7	DBTG	CD	VIS	3.4	3400	14.5	1118
GOLDBERG ET AL 1986	CA-MAD-387	5-12-4	DBTG	CD	VIS	5.5	3400	14.5	2926
GOLDBERG ET AL 1986	CA-MAD-387	5-45-9	DBTG	CD	VIS	4.8	3400	14.5	2229
GOLDBERG ET AL 1986	CA-MAD-387	5-27-4	DBTG	CD	VIS	5.2	3400	14.5	2616
GOLDBERG ET AL 1986	CA-MAD-387	5-45-6	DBTG	CD	VIS	4.7	3400	14.5	2137
GOLDBERG ET AL 1986	CA-MAD-387	5-45-5	DBTG	CD	VIS	3.2	3400	14.5	991
GOLDBERG ET AL 1986	CA-MAD-387	5-45-4	DBTG	CD	VIS	4.6	3400	14.5	2047
GOLDBERG ET AL 1986	CA-MAD-387	5-45-3	DBTG	CD	VIS	3.2	3400	14.5	991
GOLDBERG ET AL 1986	CA-MAD-387	5-45-2	DBTG	CD	VIS	2.1	3400	14.5	427
GOLDBERG ET AL 1986	CA-MAD-387	5-45-1	DBTG	CD	VIS	5.3	3400	14.5	2717
GOLDBERG ET AL 1986	CA-MAD-387	5-37	DBTG	CD	VIS	1.6	3400	14.5	248
GOLDBERG ET AL 1986	CA-MAD-387	5-37-9	DBTG	CD	VIS	4.7	3400	14.5	2137
GOLDBERG ET AL 1986	CA-MAD-387	5-37-1	DBTG	CD	VIS	4.7	3400	14.5	2137
GOLDBERG ET AL 1986	CA-MAD-387	5-37-7	DBTG	CD	VIS	5.0	3400	14.5	2419
GOLDBERG ET AL 1986	CA-MAD-387	5-37-6	DBTG	CD	VIS	6.1	3400	14.5	3600
GOLDBERG ET AL 1986	CA-MAD-387	5-37-5	DBTG	CD	VIS	7.0	3400	14.5	4740
GOLDBERG ET AL 1986	CA-MAD-387	5-37-4	DBTG	CD	VIS	5.0	3400	14.5	2419
GOLDBERG ET AL 1986	CA-MAD-387	5-37-3	DBTG	CD	VIS	2.6	3400	14.5	654
GOLDBERG ET AL 1986	CA-MAD-387	5-39	PRJPT	CD	XRF	3.0	3400	14.5	871
GOLDBERG ET AL 1986	CA-MAD-387	5-27-3	DBTG	CD	VIS	4.5	3400	14.5	1959
GOLDBERG ET AL 1986	CA-MAD-387	2-3-2	DBTG	CD	VIS	2.1	3400	14.5	427
GOLDBERG ET AL 1986	CA-MAD-387	5-39	PRJPT	CD	XRF	3.3	3400	14.5	1054
GOLDBERG ET AL 1986	CA-MAD-387	8-31	BIPOLAR C	CD	XRF	4.4	3400	14.5	1873
GOLDBERG ET AL 1986	CA-MAD-387	5-37-8	DBTG	CD	VIS	4.0	3400	14.5	1548
GOLDBERG ET AL 1986	CA-MAD-387	5-15	DBTG	CD	VIS	4.0	3400	14.5	1548
GOLDBERG ET AL 1986	CA-MAD-387	2-14-8	DBTG	CD	VIS	5.2	3400	14.5	2616
GOLDBERG ET AL 1986	CA-MAD-387	2-5-1	DBTG	CD	VIS	3.0	3400	14.5	871
GOLDBERG ET AL 1986	CA-MAD-387	5-12-3	DBTG	CD	VIS	2.3	3400	14.5	512
GOLDBERG ET AL 1986	CA-MAD-387	2-3-1	DBTG	CD	VIS	5.8	3400	14.5	3254
GOLDBERG ET AL 1986	CA-MAD-387	5-53	DBTG	CD	VIS	5.6	3400	14.5	3034
GOLDBERG ET AL 1986	CA-MAD-387	2-3-3	DBTG	CD	VIS	4.4	3400	14.5	1873
GOLDBERG ET AL 1986	CA-MAD-387	2-3-4	DBTG	CD	VIS	4.5	3400	14.5	1959
GOLDBERG ET AL 1986	CA-MAD-387	2-3-6	DBTG	CD	VIS	5.0	3400	14.5	2419
GOLDBERG ET AL 1986	CA-MAD-387	5-56-8	DBTG	CD	VIS	4.3	3400	14.5	1789
GOLDBERG ET AL 1986	CA-MAD-387	2-5	DBTG	CD	VIS	3.1	3400	14.5	930
GOLDBERG ET AL 1986	CA-MAD-387	5-56-7	DBTG	CD	VIS	8.6	3400	14.5	7155
GOLDBERG ET AL 1986	CA-MAD-387	2-7-4	DBTG	CD	VIS	4.5	3400	14.5	1959
GOLDBERG ET AL 1986	CA-MAD-387	2-14-5	DBTG	CD	VIS	5.7	3400	14.5	3143
GOLDBERG ET AL 1986	CA-MAD-387	21-1	PRJPT	CD	XRF	2.7	3400	14.5	705

Reference	Site	Id	Desc	Srce	Met	Rim	Elev	EHT	B.P.
GOLDBERG ET AL 1986	CA-MAD-387	8-2	PRJPT	CD	XRF	4.2	3400	14.5	1707
GOLDBERG ET AL 1986	CA-MAD-387	8-2	PRJPT	CD	XRF	4.7	3400	14.5	2137
GOLDBERG ET AL 1986	CA-MAD-387	5-1	DBTG	CD	VIS	4.7	3400	14.5	2137
GOLDBERG ET AL 1986	CA-MAD-387	5-12-5	DBTG	CD	VIS	1.2	3400	14.5	139
GOLDBERG ET AL 1986	CA-MAD-387	5-1-2	DBTG	CD	VIS	5.4	3400	14.5	2821
GOLDBERG ET AL 1986	CA-MAD-387	5-27-5	DBTG	CD	VIS	5.6	3400	14.5	3034
GOLDBERG ET AL 1986	CA-MAD-387	5-1-3	DBTG	CD	VIS	5.4	3400	14.5	2821
GOLDBERG ET AL 1986	CA-MAD-387	5-5	DBTG	CD	VIS	9.4	3400	14.5	8548
GOLDBERG ET AL 1986	CA-MAD-387	2-14-6	DBTG	CD	VIS	4.7	3400	14.5	2137
GOLDBERG ET AL 1986	CA-MAD-387	5-12	DBTG	CD	VIS	1.5	3400	14.5	218
GOLDBERG ET AL 1986	CA-MAD-387	2-14-7	DBTG	CD	VIS	4.6	3400	14.5	2047
GOLDBERG ET AL 1986	CA-MAD-387	5-12-1	DBTG	CD	VIS	1.4	3400	14.5	190
GOLDBERG ET AL 1986	CA-MAD-387	5-1-1	DBTG	CD	VIS	5.4	3400	14.5	2821
GOLDBERG ET AL 1986	CA-MAD-397	7-18-8	DBTG	CD	VIS	1.5	3440	14.4	219
GOLDBERG ET AL 1986	CA-MAD-397	7-28-5	DBTG	CD	XRF	3.7	3440	14.4	1335
GOLDBERG ET AL 1986	CA-MAD-397	3-6	DBTG	CD	VIS	2.6	3440	14.4	659
GOLDBERG ET AL 1986	CA-MAD-397	7-28-2	DBTG	CD	XRF	2.5	3440	14.4	609
GOLDBERG ET AL 1986	CA-MAD-397	7-28-3	DBTG	CD	XRF	4.2	3440	14.4	1720
GOLDBERG ET AL 1986	CA-MAD-397	7-28-4	DBTG	CD	XRF	3.6	3440	14.4	1264
GOLDBERG ET AL 1986	CA-MAD-397	7-24-2	DBTG	CD	VIS	4.5	3440	14.4	1974
GOLDBERG ET AL 1986	CA-MAD-397	7-28-6	DBTG	CD	XRF	2.7	3440	14.4	711
GOLDBERG ET AL 1986	CA-MAD-397	7-18	DBTG	CD	VIS	1.6	3440	14.4	250
GOLDBERG ET AL 1986	CA-MAD-397	7-24-8	DBTG	CD	VIS	2.9	3440	14.4	820
GOLDBERG ET AL 1986	CA-MAD-397	7-24-7	DBTG	CD	VIS	5.0	3440	14.4	2437
GOLDBERG ET AL 1986	CA-MAD-397	7-24-6	DBTG	CD	VIS	4.6	3440	14.4	2063
GOLDBERG ET AL 1986	CA-MAD-397	7-6-9	DBTG	CD	VIS	2.8	3440	14.4	764
GOLDBERG ET AL 1986	CA-MAD-397	7-24-4	DBTG	CD	VIS	5.5	3440	14.4	2949
GOLDBERG ET AL 1986	CA-MAD-397	3-13-8	DBTG	CD	VIS	4.5	3440	14.4	1974
GOLDBERG ET AL 1986	CA-MAD-397	7-24	DBTG	CD	VIS	2.3	3440	14.4	516
GOLDBERG ET AL 1986	CA-MAD-397	7-18-9	DBTG	CD	VIS	4.5	3440	14.4	1974
GOLDBERG ET AL 1986	CA-MAD-397	7-18-6	DBTG	CD	VIS	4.2	3440	14.4	1720
GOLDBERG ET AL 1986	CA-MAD-397	3-13-7	DBTG	CD	VIS	7.3	3440	14.4	5196
GOLDBERG ET AL 1986	CA-MAD-397	7-18-2	DBTG	CD	VIS	3.1	3440	14.4	937
GOLDBERG ET AL 1986	CA-MAD-397	7-28-1	DBTG	CD	XRF	3.3	3440	14.4	1062
GOLDBERG ET AL 1986	CA-MAD-397	7-24-5	DBTG	CD	VIS	3.6	3440	14.4	1264
GOLDBERG ET AL 1986	CA-MAD-397	3-17-4	DBTG	CD	VIS	7.1	3440	14.4	4915
GOLDBERG ET AL 1986	CA-MAD-397	6-12	PRJPT	CD	XRF	2.3	3440	14.4	516
GOLDBERG ET AL 1986	CA-MAD-397	3-8	PRJPT	CD	XRF	1.9	3440	14.4	352
GOLDBERG ET AL 1986	CA-MAD-397	3-13-6	DBTG	CD	VIS	3.3	3440	14.4	1062
GOLDBERG ET AL 1986	CA-MAD-397	3-21	DBTG	CD	VIS	4.9	3440	14.4	2341
GOLDBERG ET AL 1986	CA-MAD-397	3-20	DBTG	CD	VIS	5.9	3440	14.4	3394
GOLDBERG ET AL 1986	CA-MAD-397	3-17-8	DBTG	CD	VIS	4.2	3440	14.4	1720
GOLDBERG ET AL 1986	CA-MAD-397	7-18-4	DBTG	CD	VIS	5.2	3440	14.4	2636
GOLDBERG ET AL 1986	CA-MAD-397	3-17-5	DBTG	CD	VIS	4.9	3440	14.4	2341
GOLDBERG ET AL 1986	CA-MAD-397	3-13-5	DBTG	CD	VIS	2.9	3440	14.4	820
GOLDBERG ET AL 1986	CA-MAD-397	3-17-3	DBTG	CD	VIS	4.5	3440	14.4	1974
GOLDBERG ET AL 1986	CA-MAD-397	3-17-2	DBTG	CD	VIS	3.5	3440	14.4	1194
GOLDBERG ET AL 1986	CA-MAD-397	3-17-1	DBTG	CD	VIS	3.4	3440	14.4	1127
GOLDBERG ET AL 1986	CA-MAD-397	3-17	DBTG	CD	VIS	3.2	3440	14.4	998
GOLDBERG ET AL 1986	CA-MAD-397	3-13-9	DBTG	CD	VIS	3.5	3440	14.4	1194
GOLDBERG ET AL 1986	CA-MAD-397	7-24-1	DBTG	CD	VIS	3.4	3440	14.4	1127
GOLDBERG ET AL 1986	CA-MAD-397	3-17-6	DBTG	CD	VIS	4.5	3440	14.4	1974
GOLDBERG ET AL 1986	CA-MAD-397	3-6-3	DBTG	CD	XRF	4.8	3440	14.4	2246
GOLDBERG ET AL 1986	CA-MAD-397	3-13	DBTG	CD	VIS	2.0	3440	14.4	390
GOLDBERG ET AL 1986	CA-MAD-397	7-28-9	DBTG	CD	XRF	4.1	3440	14.4	1639
GOLDBERG ET AL 1986	CA-MAD-397	3-6-9	DBTG	CD	XRF	2.3	3440	14.4	516
GOLDBERG ET AL 1986	CA-MAD-397	3-6-8	DBTG	CD	XRF	2.2	3440	14.4	472
GOLDBERG ET AL 1986	CA-MAD-397	7-6-8	DBTG	CD	VIS	3.1	3440	14.4	937
GOLDBERG ET AL 1986	CA-MAD-397	7-24-3	DBTG	CD	VIS	3.7	3440	14.4	1335
GOLDBERG ET AL 1986	CA-MAD-397	3-6-6	DBTG	CD	XRF	3.3	3440	14.4	1062
GOLDBERG ET AL 1986	CA-MAD-397	3-6-7	DBTG	CD	XRF	4.1	3440	14.4	1639
GOLDBERG ET AL 1986	CA-MAD-397	3-6-4	DBTG	CD	XRF	4.5	3440	14.4	1974
GOLDBERG ET AL 1986	CA-MAD-397	7-28-8	DBTG	CD	XRF	3.0	3440	14.4	877
GOLDBERG ET AL 1986	CA-MAD-397	3-6-2	DBTG	CD	XRF	4.4	3440	14.4	1888
GOLDBERG ET AL 1986	CA-MAD-397	7-24-9	DBTG	CD	VIS	2.9	3440	14.4	820
GOLDBERG ET AL 1986	CA-MAD-397	7-30-4	DBTG	CD	VIS	3.8	3440	14.4	1408
GOLDBERG ET AL 1986	CA-MAD-397	7-28-10	DBTG	CD	XRF	5.0	3440	14.4	2437
GOLDBERG ET AL 1986	CA-MAD-397	7-30-2	DBTG	CD	VIS	4.4	3440	14.4	1888
GOLDBERG ET AL 1986	CA-MAD-397	7-30-1	DBTG	CD	VIS	4.0	3440	14.4	1560
GOLDBERG ET AL 1986	CA-MAD-397	7-30	DBTG	CD	VIS	3.5	3440	14.4	1194
GOLDBERG ET AL 1986	CA-MAD-397	3-6-5	DBTG	CD	XRF	3.3	3440	14.4	1062
GOLDBERG ET AL 1986	CA-MAD-397	7-28-7	DBTG	CD	XRF	5.7	3440	14.4	3168
GOLDBERG ET AL 1986	CA-MAD-397	7-6-7	DBTG	CD	VIS	3.2	3440	14.4	998
GOLDBERG ET AL 1986	CA-MAD-397	7-6-6	DBTG	CD	VIS	3.9	3440	14.4	1483
GOLDBERG ET AL 1986	CA-MAD-397	7-6-5	DBTG	CD	VIS	3.0	3440	14.4	877
GOLDBERG ET AL 1986	CA-MAD-397	7-6-4	DBTG	CD	VIS	4.6	3440	14.4	2063
GOLDBERG ET AL 1986	CA-MAD-397	7-6-3	DBTG	CD	VIS	4.0	3440	14.4	1560
GOLDBERG ET AL 1986	CA-MAD-397	7-6-1	DBTG	CD	VIS	4.1	3440	14.4	1639

Reference	Site	Id	Desc	Srce	Met	Rim	Elev	EHT	B.P.
GOLDBERG ET AL 1986	CA-MAD-397	7-6	DBTG	CD	VIS	4.4	3440	14.4	1888
GOLDBERG ET AL 1986	CA-MAD-397	7-18-3	DBTG	CD	VIS	2.5	3440	14.4	609
GOLDBERG ET AL 1986	CA-MAD-397	7-30-3	DBTG	CD	VIS	3.6	3440	14.4	1264
GOLDBERG ET AL 1986	CA-MAD-397	3-13-4	DBTG	CD	VIS	2.0	3440	14.4	390
GOLDBERG ET AL 1986	CA-MAD-397	3-13-3	DBTG	CD	VIS	2.1	3440	14.4	430
GOLDBERG ET AL 1986	CA-MAD-397	3-13-2	DBTG	CD	VIS	4.3	3440	14.4	1803
GOLDBERG ET AL 1986	CA-MAD-397	3-13-1	DBTG	CD	VIS	2.1	3440	14.4	430
HALE AND HULL 1997	CA-TUL-24	7230D	DBTG	FS	VIS	3.5	2800	15.9	1025
HALE AND HULL 1997	CA-TUL-24	7229C	DBTG	FS	VIS	7.7	2800	15.9	4960
HALE AND HULL 1997	CA-TUL-24	7229D	DBTG	FS	VIS	5.4	2800	15.9	2439
HALE AND HULL 1997	CA-TUL-24	7230C	DBTG	FS	VIS	5.9	2800	15.9	2912
HALE AND HULL 1997	CA-TUL-24	7230A	DBTG	FS	XRF	5.1	2800	15.9	2176
HALE AND HULL 1997	CA-TUL-24	7229A	DBTG	FS	XRF	5.4	2800	15.9	2439
HALE AND HULL 1997	CA-TUL-24	7231D	DBTG	FS	VIS	5.6	2800	15.9	2623
HALE AND HULL 1997	CA-TUL-24	7229B	DBTG	FS	XRF	5.6	2800	15.9	2623
HALE AND HULL 1997	CA-TUL-24	7231A	DBTG	FS	VIS	5.6	2800	15.9	2623
HALE AND HULL 1997	CA-TUL-24	7231B	DBTG	FS	VIS	2.5	2800	15.9	523
HALE AND HULL 1997	CA-TUL-24	7229E	DBTG	FS	VIS	5.5	2800	15.9	2530
HALE AND HULL 1997	CA-TUL-24	7238B	DBTG	FS	XRF	5.1	2800	15.9	2176
HALE AND HULL 1997	CA-TUL-24	7231E	DBTG	FS	VIS	7.0	2800	15.9	4099
HALE AND HULL 1997	CA-TUL-24	7237B	DBTG	FS	XRF	3.4	2800	15.9	967
HALE AND HULL 1997	CA-TUL-24	7235E	DBTG	FS	VIS	4.3	2800	15.9	1547
HALE AND HULL 1997	CA-TUL-24	7236A	DBTG	FS	XRF	1.5	2800	15.9	188
HALE AND HULL 1997	CA-TUL-24	1350-24-2826A	PRJPT	CS	XRF	1.5	2800	15.9	129
HALE AND HULL 1997	CA-TUL-24	1524-24-776	PRJPT	CS	XRF	3.1	2800	15.9	549
HALE AND HULL 1997	CA-TUL-24	7236B	DBTG	FS	VIS	7.5	2800	15.9	4705
HALE AND HULL 1997	CA-TUL-24	7236C	DBTG	FS	VIS	6.6	2800	15.9	3644
HALE AND HULL 1997	CA-TUL-24	7231B	DBTG	FS	VIS	3.6	2800	15.9	1084
HALE AND HULL 1997	CA-TUL-24	1353-24-1326	PRJPT	CS	XRF	1.5	2800	15.9	129
HALE AND HULL 1997	CA-TUL-24	7236C	DBTG	FS	VIS	7.5	2800	15.9	4705
HALE AND HULL 1997	CA-TUL-24	7234E	DBTG	FS	VIS	4.9	2800	15.9	2008
HALE AND HULL 1997	CA-TUL-24	1353-24-2537	PRJPT	CS	XRF	3.0	2800	15.9	514
HALE AND HULL 1997	CA-TUL-24	7318	PRJPT	CS	XRF	2.4	2800	15.9	329
HALE AND HULL 1997	CA-TUL-24	1527-24-2538	PRJPT	CS	XRF	3.1	2800	15.9	549
HALE AND HULL 1997	CA-TUL-24	1353-24-634	PRJPT	CS	XRF	2.1	2800	15.9	252
HALE AND HULL 1997	CA-TUL-24	1353-24-168	PRJPT	CS	XRF	3.7	2800	15.9	782
HALE AND HULL 1997	CA-TUL-24	1353-24-166	PRJPT	CS	XRF	3.8	2800	15.9	825
HALE AND HULL 1997	CA-TUL-24	1525-24-794	PRJPT	CS	XRF	2.6	2800	15.9	386
HALE AND HULL 1997	CA-TUL-24	1353-24-2825	PRJPT	CS	XRF	4.1	2800	15.9	960
HALE AND HULL 1997	CA-TUL-24	1350-24-2509B	PRJPT	CS	XRF	2.0	2800	15.9	229
HALE AND HULL 1997	CA-TUL-24	1353-24-2445	PRJPT	CS	XRF	6.9	2800	15.9	2720
HALE AND HULL 1997	CA-TUL-24	1353-24-3220	PRJPT	CS	XRF	6.5	2800	15.9	2414
HALE AND HULL 1997	CA-TUL-24	1353-24-940	PRJPT	CS	XRF	6.9	2800	15.9	2720
HALE AND HULL 1997	CA-TUL-24	1348-24-1551	PRJPT	CS	XRF	1.7	2800	15.9	165
HALE AND HULL 1997	CA-TUL-24	1350-24-2509A	PRJPT	CS	XRF	6.2	2800	15.9	2196
HALE AND HULL 1997	CA-TUL-24	7230B	DBTG	FS	VIS	3.4	2800	15.9	967
HALE AND HULL 1997	CA-TUL-24	1353-24-1389	PRJPT	CS	XRF	1.8	2800	15.9	185
HALE AND HULL 1997	CA-TUL-24	1513-24-1260	PRJPT	CS	XRF	1.3	2800	15.9	97
HALE AND HULL 1997	CA-TUL-24	1353-24-2447	PRJPT	CS	XRF	1.9	2800	15.9	206
HALE AND HULL 1997	CA-TUL-24	7244E	DBTG	FS	VIS	6.5	2800	15.9	3534
HALE AND HULL 1997	CA-TUL-24	7242D	DBTG	FS	VIS	5.2	2800	15.9	2262
HALE AND HULL 1997	CA-TUL-24	7239C	DBTG	FS	VIS	4.5	2800	15.9	1694
HALE AND HULL 1997	CA-TUL-24	7239B	DBTG	FS	XRF	7.1	2800	15.9	4217
HALE AND HULL 1997	CA-TUL-24	7239A	DBTG	FS	XRF	7.9	2800	15.9	5221
HALE AND HULL 1997	CA-TUL-24	7238E	DBTG	FS	VIS	3.4	2800	15.9	967
HALE AND HULL 1997	CA-TUL-24	7238D	DBTG	FS	VIS	6.4	2800	15.9	3426
HALE AND HULL 1997	CA-TUL-24	7239E	DBTG	FS	VIS	2.6	2800	15.9	565
HALE AND HULL 1997	CA-TUL-24	7244B	DBTG	FS	VIS	11.7	2800	15.9	11451
HALE AND HULL 1997	CA-TUL-24	7240A	DBTG	FS	VIS	2.7	2800	15.9	610
HALE AND HULL 1997	CA-TUL-24	7245A	DBTG	FS	XRF	6.3	2800	15.9	3320
HALE AND HULL 1997	CA-TUL-24	7245B	DBTG	FS	VIS	5.6	2800	15.9	2623
HALE AND HULL 1997	CA-TUL-24	1353-24-605	PRJPT	CD	XRF	5.2	2800	15.9	2316
HALE AND HULL 1997	CA-TUL-24	7245C	DBTG	FS	VIS	5.2	2800	15.9	2262
HALE AND HULL 1997	CA-TUL-24	7245D	DBTG	FS	VIS	8.6	2800	15.9	6187
HALE AND HULL 1997	CA-TUL-24	1350-24-2826A	PRJPT	CS	XRF	5.2	2800	15.9	1545
HALE AND HULL 1997	CA-TUL-24	7241E	DBTG	FS	VIS	7.5	2800	15.9	4705
HALE AND HULL 1997	CA-TUL-24	7243A	DBTG	FS	XRF	7.5	2800	15.9	4705
HALE AND HULL 1997	CA-TUL-24	7242E	DBTG	FS	VIS	5.4	2800	15.9	2439
HALE AND HULL 1997	CA-TUL-24	7241D	DBTG	FS	VIS	4.6	2800	15.9	1770
HALE AND HULL 1997	CA-TUL-24	7243B	DBTG	FS	XRF	4.4	2800	15.9	1619
HALE AND HULL 1997	CA-TUL-24	7241C	DBTG	FS	VIS	7.4	2800	15.9	4581
HALE AND HULL 1997	CA-TUL-24	7243D	DBTG	FS	XRF	5.9	2800	15.9	2912
HALE AND HULL 1997	CA-TUL-24	7243E	DBTG	FS	VIS	3.8	2800	15.9	1208
HALE AND HULL 1997	CA-TUL-24	7239D	DBTG	FS	VIS	5.1	2800	15.9	2176
HALE AND HULL 1997	CA-TUL-24	7244B	DBTG	FS	VIS	9.4	2800	15.9	7391
HALE AND HULL 1997	CA-TUL-24	1352-24-2390	PRJPT	CD	XRF	1.3	2800	15.9	145
HALE AND HULL 1997	CA-TUL-24	7244D	DBTG	FS	VIS	6.1	2800	15.9	3113
HALE AND HULL 1997	CA-TUL-24	7241B	DBTG	FS	XRF	4.9	2800	15.9	2008

Reference	Site	Id	Desc	Srce	Met	Rim	Elev	EHT	B.P.
HALE AND HULL 1997	CA-TUL-24	7240E	DBTG	FS	VIS	5.2	2800	15.9	2262
HALE AND HULL 1997	CA-TUL-24	7240D	DBTG	FS	VIS	6.3	2800	15.9	3320
HALE AND HULL 1997	CA-TUL-24	7240C	DBTG	FS	VIS	4.0	2800	15.9	1338
HALE AND HULL 1997	CA-TUL-24	7240B	DBTG	FS	VIS	2.8	2800	15.9	656
HALE AND HULL 1997	CA-TUL-24	7244A	DBTG	FS	XRF	6.5	2800	15.9	3534
HALE AND HULL 1997	CA-TUL-24	1351-24-883A	BIFACE	CS	XRF	1.4	2800	15.9	112
HALE AND HULL 1997	CA-TUL-24	7236D	DBTG	FS	VIS	3.0	2800	15.9	753
HALE AND HULL 1997	CA-TUL-24	1348-24-908	PRJPT	CS	XRF	1.8	2800	15.9	185
HALE AND HULL 1997	CA-TUL-24	7234C	DBTG	FS	VIS	6.1	2800	15.9	3113
HALE AND HULL 1997	CA-TUL-24	1353-24-1184	PRJPT	CS	XRF	2.0	2800	15.9	229
HALE AND HULL 1997	CA-TUL-24	1353-24-1184	PRJPT	CS	XRF	7.0	2800	15.9	2799
HALE AND HULL 1997	CA-TUL-24	1353-24-1434	PRJPT	CS	XRF	2.8	2800	15.9	448
HALE AND HULL 1997	CA-TUL-24	1353-24-2823	PRJPT	CS	XRF	2.6	2800	15.9	386
HALE AND HULL 1997	CA-TUL-24	1353-24-2605	PRJPT	CS	XRF	2.0	2800	15.9	229
HALE AND HULL 1997	CA-TUL-24	1353-24-797	PRJPT	CS	XRF	1.1	2800	15.9	69
HALE AND HULL 1997	CA-TUL-24	1351-24-883B	BIFACE	CS	XRF	6.3	2800	15.9	2267
HALE AND HULL 1997	CA-TUL-24	1353-24-99A	PRJPT	CS	XRF	4.2	2800	15.9	1008
HALE AND HULL 1997	CA-TUL-24	1353-24-99B	PRJPT	CS	XRF	4.0	2800	15.9	914
HALE AND HULL 1997	CA-TUL-24	1353-24-126A	PRJPT	CS	XRF	5.0	2800	15.9	1428
HALE AND HULL 1997	CA-TUL-24	1353-24-126B	PRJPT	CS	XRF	5.1	2800	15.9	1486
HALE AND HULL 1997	CA-TUL-24	1350-24-2826B	PRJPT	CS	XRF	5.2	2800	15.9	1545
HALE AND HULL 1997	CA-TUL-24	1353-24-2605	PRJPT	CS	XRF	5.0	2800	15.9	1428
HALE AND HULL 1997	CA-TUL-24	1350-24-659B	PRJPT	CD	XRF	4.0	2800	15.9	1370
HALE AND HULL 1997	CA-TUL-24	1348-24-908	PRJPT	CS	XRF	4.2	2800	15.9	1008
HALE AND HULL 1997	CA-TUL-24	1353-24-2450	PRJPT	CD	XRF	1.8	2800	15.9	277
HALE AND HULL 1997	CA-TUL-24	1353-24-2453	PRJPT	CD	XRF	2.3	2800	15.9	453
HALE AND HULL 1997	CA-TUL-24	1353-24-943	PRJPT	CD	XRF	2.0	2800	15.9	343
HALE AND HULL 1997	CA-TUL-24	1549-24-1307	BIFACE	CD	XRF	5.7	2800	15.9	2782
HALE AND HULL 1997	CA-TUL-24	1519-24-1233	PRJPT	CD	XRF	3.9	2800	15.9	1303
HALE AND HULL 1997	CA-TUL-24	1353-24-1261	PRJPT	CD	XRF	2.5	2800	15.9	535
HALE AND HULL 1997	CA-TUL-24	1350-24-659A	PRJPT	CD	XRF	3.6	2800	15.9	1110
HALE AND HULL 1997	CA-TUL-24	1523-24-847	PRJPT	CS	XRF	2.6	2800	15.9	386
HALE AND HULL 1997	CA-TUL-24	1353-24-392A	PRJPT	CD	XRF	2.6	2800	15.9	579
HALE AND HULL 1997	CA-TUL-24	1353-24-392B	PRJPT	CD	XRF	2.2	2800	15.9	414
HALE AND HULL 1997	CA-TUL-24	1353-24-1163A	PRJPT	CD	XRF	4.2	2800	15.9	1511
HALE AND HULL 1997	CA-TUL-24	1353-24-1163B	PRJPT	CD	XRF	4.2	2800	15.9	1511
HALE AND HULL 1997	CA-TUL-24	1353-24-1491	PRJPT	CS	XRF	2.4	2800	15.9	329
HALE AND HULL 1997	CA-TUL-24	8100	PRJPT	CS	XRF	2.6	2800	15.9	386
HALE AND HULL 1997	CA-TUL-24	1547-24-702	PRJPT	CD	XRF	3.6	2800	15.9	1110
HALE AND HULL 1997	CA-TUL-24	1580-24-1798	PRJPT	CD	XRF	5.2	2800	15.9	2316
HALE AND HULL 1997	CA-TUL-24	7246D	DBTG	FS	VIS	5.2	2800	15.9	2262
HALE AND HULL 1997	CA-TUL-24	7234A	DBTG	FS	XRF	2.7	2800	15.9	610
HALE AND HULL 1997	CA-TUL-24	7234D	DBTG	FS	VIS	5.5	2800	15.9	2530
HALE AND HULL 1997	CA-TUL-24	1349-24-808	BIFACE	FS	XRF	3.8	2800	15.9	1208
HALE AND HULL 1997	CA-TUL-24	7233E	DBTG	FS	VIS	3.0	2800	15.9	753
HALE AND HULL 1997	CA-TUL-24	7246C	DBTG	FS	VIS	5.4	2800	15.9	2439
HALE AND HULL 1997	CA-TUL-24	1521-24-2926	PRJPT	FS	XRF	1.7	2800	15.9	242
HALE AND HULL 1997	CA-TUL-24	7246B	DBTG	FS	VIS	6.2	2800	15.9	3216
HALE AND HULL 1997	CA-TUL-24	7233A	DBTG	FS	VIS	6.2	2800	15.9	3216
HALE AND HULL 1997	CA-TUL-24	7246E	DBTG	FS	VIS	7.2	2800	15.9	4336
HALE AND HULL 1997	CA-TUL-24	7247A	DBTG	FS	VIS	6.1	2800	15.9	3113
HALE AND HULL 1997	CA-TUL-24	7247B	DBTG	FS	VIS	5.4	2800	15.9	2439
HALE AND HULL 1997	CA-TUL-24	7247C	DBTG	FS	VIS	7.1	2800	15.9	4217
HALE AND HULL 1997	CA-TUL-24	7246A	DBTG	FS	XRF	6.2	2800	15.9	3216
HALE AND HULL 1997	CA-TUL-24	7248C	DBTG	FS	VIS	4.8	2800	15.9	1927
HALE AND HULL 1997	CA-TUL-24	7245E	DBTG	FS	VIS	8.1	2800	15.9	5488
HALE AND HULL 1997	CA-TUL-24	7238A	DBTG	FS	XRF	3.5	2800	15.9	1025
HALE AND HULL 1997	CA-TUL-24	7237A	DBTG	FS	XRF	5.9	2800	15.9	2912
HALE AND HULL 1997	CA-TUL-24	1353-24-1019	PRJPT	CS	XRF	2.3	2800	15.9	302
HALE AND HULL 1997	CA-TUL-24	7242C	DBTG	FS	XRF	5.0	2800	15.9	2091
HALE AND HULL 1997	CA-TUL-24	7231C	DBTG	FS	VIS	2.4	2800	15.9	482
HALE AND HULL 1997	CA-TUL-24	7235B	DBTG	FS	VIS	3.5	2800	15.9	1025
HALE AND HULL 1997	CA-TUL-24	7237C	DBTG	FS	VIS	5.6	2800	15.9	2623
HALE AND HULL 1997	CA-TUL-24	7233D	DBTG	FS	VIS	5.6	2800	15.9	2623
HALE AND HULL 1997	CA-TUL-24	7237E	DBTG	FS	VIS	5.0	2800	15.9	2091
HALE AND HULL 1997	CA-TUL-24	7233B	DBTG	FS	VIS	2.9	2800	15.9	704
HALE AND HULL 1997	CA-TUL-24	7238B	DBTG	FS	XRF	4.2	2800	15.9	1476
HALE AND HULL 1997	CA-TUL-24	7236E	DBTG	FS	VIS	3.7	2800	15.9	1145
HALE AND HULL 1997	CA-TUL-24	7234B	DBTG	FS	XRF	2.8	2800	15.9	656
HALE AND HULL 1997	CA-TUL-24	7232A	DBTG	FS	XRF	5.9	2800	15.9	2912
HALE AND HULL 1997	CA-TUL-24	7232E	DBTG	FS	VIS	3.0	2800	15.9	753
HALE AND HULL 1997	CA-TUL-24	7235D	DBTG	FS	VIS	7.9	2800	15.9	5221
HALE AND HULL 1997	CA-TUL-24	7237D	DBTG	FS	VIS	2.3	2800	15.9	443
HALE AND HULL 1997	CA-TUL-24	1353-24-2330	PRJPT	FS	XRF	1.2	2800	15.9	120
HALE AND HULL 1997	CA-TUL-24	7248F	DBTG	FS	VIS	5.9	2800	15.9	2912
HALE AND HULL 1997	CA-TUL-24	7248G	DBTG	FS	VIS	3.2	2800	15.9	857
HALE AND HULL 1997	CA-TUL-24	7242B	DBTG	FS	XRF	4.9	2800	15.9	2008
HALE AND HULL 1997	CA-TUL-24	7249A	DBTG	FS	VIS	8.6	2800	15.9	6187

Reference	Site	Id	Desc	Srce	Met	Rim	Elev	EHT	B.P.
HALE AND HULL 1997	CA-TUL-24	7243C	DBTG	FS	XRF	6.2	2800	15.9	3216
HALE AND HULL 1997	CA-TUL-24	1353-24-602	DRILL?	FS	XRF	1.2	2800	15.9	120
HALE AND HULL 1997	CA-TUL-24	7244C	DBTG	FS	VIS	5.9	2800	15.9	2912
HALE AND HULL 1997	CA-TUL-24	7248E	DBTG	FS	VIS	7.2	2800	15.9	4336
HALE AND HULL 1997	CA-TUL-24	1353-24-2154	PRJPT	FS	XRF	2.9	2800	15.9	704
HALE AND HULL 1997	CA-TUL-24	7249C	DBTG	FS	VIS	1.3	2800	15.9	141
HALE AND HULL 1997	CA-TUL-24	7248B	DBTG	FS	XRF	5.6	2800	15.9	2623
HALE AND HULL 1997	CA-TUL-24	7249B	DBTG	FS	VIS	5.4	2800	15.9	2439
HALE AND HULL 1997	CA-TUL-24	7238C	DBTG	FS	VIS	6.3	2800	15.9	3320
HALE AND HULL 1997	CA-TUL-24	7235A	DBTG	FS	XRF	3.5	2800	15.9	1025
HALE AND HULL 1997	CA-TUL-24	1520-24-1891	PRJPT	CS	XRF	3.2	2800	15.9	585
HALE AND HULL 1997	CA-TUL-24	1515-24-795	PRJPT	FS	XRF	1.6	2800	15.9	214
HALE AND HULL 1997	CA-TUL-24	7233C	DBTG	FS	VIS	5.7	2800	15.9	2718
HALE AND HULL 1997	CA-TUL-24	7242A	DBTG	FS	XRF	6.7	2800	15.9	3755
HALE AND HULL 1997	CA-TUL-24	7252A	DBTG	FS	VIS	5.4	2800	15.9	2439
HALE AND HULL 1997	CA-TUL-24	1353-24-560	PRJPT	FS	XRF	1.6	2800	15.9	214
HALE AND HULL 1997	CA-TUL-24	7251A	DBTG	FS	VIS	3.7	2800	15.9	1145
HALE AND HULL 1997	CA-TUL-24	1353-24-2431	PRJPT	FS	XRF	1.8	2800	15.9	271
HALE AND HULL 1997	CA-TUL-24	1353-24-2867	PRJPT	FS	XRF	2.0	2800	15.9	335
HALE AND HULL 1997	CA-TUL-24	7455	PRJPT	FS	XRF	2.1	2800	15.9	369
HALE AND HULL 1997	CA-TUL-24	1353-24-852	PRJPT	FS	XRF	1.3	2800	15.9	141
HALE AND HULL 1997	CA-TUL-24	1353-24-1400	PRJPT	FS	XRF	1.2	2800	15.9	120
HALE AND HULL 1997	CA-TUL-24	1517-24-2333	PRJPT	FS	XRF	1.3	2800	15.9	141
HALE AND HULL 1997	CA-TUL-24	7249C	DBTG	FS	VIS	3.4	2800	15.9	967
HALE AND HULL 1997	CA-TUL-24	7235C	DBTG	FS	VIS	3.6	2800	15.9	1084
HALE AND HULL 1997	CA-TUL-24	7248A	DBTG	FS	XRF	4.3	2800	15.9	1547
HALE AND HULL 1997	CA-TUL-24	7248D	DBTG	FS	VIS	5.6	2800	15.9	2623
HALE AND HULL 1997	CA-TUL-24	1353-24-1309	PRJPT	FS	XRF	1.7	2800	15.9	242
HALE AND HULL 1997	CA-TUL-28	7575B	DBTG	FS	VIS	7.5	2080	17.7	3882
HALE AND HULL 1997	CA-TUL-28	7576B	DBTG	FS	VIS	1.3	2080	17.7	117
HALE AND HULL 1997	CA-TUL-28	7575A	DBTG	FS	VIS	2.7	2080	17.7	503
HALE AND HULL 1997	CA-TUL-28	7578A	DBTG	FS	VIS	3.5	2080	17.7	845
HALE AND HULL 1997	CA-TUL-28	8293A	DBTG	FS	VIS	5.9	2080	17.7	2403
HALE AND HULL 1997	CA-TUL-28	7576A	DBTG	FS	VIS	2.8	2080	17.7	541
HOLSON 1996	CA-FRE-814	152E	DBTG	CD	VIS	2.6	6520	9.1	1073
HOLSON 1996	CA-FRE-814	13	BIFACE	CD	XRF	2.1	6520	9.1	700
HOLSON 1996	CA-FRE-814	2	PRJPT	CD	XRF	0.9	6520	9.1	129
HOLSON 1996	CA-FRE-814	33A	DBTG	CD	XRF	1.6	6520	9.1	406
HOLSON 1996	CA-FRE-814	39	PRJPT	CD	XRF	2.2	6520	9.1	768
HOLSON 1996	CA-FRE-814	140D	DBTG	CD	VIS	2.0	6520	9.1	635
HOLSON 1996	CA-FRE-814	153C	DBTG	CD	VIS	3.3	6520	9.1	1728
HOLSON 1996	CA-FRE-814	153A	DBTG	CD	VIS	1.2	6520	9.1	229
HOLSON 1996	CA-FRE-814	11	BIFACE	CD	VIS	1.1	6520	9.1	192
HOLSON 1996	CA-FRE-814	152D	DBTG	CD	VIS	2.4	6520	9.1	914
HOLSON 1996	CA-FRE-814	152C	DBTG	CD	VIS	2.4	6520	9.1	914
HOLSON 1996	CA-FRE-814	152B	DBTG	CD	VIS	2.1	6520	9.1	700
HOLSON 1996	CA-FRE-814	152A	DBTG	CD	VIS	2.0	6520	9.1	635
HOLSON 1996	CA-FRE-814	144	BIFACE	CD	XRF	2.7	6520	9.1	1157
HOLSON 1996	CA-FRE-814	142D	DBTG	CD	VIS	1.4	6520	9.1	311
HOLSON 1996	CA-FRE-814	77	PRJPT	CD	XRF	2.0	6520	9.1	635
HOLSON 1996	CA-FRE-814	142B	DBTG	CD	VIS	3.3	6520	9.1	1728
HOLSON 1996	CA-FRE-814	68	PRJPT	CD	VIS	2.6	6520	9.1	1073
HOLSON 1996	CA-FRE-814	140E	DBTG	CD	VIS	2.6	6520	9.1	1073
HOLSON 1996	CA-FRE-814	144	BIFACE	CD	XRF	1.9	6520	9.1	573
HOLSON 1996	CA-FRE-814	41B	DBTG	CD	XRF	2.6	6520	9.1	1073
HOLSON 1996	CA-FRE-814	52B	DBTG	CD	XRF	2.5	6520	9.1	992
HOLSON 1996	CA-FRE-814	52C	DBTG	CD	XRF	2.0	6520	9.1	635
HOLSON 1996	CA-FRE-814	52D	DBTG	CD	XRF	1.9	6520	9.1	573
HOLSON 1996	CA-FRE-814	158C	DBTG	CD	VIS	1.5	6520	9.1	357
HOLSON 1996	CA-FRE-814	140C	DBTG	CD	VIS	3.4	6520	9.1	1834
HOLSON 1996	CA-FRE-814	52E	DBTG	CD	VIS	2.7	6520	9.1	1157
HOLSON 1996	CA-FRE-814	62	PRJPT	CD	XRF	1.7	6520	9.1	459
HOLSON 1996	CA-FRE-814	37D	DBTG	CD	VIS	2.7	6520	9.1	1157
HOLSON 1996	CA-FRE-814	41E	DBTG	CD	VIS	2.5	6520	9.1	992
HOLSON 1996	CA-FRE-814	41D	DBTG	CD	XRF	2.4	6520	9.1	914
HOLSON 1996	CA-FRE-814	43	FLKTL	CD	XRF	2.1	6520	9.1	700
HOLSON 1996	CA-FRE-814	41B	DBTG	CD	XRF	3.6	6520	9.1	2057
HOLSON 1996	CA-FRE-814	33C	DBTG	CD	XRF	3.0	6520	9.1	1428
HOLSON 1996	CA-FRE-814	41A	DBTG	CD	XRF	3.9	6520	9.1	2414
HOLSON 1996	CA-FRE-814	154A	DBTG	CD	VIS	3.3	6520	9.1	1728
HOLSON 1996	CA-FRE-814	37E	DBTG	CD	VIS	2.7	6520	9.1	1157
HOLSON 1996	CA-FRE-814	86	PRJPT	CD	VIS	2.1	6520	9.1	700
HOLSON 1996	CA-FRE-814	37C	DBTG	CD	XRF	3.0	6520	9.1	1428
HOLSON 1996	CA-FRE-814	37B	DBTG	CD	XRF	3.0	6520	9.1	1428
HOLSON 1996	CA-FRE-814	37A	DBTG	CD	XRF	2.1	6520	9.1	700
HOLSON 1996	CA-FRE-814	35	BIFACE	CD	XRF	4.0	6520	9.1	2539
HOLSON 1996	CA-FRE-814	33E	DBTG	CD	VIS	3.9	6520	9.1	2414
HOLSON 1996	CA-FRE-814	33D	DBTG	CD	XRF	2.6	6520	9.1	1073

Reference	Site	Id	Desc	Srce	Met	Rim	Elev	EHT	B.P.
HOLSON 1996	CA-FRE-814	41C	DBTG	CD	XRF	2.5	6520	9.1	992
HOLSON 1996	CA-FRE-814	158A	DBTG	CD	VIS	1.5	6520	9.1	357
HOLSON 1996	CA-FRE-814	140A	DBTG	CD	VIS	2.6	6520	9.1	1073
HOLSON 1996	CA-FRE-814	153E	DBTG	CD	VIS	2.3	6520	9.1	839
HOLSON 1996	CA-FRE-814	158B	DBTG	CD	VIS	2.0	6520	9.1	635
HOLSON 1996	CA-FRE-814	157	BIFACE	CD	XRF	4.0	6520	9.1	2539
HOLSON 1996	CA-FRE-814	154E	DBTG	CD	VIS	1.8	6520	9.1	514
HOLSON 1996	CA-FRE-814	154D	DBTG	CD	VIS	1.7	6520	9.1	459
HOLSON 1996	CA-FRE-814	154C	DBTG	CD	VIS	2.6	6520	9.1	1073
HOLSON 1996	CA-FRE-814	154B	DBTG	CD	VIS	2.0	6520	9.1	635
HOLSON 1996	CA-FRE-814	142E	DBTG	CD	VIS	1.9	6520	9.1	573
HOLSON 1996	CA-FRE-814	142C	DBTG	CD	VIS	3.5	6520	9.1	1944
HOLSON 1996	CA-FRE-814	52A	DBTG	CD	XRF	2.5	6520	9.1	992
HOLSON 1996	CA-FRE-814	139B	DBTG	CD	VIS	2.6	6520	9.1	1073
HOLSON 1996	CA-FRE-814	153D	DBTG	CD	VIS	3.2	6520	9.1	1625
HOLSON 1996	CA-FRE-814	106	BIFACE	CD	XRF	2.6	6520	9.1	1073
HOLSON 1996	CA-FRE-814	139E	DBTG	CD	VIS	1.0	6520	9.1	159
HOLSON 1996	CA-FRE-814	111	PRJPT	CD	XRF	1.1	6520	9.1	192
HOLSON 1996	CA-FRE-814	44	PRJPT	FS	XRF	1.9	6520	9.1	634
HOLSON 1996	CA-FRE-814	120	PRJPT	CD	XRF	2.5	6520	9.1	992
HOLSON 1996	CA-FRE-814	130	BIFACE	CD	XRF	2.8	6520	9.1	1244
HOLSON 1996	CA-FRE-814	138	BIFACE	CD	XRF	1.8	6520	9.1	514
HOLSON 1996	CA-FRE-814	139A	DBTG	CD	VIS	2.5	6520	9.1	992
HOLSON 1996	CA-FRE-814	139D	DBTG	CD	VIS	2.7	6520	9.1	1157
HOLSON 1996	CA-FRE-814	142A	DBTG	CD	VIS	3.5	6520	9.1	1944
HOLSON 1996	CA-FRE-815	80E	DBTG	CD	VIS	2.2	6100	9.7	727
HOLSON 1996	CA-FRE-815	43A	DBTG	CD	VIS	2.4	6100	9.7	865
HOLSON 1996	CA-FRE-815	86	BIFACE	CD	XRF	5.9	6100	9.7	5230
HOLSON 1996	CA-FRE-815	92	BIFACE	CD	VIS	1.9	6100	9.7	542
HOLSON 1996	CA-FRE-815	106A	DBTG	CD	VIS	1.9	6100	9.7	542
HOLSON 1996	CA-FRE-815	73B	DBTG	CD	VIS	3.2	6100	9.7	1538
HOLSON 1996	CA-FRE-815	80D	DBTG	CD	VIS	3.8	6100	9.7	2169
HOLSON 1996	CA-FRE-815	106C	DBTG	CD	VIS	5.0	6100	9.7	3756
HOLSON 1996	CA-FRE-815	106D	DBTG	CD	VIS	2.6	6100	9.7	1016
HOLSON 1996	CA-FRE-815	43A	DBTG	CD	VIS	2.8	6100	9.7	1178
HOLSON 1996	CA-FRE-815	80C	DBTG	CD	VIS	2.4	6100	9.7	865
HOLSON 1996	CA-FRE-815	80B	DBTG	CD	VIS	3.2	6100	9.7	1538
HOLSON 1996	CA-FRE-815	80A	DBTG	CD	VIS	1.5	6100	9.7	338
HOLSON 1996	CA-FRE-815	73D	DBTG	CD	VIS	4.6	6100	9.7	3179
HOLSON 1996	CA-FRE-815	74C	DBTG	CD	VIS	1.6	6100	9.7	385
HOLSON 1996	CA-FRE-815	74B	DBTG	CD	VIS	3.3	6100	9.7	1636
HOLSON 1996	CA-FRE-815	74A	DBTG	CD	VIS	3.2	6100	9.7	1538
HOLSON 1996	CA-FRE-815	106B	DBTG	CD	VIS	3.1	6100	9.7	1444
HOLSON 1996	CA-FRE-815	106E	DBTG	CD	VIS	1.9	6100	9.7	542
HOLSON 1996	CA-FRE-815	43E	DBTG	CD	VIS	3.5	6100	9.7	1840
HOLSON 1996	CA-FRE-815	45A	DBTG	CD	VIS	1.9	6100	9.7	542
HOLSON 1996	CA-FRE-815	74D	DBTG	CD	VIS	0.9	6100	9.7	122
HOLSON 1996	CA-FRE-815	50	BIFACE	CD	XRF	1.9	6100	9.7	542
HOLSON 1996	CA-FRE-815	121	PRJPT	CD	VIS	3.2	6100	9.7	1538
HOLSON 1996	CA-FRE-815	122A	DBTG	CD	VIS	3.2	6100	9.7	1538
HOLSON 1996	CA-FRE-815	122C	DBTG	CD	VIS	3.7	6100	9.7	2057
HOLSON 1996	CA-FRE-815	105	DBTG	CD	XRF	1.0	6100	9.7	150
HOLSON 1996	CA-FRE-815	42	DBTG	CD	XRF	1.8	6100	9.7	487
HOLSON 1996	CA-FRE-815	19	BIFACE	CD	XRF	3.9	6100	9.7	2285
HOLSON 1996	CA-FRE-815	20	BIFACE	CD	XRF	1.8	6100	9.7	487
HOLSON 1996	CA-FRE-815	31	BIFACE	CD	VIS	1.5	6100	9.7	338
HOLSON 1996	CA-FRE-815	73E	DBTG	CD	VIS	3.6	6100	9.7	1947
HOLSON 1996	CA-FRE-815	43D	DBTG	CD	VIS	2.3	6100	9.7	795
HOLSON 1996	CA-FRE-815	43C	DBTG	CD	VIS	2.2	6100	9.7	727
HOLSON 1996	CA-FRE-815	59	FLKTL	CD	XRF	5.8	6100	9.7	5054
HOLSON 1996	CA-FRE-815	113	FLKTL	CD	XRF	4.3	6100	9.7	2778
HOLSON 1996	CA-FRE-815	45B	DBTG	CD	VIS	2.0	6100	9.7	601
HOLSON 1996	CA-FRE-815	40A	DBTG	CD	VIS	1.3	6100	9.7	254
HOLSON 1996	CA-FRE-815	40B	DBTG	CD	VIS	2.2	6100	9.7	727
HOLSON 1996	CA-FRE-815	18	BIFACE	CD	XRF	2.8	6100	9.7	1178
HOLSON 1996	CA-FRE-815	43B	DBTG	CD	VIS	2.8	6100	9.7	1178
HOLSON 1996	CA-FRE-815	40A	DBTG	CD	VIS	2.1	6100	9.7	663
HOLSON 1996	CA-FRE-815	116D	DBTG	CD	VIS	1.5	6100	9.7	338
HOLSON 1996	CA-FRE-815	116C	DBTG	CD	VIS	4.1	6100	9.7	2525
HOLSON 1996	CA-FRE-815	116B	DBTG	CD	VIS	0.8	6100	9.7	96
HOLSON 1996	CA-FRE-815	116A	DBTG	CD	VIS	1.9	6100	9.7	542
HOLSON 1996	CA-FRE-815	113	FLKTL	CD	XRF	2.0	6100	9.7	601
HOLSON 1996	CA-FRE-815	68	PRJPT	CD	XRF	1.9	6100	9.7	542
HOLSON 1996	CA-FRE-815	103	PRJPT	CD	XRF	1.0	6100	9.7	150
HULL AND HALE 1992A	CA-MAD-1737	42K	DBTG	CD	VIS	4.4	2240	17.3	1466
HULL AND HALE 1992A	CA-MAD-1737	46A	DBTG	CD	VIS	6.7	2240	17.3	3399
HULL AND HALE 1992A	CA-MAD-1737	1M	DBTG	CD	VIS	4.6	2240	17.3	1602
HULL AND HALE 1992A	CA-MAD-1737	75	BIF	CD	XRF	3.3	2240	17.3	825

Reference	Site	Id	Desc	Srce	Met	Rim	Elev	EHT	B.P.
HULL AND HALE 1992A	CA-MAD-1737	35K	DBTG	CD	VIS	4.5	2240	17.3	1533
HULL AND HALE 1992A	CA-MAD-1737	35L	DBTG	CD	VIS	5.8	2240	17.3	2547
HULL AND HALE 1992A	CA-MAD-1737	1K	DBTG	CD	VIS	3.5	2240	17.3	928
HULL AND HALE 1992A	CA-MAD-1737	42G	DBTG	CD	VIS	4.3	2240	17.3	1400
HULL AND HALE 1992A	CA-MAD-1737	1B	DBTG	CD	VIS	5.1	2240	17.3	1970
HULL AND HALE 1992A	CA-MAD-1737	42L	DBTG	CD	VIS	3.7	2240	17.3	1037
HULL AND HALE 1992A	CA-MAD-1737	42M	DBTG	CD	VIS	3.6	2240	17.3	981
HULL AND HALE 1992A	CA-MAD-1737	46F	DBTG	CD	VIS	5.1	2240	17.3	1970
HULL AND HALE 1992A	CA-MAD-1737	46G	DBTG	CD	VIS	4.3	2240	17.3	1400
HULL AND HALE 1992A	CA-MAD-1737	46K	DBTG	CD	VIS	3.3	2240	17.3	825
HULL AND HALE 1992A	CA-MAD-1737	49G	DBTG	CD	VIS	5.2	2240	17.3	2048
HULL AND HALE 1992A	CA-MAD-1737	35F	DBTG	CD	VIS	3.1	2240	17.3	728
HULL AND HALE 1992A	CA-MAD-1737	42F	DBTG	CD	VIS	4.2	2240	17.3	1336
HULL AND HALE 1992A	CA-MAD-1737	42A	DBTG	CD	VIS	5.2	2240	17.3	2048
HULL AND HALE 1992A	CA-MAD-1737	1F	DBTG	CD	VIS	4.4	2240	17.3	1466
HULL AND HALE 1992A	CA-MAD-1737	12F	DBTG	CD	VIS	4.3	2240	17.3	1400
HULL AND HALE 1992A	CA-MAD-1737	42H	DBTG	CD	VIS	4.3	2240	17.3	1400
HULL AND HALE 1992A	CA-MAD-1737	42H	DBTG	CD	VIS	3.3	2240	17.3	825
HULL AND HALE 1992A	CA-MAD-1737	42J	DBTG	CD	VIS	4.7	2240	17.3	1673
HULL AND HALE 1992A	CA-MAD-1737	42J	DBTG	CD	VIS	5.5	2240	17.3	2291
HULL AND HALE 1992A	CA-MAD-1737	75	BIF	CD	XRF	3.3	2240	17.3	825
HULL AND HALE 1992A	CA-MAD-1737	49F	DBTG	CD	VIS	6.1	2240	17.3	2818
HULL AND HALE 1992A	CA-MAD-1737	1A	DBTG	CD	VIS	4.3	2240	17.3	1400
HULL AND HALE 1992A	CA-MAD-1737	12F	DBTG	CD	VIS	2.7	2240	17.3	552
HULL AND HALE 1992A	CA-MAD-1737	42A	DBTG	CD	VIS	4.7	2240	17.3	1673
HULL AND HALE 1992A	CA-MAD-1737	46A	DBTG	CD	VIS	4.3	2240	17.3	1400
HULL AND HALE 1992A	CA-MAD-1737	17L	DBTG	CD	VIS	10.5	2240	17.3	8348
HULL AND HALE 1992A	CA-MAD-1737	17L	DBTG	CD	VIS	6.1	2240	17.3	2818
HULL AND HALE 1992A	CA-MAD-1737	101	PRJPT	CD	XRF	6.4	2240	17.3	3102
HULL AND HALE 1992A	CA-MAD-1737	49F	DBTG	CD	VIS	5.0	2240	17.3	1893
HULL AND HALE 1992A	CA-MAD-1737	20K	DBTG	CD	VIS	4.2	2240	17.3	1336
HULL AND HALE 1992A	CA-MAD-1737	35G	DBTG	CD	VIS	4.0	2240	17.3	1212
HULL AND HALE 1992A	CA-MAD-1737	17A	DBTG	CD	VIS	4.4	2240	17.3	1466
HULL AND HALE 1992A	CA-MAD-1737	17H	DBTG	CD	VIS	7.1	2240	17.3	3817
HULL AND HALE 1992A	CA-MAD-1737	17K	DBTG	CD	VIS	4.9	2240	17.3	1818
HULL AND HALE 1992A	CA-MAD-1737	20F	DBTG	CD	VIS	3.3	2240	17.3	825
HULL AND HALE 1992A	CA-MAD-1737	20G	DBTG	CD	VIS	4.2	2240	17.3	1336
HULL AND HALE 1992A	CA-MAD-1737	29	BIF	CD	XRF	4.1	2240	17.3	1273
HULL AND HALE 1992A	CA-MAD-1737	20J	DBTG	CD	VIS	5.1	2240	17.3	1970
HULL AND HALE 1992A	CA-MAD-1737	9F	DBTG	CD	VIS	4.3	2240	17.3	1400
HULL AND HALE 1992A	CA-MAD-1737	20M	DBTG	CD	VIS	6.1	2240	17.3	2818
HULL AND HALE 1992A	CA-MAD-1737	22F	DBTG	CD	VIS	3.7	2240	17.3	1037
HULL AND HALE 1992A	CA-MAD-1737	22L	DBTG	CD	VIS	3.8	2240	17.3	1093
HULL AND HALE 1992A	CA-MAD-1737	26F	DBTG	CD	VIS	5.7	2240	17.3	2460
HULL AND HALE 1992A	CA-MAD-1737	26G	DBTG	CD	VIS	5.4	2240	17.3	2208
HULL AND HALE 1992A	CA-MAD-1737	13L	DBTG	CD	VIS	4.1	2240	17.3	1273
HULL AND HALE 1992A	CA-MAD-1737	20I	DBTG	CD	VIS	3.1	2240	17.3	728
HULL AND HALE 1992A	CA-MAD-1737	3H	DBTG	CD	VIS	4.5	2240	17.3	1533
HULL AND HALE 1992A	CA-MAD-1737	17G	DBTG	CD	VIS	4.1	2240	17.3	1273
HULL AND HALE 1992A	CA-MAD-1737	101	PRJPT	CD	XRF	6.3	2240	17.3	3005
HULL AND HALE 1992A	CA-MAD-1737	113	PRJPT	CD	XRF	3.3	2240	17.3	825
HULL AND HALE 1992A	CA-MAD-1737	172	BIF	CD	XRF	4.3	2240	17.3	1400
HULL AND HALE 1992A	CA-MAD-1737	49K	DBTG	CD	VIS	4.1	2240	17.3	1273
HULL AND HALE 1992A	CA-MAD-1737	17F	DBTG	CD	VIS	4.0	2240	17.3	1212
HULL AND HALE 1992A	CA-MAD-1737	13F	DBTG	CD	VIS	4.3	2240	17.3	1400
HULL AND HALE 1992A	CA-MAD-1737	3G	DBTG	CD	VIS	3.4	2240	17.3	875
HULL AND HALE 1992A	CA-MAD-1737	12G	DBTG	CD	VIS	3.0	2240	17.3	682
HULL AND HALE 1992A	CA-MAD-1737	3K	DBTG	CD	VIS	4.1	2240	17.3	1273
HULL AND HALE 1992A	CA-MAD-1737	3L	DBTG	CD	VIS	3.0	2240	17.3	682
HULL AND HALE 1992A	CA-MAD-1737	7A	DBTG	CD	VIS	4.4	2240	17.3	1466
HULL AND HALE 1992A	CA-MAD-1737	7F	DBTG	CD	VIS	3.3	2240	17.3	825
HULL AND HALE 1992A	CA-MAD-1737	7K	DBTG	CD	VIS	3.7	2240	17.3	1037
HULL AND HALE 1992A	CA-MAD-1737	7L	DBTG	CD	VIS	3.7	2240	17.3	1037
HULL AND HALE 1992A	CA-MAD-1737	26H	DBTG	CD	VIS	3.3	2240	17.3	825
HULL AND HALE 1992A	CA-MAD-1737	3F	DBTG	CD	VIS	3.6	2240	17.3	981
HULL AND HALE 1992B	CA-MAD-1744/H	7G	DBTG	CD	VIS	6.6	2240	17.3	3298
HULL AND HALE 1992B	CA-MAD-1744/H	91	PRJPT	CD	XRF	1.5	2240	17.3	170
HULL AND HALE 1992B	CA-MAD-1744/H	13F	DBTG	CD	VIS	2.8	2240	17.3	594
HULL AND HALE 1992B	CA-MAD-1744/H	11K	DBTG	CD	VIS	4.4	2240	17.3	1466
HULL AND HALE 1992B	CA-MAD-1744/H	11H	DBTG	CD	VIS	3.6	2240	17.3	981
HULL AND HALE 1992B	CA-MAD-1744/H	11F	DBTG	CD	VIS	4.9	2240	17.3	1818
HULL AND HALE 1992B	CA-MAD-1744/H	2H	DBTG	CD	VIS	5.5	2240	17.3	2291
HULL AND HALE 1992B	CA-MAD-1744/H	9F	DBTG	CD	VIS	3.8	2240	17.3	1093
HULL AND HALE 1992B	CA-MAD-1744/H	9G	DBTG	CD	VIS	3.6	2240	17.3	981
HULL AND HALE 1992B	CA-MAD-1744/H	7I	DBTG	CD	VIS	5.0	2240	17.3	1893
HULL AND HALE 1992B	CA-MAD-1744/H	61M	DBTG	CD	VIS	5.3	2240	17.3	2127
HULL AND HALE 1992B	CA-MAD-1744/H	7F	DBTG	CD	VIS	21.0	2240	17.3	33394
HULL AND HALE 1992B	CA-MAD-1744/H	5L	DBTG	CD	VIS	5.5	2240	17.3	2291

Reference	Site	Id	Desc	Srce	Met	Rim	Elev	EHT	B.P.
HULL AND HALE 1992B	CA-MAD-1744/H	5K	DBTG	CD	VIS	4.5	2240	17.3	1533
HULL AND HALE 1992B	CA-MAD-1744/H	5J	DBTG	CD	VIS	4.4	2240	17.3	1466
HULL AND HALE 1992B	CA-MAD-1744/H	5I	DBTG	CD	VIS	4.0	2240	17.3	1212
HULL AND HALE 1992B	CA-MAD-1744/H	5H	DBTG	CD	VIS	6.5	2240	17.3	3199
HULL AND HALE 1992B	CA-MAD-1744/H	5G	DBTG	CD	VIS	2.4	2240	17.3	436
HULL AND HALE 1992B	CA-MAD-1744/H	5F	DBTG	CD	VIS	2.5	2240	17.3	473
HULL AND HALE 1992B	CA-MAD-1744/H	54A	DBTG	CD	VIS	4.2	2240	17.3	1336
HULL AND HALE 1992B	CA-MAD-1744/H	7K	DBTG	CD	VIS	5.1	2240	17.3	1970
HULL AND HALE 1992B	CA-MAD-1744/H	111	PRJPT	CD	XRF	2.2	2240	17.3	366
HULL AND HALE 1992B	CA-MAD-1744/H	14	PRJPT	CD	XRF	4.1	2240	17.3	1273
HULL AND HALE 1992B	CA-MAD-1744/H	13J	DBTG	CD	VIS	3.0	2240	17.3	682
HULL AND HALE 1992B	CA-MAD-1744/H	13I	DBTG	CD	VIS	4.0	2240	17.3	1212
HULL AND HALE 1992B	CA-MAD-1744/H	13H	DBTG	CD	VIS	4.1	2240	17.3	1273
HULL AND HALE 1992B	CA-MAD-1744/H	14	PRJPT	CD	XRF	4.1	2240	17.3	1273
HULL AND HALE 1992B	CA-MAD-1744/H	68	PRJPT	CD	XRF	5.4	2240	17.3	2208
HULL AND HALE 1992B	CA-MAD-1744/H	110	PRJPT	CD	XRF	3.3	2240	17.3	825
HULL AND HALE 1992B	CA-MAD-1744/H	54L	DBTG	CD	VIS	4.4	2240	17.3	1466
HULL AND HALE 1992B	CA-MAD-1744/H	90	PRJPT	CD	XRF	2.5	2240	17.3	473
HULL AND HALE 1992B	CA-MAD-1744/H	13G	DBTG	CD	VIS	3.0	2240	17.3	682
HULL AND HALE 1992B	CA-MAD-1744/H	61K	DBTG	CD	VIS	14.2	2240	17.3	15269
HULL AND HALE 1992B	CA-MAD-1744/H	54H	DBTG	CD	VIS	4.8	2240	17.3	1745
HULL AND HALE 1992B	CA-MAD-1744/H	54I	DBTG	CD	VIS	5.4	2240	17.3	2208
HULL AND HALE 1992B	CA-MAD-1744/H	54J	DBTG	CD	VIS	3.3	2240	17.3	825
HULL AND HALE 1992B	CA-MAD-1744/H	46F	DBTG	CD	VIS	4.2	2240	17.3	1336
HULL AND HALE 1992B	CA-MAD-1744/H	54K	DBTG	CD	VIS	7.9	2240	17.3	4726
HULL AND HALE 1992B	CA-MAD-1744/H	61M	DBTG	CD	VIS	3.1	2240	17.3	728
HULL AND HALE 1992B	CA-MAD-1744/H	7H	DBTG	CD	VIS	3.5	2240	17.3	928
HULL AND HALE 1992B	CA-MAD-1744/H	90	PRJPT	CD	XRF	2.6	2240	17.3	512
HULL AND HALE 1992B	CA-MAD-1744/H	50M	DBTG	CD	VIS	4.6	2240	17.3	1602
HULL AND HALE 1992B	CA-MAD-1744/H	58O	DBTG	CD	VIS	4.2	2240	17.3	1336
HULL AND HALE 1992B	CA-MAD-1744/H	50I	DBTG	CD	VIS	4.5	2240	17.3	1533
HULL AND HALE 1992B	CA-MAD-1744/H	61F	DBTG	CD	VIS	3.5	2240	17.3	928
HULL AND HALE 1992B	CA-MAD-1744/H	50G	DBTG	CD	VIS	6.4	2240	17.3	3102
HULL AND HALE 1992B	CA-MAD-1744/H	50F	DBTG	CD	VIS	7.0	2240	17.3	3710
HULL AND HALE 1992B	CA-MAD-1744/H	50A	DBTG	CD	VIS	6.7	2240	17.3	3399
HULL AND HALE 1992B	CA-MAD-1744/H	46L	DBTG	CD	VIS	7.4	2240	17.3	4147
HULL AND HALE 1992B	CA-MAD-1744/H	46K	DBTG	CD	VIS	5.8	2240	17.3	2547
HULL AND HALE 1992B	CA-MAD-1744/H	63A	DBTG	CD	VIS	3.1	2240	17.3	728
HULL AND HALE 1992B	CA-MAD-1744/H	61L	DBTG	CD	VIS	3.8	2240	17.3	1093
HULL AND HALE 1992B	CA-MAD-1744/H	173	BIF	CD	XRF	5.6	2240	17.3	2375
HULL AND HALE 1992B	CA-MAD-1744/H	50K	DBTG	CD	VIS	3.9	2240	17.3	1152
HULL AND HALE 1992B	CA-MAD-1744/H	7J	DBTG	CD	VIS	6.1	2240	17.3	2818
HULL AND HALE 1992B	CA-MAD-1744/H	50L	DBTG	CD	VIS	5.8	2240	17.3	2547
HULL AND HALE 1992B	CA-MAD-1744/H	50L	DBTG	CD	VIS	5.6	2240	17.3	2375
HULL AND HALE 1992B	CA-MAD-1744/H	2G	DBTG	CD	VIS	4.2	2240	17.3	1336
HULL AND HALE 1992B	CA-MAD-1744/H	2G	DBTG	CD	VIS	1.0	2240	17.3	76
HULL AND HALE 1992B	CA-MAD-1744/H	2A	DBTG	CD	VIS	5.2	2240	17.3	2048
HULL AND HALE 1992B	CA-MAD-1744/H	2A	DBTG	CD	VIS	36.8	2240	17.3	102547
HULL AND HALE 1992B	CA-MAD-1744/H	2K	DBTG	CD	VIS	4.4	2240	17.3	1466
HULL AND HALE 1992B	CA-MAD-1744/H	58K	DBTG	CD	VIS	6.1	2240	17.3	2818
HULL AND HALE 1992B	CA-MAD-1744/H	54N	DBTG	CD	VIS	4.2	2240	17.3	1336
HULL AND HALE 1992B	CA-MAD-1744/H	58F	DBTG	CD	VIS	4.3	2240	17.3	1400
HULL AND HALE 1992B	CA-MAD-1744/H	58H	DBTG	CD	VIS	4.3	2240	17.3	1400
HULL AND HALE 1992B	CA-MAD-1744/H	54G	DBTG	CD	VIS	6.0	2240	17.3	2726
HULL AND HALE 1992B	CA-MAD-1744/H	58J	DBTG	CD	VIS	4.1	2240	17.3	1273
HULL AND HALE 1992B	CA-MAD-1744/H	58I	DBTG	CD	VIS	3.9	2240	17.3	1152
HULL AND HALE 1992B	CA-MAD-1744/H	58N	DBTG	CD	VIS	4.8	2240	17.3	1745
HULL AND HALE 1992B	CA-MAD-1744/H	5A	DBTG	CD	VIS	10.2	2240	17.3	7878
HULL AND HALE 1992B	CA-MAD-1744/H	50H	DBTG	CD	VIS	3.6	2240	17.3	981
HULL AND HALE 1992B	CA-MAD-1744/H	54F	DBTG	CD	VIS	6.6	2240	17.3	3298
HULL AND HALE 1992B	CA-MAD-1744/H	50J	DBTG	CD	VIS	4.7	2240	17.3	1673
HULL AND HALE 1992B	CA-MAD-1744/H	2F	DBTG	CD	VIS	5.7	2240	17.3	2460
HULL AND HALE 1992B	CA-MAD-1744/H	63H	DBTG	CD	VIS	3.4	2240	17.3	875
HULL AND HALE 1992B	CA-MAD-1744/H	63F	DBTG	CD	VIS	3.4	2240	17.3	875
JACKSON 1996	CA-TUL-72	10545A	DBTG	FS	VIS	4.5	2200	17.4	1445
JACKSON 1996	CA-TUL-72	10546C	DBTG	FS	VIS	5.3	2200	17.4	2004
JACKSON 1996	CA-TUL-72	10542C	DBTG	CS	XRF	7.5	2200	17.4	2660
JACKSON 1996	CA-TUL-72	10544B	DBTG	FS	VIS	5.1	2200	17.4	1856
JACKSON 1996	CA-TUL-72	10544A	DBTG	FS	VIS	4.8	2200	17.4	1644
JACKSON 1996	CA-TUL-72	10555A	DBTG	FS	XRF	4.0	2200	17.4	1142
JACKSON 1996	CA-TUL-72	10551A	DBTG	CS	XRF	9.3	2200	17.4	4089
JACKSON 1996	CA-TUL-72	10544C	DBTG	FS	VIS	2.7	2200	17.4	520
JACKSON 1996	CA-TUL-72	10546A	DBTG	FS	VIS	6.0	2200	17.4	2569
JACKSON 1996	CA-TUL-72	10545D	DBTG	CS	XRF	4.8	2200	17.4	1089
JACKSON 1996	CA-TUL-72	10546B	DBTG	FS	VIS	5.1	2200	17.4	1856
JACKSON 1996	CA-TUL-72	10543C	DBTG	FS	XRF	6.0	2200	17.4	2569
JACKSON 1996	CA-TUL-72	10542A	DBTG	FS	XRF	2.5	2200	17.4	446
JACKSON 1996	CA-TUL-72	10543A	DBTG	CS	XRF	2.9	2200	17.4	398

Reference	Site	Id	Desc	Srce	Met	Rim	Elev	EHT	B.P.
JACKSON 1996	CA-TUL-72	10550B	DBTG	CD	XRF	4.7	2200	17.4	1657
JACKSON 1996	CA-TUL-72	10551B	DBTG	FS	XRF	3.5	2200	17.4	874
JACKSON 1996	CA-TUL-72	10550A	DBTG	CS	XRF	21.1	2200	17.4	21050
JACKSON 1996	CA-TUL-72	10546D	DBTG	CD	XRF	6.1	2200	17.4	2792
JACKSON 1996	CA-TUL-72	10545B	DBTG	FS	VIS	5.9	2200	17.4	2484
JACKSON 1996	CA-TUL-72	10542B	DBTG	CS	XRF	5.0	2200	17.4	1182
JACKSON 1996	CA-TUL-72	10543B	DBTG	CS	XRF	5.9	2200	17.4	1646
JACKSON 1996	CA-TUL-72	10545C	DBTG	CS	XRF	4.5	2200	17.4	957
JACKSON 1996	CA-TUL-72	10547B	DBTG	FS	XRF	5.6	2200	17.4	2238
JACKSON 1996	CA-TUL-72	10549A	DBTG	FS	XRF	4.4	2200	17.4	1382
JACKSON 1996	CA-TUL-72	10548A	DBTG	FS	XRF	2.6	2200	17.4	482
JACKSON 1996	CA-TUL-72	10547C	DBTG	CS	XRF	7.5	2200	17.4	2660
JACKSON 1996	CA-TUL-72	10547A	DBTG	CS	XRF	6.5	2200	17.4	1998
MANIERY 1990	CA-MAD-1531	1531-1091-1B	DBTG	CD	XRF	9.5	550	22.3	4439
MANIERY 1990	CA-MAD-1531	1531-1061-1G	DBTG	CD	XRF	7.9	550	22.3	3070
MANIERY 1990	CA-MAD-1531	1531-1080-1B	DBTG	CD	XRF	6.7	550	22.3	2208
MANIERY 1990	CA-MAD-1531	1531-1080-1C	DBTG	CD	XRF	6.1	550	22.3	1830
MANIERY 1990	CA-MAD-1531	1531-1080-1D	DBTG	CD	XRF	7.3	550	22.3	2621
MANIERY 1990	CA-MAD-1531	1531-1080-1E	DBTG	CD	XRF	5.0	550	22.3	1230
MANIERY 1990	CA-MAD-1531	1531-1091-1C	DBTG	CD	XRF	8.7	550	22.3	3723
MANIERY 1990	CA-MAD-1531	1531-1080-1J	DBTG	CD	XRF	7.1	550	22.3	2480
MANIERY 1990	CA-MAD-1531	1531-1070-1E	DBTG	CD	XRF	8.8	550	22.3	3809
MANIERY 1990	CA-MAD-1531	1531-1033-1C	DBTG	CD	XRF	6.0	550	22.3	1771
MANIERY 1990	CA-MAD-1531	1531-1080-1I	DBTG	CD	XRF	8.4	550	22.3	3471
MANIERY 1990	CA-MAD-1531	1531-1080-1A	DBTG	CD	XRF	6.4	550	22.3	2015
MANIERY 1990	CA-MAD-1531	1531-1052-1E	DBTG	CD	XRF	7.7	550	22.3	2916
MANIERY 1990	CA-MAD-1531	1531-1157	PRJPT	CD	XRF	3.6	550	22.3	638
MANIERY 1990	CA-MAD-1531	1531-1052-1B	DBTG	CD	XRF	6.1	550	22.3	1830
MANIERY 1990	CA-MAD-1531	1531-1052-1A	DBTG	CD	XRF	5.9	550	22.3	1712
MANIERY 1990	CA-MAD-1531	1531-1042-1H	DBTG	CD	XRF	7.2	550	22.3	2550
MANIERY 1990	CA-MAD-1531	1531-1042-1D	DBTG	CD	XRF	5.5	550	22.3	1488
MANIERY 1990	CA-MAD-1531	1531-1042-1C	DBTG	CD	XRF	5.5	550	22.3	1488
MANIERY 1990	CA-MAD-1531	1531-1042-1B	DBTG	CD	XRF	6.5	550	22.3	2078
MANIERY 1990	CA-MAD-1531	1531-1042-1A	DBTG	CD	XRF	7.1	550	22.3	2480
MANIERY 1990	CA-MAD-1531	1531-1033-1J	DBTG	CD	XRF	8.3	550	22.3	3389
MANIERY 1990	CA-MAD-1531	1531-1033-1G	DBTG	CD	XRF	4.8	550	22.3	1133
MANIERY 1990	CA-MAD-1531	1531-1033-1F	DBTG	CD	XRF	6.3	550	22.3	1952
MANIERY 1990	CA-MAD-1531	1531-1033-1B	DBTG	CD	XRF	7.4	550	22.3	2694
MANIERY 1990	CA-MAD-1531	1531-1052-1C	DBTG	CD	XRF	6.9	550	22.3	2342
MANIERY 1990	CA-MAD-1531	1531-102	BIF	CD	XRF	5.8	550	22.3	1655
MANIERY 1990	CA-MAD-1531	1531-497	FLKTL	CD	XRF	6.9	550	22.3	2342
MANIERY 1990	CA-MAD-1531	1531-1052-1D	DBTG	CD	XRF	8.9	550	22.3	3896
MANIERY 1990	CA-MAD-1531	1531-1170	CORE	CD	XRF	6.8	550	22.3	2275
MANIERY 1990	CA-MAD-1531	1531-1170	CORE	CD	XRF	8.1	550	22.3	3227
MANIERY 1990	CA-MAD-1531	1531-1216	PRJPT	CD	XRF	3.3	550	22.3	536
MANIERY 1990	CA-MAD-1531	1531-817	CORE	CD	XRF	6.1	550	22.3	1830
MANIERY 1990	CA-MAD-1531	1531-102	BIF	CD	XRF	3.1	550	22.3	473
MANIERY 1990	CA-MAD-1531	1531-102	BIF	CD	XRF	3.7	550	22.3	673
MANIERY 1990	CA-MAD-1531	1531-292	BIF	CD	XRF	3.4	550	22.3	569
MANIERY 1990	CA-MAD-1531	1531-883	PRJPT	CD	XRF	7.9	550	22.3	3070
MANIERY 1990	CA-MAD-1531	1531-909	PRJPT	CD	XRF	7.1	550	22.3	2480
MANIERY 1990	CA-MAD-1531	1531-1061-1J	DBTG	CD	XRF	8.8	550	22.3	3809
MANIERY 1990	CA-MAD-1531	1531-1027	FLKTL	CD	XRF	6.4	550	22.3	2015
MANIERY 1990	CA-MAD-1531	1531-1094	PRJPT	CD	XRF	6.6	550	22.3	2143
MANIERY 1990	CA-MAD-1531	1531-1216	PRJPT	CD	XRF	3.8	550	22.3	710
MANIERY 1990	CA-MAD-1531	1531-1061-1C	DBTG	CD	XRF	7.2	550	22.3	2550
MANIERY 1990	CA-MAD-1531	1531-1070-1F	DBTG	CD	XRF	8.0	550	22.3	3148
MANIERY 1990	CA-MAD-1531	1531-1096-1E	DBTG	CD	XRF	7.3	550	22.3	2621
MANIERY 1990	CA-MAD-1531	1531-1091-1G	DBTG	CD	XRF	7.6	550	22.3	2841
MANIERY 1990	CA-MAD-1531	1531-1033-1A	DBTG	CD	XRF	8.4	550	22.3	3471
MANIERY 1990	CA-MAD-1531	1531-1070-1D	DBTG	CD	XRF	5.2	550	22.3	1330
MANIERY 1990	CA-MAD-1531	1531-1070-1C	DBTG	CD	XRF	6.9	550	22.3	2342
MANIERY 1990	CA-MAD-1531	1531-1070-1A	DBTG	CD	XRF	5.8	550	22.3	1655
MANIERY 1990	CA-MAD-1531	1531-1061-1E	DBTG	CD	XRF	8.4	550	22.3	3471
MANIERY 1990	CA-MAD-1531	1531-1061-1H	DBTG	CD	XRF	6.7	550	22.3	2208
MANIERY 1990	CA-MAD-1531	1531-1061-1A	DBTG	CD	XRF	7.4	550	22.3	2694
MANIERY 1990	CA-MAD-1531	1531-1052-1G	DBTG	CD	XRF	11.8	550	22.3	6849
MANIERY 1990	CA-MAD-1531	1531-1052-1F	DBTG	CD	XRF	6.1	550	22.3	1830
MANIERY 1990	CA-MAD-1531	1531-1070-1J	DBTG	CD	XRF	9.4	550	22.3	4346
MANIERY 1990	CA-MAD-1531	1531-1102-G	DBTG	CD	XRF	5.4	550	22.3	1434
MANIERY 1990	CA-MAD-1531	1531-1096-1F	DBTG	CD	XRF	8.4	550	22.3	3471
MANIERY 1990	CA-MAD-1531	1531-1096-1G	DBTG	CD	XRF	5.5	550	22.3	1488
MANIERY 1990	CA-MAD-1531	1531-1102-B	DBTG	CD	XRF	6.1	550	22.3	1830
MANIERY 1990	CA-MAD-1531	1531-1102-F	DBTG	CD	XRF	8.9	550	22.3	3896
MANIERY 1990	CA-MAD-1531	1531-1061-1F	DBTG	CD	XRF	7.0	550	22.3	2410
MANIERY 1990	CA-MAD-1531	1531-1157	PRJPT	CD	XRF	3.8	550	22.3	710
MANIERY 1990	CA-MAD-1531	1531-1102-H	DBTG	CD	XRF	7.3	550	22.3	2621
MANIERY 1990	CA-MAD-1531	1531-1104-C	DBTG	CD	XRF	7.1	550	22.3	2480

Reference	Site	Id	Desc	Srce	Met	Rim	Elev	EHT	B.P.
MANIERY 1990	CA-MAD-1531	1531-1102-A	DBTG	CD	XRF	7.1	550	22.3	2480
MANIERY 1990	CA-MAD-1531	1531-1104-B	DBTG	CD	XRF	7.4	550	22.3	2694
MANIERY 1990	CA-MAD-1531	1531-1104-D	DBTG	CD	XRF	6.5	550	22.3	2078
MANIERY 1990	CA-MAD-1531	1531-1052-1G	DBTG	CD	XRF	12.9	550	22.3	8186
MANIERY 1990	CA-MAD-1531	1531-1102-I	DBTG	CD	XRF	6.2	550	22.3	1891
MCGUIRE AND GARFINKEL 1980	CA-TUL-621	41-549	PRJPT	CS	XRF	1.6	6560	9.0	361
MCGUIRE AND GARFINKEL 1980	CA-TUL-621	41-334	PRJPT	CS	XRF	2.2	6560	9.0	686
MCGUIRE AND GARFINKEL 1980	CA-TUL-621	41-682	PRJPT	CS	XRF	1.7	6560	9.0	407
MCGUIRE AND GARFINKEL 1980	CA-TUL-621	41-102	PRJPT	CS	XRF	1.4	6560	9.0	277
MCGUIRE AND GARFINKEL 1980	CA-TUL-621	41-103	PRJPT	CS	XRF	4.7	6560	9.0	3127
MCGUIRE AND GARFINKEL 1980	CA-TUL-621	41-683	PRJPT	CS	XRF	2.4	6560	9.0	815
MCGUIRE AND GARFINKEL 1980	CA-TUL-621	41-680	PRJPT	CS	XRF	2.0	6560	9.0	568
MCGUIRE AND GARFINKEL 1980	CA-TUL-621	41-681	PRJPT	CS	XRF	1.2	6560	9.0	204
MCGUIRE AND GARFINKEL 1980	CA-TUL-621	41-097	PRJPT	CS	XRF	2.4	6560	9.0	815
MCGUIRE AND GARFINKEL 1980	CA-TUL-621	41-551	PRJPT	CS	XRF	1.0	6560	9.0	142
MCGUIRE AND GARFINKEL 1980	CA-TUL-621	41-550	PRJPT	CS	XRF	1.7	6560	9.0	379
MORATTO 1988	CA-FRE-1671	1032-17	DBTG	CD	VIS	5.6	600	22.2	1565
MORATTO 1988	CA-FRE-1671	1032-17	DBTG	CD	VIS	5.7	600	22.2	1621
MORATTO 1988	CA-FRE-1671	1014-15	DBTG	CD	VIS	3.3	600	22.2	543
MORATTO 1988	CA-FRE-1671	1963-54	DBTG	CD	VIS	2.4	600	22.2	287
MORATTO 1988	CA-FRE-1671	1965-56	DBTG	CD	XRF	3.1	600	22.2	479
MORATTO 1988	CA-FRE-1671	2077-50	DBTG	CD	VIS	3.5	600	22.2	611
MORATTO 1988	CA-FRE-1671	2207-63	DBTG	CD	VIS	7.4	600	22.2	2732
MORATTO 1988	CA-FRE-1671	1159-26	DBTG	CD	VIS	5.6	600	22.2	1565
MORATTO 1988	CA-FRE-1671	1208-31	DBTG	CD	VIS	7.0	600	22.2	2445
MORATTO 1988	CA-FRE-1671	2210-64	DBTG	CD	VIS	5.0	600	22.2	1247
MORATTO 1988	CA-FRE-1671	1180-29	DBTG	CD	VIS	6.2	600	22.2	1918
MORATTO 1988	CA-FRE-1671	2202-61	DBTG	CD	VIS	6.6	600	22.2	2173
MORATTO 1988	CA-FRE-1671	2212-65	DBTG	CD	VIS	6.0	600	22.2	1796
MORATTO 1988	CA-FRE-1671	1093-23	DBTG	CD	VIS	5.9	600	22.2	1737
MORATTO 1988	CA-FRE-1671	999-13	DBTG	CD	VIS	5.2	600	22.2	1349
MORATTO 1988	CA-FRE-1671	1281-34	DBTG	CD	VIS	4.3	600	22.2	922
MORATTO 1988	CA-FRE-1671	1277-33	DBTG	CD	VIS	7.1	600	22.2	2515
MORATTO 1988	CA-FRE-1671	1269-32	DBTG	CD	VIS	7.1	600	22.2	2515
MORATTO 1988	CA-FRE-1671	1065-19	DBTG	CD	VIS	6.6	600	22.2	2173
MORATTO 1988	CA-FRE-1671	1180-28	DBTG	CD	VIS	4.2	600	22.2	880
MORATTO 1988	CA-FRE-1671	1163-27	DBTG	CD	VIS	3.3	600	22.2	543
MORATTO 1988	CA-FRE-1671	1325-36	DBTG	CD	VIS	6.5	600	22.2	2108
MORATTO 1988	CA-FRE-1671	1106-24	DBTG	CD	VIS	5.9	600	22.2	1737
MORATTO 1988	CA-FRE-1671	1643-37	DBTG	CD	VIS	5.8	600	22.2	1678
MORATTO 1988	CA-FRE-1671	1088-22	DBTG	CD	VIS	4.5	600	22.2	1010
MORATTO 1988	CA-FRE-1671	1080-21	DBTG	CD	VIS	6.2	600	22.2	1918
MORATTO 1988	CA-FRE-1671	1076-20	DBTG	CD	VIS	6.2	600	22.2	1918
MORATTO 1988	CA-FRE-1671	2228-67	DBTG	CD	VIS	4.4	600	22.2	966
MORATTO 1988	CA-FRE-1671	1950-23	DBTG	CD	XRF	6.1	600	22.2	1856
MORATTO 1988	CA-FRE-1671	1804-12	DBTG	CD	VIS	5.2	600	22.2	1349
MORATTO 1988	CA-FRE-1671	1968-66	DBTG	CD	VIS	6.5	600	22.2	2108
MORATTO 1988	CA-FRE-1671	1003-14	DBTG	CD	VIS	5.7	600	22.2	1621
MORATTO 1988	CA-FRE-1671	1801-2	DBTG	CD	VIS	5.6	600	22.2	1565
MORATTO 1988	CA-FRE-1671	2132-53	DBTG	CD	VIS	6.3	600	22.2	1980
MORATTO 1988	CA-FRE-1671	1649-38	DBTG	CD	VIS	6.1	600	22.2	1856
MORATTO 1988	CA-FRE-1671	1649-39	DBTG	CD	VIS	4.7	600	22.2	1102
MORATTO 1988	CA-FRE-1671	2235	PRJPT	CD	VIS	2.5	600	22.2	312
MORATTO 1988	CA-FRE-1671	1950-24	DBTG	CD	XRF	7.6	600	22.2	2882
MORATTO 1988	CA-FRE-1671	1804-8	DBTG	CD	XRF	7.1	600	22.2	2515
MORATTO 1988	CA-FRE-1671	1950-22	DBTG	CD	VIS	5.3	600	22.2	1401
MORATTO 1988	CA-FRE-1671	1950-21	DBTG	CD	VIS	6.1	600	22.2	1856
MORATTO 1988	CA-FRE-1671	1805-15	DBTG	CD	VIS	6.3	600	22.2	1980
MORATTO 1988	CA-FRE-1671	1951-26	DBTG	CD	VIS	6.0	600	22.2	1796
MORATTO 1988	CA-FRE-1671	1951-27	DBTG	CD	VIS	5.6	600	22.2	1565
MORATTO 1988	CA-FRE-1671	1657-40	DBTG	CD	VIS	4.5	600	22.2	1010
MORATTO 1988	CA-FRE-1671	2009-45	DBTG	CD	VIS	6.2	600	22.2	1918
MORATTO 1988	CA-FRE-1671	972-7	DBTG	CD	VIS	4.5	600	22.2	1010
MORATTO 1988	CA-FRE-1671	2016-46	DBTG	CD	VIS	4.4	600	22.2	966
MORATTO 1988	CA-FRE-1671	1968-64	DBTG	CD	VIS	5.4	600	22.2	1455
MORATTO 1988	CA-FRE-1671	978-8	DBTG	CD	VIS	6.3	600	22.2	1980
MORATTO 1988	CA-FRE-1671	981-9	DBTG	CD	VIS	4.4	600	22.2	966
MORATTO 1988	CA-FRE-1671	989-10	DBTG	CD	VIS	6.0	600	22.2	1796
MORATTO 1988	CA-FRE-1671	1975-83	DBTG	CD	VIS	4.8	600	22.2	1150
MORATTO 1988	CA-FRE-1671	1801-4	DBTG	CD	VIS	5.2	600	22.2	1349
MORATTO 1988	CA-FRE-1671	1965-58	DBTG	CD	VIS	6.5	600	22.2	2108
MORATTO 1988	CA-FRE-1671	1965-59	DBTG	CD	VIS	6.2	600	22.2	1918
MORATTO 1988	CA-FRE-1671	1968-61	DBTG	CD	VIS	7.6	600	22.2	2882
MORATTO 1988	CA-FRE-1671	1804-10	DBTG	CD	VIS	5.0	600	22.2	1247
MORATTO 1988	CA-FRE-1671	1968-63	DBTG	CD	VIS	6.8	600	22.2	2307
MORATTO 1988	CA-FRE-1671	1804-9	DBTG	CD	VIS	6.7	600	22.2	2240
MORATTO 1988	CA-FRE-1671	1968-65	DBTG	CD	VIS	5.3	600	22.2	1401
MORATTO 1988	CA-FRE-1671	1801-1	DBTG	CD	VIS	5.3	600	22.2	1401

Reference	Site	Id	Desc	Srce	Met	Rim	Elev	EHT	B.P.
MORATTO 1988	CA-FRE-1671	1971-69	DBTG	CD	VIS	6.2	600	22.2	1918
MORATTO 1988	CA-FRE-1671	1801-3	DBTG	CD	VIS	10.0	600	22.2	4989
MORATTO 1988	CA-FRE-1671	1971-68	DBTG	CD	VIS	6.7	600	22.2	2240
MORATTO 1988	CA-FRE-1671	1801-6	DBTG	CD	XRF	6.5	600	22.2	2108
MORATTO 1988	CA-FRE-1671	1804-7	DBTG	CD	VIS	6.8	600	22.2	2307
MORATTO 1988	CA-FRE-1671	2342-75	DBTG	CD	VIS	6.4	600	22.2	2044
MORATTO 1988	CA-FRE-1671	1968-62	DBTG	CD	XRF	5.3	600	22.2	1401
MORATTO 1988	CA-FRE-1671	2321-73	DBTG	CD	VIS	7.0	600	22.2	2445
MORATTO 1988	CA-FRE-1671	1953-34	DBTG	CD	VIS	6.8	600	22.2	2307
MORATTO 1988	CA-FRE-1671	1953-33	DBTG	CD	VIS	6.9	600	22.2	2375
MORATTO 1988	CA-FRE-1671	1953-32	DBTG	CD	XRF	5.9	600	22.2	1737
MORATTO 1988	CA-FRE-1671	1953-31	DBTG	CD	XRF	7.5	600	22.2	2806
MORATTO 1988	CA-FRE-1671	1951-30	DBTG	CD	VIS	4.6	600	22.2	1056
MORATTO 1988	CA-FRE-1671	1951-29	DBTG	CD	XRF	6.6	600	22.2	2173
MORATTO 1988	CA-FRE-1671	1955-39	DBTG	CD	VIS	6.7	600	22.2	2240
MORATTO 1988	CA-FRE-1671	368	PRJPT	CD	VIS	8.2	600	22.2	3355
MORATTO 1988	CA-FRE-1671	2315-72	DBTG	CD	VIS	5.3	600	22.2	1401
MORATTO 1988	CA-FRE-1671	2275-70	DBTG	CD	VIS	6.7	600	22.2	2240
MORATTO 1988	CA-FRE-1671	2337-74	DBTG	CD	VIS	5.1	600	22.2	1298
MORATTO 1988	CA-FRE-1671	1660-41	DBTG	CD	VIS	7.0	600	22.2	2445
MORATTO 1988	CA-FRE-1671	328	BIF	CD	VIS	4.0	600	22.2	798
MORATTO 1988	CA-FRE-1671	2347-76	DBTG	CD	VIS	7.7	600	22.2	2958
MORATTO 1988	CA-FRE-1671	326	PRJPT	CD	VIS	3.0	600	22.2	449
MORATTO 1988	CA-FRE-1671	2399-78	DBTG	CD	VIS	6.7	600	22.2	2240
MORATTO 1988	CA-FRE-1671	2405-79	DBTG	CD	VIS	6.6	600	22.2	2173
MORATTO 1988	CA-FRE-1671	2405-80	DBTG	CD	VIS	7.4	600	22.2	2732
MORATTO 1988	CA-FRE-1671	2275-71	DBTG	CD	VIS	6.6	600	22.2	2173
MORATTO 1988	CA-FRE-1671	1963-51	DBTG	CD	VIS	5.9	600	22.2	1737
MORATTO 1988	CA-FRE-1671	1885	PRJPT	CD	VIS	7.0	600	22.2	2445
MORATTO 1988	CA-FRE-1671	2045	PRJPT	CD	VIS	4.1	600	22.2	839
MORATTO 1988	CA-FRE-1671	1890	PRJPT	CD	VIS	4.0	600	22.2	798
MORATTO 1988	CA-FRE-1671	2397-77	DBTG	CD	VIS	3.0	600	22.2	449
MORATTO 1988	CA-FRE-1671	2267-68	DBTG	CD	VIS	6.4	600	22.2	2044
MORATTO 1988	CA-FRE-1671	1965-55	DBTG	CD	XRF	5.7	600	22.2	1621
MORATTO 1988	CA-FRE-1671	1805-13	DBTG	CD	VIS	2.6	600	22.2	337
MORATTO 1988	CA-FRE-1671	1955-37	DBTG	CD	XRF	7.5	600	22.2	2806
MORATTO 1988	CA-FRE-1671	1953-35	DBTG	CD	VIS	4.8	600	22.2	1150
MORATTO 1988	CA-FRE-1671	1963-53	DBTG	CD	VIS	6.4	600	22.2	2044
MORATTO 1988	CA-FRE-1671	1953-36	DBTG	CD	VIS	4.5	600	22.2	1010
MORATTO 1988	CA-FRE-1671	1958-47	DBTG	CD	VIS	6.5	600	22.2	2108
MORATTO 1988	CA-FRE-1671	1958-46	DBTG	CD	VIS	5.8	600	22.2	1678
MORATTO 1988	CA-FRE-1671	1960-43	DBTG	CD	XRF	4.9	600	22.2	1198
MORATTO 1988	CA-FRE-1671	1956-42	DBTG	CD	VIS	10.0	600	22.2	4989
MORATTO 1988	CA-FRE-1671	1955-40	DBTG	CD	VIS	2.2	600	22.2	241
MORATTO 1988	CA-FRE-1671	1951-25	DBTG	CD	VIS	6.2	600	22.2	1918
MORATTO 1988	CA-FRE-1671	1955-38	DBTG	CD	XRF	5.0	600	22.2	1247
MORATTO 1988	CA-FRE-1671	1805-18	DBTG	CD	VIS	6.8	600	22.2	2307
MORATTO 1988	CA-FRE-1671	2272-69	DBTG	CD	VIS	2.5	600	22.2	312
MORATTO 1988	CA-FRE-1671	2029-48	DBTG	CD	VIS	6.4	600	22.2	2044
MORATTO 1988	CA-FRE-1671	2193-59	DBTG	CD	VIS	7.1	600	22.2	2515
MORATTO 1988	CA-FRE-1671	2191-58	DBTG	CD	VIS	6.6	600	22.2	2173
MORATTO 1988	CA-FRE-1671	2181-56	DBTG	CD	VIS	6.4	600	22.2	2044
MORATTO 1988	CA-FRE-1671	2178-55	DBTG	CD	VIS	5.9	600	22.2	1737
MORATTO 1988	CA-FRE-1671	2144-54	DBTG	CD	VIS	6.5	600	22.2	2108
MORATTO 1988	CA-FRE-1671	1281-35	DBTG	CD	VIS	9.6	600	22.2	4598
MORATTO 1988	CA-FRE-1671	999-12	DBTG	CD	VIS	6.1	600	22.2	1856
MORATTO 1988	CA-FRE-1671	2074-49	DBTG	CD	VIS	6.9	600	22.2	2375
MORATTO 1988	CA-FRE-1671	968-4	DBTG	CD	VIS	3.6	600	22.2	647
MORATTO 1988	CA-FRE-1671	968-2	DBTG	CD	VIS	7.1	600	22.2	2515
MORATTO 1988	CA-FRE-1671	964-1	DBTG	CD	VIS	3.8	600	22.2	720
MORATTO 1988	CA-FRE-1671	2202-60	DBTG	CD	VIS	6.9	600	22.2	2375
MORATTO 1988	CA-FRE-1671	1971-67	DBTG	CD	VIS	5.6	600	22.2	1565
MORATTO 1988	CA-FRE-1671	2123-52	DBTG	CD	VIS	5.5	600	22.2	1509
MORATTO 1988	CA-FRE-1671	2005-85	DBTG	CD	XRF	5.4	600	22.2	1455
MORATTO 1988	CA-FRE-1671	2005-88	DBTG	CD	VIS	2.9	600	22.2	420
MORATTO 1988	CA-FRE-1671	1975-80	DBTG	CD	XRF	5.3	600	22.2	1401
MORATTO 1988	CA-FRE-1671	1973-77	DBTG	CD	VIS	6.2	600	22.2	1918
MORATTO 1988	CA-FRE-1671	1971-70	DBTG	CD	VIS	5.8	600	22.2	1678
MORATTO 1988	CA-FRE-1671	1971-71	DBTG	CD	XRF	6.0	600	22.2	1796
MORATTO 1988	CA-FRE-1671	1971-72	DBTG	CD	VIS	7.0	600	22.2	2445
MORATTO 1988	CA-FRE-1671	1973-75	DBTG	CD	VIS	6.0	600	22.2	1796
MORATTO 1988	CA-FRE-1671	1973-74	DBTG	CD	XRF	8.1	600	22.2	3273
MORATTO 1988	CA-FRE-1671	1973-73	DBTG	CD	XRF	6.1	600	22.2	1856
MORATTO 1988	CA-FRE-1671	1805-14	DBTG	CD	XRF	6.8	600	22.2	2307
MORATTO 1988	CA-FRE-1671	2005-90	DBTG	CD	VIS	4.4	600	22.2	966
MUNDY 1991	CA-TUL-1227	EU1	DBTG	CD	VIS	4.0	6720	8.8	2603
MUNDY 1991	CA-TUL-1227	EU4	DBTG	FS	VIS	3.1	6720	8.8	1739
MUNDY 1991	CA-TUL-1227	EU3	DBTG	FS	VIS	4.0	6720	8.8	2896

Reference	Site	Id	Desc	Srce	Met	Rim	Elev	EHT	B.P.
MUNDY 1991	CA-TUL-1227	EU5	DBTG	FS	XRF	2.8	6720	8.8	1419
MUNDY 1991	CA-TUL-1227	EU5	DBTG	FS	VIS	3.6	6720	8.8	2346
MUNDY 1991	CA-TUL-1227	EU5	BIFACE	FS	XRF	3.2	6720	8.8	1853
MUNDY 1991	CA-TUL-1227	EU5	DBTG	FS	XRF	1.0	6720	8.8	181
MUNDY 1991	CA-TUL-1227	EU1	DBTG	FS	VIS	3.7	6720	8.8	2478
MUNDY 1991	CA-TUL-1227	EU1	DBTG	FS	VIS	3.9	6720	8.8	2753
MUNDY 1991	CA-TUL-1227	EU3	DBTG	CD	XRF	3.5	6720	8.8	1993
MUNDY 1991	CA-TUL-1227	EU4	DBTG	FS	XRF	1.2	6720	8.8	261
MUNDY 1991	CA-TUL-1227	EU1	DBTG	FS	VIS	3.3	6720	8.8	1971
MUNDY 1991	CA-TUL-1227	EU4	BIFACE	CD	XRF	2.7	6720	8.8	1186
MUNDY 1991	CA-TUL-1227	EU4	DBTG	FS	XRF	4.2	6720	8.8	3193
MUNDY 1991	CA-TUL-1227	EU3	DBTG	FS	VIS	3.5	6720	8.8	2217
MUNDY 1991	CA-TUL-1227	EU4	DBTG	FS	VIS	3.6	6720	8.8	2346
MUNDY 1991	CA-TUL-1227	EU1	DBTG	CD	XRF	1.8	6720	8.8	527
MUNDY 1991	CA-TUL-1227	EU1	DBTG	FS	VIS	6.9	6720	8.8	8617
MUNDY 1991	CA-TUL-1227	EU1	DBTG	FS	XRF	2.8	6720	8.8	1419
MUNDY 1991	CA-TUL-1227	EU1	DBTG	FS	VIS	3.7	6720	8.8	2478
MUNDY 1991	CA-TUL-1227	EU1	DBTG	FS	VIS	1.1	6720	8.8	219
MUNDY 1991	CA-TUL-1227	EU1	EMF	FS	XRF	3.8	6720	8.8	2613
MUNDY 1991	CA-TUL-1227	EU5	DBTG	FS	VIS	4.2	6720	8.8	3193
MUNDY 1991	CA-TUL-1227	EU1	EMF	FS	XRF	2.8	6720	8.8	1419
MUNDY 1991	CA-TUL-1227	EU1	DBTG	FS	XRF	5.0	6720	8.8	4525
MUNDY 1991	CA-TUL-1227	EU5	DBTG	FS	VIS	3.7	6720	8.8	2478
MUNDY 1991	CA-TUL-1227	EU1	DBTG	FS	XRF	3.0	6720	8.8	1629
MUNDY 1991	CA-TUL-1227	EU5	DBTG	FS	VIS	3.5	6720	8.8	2217
MUNDY 1991	CA-TUL-1227	EU1	DBTG	FS	VIS	3.5	6720	8.8	2217
MUNDY 1991	CA-TUL-1227	EU1	DBTG	FS	VIS	4.2	6720	8.8	3193
MUNDY 1991	CA-TUL-1227	EU1	DBTG	FS	XRF	3.6	6720	8.8	2346
MUNDY 1991	CA-TUL-1227	EU1	EMF	FS	XRF	2.4	6720	8.8	1042
MUNDY 1991	CA-TUL-1227	EU1	DBTG	FS	VIS	3.5	6720	8.8	2217
MUNDY 1991	CA-TUL-1227	EU5	DBTG	FS	XRF	4.2	6720	8.8	3193
MUNDY 1991	CA-TUL-1227	EU1	DBTG	FS	VIS	3.6	6720	8.8	2346
MUNDY 1991	CA-TUL-1227	EU1	DBTG	FS	VIS	4.4	6720	8.8	3504
MUNDY 1991	CA-TUL-1227	EU5	DBTG	FS	VIS	3.6	6720	8.8	2346
MUNDY 1991	CA-TUL-1227	EU2	DBTG	FS	VIS	1.3	6720	8.8	306
MUNDY 1991	CA-TUL-1227	EU3	DBTG	FS	VIS	1.7	6720	8.8	523
MUNDY 1991	CA-TUL-1227	EU3	DBTG	FS	VIS	5.4	6720	8.8	5278
MUNDY 1991	CA-TUL-1227	EU3	DBTG	FS	XRF	1.2	6720	8.8	261
MUNDY 1991	CA-TUL-1227	EU1	EMF	CD	XRF	5.2	6720	8.8	4399
MUNDY 1991	CA-TUL-1227	EU2	DBTG	FS	XRF	1.2	6720	8.8	261
MUNDY 1991	CA-TUL-1227	EU5	DBTG	FS	XRF	1.0	6720	8.8	181
MUNDY 1991	CA-TUL-1227	EU1	DBTG	CS	XRF	3.0	6720	8.8	1289
MUNDY 1991	CA-TUL-1227	EU1	DBTG	CS	XRF	3.3	6720	8.8	1559
MUNDY 1991	CA-TUL-1227	EU3	DBTG	FS	VIS	1.7	6720	8.8	523
MUNDY 1991	CA-TUL-1227	EU3	DBTG	FS	VIS	3.2	6720	8.8	1853
MUNDY 1991	CA-TUL-1227	EU5	EMF	FS	XRF	1.2	6720	8.8	261
MUNDY 1991	CA-TUL-1227	EU4	DBTG	CD	XRF	2.0	6720	8.8	651
MUNDY 1991	CA-TUL-1227	EU1	DBTG	CD	XRF	3.7	6720	8.8	2227
MUNDY 1991	CA-TUL-1227	EU3	EMF	FS	XRF	2.9	6720	8.8	1522
MUNDY 1991	CA-TUL-1227	EU1	DBTG	CS	XRF	4.0	6720	8.8	2291
MUNDY 1991	CA-TUL-1227	EU4	DBTG	CS	XRF	3.7	6720	8.8	1960
MUNDY 1991	CA-TUL-1227	EU1	DBTG	FS	XRF	1.6	6720	8.8	463
MUNDY 1991	CA-TUL-1227	EU4	DBTG	FS	XRF	3.6	6720	8.8	2346
MUNDY 1991	CA-TUL-1227	EU4	DBTG	CS	XRF	4.3	6720	8.8	2648
MUNDY 1991	CA-TUL-1227	EU4	DBTG	CD	XRF	1.9	6720	8.8	587
MUNDY 1991	CA-TUL-1227	EU1	EMF	CS	XRF	6.7	6720	8.8	6428
MUNDY 1991	CA-TUL-1227	EU1	DBTG	FS	XRF	1.2	6720	8.8	261
MUNDY 1991	CA-TUL-1227	EU4	DBTG	CS	XRF	2.0	6720	8.8	573
MUNDY 1991	CA-TUL-1227	EU5	DBTG	FS	XRF	4.2	6720	8.8	3193
ROPER WICKSTROM 1992	87A-31	5323	PRJPT	FS	XRF	1.8	10640	4.9	914
ROPER WICKSTROM 1992	87A-31	5327	PRJPT	FS	XRF	2.4	10640	4.9	1626
ROPER WICKSTROM 1992	87A-31	5328	BIFACE	CD	XRF	1.0	10640	4.9	235
ROPER WICKSTROM 1992	87A-31	5325	PRJPT	FS	XRF	2.3	10640	4.9	1493
ROPER WICKSTROM 1992	87A-32	5329-01	DBTG	CD	XRF	2.7	10640	4.9	1716
ROPER WICKSTROM 1992	87A-32	5329-03	DBTG	CD	XRF	1.5	10640	4.9	530
ROPER WICKSTROM 1992	87A-32	5329-11	DBTG	CD	XRF	1.7	10640	4.9	680
ROPER WICKSTROM 1992	87A-32	5329-06	DBTG	FS	XRF	2.2	10640	4.9	1366
ROPER WICKSTROM 1992	87A-32	5329-05	DBTG	CS	XRF	3.2	10640	4.9	2488
ROPER WICKSTROM 1992	87A-32	5329-11	DBTG	CD	XRF	2.4	10640	4.9	1356
ROPER WICKSTROM 1992	87A-32	5329-09	DBTG	FS	XRF	2.3	10640	4.9	1493
ROPER WICKSTROM 1992	87A-32	5329-07	DBTG	FS	XRF	1.5	10640	4.9	635
ROPER WICKSTROM 1992	87A-32	5329-04	DBTG	FS	XRF	2.1	10640	4.9	1245
ROPER WICKSTROM 1992	87A-32	5329-10	DBTG	CS	XRF	2.1	10640	4.9	1072
ROPER WICKSTROM 1992	CA-TUL-1198	5031	DBTG	FS	XRF	3.4	6560	9.0	2043
ROPER WICKSTROM 1992	CA-TUL-1198	5029	DBTG	FS	XRF	3.4	6560	9.0	2043
ROPER WICKSTROM 1992	CA-TUL-1198	5028	DBTG	FS	XRF	3.5	6560	9.0	2165
ROPER WICKSTROM 1992	CA-TUL-1198	5024	DBTG	FS	XRF	3.0	6560	9.0	1590
ROPER WICKSTROM 1992	CA-TUL-1198	4992	BIFACE	CD	XRF	3.0	6560	9.0	1435

Reference	Site	Id	Desc	Srce	Met	Rim	Elev	EHT	B.P.
ROPER WICKSTROM 1992	CA-TUL-1198	5030	DBTG	CD	XRF	4.4	6560	9.0	3088
ROPER WICKSTROM 1992	CA-TUL-1198	5018	DBTG	FS	XRF	2.4	6560	9.0	1018
ROPER WICKSTROM 1992	CA-TUL-1198	5013	DBTG	FS	XRF	1.1	6560	9.0	214
ROPER WICKSTROM 1992	CA-TUL-1198	5025	DBTG	CD	XRF	2.3	6560	9.0	844
ROPER WICKSTROM 1992	CA-TUL-1198	5017	DBTG	CS	XRF	4.0	6560	9.0	2227
ROPER WICKSTROM 1992	CA-TUL-1198	5014	DBTG	FS	XRF	1.1	6560	9.0	214
ROPER WICKSTROM 1992	CA-TUL-1198	5016	DBTG	FS	XRF	2.5	6560	9.0	1104
ROPER WICKSTROM 1992	CA-TUL-1198	4974	BIFACE	CS	XRF	1.0	6560	9.0	139
ROPER WICKSTROM 1992	CA-TUL-1198	5016	DBTG	FS	XRF	3.4	6560	9.0	2043
ROPER WICKSTROM 1992	CA-TUL-1198	5038	DBTG	FS	XRF	3.0	6560	9.0	1590
ROPER WICKSTROM 1992	CA-TUL-1198	5022	DBTG	FS	XRF	3.5	6560	9.0	2165
ROPER WICKSTROM 1992	CA-TUL-1198	5041	BIFACE	CS	XRF	5.3	6560	9.0	3909
ROPER WICKSTROM 1992	CA-TUL-1198	5011	DBTG	FS	XRF	1.0	6560	9.0	177
ROPER WICKSTROM 1992	CA-TUL-1198	5010	DBTG	FS	XRF	3.3	6560	9.0	1924
ROPER WICKSTROM 1992	CA-TUL-1198	4995	EDM	FS	XRF	2.0	6560	9.0	707
ROPER WICKSTROM 1992	CA-TUL-1198	5036	DBTG	FS	XRF	3.6	6560	9.0	2290
ROPER WICKSTROM 1992	CA-TUL-1198	5012	DBTG	FS	XRF	1.2	6560	9.0	254
ROPER WICKSTROM 1992	CA-TUL-1198	5032	DBTG	CD	XRF	4.2	6560	9.0	2813
ROPER WICKSTROM 1992	CA-TUL-1198	5021	DBTG	FS	XRF	3.7	6560	9.0	2419
ROPER WICKSTROM 1992	CA-TUL-1198	5040	DBTG	FS	XRF	3.2	6560	9.0	1809
ROPER WICKSTROM 1992	CA-TUL-1198	5039	DBTG	FS	XRF	3.3	6560	9.0	1924
ROPER WICKSTROM 1992	CA-TUL-1198	5023	DBTG	FS	XRF	3.6	6560	9.0	2290
ROPER WICKSTROM 1992	CA-TUL-1247	5163-03	DBTG	CS	XRF	5.5	6400	9.2	4089
ROPER WICKSTROM 1992	CA-TUL-1247	5163-02	DBTG	CS	XRF	1.2	6400	9.2	195
ROPER WICKSTROM 1992	CA-TUL-1247	5163-09	DBTG	CS	XRF	2.5	6400	9.2	845
ROPER WICKSTROM 1992	CA-TUL-1247	5163-04	DBTG	CS	XRF	2.4	6400	9.2	779
ROPER WICKSTROM 1992	CA-TUL-1247	5163-06	DBTG	CS	XRF	1.2	6400	9.2	195
ROPER WICKSTROM 1992	CA-TUL-1247	5164	DBTG	CS	XRF	3.8	6400	9.2	1952
ROPER WICKSTROM 1992	CA-TUL-1247	5165	DBTG	CS	XRF	1.0	6400	9.2	135
ROPER WICKSTROM 1992	CA-TUL-1247	5163-03	DBTG	CS	XRF	4.7	6400	9.2	2986
ROPER WICKSTROM 1992	CA-TUL-1247	5166	DBTG	CD	XRF	1.1	6400	9.2	189
ROPER WICKSTROM 1992	CA-TUL-1247	5163-01	DBTG	CS	XRF	1.2	6400	9.2	195
ROPER WICKSTROM 1992	CA-TUL-1247	5168	DBTG	CD	XRF	1.1	6400	9.2	189
ROPER WICKSTROM 1992	CA-TUL-1247	5167	DBTG	CS	XRF	1.3	6400	9.2	228
ROPER WICKSTROM 1992	CA-TUL-1250	5249-01	DBTG	CS	XRF	1.5	8500	6.7	425
ROPER WICKSTROM 1992	CA-TUL-1250	5254	DBTG	FS	XRF	2.3	8500	6.7	1208
ROPER WICKSTROM 1992	CA-TUL-1250	5252	DBTG	CS	XRF	2.8	8500	6.7	1481
ROPER WICKSTROM 1992	CA-TUL-1250	5249-01	DBTG	CS	XRF	5.2	8500	6.7	5108
ROPER WICKSTROM 1992	CA-TUL-1250	5250	DBTG	CS	XRF	2.9	8500	6.7	1589
ROPER WICKSTROM 1992	CA-TUL-1250	5253	DBTG	CS	XRF	4.4	8500	6.7	3658
ROPER WICKSTROM 1992	CA-TUL-1250	5251	DBTG	CS	XRF	2.5	8500	6.7	1181
ROPER WICKSTROM 1992	CA-TUL-1252	5255-03	DBTG	CS	XRF	4.9	8560	6.7	4573
ROPER WICKSTROM 1992	CA-TUL-1252	5259	DBTG	CS	XRF	3.9	8560	6.7	2897
ROPER WICKSTROM 1992	CA-TUL-1252	5257	DBTG	FS	XRF	3.4	8560	6.7	2659
ROPER WICKSTROM 1992	CA-TUL-1252	5255-01	DBTG	CS	XRF	1.6	8560	6.7	488
ROPER WICKSTROM 1992	CA-TUL-1252	5255-04	BIFACE	FS	XRF	4.5	8560	6.7	4657
ROPER WICKSTROM 1992	CA-TUL-1252	5260	DBTG	CS	XRF	4.6	8560	6.7	4030
ROPER WICKSTROM 1992	CA-TUL-1252	5256	DBTG	CS	XRF	3.6	8560	6.7	2469
ROPER WICKSTROM 1992	CA-TUL-1252	5255-02	DBTG	CS	XRF	2.5	8560	6.7	1190
ROPER WICKSTROM 1992	CA-TUL-1252	5255-02	DBTG	CS	XRF	3.9	8560	6.7	2897
ROPER WICKSTROM 1992	CA-TUL-1253	5262-01	DBTG	CS	XRF	5.4	8720	6.5	5675
ROPER WICKSTROM 1992	CA-TUL-1253	5266	DBTG	CS	XRF	1.6	8720	6.5	498
ROPER WICKSTROM 1992	CA-TUL-1253	5262-04	DBTG	CD	XRF	3.6	8720	6.5	2612
ROPER WICKSTROM 1992	CA-TUL-1253	5262-05	DBTG	CS	XRF	3.9	8720	6.5	2960
ROPER WICKSTROM 1992	CA-TUL-1253	5267	DBTG	CD	XRF	1.6	8720	6.5	516
ROPER WICKSTROM 1992	CA-TUL-1253	5262-03	DBTG	CD	XRF	1.4	8720	6.5	395
ROPER WICKSTROM 1992	CA-TUL-1253	5264	DBTG	CS	XRF	3.4	8720	6.5	2250
ROPER WICKSTROM 1992	CA-TUL-1253	5262-02	DBTG	CS	XRF	5.4	8720	6.5	5675
ROPER WICKSTROM 1992	CA-TUL-1253	5263	DBTG	CS	XRF	1.1	8720	6.5	235
ROPER WICKSTROM 1992	CA-TUL-1256	5184	DBTG	CS	XRF	5.9	7200	8.2	5409
ROPER WICKSTROM 1992	CA-TUL-1256	5182	DBTG	CD	XRF	3.5	7200	8.2	2110
ROPER WICKSTROM 1992	CA-TUL-1256	5183	DBTG	FS	XRF	3.4	7200	8.2	2241
ROPER WICKSTROM 1992	CA-TUL-1256	5186	DBTG	FS	XRF	3.3	7200	8.2	2111
ROPER WICKSTROM 1992	CA-TUL-1257	5194	DBTG	FS	XRF	2.0	7200	8.2	775
ROPER WICKSTROM 1992	CA-TUL-1257	5197	DBTG	CD	XRF	2.8	7200	8.2	1351
ROPER WICKSTROM 1992	CA-TUL-1257	5195	DBTG	FS	XRF	2.6	7200	8.2	1310
ROPER WICKSTROM 1992	CA-TUL-1257	5192-02	DBTG	CS	XRF	2.9	7200	8.2	1307
ROPER WICKSTROM 1992	CA-TUL-1257	5192-01	DBTG	FS	XRF	2.9	7200	8.2	1630
ROPER WICKSTROM 1992	CA-TUL-1257	5196	DBTG	FS	XRF	3.7	7200	8.2	2654
ROPER WICKSTROM 1992	CA-TUL-1257	5193	DBTG	CS	XRF	3.3	7200	8.2	1692
ROPER WICKSTROM 1992	CA-TUL-1258	5224	EDM	CD	XRF	4.6	7760	7.5	3878
ROPER WICKSTROM 1992	CA-TUL-1258	5201	PRJPT	FS	XRF	1.8	7760	7.5	677
ROPER WICKSTROM 1992	CA-TUL-1258	5232-03	DBTG	FS	XRF	4.5	7760	7.5	4229
ROPER WICKSTROM 1992	CA-TUL-1258	5222	BIFACE	FS	XRF	1.3	7760	7.5	353
ROPER WICKSTROM 1992	CA-TUL-1258	5223	PRJPT	CD	XRF	1.2	7760	7.5	264
ROPER WICKSTROM 1992	CA-TUL-1258	5218	PRJPT	CD	XRF	2.2	7760	7.5	887
ROPER WICKSTROM 1992	CA-TUL-1258	5221	PRJPT	FS	XRF	1.0	7760	7.5	209
ROPER WICKSTROM 1992	CA-TUL-1258	5234	EDM	FS	XRF	7.5	7760	7.5	11747

Reference	Site	Id	Desc	Srce	Met	Rim	Elev	EHT	B.P.
ROPER WICKSTROM 1992	CA-TUL-1258	5232-02	DBTG	FS	XRF	2.0	7760	7.5	835
ROPER WICKSTROM 1992	CA-TUL-1258	5224	EDM	CD	XRF	3.6	7760	7.5	2375
ROPER WICKSTROM 1992	CA-TUL-1258	5217	PRJPT	FS	XRF	2.2	7760	7.5	1011
ROPER WICKSTROM 1992	CA-TUL-1258	5216	PRJPT	FS	XRF	1.2	7760	7.5	301
ROPER WICKSTROM 1992	CA-TUL-1258	5231	EDM	FS	XRF	1.9	7760	7.5	754
ROPER WICKSTROM 1992	CA-TUL-1258	5225	EDM	FS	XRF	2.0	7760	7.5	835
ROPER WICKSTROM 1992	CA-TUL-1258	5205	BIFACE	FS	XRF	2.4	7760	7.5	1203
ROPER WICKSTROM 1992	CA-TUL-1258	5212	BIFACE	CS	XRF	1.8	7760	7.5	550
ROPER WICKSTROM 1992	CA-TUL-1258	5215	PRJPT	FS	XRF	1.2	7760	7.5	301
ROPER WICKSTROM 1992	CA-TUL-1258	5213	PRJPT	FS	XRF	1.7	7760	7.5	604
ROPER WICKSTROM 1992	CA-TUL-1258	5220	BIFACE	FS	XRF	2.3	7760	7.5	1105
ROPER WICKSTROM 1992	CA-TUL-1258	5205	BIFACE	FS	XRF	3.1	7760	7.5	2007
ROPER WICKSTROM 1992	CA-TUL-1258	5206	PRJPT	FS	XRF	1.1	7760	7.5	253
ROPER WICKSTROM 1992	CA-TUL-1258	5210	PRJPT	FS	XRF	1.1	7760	7.5	253
ROPER WICKSTROM 1992	CA-TUL-1258	5225	EDM	FS	XRF	1.4	7760	7.5	409
ROPER WICKSTROM 1992	CA-TUL-304	5273	DBTG	CS	XRF	4.3	8499	6.7	3493
ROPER WICKSTROM 1992	CA-TUL-304	5274	DBTG	CS	XRF	2.0	8499	6.7	756
ROPER WICKSTROM 1992	CA-TUL-304	5270	DBTG	CS	XRF	3.4	8499	6.7	2184
ROPER WICKSTROM 1992	CA-TUL-304	5269-04	DBTG	CS	XRF	3.4	8499	6.7	2184
ROPER WICKSTROM 1992	CA-TUL-304	5269-03	DBTG	CS	XRF	2.6	8499	6.7	1277
ROPER WICKSTROM 1992	CA-TUL-304	5277	PRJPT	FS	XRF	1.9	8499	6.7	825
ROPER WICKSTROM 1992	CA-TUL-304	5269-01	DBTG	CS	XRF	3.8	8499	6.7	2728
ROPER WICKSTROM 1992	CA-TUL-304	5275	PRJPT	CS	XRF	1.5	8499	6.7	425
ROPER WICKSTROM 1992	CA-TUL-304	5272	DBTG	FS	XRF	2.3	8499	6.7	1208
ROPER WICKSTROM 1992	CA-TUL-304	5271	DBTG	CS	XRF	1.7	8499	6.7	546
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1440	B	DBTG	CD	VIS	1.4	6880	8.6	325
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1440	C	DBTG	CD	VIS	2.8	6880	8.6	1301
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1440	E	DBTG	CD	VIS	1.0	6880	8.6	166
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1440	E	DBTG	CD	VIS	3.2	6880	8.6	1699
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1440	D	DBTG	CD	VIS	1.7	6880	8.6	479
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1440	C	DBTG	CD	VIS	1.8	6880	8.6	538
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1440	A	DBTG	CD	VIS	3.1	6880	8.6	1594
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1440	B	DBTG	CD	VIS	2.5	6880	8.6	1037
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1440	E	DBTG	CD	VIS	1.1	6880	8.6	201
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1440	D	DBTG	CD	VIS	4.2	6880	8.6	2927
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1440	B	DBTG	CD	VIS	4.1	6880	8.6	2789
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1440	E	DBTG	CD	VIS	2.7	6880	8.6	1209
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1440	D	DBTG	CD	VIS	3.7	6880	8.6	2271
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1440	D	DBTG	CD	VIS	2.3	6880	8.6	878
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1440	D	DBTG	CD	VIS	1.4	6880	8.6	325
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1440	B	DBTG	CD	VIS	6.5	6880	8.6	7009
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1440	B	DBTG	CD	VIS	3.0	6880	8.6	1493
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1440	C	DBTG	CD	VIS	3.8	6880	8.6	2396
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1440	E	DBTG	CD	VIS	1.4	6880	8.6	325
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1440	B	DBTG	CD	VIS	3.5	6880	8.6	2032
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1440	B	DBTG	CD	VIS	2.3	6880	8.6	878
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1440	C	DBTG	CD	VIS	3.4	6880	8.6	1918
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1440	A	DBTG	CD	VIS	3.3	6880	8.6	1807
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1440	D	DBTG	CD	VIS	4.3	6880	8.6	3068
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1440	E	DBTG	CD	VIS	3.8	6880	8.6	2396
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1440	A	DBTG	CD	VIS	3.9	6880	8.6	2523
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1440	A	DBTG	CD	VIS	3.1	6880	8.6	1594
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1440	B	DBTG	CD	VIS	1.9	6880	8.6	599
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1440	A	DBTG	CD	VIS	2.8	6880	8.6	1301
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1440	A	DBTG	CD	VIS	1.4	6880	8.6	325
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1440	E	DBTG	CD	VIS	3.9	6880	8.6	2523
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1440	E	DBTG	CD	VIS	2.4	6880	8.6	956
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1440	A	DBTG	CD	VIS	2.7	6880	8.6	1209
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1440	B	DBTG	CD	VIS	2.4	6880	8.6	956
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1440	D	DBTG	CD	VIS	3.6	6880	8.6	2150
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1440	C	DBTG	CD	VIS	3.7	6880	8.6	2271
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1440	C	DBTG	CD	VIS	2.9	6880	8.6	1395
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1440	E	DBTG	CD	VIS	4.4	6880	8.6	3212
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1440	A	DBTG	CD	VIS	3.1	6880	8.6	1594
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	E	DBTG	CD	VIS	0.9	6627	8.9	130
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	E	DBTG	CD	VIS	2.3	6627	8.9	851
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	A	DBTG	CD	VIS	3.3	6627	8.9	1752
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	C	DBTG	CD	VIS	2.0	6627	8.9	643
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	A	DBTG	CD	VIS	1.9	6627	8.9	581
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	E	DBTG	CD	VIS	2.4	6627	8.9	926
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	A	DBTG	CD	VIS	2.4	6627	8.9	926
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	B	DBTG	CD	VIS	1.9	6627	8.9	581
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	D	DBTG	CD	VIS	2.7	6627	8.9	1173
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	E	DBTG	CD	VIS	2.4	6627	8.9	926
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	A	DBTG	CD	VIS	1.1	6627	8.9	195
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	C	DBTG	CD	VIS	0.9	6627	8.9	130
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	B	DBTG	CD	VIS	1.9	6627	8.9	581
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	E	DBTG	CD	VIS	3.3	6627	8.9	1752

Reference	Site	Id	Desc	Srce	Met	Rim	Elev	EHT	B.P.
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	D	DBTG	CD	VIS	2.6	6627	8.9	1087
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	C	DBTG	CD	VIS	2.2	6627	8.9	778
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	B	DBTG	CD	VIS	2.3	6627	8.9	851
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	C	DBTG	CD	VIS	2.4	6627	8.9	926
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	D	DBTG	CD	VIS	2.9	6627	8.9	1353
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	E	DBTG	CD	VIS	2.1	6627	8.9	709
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	E	DBTG	CD	VIS	3.6	6627	8.9	2084
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	C	DBTG	CD	VIS	2.5	6627	8.9	1005
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	B	DBTG	CD	VIS	2.7	6627	8.9	1173
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	B	DBTG	CD	VIS	3.5	6627	8.9	1970
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	C	DBTG	CD	VIS	2.0	6627	8.9	643
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	D	DBTG	CD	VIS	1.7	6627	8.9	465
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	A	DBTG	CD	VIS	2.8	6627	8.9	1261
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	C	DBTG	CD	VIS	1.7	6627	8.9	465
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	D	DBTG	CD	VIS	2.6	6627	8.9	1087
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	C	DBTG	CD	VIS	2.5	6627	8.9	1005
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	A	DBTG	CD	VIS	0.8	6627	8.9	103
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	B	DBTG	CD	VIS	2.2	6627	8.9	778
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	E	DBTG	CD	VIS	3.3	6627	8.9	1752
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	C	DBTG	CD	VIS	2.6	6627	8.9	1087
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	D	DBTG	CD	VIS	1.8	6627	8.9	521
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	A	DBTG	CD	VIS	1.9	6627	8.9	581
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	A	DBTG	CD	VIS	0.9	6627	8.9	130
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	A	DBTG	CD	VIS	2.5	6627	8.9	1005
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	C	DBTG	CD	VIS	1.5	6627	8.9	362
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	B	DBTG	CD	VIS	2.2	6627	8.9	778
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	E	DBTG	CD	VIS	3.5	6627	8.9	1970
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	E	DBTG	CD	VIS	2.5	6627	8.9	1005
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	E	DBTG	CD	VIS	1.9	6627	8.9	581
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	C	DBTG	CD	VIS	2.3	6627	8.9	851
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	D	DBTG	CD	VIS	2.0	6627	8.9	643
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	E	DBTG	CD	VIS	2.6	6627	8.9	1087
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	D	DBTG	CD	VIS	2.4	6627	8.9	926
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	B	DBTG	CD	VIS	4.2	6627	8.9	2837
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	A	DBTG	CD	VIS	2.4	6627	8.9	926
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	E	DBTG	CD	VIS	2.0	6627	8.9	643
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	B	DBTG	CD	VIS	2.5	6627	8.9	1005
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	C	DBTG	CD	VIS	2.5	6627	8.9	1005
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	D	DBTG	CD	VIS	2.5	6627	8.9	1005
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	E	DBTG	CD	VIS	2.4	6627	8.9	926
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	B	DBTG	CD	VIS	3.1	6627	8.9	1546
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	D	DBTG	CD	VIS	1.0	6627	8.9	161
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	D	DBTG	CD	VIS	2.3	6627	8.9	851
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	C	DBTG	CD	VIS	2.8	6627	8.9	1261
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	A	DBTG	CD	VIS	3.0	6627	8.9	1448
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	D	DBTG	CD	VIS	2.7	6627	8.9	1173
SINGLETON MORATTO MUNDAY 1984	CA-FRE-1447	D	DBTG	CD	VIS	1.0	6627	8.9	161
WICKSTROM ET AL 1991	CA-FRE-1044	00211	PRJPT	FS	VIS	2.5	5600	10.4	945
WICKSTROM ET AL 1991	CA-FRE-1044	00374	PRJPT	FS	XRF	4.2	5600	10.4	2668
WICKSTROM ET AL 1991	CA-FRE-1044	00460	PRJPT	CD	VIS	3.3	5600	10.4	1526
WICKSTROM ET AL 1991	CA-FRE-1044	00104	BIFACE	CD	VIS	2.5	5600	10.4	876
WICKSTROM ET AL 1991	CA-FRE-1044	306C	DBTG	CD	VIS	1.0	5600	10.4	140
WICKSTROM ET AL 1991	CA-FRE-1044	306B	DBTG	CD	VIS	3.7	5600	10.4	1918
WICKSTROM ET AL 1991	CA-FRE-1044	306A	DBTG	CD	VIS	2.9	5600	10.4	1179
WICKSTROM ET AL 1991	CA-FRE-1044	362J	DBTG	CD	VIS	2.4	5600	10.4	807
WICKSTROM ET AL 1991	CA-FRE-1044	362I	DBTG	CD	VIS	2.8	5600	10.4	1099
WICKSTROM ET AL 1991	CA-FRE-1044	362H	DBTG	CD	VIS	3.0	5600	10.4	1261
WICKSTROM ET AL 1991	CA-FRE-1044	362G	DBTG	CD	VIS	3.0	5600	10.4	1261
WICKSTROM ET AL 1991	CA-FRE-1044	315B	DBTG	CD	VIS	1.4	5600	10.4	275
WICKSTROM ET AL 1991	CA-FRE-1044	00449	PRJPT	CD	XRF	2.5	5600	10.4	876
WICKSTROM ET AL 1991	CA-FRE-1044	330F	DBTG	CD	VIS	1.3	5600	10.4	237
WICKSTROM ET AL 1991	CA-FRE-1044	00339	BIFACE	CD	VIS	4.4	5600	10.4	2713
WICKSTROM ET AL 1991	CA-FRE-1044	00336	BIFACE	CD	VIS	3.2	5600	10.4	1435
WICKSTROM ET AL 1991	CA-FRE-1044	346D	DBTG	CD	VIS	3.6	5600	10.4	1816
WICKSTROM ET AL 1991	CA-FRE-1044	00115	BIFACE	CD	VIS	3.9	5600	10.4	2131
WICKSTROM ET AL 1991	CA-FRE-1044	315A	DBTG	CD	VIS	2.1	5600	10.4	618
WICKSTROM ET AL 1991	CA-FRE-1044	00542	PRJPT	CD	VIS	4.6	5600	10.4	2965
WICKSTROM ET AL 1991	CA-FRE-1044	00409	BIFACE	CD	VIS	3.0	5600	10.4	1261
WICKSTROM ET AL 1991	CA-FRE-1044	00420	BIFACE	CD	VIS	4.2	5600	10.4	2472
WICKSTROM ET AL 1991	CA-FRE-1044	00419	PRJPT	CD	VIS	3.0	5600	10.4	1261
WICKSTROM ET AL 1991	CA-FRE-1044	00407	PRJPT	CD	XRF	3.7	5600	10.4	1918
WICKSTROM ET AL 1991	CA-FRE-1044	00399	PRJPT	CD	XRF	2.6	5600	10.4	947
WICKSTROM ET AL 1991	CA-FRE-1044	00382	PRJPT	CD	XRF	1.8	5600	10.4	454
WICKSTROM ET AL 1991	CA-FRE-1044	00111	PRJPT	CD	XRF	3.7	5600	10.4	1918
WICKSTROM ET AL 1991	CA-FRE-1044	00110	PRJPT	CD	XRF	2.5	5600	10.4	876
WICKSTROM ET AL 1991	CA-FRE-1044	00004	PRJPT	CD	VIS	1.5	5600	10.4	315
WICKSTROM ET AL 1991	CA-FRE-1044	00469	PRJPT	CD	XRF	2.5	5600	10.4	876
WICKSTROM ET AL 1991	CA-FRE-1044	00573	BIFACE	CD	VIS	5.0	5600	10.4	3503

Reference	Site	Id	Desc	Srce	Met	Rim	Elev	EHT	B.P.
WICKSTROM ET AL 1991	CA-FRE-1044	330C	DBTG	CD	VIS	7.4	5600	10.4	7674
WICKSTROM ET AL 1991	CA-FRE-1044	00329	BIFACE	CD	VIS	8.2	5600	10.4	9423
WICKSTROM ET AL 1991	CA-FRE-1044	330H	DBTG	CD	VIS	3.2	5600	10.4	1435
WICKSTROM ET AL 1991	CA-FRE-1044	330E	DBTG	CD	VIS	1.3	5600	10.4	237
WICKSTROM ET AL 1991	CA-FRE-1044	362C	DBTG	CD	VIS	3.2	5600	10.4	1435
WICKSTROM ET AL 1991	CA-FRE-1044	362B	DBTG	CD	VIS	3.3	5600	10.4	1526
WICKSTROM ET AL 1991	CA-FRE-1044	362A	DBTG	CD	VIS	5.8	5600	10.4	4714
WICKSTROM ET AL 1991	CA-FRE-1044	346J	DBTG	CD	VIS	1.0	5600	10.4	140
WICKSTROM ET AL 1991	CA-FRE-1044	346I	DBTG	CD	VIS	2.1	5600	10.4	618
WICKSTROM ET AL 1991	CA-FRE-1044	346H	DBTG	CD	VIS	2.1	5600	10.4	618
WICKSTROM ET AL 1991	CA-FRE-1044	346G	DBTG	CD	VIS	4.3	5600	10.4	2591
WICKSTROM ET AL 1991	CA-FRE-1044	362E	DBTG	CD	VIS	3.1	5600	10.4	1347
WICKSTROM ET AL 1991	CA-FRE-1044	346E	DBTG	CD	VIS	3.5	5600	10.4	1717
WICKSTROM ET AL 1991	CA-FRE-1044	362F	DBTG	CD	VIS	2.3	5600	10.4	741
WICKSTROM ET AL 1991	CA-FRE-1044	346B	DBTG	CD	VIS	1.5	5600	10.4	315
WICKSTROM ET AL 1991	CA-FRE-1044	00506	PRJPT	CD	XRF	4.0	5600	10.4	2242
WICKSTROM ET AL 1991	CA-FRE-1044	306D	DBTG	CD	VIS	1.6	5600	10.4	359
WICKSTROM ET AL 1991	CA-FRE-1044	427C	DBTG	CD	VIS	1.7	5600	10.4	405
WICKSTROM ET AL 1991	CA-FRE-1044	330A	DBTG	CD	VIS	2.5	5600	10.4	876
WICKSTROM ET AL 1991	CA-FRE-1044	362D	DBTG	CD	VIS	3.3	5600	10.4	1526
WICKSTROM ET AL 1991	CA-FRE-1044	315C	DBTG	CD	VIS	3.5	5600	10.4	1717
WICKSTROM ET AL 1991	CA-FRE-1044	315D	DBTG	CD	VIS	2.5	5600	10.4	876
WICKSTROM ET AL 1991	CA-FRE-1044	315E	DBTG	CD	VIS	1.1	5600	10.4	170
WICKSTROM ET AL 1991	CA-FRE-1044	330J	DBTG	CD	VIS	3.5	5600	10.4	1717
WICKSTROM ET AL 1991	CA-FRE-1044	427B	DBTG	CD	VIS	2.3	5600	10.4	741
WICKSTROM ET AL 1991	CA-FRE-1044	330I	DBTG	CD	VIS	1.5	5600	10.4	315
WICKSTROM ET AL 1991	CA-FRE-1044	427D	DBTG	CD	VIS	1.1	5600	10.4	170
WICKSTROM ET AL 1991	CA-FRE-1044	427E	DBTG	CD	VIS	2.6	5600	10.4	947
WICKSTROM ET AL 1991	CA-FRE-1044	306E	DBTG	CD	VIS	1.8	5600	10.4	454
WICKSTROM ET AL 1991	CA-FRE-1044	346F	DBTG	CD	VIS	3.0	5600	10.4	1261
WICKSTROM ET AL 1991	CA-FRE-1044	330G	DBTG	CD	VIS	1.5	5600	10.4	315
WICKSTROM ET AL 1991	CA-FRE-1044	330D	DBTG	CD	VIS	1.6	5600	10.4	359
WICKSTROM ET AL 1991	CA-FRE-1044	427A	DBTG	CD	VIS	2.1	5600	10.4	618
WICKSTROM ET AL 1991	CA-FRE-1044	239-1	DBTG	CD	VIS	2.2	5600	10.4	678
WICKSTROM ET AL 1991	CA-FRE-1044	330C	DBTG	CD	VIS	3.9	5600	10.4	2131
WICKSTROM ET AL 1991	CA-FRE-1044	390D	DBTG	CD	VIS	2.3	5600	10.4	741
WICKSTROM ET AL 1991	CA-FRE-1044	390C	DBTG	CD	VIS	3.0	5600	10.4	1261
WICKSTROM ET AL 1991	CA-FRE-1044	390B	DBTG	CD	VIS	2.9	5600	10.4	1179
WICKSTROM ET AL 1991	CA-FRE-1044	390A	DBTG	CD	VIS	3.2	5600	10.4	1435
WICKSTROM ET AL 1991	CA-FRE-1044	430D	DBTG	CD	VIS	3.1	5600	10.4	1347
WICKSTROM ET AL 1991	CA-FRE-1044	411B	DBTG	CD	VIS	2.4	5600	10.4	807
WICKSTROM ET AL 1991	CA-FRE-1044	218-3	DBTG	CD	VIS	1.5	5600	10.4	315
WICKSTROM ET AL 1991	CA-FRE-1044	430B	DBTG	CD	VIS	3.3	5600	10.4	1526
WICKSTROM ET AL 1991	CA-FRE-1044	245-3	DBTG	CD	VIS	1.7	5600	10.4	405
WICKSTROM ET AL 1991	CA-FRE-1044	245-2	DBTG	CD	VIS	2.7	5600	10.4	1022
WICKSTROM ET AL 1991	CA-FRE-1044	245-1	DBTG	CD	VIS	1.5	5600	10.4	315
WICKSTROM ET AL 1991	CA-FRE-1044	239-4	DBTG	CD	VIS	2.6	5600	10.4	947
WICKSTROM ET AL 1991	CA-FRE-1044	390G	DBTG	CD	VIS	3.8	5600	10.4	2024
WICKSTROM ET AL 1991	CA-FRE-1044	212-4	DBTG	CD	VIS	1.1	5600	10.4	170
WICKSTROM ET AL 1991	CA-FRE-1044	218-5	DBTG	CD	VIS	3.7	5600	10.4	1918
WICKSTROM ET AL 1991	CA-FRE-1044	245-5	DBTG	CD	VIS	2.2	5600	10.4	678
WICKSTROM ET AL 1991	CA-FRE-1044	201-4	DBTG	CD	VIS	1.6	5600	10.4	359
WICKSTROM ET AL 1991	CA-FRE-1044	201-5	DBTG	CD	VIS	1.0	5600	10.4	140
WICKSTROM ET AL 1991	CA-FRE-1044	212-1	DBTG	CD	VIS	3.7	5600	10.4	1918
WICKSTROM ET AL 1991	CA-FRE-1044	239-3	DBTG	CD	VIS	1.0	5600	10.4	140
WICKSTROM ET AL 1991	CA-FRE-1044	212-3	DBTG	CD	VIS	3.7	5600	10.4	1918
WICKSTROM ET AL 1991	CA-FRE-1044	239-2	DBTG	CD	VIS	2.7	5600	10.4	1022
WICKSTROM ET AL 1991	CA-FRE-1044	212-5	DBTG	CD	VIS	3.2	5600	10.4	1435
WICKSTROM ET AL 1991	CA-FRE-1044	218-1	DBTG	CD	VIS	3.5	5600	10.4	1717
WICKSTROM ET AL 1991	CA-FRE-1044	201-2	DBTG	CD	VIS	1.8	5600	10.4	454
WICKSTROM ET AL 1991	CA-FRE-1044	218-4	DBTG	CD	VIS	4.0	5600	10.4	2242
WICKSTROM ET AL 1991	CA-FRE-1044	201-1	DBTG	CD	VIS	3.1	5600	10.4	1347
WICKSTROM ET AL 1991	CA-FRE-1044	201-3	DBTG	CD	VIS	1.0	5600	10.4	140
WICKSTROM ET AL 1991	CA-FRE-1044	212-2	DBTG	CD	VIS	3.9	5600	10.4	2131
WICKSTROM ET AL 1991	CA-FRE-1044	00425	BIFACE	CD	VIS	2.2	5600	10.4	678
WICKSTROM ET AL 1991	CA-FRE-1044	346C	DBTG	CD	VIS	4.7	5600	10.4	3096
WICKSTROM ET AL 1991	CA-FRE-1044	00401	PREFORM	CD	VIS	3.2	5600	10.4	1435
WICKSTROM ET AL 1991	CA-FRE-1044	00471	PREFORM	CD	VIS	4.7	5600	10.4	3096
WICKSTROM ET AL 1991	CA-FRE-1044	00464	PREFORM	CD	VIS	4.2	5600	10.4	2472
WICKSTROM ET AL 1991	CA-FRE-1044	00437	PREFORM	CD	VIS	1.2	5600	10.4	202
WICKSTROM ET AL 1991	CA-FRE-1044	00408	BIFACE	CD	VIS	2.5	5600	10.4	876
WICKSTROM ET AL 1991	CA-FRE-1044	00029	PREFORM	CD	VIS	2.8	5600	10.4	1099
WICKSTROM ET AL 1991	CA-FRE-1044	430C	DBTG	CD	VIS	3.0	5600	10.4	1261
WICKSTROM ET AL 1991	CA-FRE-1044	00529	BIFACE	CD	VIS	2.8	5600	10.4	1099
WICKSTROM ET AL 1991	CA-FRE-1044	00507	BIFACE	CD	VIS	4.3	5600	10.4	2591
WICKSTROM ET AL 1991	CA-FRE-1044	00494	BIFACE	CD	VIS	3.9	5600	10.4	2131
WICKSTROM ET AL 1991	CA-FRE-1044	00488	BIFACE	CD	VIS	2.8	5600	10.4	1099
WICKSTROM ET AL 1991	CA-FRE-1044	00472	BIFACE	CD	VIS	5.1	5600	10.4	3645

Reference	Site	Id	Desc	Srce	Met	Rim	Elev	EHT	B.P.
WICKSTROM ET AL 1991	CA-FRE-1044	390E	DBTG	CD	VIS	3.6	5600	10.4	1816
WICKSTROM ET AL 1991	CA-FRE-1044	411I	DBTG	CD	VIS	2.9	5600	10.4	1179
WICKSTROM ET AL 1991	CA-FRE-1044	411A	DBTG	CD	VIS	2.9	5600	10.4	1179
WICKSTROM ET AL 1991	CA-FRE-1044	411C	DBTG	CD	VIS	2.4	5600	10.4	807
WICKSTROM ET AL 1991	CA-FRE-1044	411D	DBTG	CD	VIS	2.3	5600	10.4	741
WICKSTROM ET AL 1991	CA-FRE-1044	411E	DBTG	CD	VIS	2.3	5600	10.4	741
WICKSTROM ET AL 1991	CA-FRE-1044	411F	DBTG	CD	VIS	4.2	5600	10.4	2472
WICKSTROM ET AL 1991	CA-FRE-1044	00470	BIFACE	CD	VIS	3.1	5600	10.4	1347
WICKSTROM ET AL 1991	CA-FRE-1044	411H	DBTG	CD	VIS	2.7	5600	10.4	1022
WICKSTROM ET AL 1991	CA-FRE-1044	00438	BIFACE	CD	VIS	2.8	5600	10.4	1099
WICKSTROM ET AL 1991	CA-FRE-1044	411J	DBTG	CD	VIS	2.4	5600	10.4	807
WICKSTROM ET AL 1991	CA-FRE-1044	390H	DBTG	CD	VIS	3.1	5600	10.4	1347
WICKSTROM ET AL 1991	CA-FRE-1044	245-4	DBTG	CD	VIS	3.0	5600	10.4	1261
WICKSTROM ET AL 1991	CA-FRE-1044	430A	DBTG	CD	VIS	3.3	5600	10.4	1526
WICKSTROM ET AL 1991	CA-FRE-1044	00377	PREFORM	CD	VIS	1.0	5600	10.4	140
WICKSTROM ET AL 1991	CA-FRE-1044	330B	DBTG	CD	VIS	1.0	5600	10.4	140
WICKSTROM ET AL 1991	CA-FRE-1044	411G	DBTG	CD	VIS	2.1	5600	10.4	618
WICKSTROM ET AL 1991	CA-FRE-1044	346A	DBTG	CD	VIS	3.2	5600	10.4	1435
WICKSTROM ET AL 1991	CA-FRE-1360	00300	PRJPT	CD	VIS	1.2	5600	10.4	202
WICKSTROM ET AL 1991	CA-FRE-1360	1242	DBTG	CD	VIS	2.3	5600	10.4	741
WICKSTROM ET AL 1991	CA-FRE-1360	214D	DBTG	CD	VIS	5.0	5600	10.4	3503
WICKSTROM ET AL 1991	CA-FRE-1360	230A	DBTG	CD	VIS	2.5	5600	10.4	876
WICKSTROM ET AL 1991	CA-FRE-1360	1223	DBTG	CD	VIS	2.9	5600	10.4	1179
WICKSTROM ET AL 1991	CA-FRE-1360	1224	DBTG	CD	VIS	2.2	5600	10.4	678
WICKSTROM ET AL 1991	CA-FRE-1360	1225	DBTG	CD	VIS	2.4	5600	10.4	807
WICKSTROM ET AL 1991	CA-FRE-1360	1226	DBTG	CD	VIS	5.4	5600	10.4	4086
WICKSTROM ET AL 1991	CA-FRE-1360	1227	DBTG	CD	VIS	6.4	5600	10.4	5740
WICKSTROM ET AL 1991	CA-FRE-1360	1228	DBTG	CD	VIS	2.5	5600	10.4	876
WICKSTROM ET AL 1991	CA-FRE-1360	344D	DBTG	CD	VIS	2.6	5600	10.4	947
WICKSTROM ET AL 1991	CA-FRE-1360	00570	PREFORM	CD	VIS	4.6	5600	10.4	2965
WICKSTROM ET AL 1991	CA-FRE-1360	222A	DBTG	CD	VIS	5.5	5600	10.4	4239
WICKSTROM ET AL 1991	CA-FRE-1360	00280	PRJPT	CD	VIS	2.1	5600	10.4	618
WICKSTROM ET AL 1991	CA-FRE-1360	222B	DBTG	CD	VIS	4.4	5600	10.4	2713
WICKSTROM ET AL 1991	CA-FRE-1360	00327	PRJPT	CD	VIS	1.2	5600	10.4	202
WICKSTROM ET AL 1991	CA-FRE-1360	00407	PRJPT	CD	VIS	1.4	5600	10.4	275
WICKSTROM ET AL 1991	CA-FRE-1360	00408	PRJPT	CD	XRF	1.5	5600	10.4	315
WICKSTROM ET AL 1991	CA-FRE-1360	00414	PRJPT	CD	VIS	1.8	5600	10.4	454
WICKSTROM ET AL 1991	CA-FRE-1360	1293	DBTG	CD	VIS	4.5	5600	10.4	2838
WICKSTROM ET AL 1991	CA-FRE-1360	00638	BIFACE	CD	VIS	4.0	5600	10.4	2242
WICKSTROM ET AL 1991	CA-FRE-1360	00427	PRJPT	CD	VIS	1.6	5600	10.4	359
WICKSTROM ET AL 1991	CA-FRE-1360	00512	BIFACE	CD	VIS	3.5	5600	10.4	1717
WICKSTROM ET AL 1991	CA-FRE-1360	00430	PRJPT	CD	VIS	4.8	5600	10.4	3229
WICKSTROM ET AL 1991	CA-FRE-1360	00503	PRJPT	CD	VIS	1.3	5600	10.4	237
WICKSTROM ET AL 1991	CA-FRE-1360	1230	DBTG	CD	VIS	5.9	5600	10.4	4878
WICKSTROM ET AL 1991	CA-FRE-1360	233D	DBTG	CD	VIS	3.5	5600	10.4	1717
WICKSTROM ET AL 1991	CA-FRE-1360	1240	DBTG	CD	VIS	5.1	5600	10.4	3645
WICKSTROM ET AL 1991	CA-FRE-1360	1239	DBTG	CD	VIS	6.6	5600	10.4	6104
WICKSTROM ET AL 1991	CA-FRE-1360	1237	DBTG	CD	VIS	3.9	5600	10.4	2131
WICKSTROM ET AL 1991	CA-FRE-1360	1236	DBTG	CD	VIS	3.3	5600	10.4	1526
WICKSTROM ET AL 1991	CA-FRE-1360	1235	DBTG	CD	VIS	3.5	5600	10.4	1717
WICKSTROM ET AL 1991	CA-FRE-1360	1234	DBTG	CD	VIS	4.7	5600	10.4	3096
WICKSTROM ET AL 1991	CA-FRE-1360	00469	PRJPT	FS	XRF	4.7	5600	10.4	3341
WICKSTROM ET AL 1991	CA-FRE-1360	1232	DBTG	CD	VIS	3.9	5600	10.4	2131
WICKSTROM ET AL 1991	CA-FRE-1360	1245	DBTG	CD	VIS	2.7	5600	10.4	1022
WICKSTROM ET AL 1991	CA-FRE-1360	228D	DBTG	CD	VIS	4.9	5600	10.4	3365
WICKSTROM ET AL 1991	CA-FRE-1360	242A	DBTG	CD	VIS	4.2	5600	10.4	2472
WICKSTROM ET AL 1991	CA-FRE-1360	214E	DBTG	CD	VIS	1.4	5600	10.4	275
WICKSTROM ET AL 1991	CA-FRE-1360	239A	DBTG	CD	VIS	3.7	5600	10.4	1918
WICKSTROM ET AL 1991	CA-FRE-1360	00339	BIFACE	CD	VIS	3.9	5600	10.4	2131
WICKSTROM ET AL 1991	CA-FRE-1360	233C	DBTG	CD	VIS	3.3	5600	10.4	1526
WICKSTROM ET AL 1991	CA-FRE-1360	233B	DBTG	CD	VIS	3.3	5600	10.4	1526
WICKSTROM ET AL 1991	CA-FRE-1360	233A	DBTG	CD	VIS	2.1	5600	10.4	618
WICKSTROM ET AL 1991	CA-FRE-1360	230D	DBTG	CD	VIS	6.0	5600	10.4	5045
WICKSTROM ET AL 1991	CA-FRE-1360	214A	DBTG	CD	VIS	4.9	5600	10.4	3365
WICKSTROM ET AL 1991	CA-FRE-1360	228E	DBTG	CD	VIS	2.1	5600	10.4	618
WICKSTROM ET AL 1991	CA-FRE-1360	1291	DBTG	CD	VIS	3.3	5600	10.4	1526
WICKSTROM ET AL 1991	CA-FRE-1360	228C	DBTG	CD	VIS	4.4	5600	10.4	2713
WICKSTROM ET AL 1991	CA-FRE-1360	228B	DBTG	CD	VIS	5.0	5600	10.4	3503
WICKSTROM ET AL 1991	CA-FRE-1360	228A	DBTG	CD	VIS	5.0	5600	10.4	3503
WICKSTROM ET AL 1991	CA-FRE-1360	222C	DBTG	CD	VIS	5.1	5600	10.4	3645
WICKSTROM ET AL 1991	CA-FRE-1360	239D	DBTG	CD	VIS	1.3	5600	10.4	237
WICKSTROM ET AL 1991	CA-FRE-1360	1280	DBTG	CD	VIS	2.9	5600	10.4	1179
WICKSTROM ET AL 1991	CA-FRE-1360	00511	PRJPT	CD	VIS	3.3	5600	10.4	1526
WICKSTROM ET AL 1991	CA-FRE-1360	1262	DBTG	CD	VIS	2.6	5600	10.4	947
WICKSTROM ET AL 1991	CA-FRE-1360	1281	DBTG	CD	VIS	1.4	5600	10.4	275
WICKSTROM ET AL 1991	CA-FRE-1360	344E	DBTG	CD	VIS	3.2	5600	10.4	1435
WICKSTROM ET AL 1991	CA-FRE-1360	1290	DBTG	CD	VIS	4.8	5600	10.4	3229
WICKSTROM ET AL 1991	CA-FRE-1360	1289	DBTG	CD	VIS	6.2	5600	10.4	5387

Reference	Site	Id	Desc	Srce	Met	Rim	Elev	EHT	B.P.
WICKSTROM ET AL 1991	CA-FRE-1360	1288	DBTG	CD	VIS	4.3	5600	10.4	2591
WICKSTROM ET AL 1991	CA-FRE-1360	1287	DBTG	CD	VIS	1.2	5600	10.4	202
WICKSTROM ET AL 1991	CA-FRE-1360	1286	DBTG	CD	VIS	5.1	5600	10.4	3645
WICKSTROM ET AL 1991	CA-FRE-1360	1285	DBTG	CD	VIS	3.1	5600	10.4	1347
WICKSTROM ET AL 1991	CA-FRE-1360	1284	DBTG	CD	VIS	3.1	5600	10.4	1347
WICKSTROM ET AL 1991	CA-FRE-1360	1252	DBTG	CD	VIS	2.9	5600	10.4	1179
WICKSTROM ET AL 1991	CA-FRE-1360	1282	DBTG	CD	VIS	2.7	5600	10.4	1022
WICKSTROM ET AL 1991	CA-FRE-1360	1253	DBTG	CD	VIS	2.5	5600	10.4	876
WICKSTROM ET AL 1991	CA-FRE-1360	1279	DBTG	CD	VIS	2.9	5600	10.4	1179
WICKSTROM ET AL 1991	CA-FRE-1360	1278	DBTG	CD	VIS	3.3	5600	10.4	1526
WICKSTROM ET AL 1991	CA-FRE-1360	1277	DBTG	CD	VIS	3.0	5600	10.4	1261
WICKSTROM ET AL 1991	CA-FRE-1360	1276	DBTG	CD	VIS	3.5	5600	10.4	1717
WICKSTROM ET AL 1991	CA-FRE-1360	1275	DBTG	CD	VIS	3.8	5600	10.4	2024
WICKSTROM ET AL 1991	CA-FRE-1360	1274	DBTG	CD	VIS	5.3	5600	10.4	3936
WICKSTROM ET AL 1991	CA-FRE-1360	1273	DBTG	CD	VIS	3.6	5600	10.4	1816
WICKSTROM ET AL 1991	CA-FRE-1360	1283	DBTG	CD	VIS	2.4	5600	10.4	807
WICKSTROM ET AL 1991	CA-FRE-1360	1250	DBTG	CD	VIS	2.1	5600	10.4	618
WICKSTROM ET AL 1991	CA-FRE-1360	1292	DBTG	CD	VIS	5.6	5600	10.4	4395
WICKSTROM ET AL 1991	CA-FRE-1360	344C	DBTG	CD	VIS	2.0	5600	10.4	561
WICKSTROM ET AL 1991	CA-FRE-1360	1271	DBTG	CD	VIS	5.2	5600	10.4	3789
WICKSTROM ET AL 1991	CA-FRE-1360	1267	DBTG	CD	VIS	3.1	5600	10.4	1347
WICKSTROM ET AL 1991	CA-FRE-1360	00428	PRJPT	CD	XRF	2.2	5600	10.4	678
WICKSTROM ET AL 1991	CA-FRE-1360	00443	BIFACE	CD	VIS	5.2	5600	10.4	3789
WICKSTROM ET AL 1991	CA-FRE-1360	00444	BIFACE	CD	XRF	2.1	5600	10.4	618
WICKSTROM ET AL 1991	CA-FRE-1360	1337	DBTG	CD	VIS	5.6	5600	10.4	4395
WICKSTROM ET AL 1991	CA-FRE-1360	00419	PRJPT	CD	VIS	2.0	5600	10.4	561
WICKSTROM ET AL 1991	CA-FRE-1360	348C	DBTG	CD	VIS	1.7	5600	10.4	405
WICKSTROM ET AL 1991	CA-FRE-1360	348D	DBTG	CD	VIS	1.7	5600	10.4	405
WICKSTROM ET AL 1991	CA-FRE-1360	348E	DBTG	CD	VIS	3.2	5600	10.4	1435
WICKSTROM ET AL 1991	CA-FRE-1360	1222	DBTG	CD	VIS	1.0	5600	10.4	140
WICKSTROM ET AL 1991	CA-FRE-1360	1260	DBTG	CD	VIS	2.4	5600	10.4	807
WICKSTROM ET AL 1991	CA-FRE-1360	1270	DBTG	CD	VIS	3.5	5600	10.4	1717
WICKSTROM ET AL 1991	CA-FRE-1360	1251	DBTG	CD	VIS	3.1	5600	10.4	1347
WICKSTROM ET AL 1991	CA-FRE-1360	1268	DBTG	CD	VIS	2.7	5600	10.4	1022
WICKSTROM ET AL 1991	CA-FRE-1360	00621	PRJPT	CD	VIS	4.8	5600	10.4	3229
WICKSTROM ET AL 1991	CA-FRE-1360	1266	DBTG	CD	VIS	4.2	5600	10.4	2472
WICKSTROM ET AL 1991	CA-FRE-1360	1265	DBTG	CD	VIS	3.5	5600	10.4	1717
WICKSTROM ET AL 1991	CA-FRE-1360	1264	DBTG	CD	VIS	2.2	5600	10.4	678
WICKSTROM ET AL 1991	CA-FRE-1360	1272	DBTG	CD	VIS	5.1	5600	10.4	3645
WICKSTROM ET AL 1991	CA-FRE-1360	1261	DBTG	CD	VIS	3.1	5600	10.4	1347
WICKSTROM ET AL 1991	CA-FRE-1360	1273	DBTG	CD	VIS	2.6	5600	10.4	947
WICKSTROM ET AL 1991	CA-FRE-1360	1258	DBTG	CD	VIS	2.5	5600	10.4	876
WICKSTROM ET AL 1991	CA-FRE-1360	1257	DBTG	CD	VIS	2.5	5600	10.4	876
WICKSTROM ET AL 1991	CA-FRE-1360	1256	DBTG	CD	VIS	2.4	5600	10.4	807
WICKSTROM ET AL 1991	CA-FRE-1360	1255	DBTG	CD	VIS	2.3	5600	10.4	741
WICKSTROM ET AL 1991	CA-FRE-1360	1254	DBTG	CD	VIS	2.6	5600	10.4	947
WICKSTROM ET AL 1991	CA-FRE-1360	1269	DBTG	CD	VIS	5.6	5600	10.4	4395
WICKSTROM ET AL 1991	CA-FRE-1360	00699	BIFACE	CD	VIS	4.4	5600	10.4	2713
WICKSTROM ET AL 1991	CA-FRE-1360	1312	DBTG	CD	VIS	3.9	5600	10.4	2131
WICKSTROM ET AL 1991	CA-FRE-1360	1305	DBTG	CD	VIS	4.6	5600	10.4	2965
WICKSTROM ET AL 1991	CA-FRE-1360	1306	DBTG	CD	VIS	5.0	5600	10.4	3503
WICKSTROM ET AL 1991	CA-FRE-1360	1307	DBTG	CD	VIS	3.3	5600	10.4	1526
WICKSTROM ET AL 1991	CA-FRE-1360	1308	DBTG	CD	VIS	2.8	5600	10.4	1099
WICKSTROM ET AL 1991	CA-FRE-1360	1309	DBTG	CD	VIS	4.7	5600	10.4	3096
WICKSTROM ET AL 1991	CA-FRE-1360	1310	DBTG	CD	VIS	7.6	5600	10.4	8094
WICKSTROM ET AL 1991	CA-FRE-1360	1311	DBTG	CD	VIS	3.4	5600	10.4	1620
WICKSTROM ET AL 1991	CA-FRE-1360	1338	DBTG	CD	VIS	5.4	5600	10.4	4086
WICKSTROM ET AL 1991	CA-FRE-1360	1302	DBTG	CD	VIS	4.6	5600	10.4	2965
WICKSTROM ET AL 1991	CA-FRE-1360	00701	PREFORM	CD	VIS	3.1	5600	10.4	1347
WICKSTROM ET AL 1991	CA-FRE-1360	1303	DBTG	CD	VIS	4.8	5600	10.4	3229
WICKSTROM ET AL 1991	CA-FRE-1360	00698	BIFACE	CD	VIS	5.6	5600	10.4	4395
WICKSTROM ET AL 1991	CA-FRE-1360	1314	DBTG	CD	VIS	3.8	5600	10.4	2024
WICKSTROM ET AL 1991	CA-FRE-1360	00036	PREFORM	CD	VIS	5.5	5600	10.4	4239
WICKSTROM ET AL 1991	CA-FRE-1360	00087	PREFORM	CD	VIS	4.8	5600	10.4	3229
WICKSTROM ET AL 1991	CA-FRE-1360	00324	PREFORM	CD	VIS	0.9	5600	10.4	114
WICKSTROM ET AL 1991	CA-FRE-1360	00516	PREFORM	CD	VIS	2.9	5600	10.4	1179
WICKSTROM ET AL 1991	CA-FRE-1360	1321	DBTG	CD	VIS	3.5	5600	10.4	1717
WICKSTROM ET AL 1991	CA-FRE-1360	1320	DBTG	CD	VIS	5.0	5600	10.4	3503
WICKSTROM ET AL 1991	CA-FRE-1360	1319	DBTG	CD	VIS	4.0	5600	10.4	2242
WICKSTROM ET AL 1991	CA-FRE-1360	1316	DBTG	CD	VIS	5.6	5600	10.4	4395
WICKSTROM ET AL 1991	CA-FRE-1360	1315	DBTG	CD	VIS	4.8	5600	10.4	3229
WICKSTROM ET AL 1991	CA-FRE-1360	1327	DBTG	CD	VIS	3.3	5600	10.4	1526
WICKSTROM ET AL 1991	CA-FRE-1360	259E	DBTG	CD	VIS	4.3	5600	10.4	2591
WICKSTROM ET AL 1991	CA-FRE-1360	00692	BIFACE	CD	VIS	3.9	5600	10.4	2131
WICKSTROM ET AL 1991	CA-FRE-1360	214C	DBTG	CD	VIS	4.5	5600	10.4	2838
WICKSTROM ET AL 1991	CA-FRE-1360	1326	DBTG	CD	VIS	3.3	5600	10.4	1526
WICKSTROM ET AL 1991	CA-FRE-1360	1328	DBTG	CD	VIS	2.0	5600	10.4	561
WICKSTROM ET AL 1991	CA-FRE-1360	1231	DBTG	CD	VIS	4.9	5600	10.4	3365

Reference	Site	Id	Desc	Srce	Met	Rim	Elev	EHT	B.P.
WICKSTROM ET AL 1991	CA-FRE-1360	1329	DBTG	CD	VIS	2.3	5600	10.4	741
WICKSTROM ET AL 1991	CA-FRE-1360	1330	DBTG	CD	VIS	3.0	5600	10.4	1261
WICKSTROM ET AL 1991	CA-FRE-1360	1331	DBTG	CD	VIS	3.0	5600	10.4	1261
WICKSTROM ET AL 1991	CA-FRE-1360	1332	DBTG	CD	VIS	3.6	5600	10.4	1816
WICKSTROM ET AL 1991	CA-FRE-1360	1333	DBTG	CD	VIS	3.6	5600	10.4	1816
WICKSTROM ET AL 1991	CA-FRE-1360	1334	DBTG	CD	VIS	3.7	5600	10.4	1918
WICKSTROM ET AL 1991	CA-FRE-1360	1335	DBTG	CD	VIS	3.6	5600	10.4	1816
WICKSTROM ET AL 1991	CA-FRE-1360	1325	DBTG	CD	VIS	3.7	5600	10.4	1918
WICKSTROM ET AL 1991	CA-FRE-1360	1313	DBTG	CD	VIS	5.4	5600	10.4	4086
WICKSTROM ET AL 1991	CA-FRE-1360	1304	DBTG	CD	VIS	5.1	5600	10.4	3645
WICKSTROM ET AL 1991	CA-FRE-1360	273E	DBTG	CD	VIS	3.1	5600	10.4	1347
WICKSTROM ET AL 1991	CA-FRE-1360	1294	DBTG	CD	VIS	7.1	5600	10.4	7064
WICKSTROM ET AL 1991	CA-FRE-1360	1295	DBTG	CD	VIS	5.6	5600	10.4	4395
WICKSTROM ET AL 1991	CA-FRE-1360	1296	DBTG	CD	VIS	5.2	5600	10.4	3789
WICKSTROM ET AL 1991	CA-FRE-1360	1297	DBTG	CD	VIS	5.2	5600	10.4	3789
WICKSTROM ET AL 1991	CA-FRE-1360	1298	DBTG	CD	VIS	5.1	5600	10.4	3645
WICKSTROM ET AL 1991	CA-FRE-1360	1299	DBTG	CD	VIS	5.4	5600	10.4	4086
WICKSTROM ET AL 1991	CA-FRE-1360	1300	DBTG	CD	VIS	3.7	5600	10.4	1918
WICKSTROM ET AL 1991	CA-FRE-1360	1301	DBTG	CD	VIS	4.2	5600	10.4	2472
WICKSTROM ET AL 1991	CA-FRE-1360	1324	DBTG	CD	VIS	3.7	5600	10.4	1918
WICKSTROM ET AL 1991	CA-FRE-1360	1323	DBTG	CD	VIS	1.6	5600	10.4	359
WICKSTROM ET AL 1991	CA-FRE-1360	1322	DBTG	CD	VIS	3.2	5600	10.4	1435
WICKSTROM ET AL 1991	CA-FRE-1360	00009	PRJPT	CD	VIS	0.9	5600	10.4	114
WICKSTROM ET AL 1991	CA-FRE-1360	322C	DBTG	CD	VIS	2.9	5600	10.4	1179
WICKSTROM ET AL 1991	CA-FRE-1360	322E	DBTG	CD	VIS	2.3	5600	10.4	741
WICKSTROM ET AL 1991	CA-FRE-1360	322D	DBTG	CD	VIS	2.7	5600	10.4	1022
WICKSTROM ET AL 1991	CA-FRE-1360	275B	DBTG	CD	VIS	3.9	5600	10.4	2131
WICKSTROM ET AL 1991	CA-FRE-1360	322B	DBTG	CD	VIS	2.2	5600	10.4	678
WICKSTROM ET AL 1991	CA-FRE-1360	242B	DBTG	CD	VIS	2.0	5600	10.4	561
WICKSTROM ET AL 1991	CA-FRE-1360	287D	DBTG	CD	VIS	3.1	5600	10.4	1347
WICKSTROM ET AL 1991	CA-FRE-1360	287C	DBTG	CD	VIS	2.1	5600	10.4	618
WICKSTROM ET AL 1991	CA-FRE-1360	287B	DBTG	CD	VIS	3.3	5600	10.4	1526
WICKSTROM ET AL 1991	CA-FRE-1360	287A	DBTG	CD	VIS	1.4	5600	10.4	275
WICKSTROM ET AL 1991	CA-FRE-1360	278E	DBTG	CD	VIS	2.8	5600	10.4	1099
WICKSTROM ET AL 1991	CA-FRE-1360	278C	DBTG	CD	VIS	2.6	5600	10.4	947
WICKSTROM ET AL 1991	CA-FRE-1360	242C	DBTG	CD	VIS	1.4	5600	10.4	275
WICKSTROM ET AL 1991	CA-FRE-1360	278A	DBTG	CD	VIS	2.1	5600	10.4	618
WICKSTROM ET AL 1991	CA-FRE-1360	328E	DBTG	CD	VIS	3.7	5600	10.4	1918
WICKSTROM ET AL 1991	CA-FRE-1360	1243	DBTG	CD	VIS	0.9	5600	10.4	114
WICKSTROM ET AL 1991	CA-FRE-1360	242D	DBTG	CD	VIS	4.9	5600	10.4	3365
WICKSTROM ET AL 1991	CA-FRE-1360	205E	DBTG	CD	VIS	5.2	5600	10.4	3789
WICKSTROM ET AL 1991	CA-FRE-1360	205D	DBTG	CD	VIS	4.4	5600	10.4	2713
WICKSTROM ET AL 1991	CA-FRE-1360	205C	DBTG	CD	VIS	4.3	5600	10.4	2591
WICKSTROM ET AL 1991	CA-FRE-1360	205B	DBTG	CD	VIS	5.1	5600	10.4	3645
WICKSTROM ET AL 1991	CA-FRE-1360	205A	DBTG	CD	VIS	5.2	5600	10.4	3789
WICKSTROM ET AL 1991	CA-FRE-1360	1249	DBTG	CD	VIS	2.9	5600	10.4	1179
WICKSTROM ET AL 1991	CA-FRE-1360	1247	DBTG	CD	VIS	2.4	5600	10.4	807
WICKSTROM ET AL 1991	CA-FRE-1360	214B	DBTG	CD	VIS	4.6	5600	10.4	2965
WICKSTROM ET AL 1991	CA-FRE-1360	1244	DBTG	CD	VIS	2.6	5600	10.4	947
WICKSTROM ET AL 1991	CA-FRE-1360	278B	DBTG	CD	VIS	4.4	5600	10.4	2713
WICKSTROM ET AL 1991	CA-FRE-1360	00496	BIFACE	CD	VIS	1.6	5600	10.4	359
WICKSTROM ET AL 1991	CA-FRE-1360	273C	DBTG	CD	VIS	4.4	5600	10.4	2713
WICKSTROM ET AL 1991	CA-FRE-1360	273B	DBTG	CD	VIS	5.1	5600	10.4	3645
WICKSTROM ET AL 1991	CA-FRE-1360	273A	DBTG	CD	VIS	1.4	5600	10.4	275
WICKSTROM ET AL 1991	CA-FRE-1360	263E	DBTG	CD	VIS	4.3	5600	10.4	2591
WICKSTROM ET AL 1991	CA-FRE-1360	263D	DBTG	CD	VIS	4.6	5600	10.4	2965
WICKSTROM ET AL 1991	CA-FRE-1360	275C	DBTG	CD	VIS	3.4	5600	10.4	1620
WICKSTROM ET AL 1991	CA-FRE-1360	263B	DBTG	CD	VIS	5.1	5600	10.4	3645
WICKSTROM ET AL 1991	CA-FRE-1360	275E	DBTG	CD	VIS	4.0	5600	10.4	2242
WICKSTROM ET AL 1991	CA-FRE-1360	259D	DBTG	CD	VIS	1.2	5600	10.4	202
WICKSTROM ET AL 1991	CA-FRE-1360	00551	PREFORM	CD	VIS	2.1	5600	10.4	618
WICKSTROM ET AL 1991	CA-FRE-1360	328B	DBTG	CD	VIS	1.5	5600	10.4	315
WICKSTROM ET AL 1991	CA-FRE-1360	259C	DBTG	CD	VIS	4.0	5600	10.4	2242
WICKSTROM ET AL 1991	CA-FRE-1360	328C	DBTG	CD	VIS	2.6	5600	10.4	947
WICKSTROM ET AL 1991	CA-FRE-1360	00600	PREFORM	CD	VIS	3.0	5600	10.4	1261
WICKSTROM ET AL 1991	CA-FRE-1360	259A	DBTG	CD	VIS	4.4	5600	10.4	2713
WICKSTROM ET AL 1991	CA-FRE-1360	246C	DBTG	CD	VIS	3.7	5600	10.4	1918
WICKSTROM ET AL 1991	CA-FRE-1360	246B	DBTG	CD	VIS	4.2	5600	10.4	2472
WICKSTROM ET AL 1991	CA-FRE-1360	246A	DBTG	CD	VIS	3.7	5600	10.4	1918
WICKSTROM ET AL 1991	CA-FRE-1360	242E	DBTG	CD	VIS	1.8	5600	10.4	454
WICKSTROM ET AL 1991	CA-FRE-1360	1229	DBTG	CD	VIS	4.8	5600	10.4	3229
WICKSTROM ET AL 1991	CA-FRE-1360	263C	DBTG	CD	VIS	5.0	5600	10.4	3503
WICKSTROM ET AL 1991	CA-FRE-1360	287E	DBTG	CD	VIS	2.5	5600	10.4	876
WICKSTROM ET AL 1991	CA-FRE-1360	344B	DBTG	CD	VIS	1.9	5600	10.4	506
WICKSTROM ET AL 1991	CA-FRE-1360	344A	DBTG	CD	VIS	1.6	5600	10.4	359
WICKSTROM ET AL 1991	CA-FRE-1360	275A	DBTG	CD	VIS	4.2	5600	10.4	2472
WICKSTROM ET AL 1991	CA-FRE-1360	1336	DBTG	CD	VIS	3.6	5600	10.4	1816
WICKSTROM ET AL 1991	CA-FRE-1362	1-3	DBTG	CD	VIS	3.9	5500	10.6	2101

Reference	Site	Id	Desc	Srce	Met	Rim	Elev	EHT	B.P.
WICKSTROM ET AL 1991	CA-FRE-1362	1-2	DBTG	CD	VIS	4.6	5500	10.6	2922
WICKSTROM ET AL 1991	CA-FRE-1362	3-1	DBTG	CD	VIS	5.3	5500	10.6	3880
WICKSTROM ET AL 1991	CA-FRE-1362	3-2	DBTG	CD	VIS	4.0	5500	10.6	2210
WICKSTROM ET AL 1991	CA-FRE-1362	19-2	DBTG	CD	VIS	2.7	5500	10.6	1007
WICKSTROM ET AL 1991	CA-FRE-1362	24-1	DBTG	CD	VIS	3.3	5500	10.6	1504
WICKSTROM ET AL 1991	CA-FRE-1362	1-1	DBTG	CD	VIS	2.6	5500	10.6	934
WICKSTROM ET AL 1991	CA-FRE-1362	13-2	DBTG	CD	VIS	3.0	5500	10.6	1243
WICKSTROM ET AL 1991	CA-FRE-1362	2-1	DBTG	CD	VIS	3.0	5500	10.6	1243
WICKSTROM ET AL 1991	CA-FRE-1362	23-1	DBTG	CD	VIS	2.4	5500	10.6	796
WICKSTROM ET AL 1991	CA-FRE-1362	3-3	FLKTL	CD	VIS	3.7	5500	10.6	1891
WICKSTROM ET AL 1991	CA-FRE-1362	22-1	DBTG	CD	VIS	1.8	5500	10.6	447
WICKSTROM ET AL 1991	CA-FRE-1362	18-2	DBTG	CD	VIS	2.9	5500	10.6	1162
WICKSTROM ET AL 1991	CA-FRE-1362	4-1	DBTG	CD	VIS	3.3	5500	10.6	1504
WICKSTROM ET AL 1991	CA-FRE-1362	19-1	DBTG	CD	VIS	3.3	5500	10.6	1504
WICKSTROM ET AL 1991	CA-FRE-1362	18-1	DBTG	CD	VIS	3.6	5500	10.6	1790
WICKSTROM ET AL 1991	CA-FRE-1362	17-1	DBTG	CD	VIS	2.3	5500	10.6	731
WICKSTROM ET AL 1991	CA-FRE-1362	15-2	DBTG	CD	VIS	4.1	5500	10.6	2322
WICKSTROM ET AL 1991	CA-FRE-1362	15-1	DBTG	CD	VIS	2.8	5500	10.6	1083
WICKSTROM ET AL 1991	CA-FRE-1363	25-2	DBTG	CD	VIS	4.8	5525	10.5	3194
WICKSTROM ET AL 1991	CA-FRE-1363	25-1	DBTG	CD	VIS	1.9	5525	10.5	500
WICKSTROM ET AL 1991	CA-FRE-1363	122A	DBTG	CD	VIS	3.2	5525	10.5	1419
WICKSTROM ET AL 1991	CA-FRE-1363	24-1	DBTG	CD	VIS	6.2	5525	10.5	5329
WICKSTROM ET AL 1991	CA-FRE-1363	31-1	DBTG	CD	VIS	2.8	5525	10.5	1087
WICKSTROM ET AL 1991	CA-FRE-1363	118C	DBTG	CD	VIS	5.2	5525	10.5	3748
WICKSTROM ET AL 1991	CA-FRE-1363	6-2	DBTG	CD	VIS	4.3	5525	10.5	2563
WICKSTROM ET AL 1991	CA-FRE-1363	31-2	DBTG	CD	VIS	6.4	5525	10.5	5678
WICKSTROM ET AL 1991	CA-FRE-1363	6-1	DBTG	CD	VIS	3.7	5525	10.5	1898
WICKSTROM ET AL 1991	CA-FRE-1363	4-2	DBTG	CD	VIS	6.1	5525	10.5	5158
WICKSTROM ET AL 1991	CA-FRE-1363	58C	DBTG	CD	VIS	4.7	5525	10.5	3062
WICKSTROM ET AL 1991	CA-FRE-1363	10-2	DBTG	CD	VIS	5.0	5525	10.5	3465
WICKSTROM ET AL 1991	CA-FRE-1363	30-1	DBTG	CD	VIS	2.6	5525	10.5	937
WICKSTROM ET AL 1991	CA-FRE-1363	3-2	DBTG	CD	VIS	4.5	5525	10.5	2807
WICKSTROM ET AL 1991	CA-FRE-1363	125D	DBTG	CD	VIS	3.3	5525	10.5	1510
WICKSTROM ET AL 1991	CA-FRE-1363	120C	DBTG	CD	VIS	4.5	5525	10.5	2807
WICKSTROM ET AL 1991	CA-FRE-1363	00138	BIFACE	FS	XRF	3.4	5525	10.5	1726
WICKSTROM ET AL 1991	CA-FRE-1363	122C	DBTG	CD	VIS	3.3	5525	10.5	1510
WICKSTROM ET AL 1991	CA-FRE-1363	125A	DBTG	CD	VIS	5.0	5525	10.5	3465
WICKSTROM ET AL 1991	CA-FRE-1363	11-1	DBTG	CD	VIS	3.9	5525	10.5	2108
WICKSTROM ET AL 1991	CA-FRE-1363	58B	DBTG	CD	VIS	5.3	5525	10.5	3894
WICKSTROM ET AL 1991	CA-FRE-1363	125B	DBTG	CD	VIS	1.1	5525	10.5	168
WICKSTROM ET AL 1991	CA-FRE-1363	125C	DBTG	CD	VIS	3.8	5525	10.5	2002
WICKSTROM ET AL 1991	CA-FRE-1363	15-1	DBTG	CD	VIS	4.3	5525	10.5	2563
WICKSTROM ET AL 1991	CA-FRE-1363	1-1	DBTG	CD	VIS	3.5	5525	10.5	1698
WICKSTROM ET AL 1991	CA-FRE-1363	120A	DBTG	CD	VIS	4.5	5525	10.5	2807
WICKSTROM ET AL 1991	CA-FRE-1363	60E	DBTG	CD	VIS	3.1	5525	10.5	1332
WICKSTROM ET AL 1991	CA-FRE-1363	16-1	DBTG	CD	VIS	2.4	5525	10.5	798
WICKSTROM ET AL 1991	CA-FRE-1363	19-1	DBTG	CD	VIS	3.3	5525	10.5	1510
WICKSTROM ET AL 1991	CA-FRE-1363	118E	DBTG	CD	VIS	4.3	5525	10.5	2563
WICKSTROM ET AL 1991	CA-FRE-1363	22-2	DBTG	CD	VIS	3.4	5525	10.5	1602
WICKSTROM ET AL 1991	CA-FRE-1363	7-2	DBTG	CD	VIS	4.5	5525	10.5	2807
WICKSTROM ET AL 1991	CA-FRE-1363	8-1	DBTG	CD	VIS	4.2	5525	10.5	2445
WICKSTROM ET AL 1991	CA-FRE-1363	9-2	DBTG	CD	VIS	4.2	5525	10.5	2445
WICKSTROM ET AL 1991	CA-FRE-1363	118D	DBTG	CD	VIS	3.0	5525	10.5	1248
WICKSTROM ET AL 1991	CA-FRE-1363	7-1	DBTG	CD	VIS	3.8	5525	10.5	2002
WICKSTROM ET AL 1991	CA-FRE-1363	58A	DBTG	CD	VIS	4.0	5525	10.5	2218
WICKSTROM ET AL 1991	CA-FRE-1363	56E	DBTG	CD	VIS	2.4	5525	10.5	798
WICKSTROM ET AL 1991	CA-FRE-1363	118A	DBTG	CD	VIS	3.0	5525	10.5	1248
WICKSTROM ET AL 1991	CA-FRE-1363	00131	BIFACE	CD	XRF	4.9	5525	10.5	3328
WICKSTROM ET AL 1991	CA-FRE-1363	60D	DBTG	CD	VIS	2.7	5525	10.5	1011
WICKSTROM ET AL 1991	CA-FRE-1363	60B	DBTG	CD	VIS	3.9	5525	10.5	2108
WICKSTROM ET AL 1991	CA-FRE-1363	60A	DBTG	CD	VIS	2.3	5525	10.5	733
WICKSTROM ET AL 1991	CA-FRE-1363	58E	DBTG	CD	VIS	3.8	5525	10.5	2002
WICKSTROM ET AL 1991	CA-FRE-1363	58D	DBTG	CD	VIS	5.6	5525	10.5	4347
WICKSTROM ET AL 1991	CA-FRE-1363	23A	BIFACE	CD	VIS	4.7	5525	10.5	3062
WICKSTROM ET AL 1991	CA-FRE-1363	56D	DBTG	CD	VIS	6.6	5525	10.5	6038
WICKSTROM ET AL 1991	CA-FRE-1363	56C	DBTG	CD	VIS	1.7	5525	10.5	401
WICKSTROM ET AL 1991	CA-FRE-1363	56A	DBTG	CD	VIS	2.6	5525	10.5	937
WICKSTROM ET AL 1991	CA-FRE-1363	00145	BIFACE	CD	VIS	6.2	5525	10.5	5329
WICKSTROM ET AL 1991	CA-FRE-1363	00132	BIFACE	CD	XRF	5.9	5525	10.5	4825
WICKSTROM ET AL 1991	CA-FRE-1363	118B	DBTG	CD	VIS	1.6	5525	10.5	355
WICKSTROM ET AL 1991	CA-FRE-1963	9-1	DBTG	CD	VIS	2.8	5500	10.6	1083
WICKSTROM ET AL 1991	CA-FRE-1963	5-1	DBTG	CD	VIS	1.5	5500	10.6	311
WICKSTROM ET AL 1991	CA-FRE-1963	4-4	DBTG	CD	VIS	0.9	5500	10.6	112
WICKSTROM ET AL 1991	CA-FRE-1963	4-1	DBTG	CD	VIS	1.0	5500	10.6	138
WICKSTROM ET AL 1991	CA-FRE-1963	4-2	DBTG	CD	VIS	3.9	5500	10.6	2101
WICKSTROM ET AL 1991	CA-FRE-1967	52-1	DBTG	CD	VIS	2.5	5500	10.6	863
WICKSTROM ET AL 1991	CA-FRE-1967	22-1	DBTG	CD	VIS	2.5	5500	10.6	863
WICKSTROM ET AL 1991	CA-FRE-1967	32-1	DBTG	CD	VIS	1.2	5500	10.6	199

Reference	Site	Id	Desc	Srce	Met	Rim	Elev	EHT	B.P.
WICKSTROM ET AL 1991	CA-FRE-1967	30-1	DBTG	CD	VIS	2.2	5500	10.6	668
WICKSTROM ET AL 1991	CA-FRE-1967	34	BIFACE	CD	VIS	2.3	5500	10.6	731
WICKSTROM ET AL 1991	CA-FRE-1967	28-1	DBTG	CD	VIS	1.3	5500	10.6	233
WICKSTROM ET AL 1991	CA-FRE-1967	59-2	DBTG	CD	VIS	1.2	5500	10.6	199
WICKSTROM ET AL 1991	CA-FRE-1967	70-2	DBTG	CD	VIS	3.3	5500	10.6	1504
WICKSTROM ET AL 1991	CA-FRE-1967	41-1	DBTG	CD	VIS	2.0	5500	10.6	552
WICKSTROM ET AL 1991	CA-FRE-1967	50-2	DBTG	CD	VIS	1.2	5500	10.6	199
WICKSTROM ET AL 1991	CA-FRE-1967	44-1	DBTG	CD	VIS	2.1	5500	10.6	609
WICKSTROM ET AL 1991	CA-FRE-1967	44-2	DBTG	CD	VIS	4.8	5500	10.6	3182
WICKSTROM ET AL 1991	CA-FRE-1967	46-2	DBTG	CD	VIS	2.8	5500	10.6	1083
WICKSTROM ET AL 1991	CA-FRE-1967	48-1	DBTG	CD	VIS	2.2	5500	10.6	668
WICKSTROM ET AL 1991	CA-FRE-1967	48-2	DBTG	CD	VIS	4.7	5500	10.6	3051
WICKSTROM ET AL 1991	CA-FRE-1967	49-1	FLKTL	CD	VIS	1.0	5500	10.6	138
WICKSTROM ET AL 1991	CA-FRE-1967	49-2	FLKTL	CD	VIS	1.0	5500	10.6	138
WICKSTROM ET AL 1991	CA-FRE-1967	33-1	DBTG	CD	VIS	3.7	5500	10.6	1891
WICKSTROM ET AL 1991	CA-FRE-1967	39-2	DBTG	CD	VIS	1.0	5500	10.6	138
WICKSTROM ET AL 1991	CA-FRE-1967	26-1	DBTG	CD	VIS	2.3	5500	10.6	731
WICKSTROM ET AL 1991	CA-FRE-1967	51	BIFACE	CD	VIS	3.3	5500	10.6	1504
WICKSTROM ET AL 1991	CA-FRE-1967	16-1	DBTG	CD	VIS	1.3	5500	10.6	233
WICKSTROM ET AL 1991	CA-FRE-1967	76	FLKTL	CD	VIS	4.8	5500	10.6	3182
WICKSTROM ET AL 1991	CA-FRE-1967	14	PRJPT	CD	VIS	1.0	5500	10.6	138
WICKSTROM ET AL 1991	CA-FRE-1967	12-1	DBTG	CD	VIS	1.0	5500	10.6	138
WICKSTROM ET AL 1991	CA-FRE-1967	10-1	DBTG	CD	VIS	0.9	5500	10.6	112
WICKSTROM ET AL 1991	CA-FRE-1967	19-1	DBTG	CD	VIS	2.2	5500	10.6	668
WICKSTROM ET AL 1991	CA-FRE-1967	69-2	DBTG	CD	VIS	1.9	5500	10.6	499
WICKSTROM ET AL 1991	CA-FRE-1967	53-1	DBTG	CD	VIS	4.3	5500	10.6	2554
WICKSTROM ET AL 1991	CA-FRE-1967	75-1	DBTG	CD	VIS	2.1	5500	10.6	609
WICKSTROM ET AL 1991	CA-FRE-1967	25-1	DBTG	CD	VIS	1.0	5500	10.6	138
WICKSTROM ET AL 1991	CA-FRE-1967	72	PRJPT	CD	VIS	1.6	5500	10.6	354
WICKSTROM ET AL 1991	CA-FRE-1967	71-1	DBTG	CD	VIS	1.9	5500	10.6	499
WICKSTROM ET AL 1991	CA-FRE-1967	70-1	DBTG	CD	VIS	4.3	5500	10.6	2554
WICKSTROM ET AL 1991	CA-FRE-1967	15-1	DBTG	CD	VIS	5.7	5500	10.6	4487
WICKSTROM ET AL 1991	CA-FRE-1967	23-1	DBTG	CD	VIS	2.2	5500	10.6	668
WICKSTROM ET AL 1991	CA-FRE-1967	50-1	DBTG	CD	VIS	2.2	5500	10.6	668
WICKSTROM ET AL 1991	CA-FRE-1967	57-1	FLKTL	CD	VIS	1.9	5500	10.6	499
WICKSTROM ET AL 1991	CA-FRE-1967	58-1	DBTG	CD	VIS	1.1	5500	10.6	167
WICKSTROM ET AL 1991	CA-FRE-1967	56-1	DBTG	CD	VIS	1.1	5500	10.6	167
WICKSTROM ET AL 1991	CA-FRE-1967	54-2	DBTG	CD	VIS	1.1	5500	10.6	167
WICKSTROM ET AL 1991	CA-FRE-1967	39-1	DBTG	CD	VIS	2.0	5500	10.6	552
WICKSTROM ET AL 1991	CA-FRE-1967	73-2	DBTG	CD	VIS	1.0	5500	10.6	138
WICKSTROM ET AL 1991	CA-FRE-1967	56-2	DBTG	CD	VIS	2.0	5500	10.6	552
WICKSTROM ET AL 1991	CA-FRE-1967	59-1	DBTG	CD	VIS	4.1	5500	10.6	2322
WICKSTROM ET AL 1991	CA-FRE-1967	54-1	DBTG	CD	VIS	1.5	5500	10.6	311
WICKSTROM ET AL 1991	CA-FRE-1967	60	BIFACE	CD	VIS	1.2	5500	10.6	199
WICKSTROM ET AL 1991	CA-FRE-1967	62-1	DBTG	CD	VIS	4.7	5500	10.6	3051
WICKSTROM ET AL 1991	CA-FRE-1967	64-1	DBTG	CD	VIS	2.3	5500	10.6	731
WICKSTROM ET AL 1991	CA-FRE-1967	64-2	DBTG	CD	VIS	3.8	5500	10.6	1994
WICKSTROM ET AL 1991	CA-FRE-1967	36-1	DBTG	CD	VIS	2.4	5500	10.6	796
WICKSTROM ET AL 1991	CA-FRE-1967	37-1	DBTG	CD	VIS	5.6	5500	10.6	4331
WICKSTROM ET AL 1991	CA-FRE-1967	32-2	DBTG	CD	VIS	2.6	5500	10.6	934
WICKSTROM ET AL 1991	CA-FRE-1967	37-2	DBTG	CD	VIS	1.0	5500	10.6	138
WICKSTROM ET AL 1991	CA-FRE-1967	65-1	DBTG	CD	VIS	3.3	5500	10.6	1504
WICKSTROM ET AL 1991	CA-FRE-1967	38-1	DBTG	CD	VIS	1.0	5500	10.6	138
WICKSTROM ET AL 1991	CA-FRE-1967	38-2	DBTG	CD	VIS	2.8	5500	10.6	1083
WICKSTROM ET AL 1991	CA-FRE-1967	27-1	DBTG	CD	VIS	1.0	5500	10.6	138
WICKSTROM ET AL 1991	CA-FRE-1967	41-2	DBTG	CD	VIS	2.2	5500	10.6	668
WICKSTROM ET AL 1991	CA-FRE-1967	58-2	DBTG	CD	VIS	1.1	5500	10.6	167
WICKSTROM ET AL 1991	CA-FRE-1967	67-2	DBTG	CD	VIS	1.3	5500	10.6	233
WICKSTROM ET AL 1991	CA-FRE-1967	67-1	DBTG	CD	VIS	2.0	5500	10.6	552
WICKSTROM ET AL 1991	CA-FRE-1967	65-2	DBTG	CD	VIS	2.1	5500	10.6	609
WICKSTROM ET AL 1991	CA-FRE-1967	36-2	DBTG	CD	VIS	4.4	5500	10.6	2674
WICKSTROM ET AL 1991	CA-FRE-1978	22-2	DBTG	CD	VIS	2.1	5500	10.6	609
WICKSTROM ET AL 1991	CA-FRE-1978	17-2	DBTG	CD	VIS	1.2	5500	10.6	199
WICKSTROM ET AL 1991	CA-FRE-1978	7-1A	BIFACE	CD	VIS	2.8	5500	10.6	1083
WICKSTROM ET AL 1991	CA-FRE-1978	20-1A	PRJPT	CD	VIS	1.1	5500	10.6	167
WICKSTROM ET AL 1991	CA-FRE-1978	28-2	DBTG	CD	VIS	4.1	5500	10.6	2322
WICKSTROM ET AL 1991	CA-FRE-1978	28-1	DBTG	CD	VIS	4.1	5500	10.6	2322
WICKSTROM ET AL 1991	CA-FRE-1978	26-1	DBTG	CD	VIS	2.3	5500	10.6	731
WICKSTROM ET AL 1991	CA-FRE-1978	25-1	DBTG	CD	VIS	4.9	5500	10.6	3316
WICKSTROM ET AL 1991	CA-FRE-1978	23-1	DBTG	CD	VIS	5.0	5500	10.6	3453
WICKSTROM ET AL 1991	CA-FRE-1978	27-1	DBTG	CD	VIS	2.3	5500	10.6	731
WICKSTROM ET AL 1991	CA-FRE-1978	16-2	DBTG	CD	VIS	3.5	5500	10.6	1692
WICKSTROM ET AL 1991	CA-FRE-1978	22-1	DBTG	CD	VIS	2.5	5500	10.6	863
WICKSTROM ET AL 1991	CA-FRE-1978	17-1	DBTG	CD	VIS	3.1	5500	10.6	1327
WICKSTROM ET AL 1991	CA-FRE-1978	16-1	DBTG	CD	VIS	1.0	5500	10.6	138
WICKSTROM ET AL 1991	CA-FRE-1978	15-2	DBTG	CD	VIS	5.3	5500	10.6	3880
WICKSTROM ET AL 1991	CA-FRE-1978	15-1	DBTG	CD	VIS	4.2	5500	10.6	2436
WICKSTROM ET AL 1991	CA-FRE-1978	13-1	DBTG	CD	VIS	3.7	5500	10.6	1891

Reference	Site	Id	Desc	Srce	Met	Rim	Elev	EHT	B.P.
WICKSTROM ET AL 1991	CA-FRE-1978	7-1B	BIFACE	CD	VIS	3.3	5500	10.6	1504
WICKSTROM ET AL 1991	CA-FRE-1978	4-1	DBTG	CD	VIS	1.7	5500	10.6	399
WICKSTROM ET AL 1991	CA-FRE-1978	21-1	DBTG	CD	VIS	5.5	5500	10.6	4178
WICKSTROM ET AL 1991	CA-FRE-1978	2-1	DBTG	CD	VIS	1.1	5500	10.6	167
WICKSTROM ET AL 1991	CA-FRE-1978	11-1	DBTG	CD	VIS	4.1	5500	10.6	2322
WICKSTROM ET AL 1991	CA-FRE-1978	3-1	DBTG	CD	VIS	1.2	5500	10.6	199
WICKSTROM ET AL 1991	CA-FRE-1978	1-1	DBTG	CD	VIS	0.8	5500	10.6	88
WICKSTROM ET AL 1991	CA-FRE-982	8-1	DBTG	CD	VIS	4.0	5500	10.6	2210
WICKSTROM ET AL 1991	CA-FRE-982	68-1	DBTG	CD	VIS	5.6	5500	10.6	4331
WICKSTROM ET AL 1991	CA-FRE-982	77-2	DBTG	CD	VIS	4.6	5500	10.6	2922
WICKSTROM ET AL 1991	CA-FRE-982	67-3	DBTG	CD	VIS	2.8	5500	10.6	1083
WICKSTROM ET AL 1991	CA-FRE-982	77-1	DBTG	CD	VIS	2.6	5500	10.6	934
WICKSTROM ET AL 1991	CA-FRE-982	56-2	DBTG	CD	VIS	5.7	5500	10.6	4487
WICKSTROM ET AL 1991	CA-FRE-982	7-1	DBTG	CD	VIS	1.4	5500	10.6	271
WICKSTROM ET AL 1991	CA-FRE-982	9-1A	BIFACE	CD	VIS	3.3	5500	10.6	1504
WICKSTROM ET AL 1991	CA-FRE-982	76-1	FLKTL	CD	VIS	2.1	5500	10.6	609
WICKSTROM ET AL 1991	CA-FRE-982	69-1B	BIPOLAR P	CD	VIS	5.7	5500	10.6	4487
WICKSTROM ET AL 1991	CA-FRE-982	6-2	DBTG	CD	VIS	4.1	5500	10.6	2322
WICKSTROM ET AL 1991	CA-FRE-982	75-3	DBTG	CD	VIS	4.5	5500	10.6	2797
WICKSTROM ET AL 1991	CA-FRE-982	75-2	DBTG	CD	VIS	1.1	5500	10.6	167
WICKSTROM ET AL 1991	CA-FRE-982	75-1	DBTG	CD	VIS	5.8	5500	10.6	4646
WICKSTROM ET AL 1991	CA-FRE-982	74-3	DBTG	CD	VIS	1.1	5500	10.6	167
WICKSTROM ET AL 1991	CA-FRE-982	74-2	DBTG	CD	VIS	1.0	5500	10.6	138
WICKSTROM ET AL 1991	CA-FRE-982	9-1B	BIFACE	CD	VIS	3.5	5500	10.6	1692
WICKSTROM ET AL 1991	CA-FRE-982	73-1	DBTG	CD	VIS	3.5	5500	10.6	1692
WICKSTROM ET AL 1991	CA-FRE-982	56-1	DBTG	CD	VIS	3.0	5500	10.6	1243
WICKSTROM ET AL 1991	CA-FRE-982	69-1A	BIPOLAR P	CD	VIS	5.5	5500	10.6	4178
WICKSTROM ET AL 1991	CA-FRE-982	68-3	DBTG	CD	VIS	3.3	5500	10.6	1504
WICKSTROM ET AL 1991	CA-FRE-982	4-1	DBTG	CD	VIS	4.9	5500	10.6	3316
WICKSTROM ET AL 1991	CA-FRE-982	77-3	DBTG	CD	VIS	4.3	5500	10.6	2554
WICKSTROM ET AL 1991	CA-FRE-982	74-1	DBTG	CD	VIS	5.3	5500	10.6	3880
WICKSTROM ET AL 1991	CA-FRE-982	61-1A	BIPOLAR P	CD	VIS	5.3	5500	10.6	3880
WICKSTROM ET AL 1991	CA-FRE-982	6-1	DBTG	CD	VIS	4.4	5500	10.6	2674
WICKSTROM ET AL 1991	CA-FRE-982	2-1	DBTG	CD	VIS	2.7	5500	10.6	1007
WICKSTROM ET AL 1991	CA-FRE-982	55-3	DBTG	CD	VIS	1.2	5500	10.6	199
WICKSTROM ET AL 1991	CA-FRE-982	67-2	DBTG	CD	VIS	1.4	5500	10.6	271
WICKSTROM ET AL 1991	CA-FRE-982	63-2	DBTG	CD	VIS	3.5	5500	10.6	1692
WICKSTROM ET AL 1991	CA-FRE-982	66-3	DBTG	CD	VIS	2.9	5500	10.6	1162
WICKSTROM ET AL 1991	CA-FRE-982	66-2	DBTG	CD	VIS	6.7	5500	10.6	6200
WICKSTROM ET AL 1991	CA-FRE-982	66-1	DBTG	CD	VIS	1.8	5500	10.6	447
WICKSTROM ET AL 1991	CA-FRE-982	65-1	DBTG	CD	VIS	4.3	5500	10.6	2554
WICKSTROM ET AL 1991	CA-FRE-982	55-2	DBTG	CD	VIS	3.4	5500	10.6	1597
WICKSTROM ET AL 1991	CA-FRE-982	61-1B	BIPOLAR P	CD	VIS	5.4	5500	10.6	4027
WICKSTROM ET AL 1991	CA-FRE-982	50-1	DBTG	CD	VIS	1.2	5500	10.6	199
WICKSTROM ET AL 1991	CA-FRE-982	60-1	DBTG	CD	VIS	1.0	5500	10.6	138
WICKSTROM ET AL 1991	CA-FRE-982	59-1	DBTG	CD	VIS	1.1	5500	10.6	167
WICKSTROM ET AL 1991	CA-FRE-982	58-1	DBTG	CD	VIS	1.2	5500	10.6	199
WICKSTROM ET AL 1991	CA-FRE-982	56-3	DBTG	CD	VIS	4.3	5500	10.6	2554
WICKSTROM ET AL 1991	CA-FRE-982	9-1	DBTG	CD	VIS	2.7	5500	10.6	1007
WICKSTROM ET AL 1991	CA-FRE-982	252-1	DBTG	CD	VIS	1.5	5500	10.6	311
WICKSTROM ET AL 1991	CA-FRE-982	55-1	DBTG	CD	VIS	4.5	5500	10.6	2797
WICKSTROM ET AL 1991	CA-FRE-982	52-1	DBTG	CD	VIS	6.0	5500	10.6	4972
WICKSTROM ET AL 1991	CA-FRE-982	50-3	DBTG	CD	VIS	3.9	5500	10.6	2101
WICKSTROM ET AL 1991	CA-FRE-982	50-2	DBTG	CD	VIS	1.6	5500	10.6	354
WICKSTROM ET AL 1991	CA-FRE-982	63-1	DBTG	CD	VIS	1.1	5500	10.6	167

Note: Id=identifier (acc. no. or OH lab no.), Desc=Description, Srce=Obsidian Source, Met=Sourcing method, Rim=Hydration rim measurement, Elev=Elevation, EHT=Calculated Effective Hydration Temperature, B.P.=Calculated Years B.P., DBTG=Debitage, PRJPT=Projectile point, EDM=Edge-modified flake, VIS=Visual Sourcing, XRF=X-ray Flourescence

Fish Springs Debitage from Owens Valley: Less than 10 km from Source

Reference	Site	Id	Desc	Met	Rim	Elev	EHT	B.P.
BASGALL AND RICHMAN 1998	CA-INY-3794	227-1-236e	DBTG	VIS	5.0	3871	17.1	1854
BASGALL AND RICHMAN 1998	CA-INY-3794	227-1-236f	DBTG	VIS	4.3	3871	17.1	1348
BASGALL AND RICHMAN 1998	CA-INY-3794	227-1-236d	DBTG	VIS	5.4	3871	17.1	2164
BASGALL AND RICHMAN 1998	CA-INY-3794	227-1-236c	DBTG	VIS	5.5	3871	17.1	2200
BASGALL AND RICHMAN 1998	CA-INY-3794	227-1-236b	DBTG	VIS	5.1	3871	17.1	1938
BASGALL AND RICHMAN 1998	CA-INY-3794	227-1-236a	DBTG	VIS	5.2	3871	17.1	1954
BASGALL AND RICHMAN 1998	CA-INY-3794	227-1-236i	DBTG	VIS	6.3	3871	17.1	2938
BASGALL AND RICHMAN 1998	CA-INY-3794	227-1-236g	DBTG	VIS	6.9	3871	17.1	3505
BASGALL AND RICHMAN 1998	CA-INY-3794	227-1-236h	DBTG	VIS	5.6	3871	17.1	2328
BASGALL AND RICHMAN 1998	CA-INY-3794	227-1-236j	DBTG	VIS	5.9	3871	17.1	2517
BASGALL AND RICHMAN 1998	CA-INY-5267	227-1-244f	DBTG	VIS	2.9	3871	17.1	615
BASGALL AND RICHMAN 1998	CA-INY-5267	227-1-244g	DBTG	VIS	2.7	3871	17.1	550
BASGALL AND RICHMAN 1998	CA-INY-5267	227-1-244e	DBTG	VIS	2.8	3871	17.1	577
BASGALL AND RICHMAN 1998	CA-INY-5267	227-1-244d	DBTG	VIS	2.7	3871	17.1	532
BASGALL AND RICHMAN 1998	CA-INY-5267	227-1-244b	DBTG	VIS	2.8	3871	17.1	559
BASGALL AND RICHMAN 1998	CA-INY-5267	227-1-244c	DBTG	VIS	2.8	3871	17.1	559
BASGALL AND RICHMAN 1998	CA-INY-5267	227-1-244i	DBTG	VIS	2.6	3871	17.1	506
BASGALL AND RICHMAN 1998	CA-INY-5267	227-1-244h	DBTG	VIS	2.7	3871	17.1	532
BASGALL AND RICHMAN 1998	CA-INY-5267	227-1-243g	DBTG	VIS	6.7	3871	17.1	3259
BASGALL AND RICHMAN 1998	CA-INY-5267	227-1-243d	DBTG	VIS	6.8	3871	17.1	3437
BASGALL AND RICHMAN 1998	CA-INY-5267	227-1-243h	DBTG	VIS	6.5	3871	17.1	3065
BASGALL AND RICHMAN 1998	CA-INY-5267	227-1-243j	DBTG	VIS	5.7	3871	17.1	2365
BASGALL AND RICHMAN 1998	CA-INY-5267	227-1-243e	DBTG	VIS	6.9	3871	17.1	3528
BASGALL AND RICHMAN 1998	CA-INY-5267	227-1-243c	DBTG	VIS	6.5	3871	17.1	3150
BASGALL AND RICHMAN 1998	CA-INY-5267	227-1-243b	DBTG	VIS	6.8	3871	17.1	3437
BASGALL AND RICHMAN 1998	CA-INY-5267	227-1-243f	DBTG	VIS	3.7	3871	17.1	982
BASGALL AND RICHMAN 1998	CA-INY-5267	227-1-244a	DBTG	VIS	3.0	3871	17.1	663
BASGALL AND RICHMAN 1998	CA-INY-5267	227-1-243a	DBTG	VIS	6.8	3871	17.1	3370
BASGALL AND RICHMAN 1998	CA-INY-5267	227-1-244j	DBTG	VIS	2.7	3871	17.1	550
BASGALL AND RICHMAN 1998	CA-INY-5267	227-1-243i	DBTG	VIS	6.3	3871	17.1	2959
BASGALL AND RICHMAN 1998	CA-INY-5268	227-1-249H	DBTG	XRF	6.7	3871	17.1	3298
BASGALL AND RICHMAN 1998	CA-INY-5268	227-1-249a	DBTG	VIS	6.4	3871	17.1	3022
BASGALL AND RICHMAN 1998	CA-INY-5268	227-1-249E	DBTG	XRF	7.1	3871	17.1	3704
BASGALL AND RICHMAN 1998	CA-INY-5268	227-1-249b	DBTG	VIS	5.5	3871	17.1	2218
BASGALL AND RICHMAN 1998	CA-INY-5268	227-1-249B	DBTG	XRF	7.8	3871	17.1	4470
BASGALL AND RICHMAN 1998	CA-INY-5268	227-1-249D	DBTG	XRF	7.8	3871	17.1	4470
BASGALL AND RICHMAN 1998	CA-INY-5268	227-1-249A	DBTG	XRF	6.9	3871	17.1	3498
BASGALL AND RICHMAN 1998	CA-INY-5269	227-1-238g	DBTG	VIS	7.2	3871	17.1	3855
BASGALL AND RICHMAN 1998	CA-INY-5269	227-1-238d	DBTG	VIS	6.5	3871	17.1	3065
BASGALL AND RICHMAN 1998	CA-INY-5269	227-1-238e	DBTG	VIS	7.1	3871	17.1	3666
BASGALL AND RICHMAN 1998	CA-INY-5269	227-1-238f	DBTG	VIS	6.3	3871	17.1	2876
BASGALL AND RICHMAN 1998	CA-INY-5269	227-1-238h	DBTG	VIS	6.7	3871	17.1	3347
BASGALL AND RICHMAN 1998	CA-INY-5269	227-1-238i	DBTG	VIS	6.1	3871	17.1	2754
BASGALL AND RICHMAN 1998	CA-INY-5269	227-1-238b	DBTG	VIS	7.7	3871	17.1	4398
BASGALL AND RICHMAN 1998	CA-INY-5269	227-1-238c	DBTG	VIS	6.3	3871	17.1	2938
BASGALL AND RICHMAN 1998	CA-INY-5269	227-1-238a	DBTG	VIS	6.4	3871	17.1	3043
BASGALL AND RICHMAN 1998	CA-INY-5271	227-1-220b	DBTG	VIS	6.5	3871	17.1	3065
BASGALL AND RICHMAN 1998	CA-INY-5271	227-1-220A	DBTG	XRF	7.5	3871	17.1	4133
BASGALL AND RICHMAN 1998	CA-INY-5271	227-1-220g	DBTG	VIS	3.6	3871	17.1	970
BASGALL AND RICHMAN 1998	CA-INY-5271	227-1-220h	DBTG	VIS	8.4	3871	17.1	5223
BASGALL AND RICHMAN 1998	CA-INY-5271	227-1-220E	DBTG	XRF	9.5	3871	17.1	6631
BASGALL AND RICHMAN 1998	CA-INY-5271	227-1-220D	DBTG	XRF	6.5	3871	17.1	3104
BASGALL AND RICHMAN 1998	CA-INY-5272	227-1-197d	DBTG	VIS	3.8	3871	17.1	1043
BASGALL AND RICHMAN 1998	CA-INY-5272	227-1-197h	DBTG	VIS	7.4	3871	17.1	3999
BASGALL AND RICHMAN 1998	CA-INY-5272	227-1-197f	DBTG	VIS	6.7	3871	17.1	3303
BASGALL AND RICHMAN 1998	CA-INY-5272	227-1-197g	DBTG	VIS	6.8	3871	17.1	3437
BASGALL AND RICHMAN 1998	CA-INY-5272	227-1-197i	DBTG	VIS	7.3	3871	17.1	3879
BASGALL AND RICHMAN 1998	CA-INY-5272	227-1-197b	DBTG	VIS	7.9	3871	17.1	4630
BASGALL AND RICHMAN 1998	CA-INY-5272	227-1-197c	DBTG	VIS	6.9	3871	17.1	3528
BASGALL AND RICHMAN 1998	CA-INY-5272	227-1-197e	DBTG	VIS	7.4	3871	17.1	4072
BASGALL AND RICHMAN 1998	CA-INY-5272	227-1-197a	DBTG	VIS	8.2	3871	17.1	4895
BASGALL AND RICHMAN 1998	CA-INY-5273/H	227-1-259j	DBTG	VIS	5.9	3870	17.1	2555
BASGALL AND RICHMAN 1998	CA-INY-5273/H	227-1-256B	DBTG	XRF	2.5	3870	17.1	459
BASGALL AND RICHMAN 1998	CA-INY-5273/H	227-1-256b	DBTG	VIS	2.4	3870	17.1	423
BASGALL AND RICHMAN 1998	CA-INY-5273/H	227-1-257f	DBTG	VIS	7.3	3870	17.1	3877

Reference	Site	Id	Desc	Met	Rim	Elev	EHT	B.P.
BASGALL AND RICHMAN 1998	CA-INY-5273/H	227-1-257e	DBTG	VIS	5.7	3870	17.1	2421
BASGALL AND RICHMAN 1998	CA-INY-5273/H	227-1-257d	DBTG	VIS	7.2	3870	17.1	3830
BASGALL AND RICHMAN 1998	CA-INY-5273/H	227-1-257b	DBTG	VIS	2.6	3870	17.1	514
BASGALL AND RICHMAN 1998	CA-INY-5273/H	227-1-256f	DBTG	VIS	2.6	3870	17.1	514
BASGALL AND RICHMAN 1998	CA-INY-5273/H	227-1-256d	DBTG	VIS	2.7	3870	17.1	532
BASGALL AND RICHMAN 1998	CA-INY-5273/H	227-1-257c	DBTG	VIS	2.9	3870	17.1	615
BASGALL AND RICHMAN 1998	CA-INY-5273/H	227-1-256e	DBTG	VIS	1.5	3870	17.1	171
BASGALL AND RICHMAN 1998	CA-INY-5273/H	227-1-259h	DBTG	VIS	4.8	3870	17.1	1723
BASGALL AND RICHMAN 1998	CA-INY-5273/H	227-1-259f	DBTG	VIS	5.6	3870	17.1	2327
BASGALL AND RICHMAN 1998	CA-INY-5273/H	227-1-256G	DBTG	XRF	2.9	3870	17.1	618
BASGALL AND RICHMAN 1998	CA-INY-5273/H	227-1-259d	DBTG	VIS	5.2	3870	17.1	1971
BASGALL AND RICHMAN 1998	CA-INY-5273/H	227-1-256E	DBTG	XRF	2.8	3870	17.1	576
BASGALL AND RICHMAN 1998	CA-INY-5273/H	227-1-256D	DBTG	XRF	2.2	3870	17.1	355
BASGALL AND RICHMAN 1998	CA-INY-5273/H	227-1-256C	DBTG	XRF	2.0	3870	17.1	294
BASGALL AND RICHMAN 1998	CA-INY-5273/H	227-1-256c	DBTG	VIS	2.8	3870	17.1	568
BASGALL AND RICHMAN 1998	CA-INY-5273/H	227-1-259a	DBTG	VIS	4.5	3870	17.1	1492
BASGALL AND RICHMAN 1998	CA-INY-5273/H	227-1-257a	DBTG	VIS	7.4	3870	17.1	3998
BASGALL AND RICHMAN 1998	CA-INY-5273/H	227-1-259b	DBTG	VIS	5.2	3870	17.1	1954
BASGALL AND RICHMAN 1998	CA-INY-5273/H	227-1-259g	DBTG	VIS	5.2	3870	17.1	1954
BASGALL AND RICHMAN 1998	CA-INY-5273/H	227-1-259i	DBTG	VIS	5.7	3870	17.1	2346
BASGALL AND RICHMAN 1998	CA-INY-5273/H	227-1-259c	DBTG	VIS	5.2	3870	17.1	2022
BASGALL AND RICHMAN 1998	CA-INY-5273/H	227-1-256a	DBTG	VIS	2.6	3870	17.1	506
BASGALL AND RICHMAN 1998	CA-INY-5273/H	227-1-259e	DBTG	VIS	4.8	3870	17.1	1676
BASGALL AND RICHMAN 1998	CA-INY-5275	227-1-264i	DBTG	VIS	2.9	3871	17.1	615
BASGALL AND RICHMAN 1998	CA-INY-5275	227-1-264h	DBTG	VIS	3.3	3871	17.1	798
BASGALL AND RICHMAN 1998	CA-INY-5275	227-1-264e	DBTG	VIS	3.5	3871	17.1	922
BASGALL AND RICHMAN 1998	CA-INY-5275	227-1-264F	DBTG	XRF	5.7	3871	17.1	2387
BASGALL AND RICHMAN 1998	CA-INY-5275	227-1-264D	DBTG	XRF	4.7	3871	17.1	1623
BASGALL AND RICHMAN 1998	CA-INY-5275	227-1-264H	DBTG	XRF	3.0	3871	17.1	661
BASGALL AND RICHMAN 1998	CA-INY-5275	227-1-264B	DBTG	XRF	3.7	3871	17.1	1006
BASGALL AND RICHMAN 1998	CA-INY-5275	227-1-264A	DBTG	XRF	3.8	3871	17.1	1061
BASGALL AND RICHMAN 1998	CA-INY-5275	227-1-265h	DBTG	VIS	3.0	3871	17.1	673
BASGALL AND RICHMAN 1998	CA-INY-5275	227-1-265b	DBTG	VIS	6.1	3871	17.1	2693
BASGALL AND RICHMAN 1998	CA-INY-5275	227-1-264j	DBTG	VIS	3.3	3871	17.1	798
BASGALL AND RICHMAN 1998	CA-INY-5275	227-1-265e	DBTG	VIS	6.1	3871	17.1	2754
BASGALL AND RICHMAN 1998	CA-INY-5275	227-1-264g	DBTG	VIS	4.1	3871	17.1	1224
BASGALL AND RICHMAN 1998	CA-INY-5275	227-1-265i	DBTG	VIS	4.8	3871	17.1	1676
BASGALL AND RICHMAN 1998	CA-INY-5275	227-1-265d	DBTG	VIS	4.5	3871	17.1	1508
BASGALL AND RICHMAN 1998	CA-INY-5275	227-1-265f	DBTG	VIS	5.0	3871	17.1	1821
BASGALL AND RICHMAN 1998	CA-INY-5275	227-1-265g	DBTG	VIS	3.9	3871	17.1	1106
BASGALL AND RICHMAN 1998	CA-INY-5275	227-1-264f	DBTG	VIS	3.9	3871	17.1	1106
BASGALL AND RICHMAN 1998	CA-INY-5275	227-1-265c	DBTG	VIS	5.9	3871	17.1	2575
BURTON 1986	CA-INY-2596	A29A	DBTG	VIS	1.8	4800	14.6	313
BURTON 1986	CA-INY-2596	A12C	DBTG	VIS	2.9	4800	14.6	811
BURTON 1986	CA-INY-2596	A12D	DBTG	VIS	3.4	4800	14.6	1115
BURTON 1986	CA-INY-2596	A12E	DBTG	VIS	3.9	4800	14.6	1467
BURTON 1986	CA-INY-2596	A12E	DBTG	VIS	2.7	4800	14.6	703
BURTON 1986	CA-INY-2596	A14A	DBTG	VIS	3.3	4800	14.6	1051
BURTON 1986	CA-INY-2596	A14B	DBTG	VIS	2.9	4800	14.6	811
BURTON 1986	CA-INY-2596	A14D	DBTG	VIS	2.6	4800	14.6	652
BURTON 1986	CA-INY-2596	A7C	DBTG	VIS	2.9	4800	14.6	811
BURTON 1986	CA-INY-2596	A1C	DBTG	VIS	3.2	4800	14.6	988
BURTON 1986	CA-INY-2596	A35A	DBTG	VIS	2.5	4800	14.6	603
BURTON 1986	CA-INY-2596	T31C	DBTG	VIS	5.9	4800	14.6	3358
BURTON 1986	CA-INY-2596	A34	DBTG	VIS	2.0	4800	14.6	386
BURTON 1986	CA-INY-2596	T31B	DBTG	VIS	3.0	4800	14.6	868
BURTON 1986	CA-INY-2596	T31A	DBTG	XRF	2.6	4800	14.6	652
BURTON 1986	CA-INY-2596	A12B	DBTG	VIS	3.1	4800	14.6	927
BURTON 1986	CA-INY-2596	T4B	DBTG	VIS	2.7	4800	14.6	703
BURTON 1986	CA-INY-2596	A35B	DBTG	VIS	2.6	4800	14.6	652
BURTON 1986	CA-INY-2596	A16B	DBTG	VIS	3.6	4800	14.6	1250
BURTON 1986	CA-INY-2596	A18D	DBTG	VIS	2.1	4800	14.6	425
BURTON 1986	CA-INY-2596	A26B	DBTG	VIS	2.5	4800	14.6	603
BURTON 1986	CA-INY-2596	A26C	DBTG	VIS	1.9	4800	14.6	348
BURTON 1986	CA-INY-2596	T4C	DBTG	VIS	1.9	4800	14.6	348
BURTON 1986	CA-INY-2596	A22B	DBTG	VIS	2.4	4800	14.6	556
BURTON 1986	CA-INY-2596	A22A	DBTG	VIS	2.5	4800	14.6	603
BURTON 1986	CA-INY-2596	A14E	DBTG	VIS	2.7	4800	14.6	703
BURTON 1986	CA-INY-2596	A18C	DBTG	VIS	2.7	4800	14.6	703
BURTON 1986	CA-INY-2596	A22C	DBTG	VIS	2.5	4800	14.6	603
BURTON 1986	CA-INY-2596	A18E	DBTG	VIS	2.6	4800	14.6	652

Reference	Site	Id	Desc	Met	Rim	Elev	EHT	B.P.
BURTON 1986	CA-INY-2596	A20	DBTG	VIS	2.9	4800	14.6	811
BURTON 1986	CA-INY-2596	A20B	DBTG	VIS	2.6	4800	14.6	652
BURTON 1986	CA-INY-2596	A20C	DBTG	VIS	2.4	4800	14.6	556
BURTON 1986	CA-INY-2596	A12A	DBTG	VIS	2.7	4800	14.6	703
BURTON 1986	CA-INY-2596	A20E	DBTG	VIS	2.1	4800	14.6	425
BURTON 1986	CA-INY-2596	A18A	DBTG	VIS	2.6	4800	14.6	652
BURTON 1986	CA-INY-2596	A4B	DBTG	VIS	2.6	4800	14.6	652
BURTON 1986	CA-INY-2596	A1A	DBTG	VIS	2.4	4800	14.6	556
BURTON 1986	CA-INY-2596	A16D	DBTG	VIS	1.7	4800	14.6	279
BURTON 1986	CA-INY-2596	A7E	DBTG	VIS	7.6	4800	14.6	5573
BURTON 1986	CA-INY-2596	A1D	DBTG	VIS	3.0	4800	14.6	868
BURTON 1986	CA-INY-2596	A4A	DBTG	VIS	2.7	4800	14.6	703
BURTON 1986	CA-INY-2596	A4A	DBTG	VIS	1.9	4800	14.6	348
BURTON 1986	CA-INY-2596	A7D	DBTG	VIS	2.6	4800	14.6	652
BURTON 1986	CA-INY-2596	A1B	DBTG	VIS	2.3	4800	14.6	510
BURTON 1986	CA-INY-2596	A7B	DBTG	VIS	9.8	4800	14.6	9266
BURTON 1986	CA-INY-2596	A7A	DBTG	VIS	3.1	4800	14.6	927
BURTON 1986	CA-INY-2596	A4E	DBTG	VIS	2.9	4800	14.6	811
BURTON 1986	CA-INY-2596	A26A	DBTG	VIS	2.4	4800	14.6	556
BURTON 1986	CA-INY-2596	A4C	DBTG	VIS	2.4	4800	14.6	556
BURTON 1986	CA-INY-2596	A4D	DBTG	VIS	3.1	4800	14.6	927
DELACORTE AND MCGUIRE 1993	CA-INY-215	406-11-83C	DBTG	VIS	4.4	0	33.7	274
DELACORTE AND MCGUIRE 1993	CA-INY-215	406-11-100B	DBTG	VIS	4.8	0	33.7	326
DELACORTE AND MCGUIRE 1993	CA-INY-215	406-11-85A	DBTG	VIS	5.0	0	33.7	353
DELACORTE AND MCGUIRE 1993	CA-INY-215	406-11-85B	DBTG	VIS	4.4	0	33.7	274
DELACORTE AND MCGUIRE 1993	CA-INY-215	406-11-100A	DBTG	VIS	5.0	0	33.7	353
DELACORTE AND MCGUIRE 1993	CA-INY-215	406-11-100C	DBTG	VIS	4.8	0	33.7	326
DELACORTE AND MCGUIRE 1993	CA-INY-215	406-11-145B	DBTG	VIS	4.7	0	33.7	312
DELACORTE AND MCGUIRE 1993	CA-INY-215	406-11-182	DBTG	XRF	5.8	0	33.7	475
DELACORTE AND MCGUIRE 1993	CA-INY-215	406-11-38D	DBTG	VIS	4.8	0	33.7	326
DELACORTE AND MCGUIRE 1993	CA-INY-215	406-11-38C	DBTG	VIS	3.8	0	33.7	204
DELACORTE AND MCGUIRE 1993	CA-INY-215	406-11-38B	DBTG	VIS	4.8	0	33.7	326
DELACORTE AND MCGUIRE 1993	CA-INY-215	406-11-38A	DBTG	VIS	5.5	0	33.7	427
DELACORTE AND MCGUIRE 1993	CA-INY-215	406-11-83B	DBTG	VIS	4.9	0	33.7	339
DELACORTE AND MCGUIRE 1993	CA-INY-215	406-11-184	DBTG	XRF	5.5	0	33.7	427
DELACORTE AND MCGUIRE 1993	CA-INY-215	406-11-183	DBTG	XRF	5.7	0	33.7	459
DELACORTE AND MCGUIRE 1993	CA-INY-215	406-11-83A	DBTG	VIS	4.0	0	33.7	226
DELACORTE AND MCGUIRE 1993	CA-INY-215	406-11-145A	DBTG	VIS	4.6	0	33.7	299
DELACORTE AND MCGUIRE 1993	CA-INY-215	406-11-181	DBTG	XRF	5.6	0	33.7	443
DELACORTE AND MCGUIRE 1993	CA-INY-215	406-11-181A	DBTG	XRF	5.9	0	33.7	492
DELACORTE AND MCGUIRE 1993	CA-INY-215	406-11-147C	DBTG	VIS	4.8	0	33.7	326
DELACORTE AND MCGUIRE 1993	CA-INY-215	406-11-147B	DBTG	VIS	4.5	0	33.7	286
DELACORTE AND MCGUIRE 1993	CA-INY-215	406-11-147A	DBTG	VIS	3.4	0	33.7	163
DELACORTE AND MCGUIRE 1993	CA-INY-215	406-11-38E	DBTG	VIS	5.6	0	33.7	443
DELACORTE AND MCGUIRE 1993	CA-INY-215	406-11-100D	DBTG	VIS	4.9	0	33.7	339
DELACORTE AND MCGUIRE 1993	CA-INY-3787	406-5-142B	DBTG	XRF	6.6	0	33.7	615
DELACORTE AND MCGUIRE 1993	CA-INY-3787	406-5-175	DBTG	XRF	4.8	0	33.7	326
DELACORTE AND MCGUIRE 1993	CA-INY-3787	406-5-152A	DBTG	XRF	7.3	0	33.7	753
DELACORTE AND MCGUIRE 1993	CA-INY-3787	406-5-155B	DBTG	XRF	6.7	0	33.7	634
DELACORTE AND MCGUIRE 1993	CA-INY-3787	406-5-138A	DBTG	XRF	6.3	0	33.7	561
DELACORTE AND MCGUIRE 1993	CA-INY-3787	406-5-138B	DBTG	XRF	6.9	0	33.7	673
DELACORTE AND MCGUIRE 1993	CA-INY-3787	406-5-141A	DBTG	XRF	6.5	0	33.7	597
DELACORTE AND MCGUIRE 1993	CA-INY-3787	406-5-173B	DBTG	XRF	6.1	0	33.7	526
DELACORTE AND MCGUIRE 1993	CA-INY-3787	406-5-142A	DBTG	XRF	6.5	0	33.7	597
DELACORTE AND MCGUIRE 1993	CA-INY-3787	406-5-134B	DBTG	XRF	6.5	0	33.7	597
DELACORTE AND MCGUIRE 1993	CA-INY-3787	406-5-152B	DBTG	XRF	5.5	0	33.7	427
DELACORTE AND MCGUIRE 1993	CA-INY-3787	406-5-158	DBTG	XRF	5.6	0	33.7	443
DELACORTE AND MCGUIRE 1993	CA-INY-3787	406-5-162A	DBTG	XRF	6.2	0	33.7	543
DELACORTE AND MCGUIRE 1993	CA-INY-3787	406-5-162B	DBTG	XRF	6.3	0	33.7	561
DELACORTE AND MCGUIRE 1993	CA-INY-3787	406-5-170A	DBTG	XRF	5.8	0	33.7	475
DELACORTE AND MCGUIRE 1993	CA-INY-3787	406-5-170B	DBTG	XRF	5.7	0	33.7	459
DELACORTE AND MCGUIRE 1993	CA-INY-3787	406-5-141B	DBTG	XRF	6.7	0	33.7	634
DELACORTE AND MCGUIRE 1993	CA-INY-3787	406-5-173A	DBTG	XRF	5.7	0	33.7	459
WICKSTROM ET AL 1994	CA-INY-3790	181	DBTG	VIS	5.1	3820	17.3	1880
WICKSTROM ET AL 1994	CA-INY-3790	149	DBTG	VIS	7.1	3820	17.3	3644
WICKSTROM ET AL 1994	CA-INY-3790	140	DBTG	XRF	7.0	3820	17.3	3542
WICKSTROM ET AL 1994	CA-INY-3790	141	DBTG	XRF	4.1	3820	17.3	1215
WICKSTROM ET AL 1994	CA-INY-3790	142	DBTG	VIS	6.2	3820	17.3	2779
WICKSTROM ET AL 1994	CA-INY-3790	143	DBTG	VIS	6.5	3820	17.3	3054
WICKSTROM ET AL 1994	CA-INY-3790	145	DBTG	XRF	6.8	3820	17.3	3343
WICKSTROM ET AL 1994	CA-INY-3790	148	DBTG	VIS	4.4	3820	17.3	1400

Reference	Site	Id	Desc	Met	Rim	Elev	EHT	B.P.
WICKSTROM ET AL 1994	CA-INY-3790	146	DBTG	VIS	5.7	3820	17.3	2349
WICKSTROM ET AL 1994	CA-INY-3790	151	DBTG	VIS	6.6	3820	17.3	3149
WICKSTROM ET AL 1994	CA-INY-3790	171	DBTG	VIS	8.5	3820	17.3	5223
WICKSTROM ET AL 1994	CA-INY-3790	152	DBTG	VIS	7.9	3820	17.3	4512
WICKSTROM ET AL 1994	CA-INY-3790	153	DBTG	VIS	7.3	3820	17.3	3853
WICKSTROM ET AL 1994	CA-INY-3790	154	DBTG	VIS	8.3	3820	17.3	4980
WICKSTROM ET AL 1994	CA-INY-3790	155	DBTG	VIS	8.9	3820	17.3	5727
WICKSTROM ET AL 1994	CA-INY-3790	156	DBTG	VIS	6.3	3820	17.3	2869
WICKSTROM ET AL 1994	CA-INY-3790	157	DBTG	VIS	7.7	3820	17.3	4286
WICKSTROM ET AL 1994	CA-INY-3790	158	DBTG	VIS	8.3	3820	17.3	4980
WICKSTROM ET AL 1994	CA-INY-3790	159	DBTG	VIS	6.8	3820	17.3	3343
WICKSTROM ET AL 1994	CA-INY-3790	150	DBTG	VIS	7.3	3820	17.3	3853
WICKSTROM ET AL 1994	CA-INY-3790	183	DBTG	VIS	5.8	3820	17.3	2432
WICKSTROM ET AL 1994	CA-INY-3790	162	DBTG	VIS	8.1	3820	17.3	4743
WICKSTROM ET AL 1994	CA-INY-3790	178	DBTG	VIS	7.1	3820	17.3	3644
WICKSTROM ET AL 1994	CA-INY-3790	189	DBTG	VIS	4.2	3820	17.3	1275
WICKSTROM ET AL 1994	CA-INY-3790	188	DBTG	VIS	8.6	3820	17.3	5347
WICKSTROM ET AL 1994	CA-INY-3790	187	DBTG	VIS	7.3	3820	17.3	3853
WICKSTROM ET AL 1994	CA-INY-3790	186	DBTG	VIS	7.5	3820	17.3	4067
WICKSTROM ET AL 1994	CA-INY-3790	185	DBTG	VIS	9.5	3820	17.3	6525
WICKSTROM ET AL 1994	CA-INY-3790	164	DBTG	VIS	9.2	3820	17.3	6119
WICKSTROM ET AL 1994	CA-INY-3790	184	DBTG	VIS	7.0	3820	17.3	3542
WICKSTROM ET AL 1994	CA-INY-3790	167	DBTG	VIS	7.6	3820	17.3	4176
WICKSTROM ET AL 1994	CA-INY-3790	180	DBTG	VIS	8.0	3820	17.3	4627
WICKSTROM ET AL 1994	CA-INY-3790	177	DBTG	VIS	7.2	3820	17.3	3748
WICKSTROM ET AL 1994	CA-INY-3790	176	DBTG	VIS	5.1	3820	17.3	1880
WICKSTROM ET AL 1994	CA-INY-3790	175	DBTG	VIS	8.3	3820	17.3	4980
WICKSTROM ET AL 1994	CA-INY-3790	174	DBTG	VIS	9.0	3820	17.3	5856
WICKSTROM ET AL 1994	CA-INY-3790	173	DBTG	VIS	6.9	3820	17.3	3442
WICKSTROM ET AL 1994	CA-INY-3790	172	DBTG	VIS	3.9	3820	17.3	1100
WICKSTROM ET AL 1994	CA-INY-3790	182	DBTG	VIS	8.1	3820	17.3	4743
WICKSTROM ET AL 1994	CA-INY-3790	185	DBTG	VIS	6.2	3820	17.3	2779
WICKSTROM ET AL 1994	CA-INY-3790	161	DBTG	VIS	7.4	3820	17.3	3959
WICKSTROM ET AL 1994	CA-INY-3790	163	DBTG	VIS	2.8	3820	17.3	567
WICKSTROM ET AL 1994	CA-INY-384	1421	DBTG	VIS	5.3	3900	17.0	2083
WICKSTROM ET AL 1994	CA-INY-384	1456	DBTG	VIS	5.8	3900	17.0	2494
WICKSTROM ET AL 1994	CA-INY-384	1496	DBTG	VIS	6.7	3900	17.0	3328
WICKSTROM ET AL 1994	CA-INY-384	1417	DBTG	VIS	2.4	3900	17.0	427
WICKSTROM ET AL 1994	CA-INY-384	1459	DBTG	VIS	6.2	3900	17.0	2850
WICKSTROM ET AL 1994	CA-INY-384	1427	DBTG	VIS	4.3	3900	17.0	1371
WICKSTROM ET AL 1994	CA-INY-384	1426	DBTG	VIS	2.1	3900	17.0	327
WICKSTROM ET AL 1994	CA-INY-384	1426	DBTG	VIS	1.7	3900	17.0	214
WICKSTROM ET AL 1994	CA-INY-384	1317	DBTG	VIS	6.7	3900	17.0	3328
WICKSTROM ET AL 1994	CA-INY-384	1485	DBTG	VIS	8.0	3900	17.0	4745
WICKSTROM ET AL 1994	CA-INY-384	1422	DBTG	VIS	2.1	3900	17.0	327
WICKSTROM ET AL 1994	CA-INY-384	1420	DBTG	VIS	4.0	3900	17.0	1186
WICKSTROM ET AL 1994	CA-INY-384	1429	DBTG	VIS	4.0	3900	17.0	1186
WICKSTROM ET AL 1994	CA-INY-384	1418	DBTG	VIS	6.1	3900	17.0	2759
WICKSTROM ET AL 1994	CA-INY-384	1430	DBTG	VIS	4.9	3900	17.0	1780
WICKSTROM ET AL 1994	CA-INY-384	1416	DBTG	VIS	7.1	3900	17.0	3738
WICKSTROM ET AL 1994	CA-INY-384	1414	DBTG	VIS	5.9	3900	17.0	2581
WICKSTROM ET AL 1994	CA-INY-384	1413	DBTG	VIS	6.2	3900	17.0	2850
WICKSTROM ET AL 1994	CA-INY-384	1413	DBTG	VIS	3.1	3900	17.0	713
WICKSTROM ET AL 1994	CA-INY-384	1318	DBTG	VIS	6.6	3900	17.0	3230
WICKSTROM ET AL 1994	CA-INY-384	1424	DBTG	VIS	4.3	3900	17.0	1371
WICKSTROM ET AL 1994	CA-INY-384	1495	DBTG	VIS	7.0	3900	17.0	3633
WICKSTROM ET AL 1994	CA-INY-384	1505	DBTG	VIS	9.0	3900	17.0	6006
WICKSTROM ET AL 1994	CA-INY-384	1504	DBTG	VIS	8.2	3900	17.0	4985
WICKSTROM ET AL 1994	CA-INY-384	1504	DBTG	VIS	7.5	3900	17.0	4171
WICKSTROM ET AL 1994	CA-INY-384	1503	DBTG	VIS	9.7	3900	17.0	6976
WICKSTROM ET AL 1994	CA-INY-384	1502	DBTG	VIS	8.1	3900	17.0	4865
WICKSTROM ET AL 1994	CA-INY-384	1501	DBTG	VIS	6.5	3900	17.0	3133
WICKSTROM ET AL 1994	CA-INY-384	1500	DBTG	VIS	6.7	3900	17.0	3328
WICKSTROM ET AL 1994	CA-INY-384	1499	DBTG	VIS	6.3	3900	17.0	2943
WICKSTROM ET AL 1994	CA-INY-384	1498	DBTG	VIS	7.8	3900	17.0	4511
WICKSTROM ET AL 1994	CA-INY-384	1486	DBTG	VIS	6.0	3900	17.0	2669
WICKSTROM ET AL 1994	CA-INY-384	1483	DBTG	VIS	7.0	3900	17.0	3633
WICKSTROM ET AL 1994	CA-INY-384	1487	DBTG	VIS	8.4	3900	17.0	5232
WICKSTROM ET AL 1994	CA-INY-384	1484	DBTG	VIS	6.2	3900	17.0	2850
WICKSTROM ET AL 1994	CA-INY-384	1492	DBTG	VIS	9.6	3900	17.0	6833
WICKSTROM ET AL 1994	CA-INY-384	1491	DBTG	VIS	8.1	3900	17.0	4865

Reference	Site	Id	Desc	Met	Rim	Elev	EHT	B.P.
WICKSTROM ET AL 1994	CA-INY-384	1490	DBTG	VIS	8.4	3900	17.0	5232
WICKSTROM ET AL 1994	CA-INY-384	800	DBTG	VIS	9.1	3900	17.0	6140
WICKSTROM ET AL 1994	CA-INY-384	1490	DBTG	VIS	7.3	3900	17.0	3951
WICKSTROM ET AL 1994	CA-INY-384	1489	DBTG	VIS	8.4	3900	17.0	5232
WICKSTROM ET AL 1994	CA-INY-384	1488	DBTG	VIS	8.2	3900	17.0	4985
WICKSTROM ET AL 1994	CA-INY-384	1322	DBTG	VIS	6.1	3900	17.0	2759
WICKSTROM ET AL 1994	CA-INY-384	1497	DBTG	VIS	6.8	3900	17.0	3428
WICKSTROM ET AL 1994	CA-INY-384	1053	DBTG	VIS	7.7	3900	17.0	4396
WICKSTROM ET AL 1994	CA-INY-384	905	DBTG	VIS	6.7	3900	17.0	3328
WICKSTROM ET AL 1994	CA-INY-384	906	DBTG	VIS	3.8	3900	17.0	1071
WICKSTROM ET AL 1994	CA-INY-384	907	DBTG	VIS	6.9	3900	17.0	3530
WICKSTROM ET AL 1994	CA-INY-384	908	DBTG	VIS	8.8	3900	17.0	5742
WICKSTROM ET AL 1994	CA-INY-384	909	DBTG	VIS	6.7	3900	17.0	3328
WICKSTROM ET AL 1994	CA-INY-384	1316	DBTG	VIS	6.9	3900	17.0	3530
WICKSTROM ET AL 1994	CA-INY-384	1062	DBTG	VIS	6.1	3900	17.0	2759
WICKSTROM ET AL 1994	CA-INY-384	1315	DBTG	VIS	6.7	3900	17.0	3328
WICKSTROM ET AL 1994	CA-INY-384	1320	DBTG	VIS	4.3	3900	17.0	1371
WICKSTROM ET AL 1994	CA-INY-384	1050	DBTG	VIS	7.3	3900	17.0	3951
WICKSTROM ET AL 1994	CA-INY-384	645	DBTG	VIS	6.3	3900	17.0	2943
WICKSTROM ET AL 1994	CA-INY-384	1054	DBTG	VIS	6.8	3900	17.0	3428
WICKSTROM ET AL 1994	CA-INY-384	1055	DBTG	VIS	6.2	3900	17.0	2850
WICKSTROM ET AL 1994	CA-INY-384	1056	DBTG	VIS	7.6	3900	17.0	4282
WICKSTROM ET AL 1994	CA-INY-384	1057	DBTG	VIS	6.9	3900	17.0	3530
WICKSTROM ET AL 1994	CA-INY-384	1059	DBTG	VIS	7.2	3900	17.0	3844
WICKSTROM ET AL 1994	CA-INY-384	799	DBTG	VIS	6.8	3900	17.0	3428
WICKSTROM ET AL 1994	CA-INY-384	910	DBTG	VIS	6.5	3900	17.0	3133
WICKSTROM ET AL 1994	CA-INY-384	867	DBTG	VIS	7.2	3900	17.0	3844
WICKSTROM ET AL 1994	CA-INY-384	853	DBTG	VIS	4.7	3900	17.0	1638
WICKSTROM ET AL 1994	CA-INY-384	1048	DBTG	VIS	7.9	3900	17.0	4627
WICKSTROM ET AL 1994	CA-INY-384	1400	DBTG	VIS	4.6	3900	17.0	1569
WICKSTROM ET AL 1994	CA-INY-384	1471	DBTG	VIS	6.3	3900	17.0	2943
WICKSTROM ET AL 1994	CA-INY-384	1323	DBTG	VIS	7.4	3900	17.0	4060
WICKSTROM ET AL 1994	CA-INY-384	1323	DBTG	VIS	6.9	3900	17.0	3530
WICKSTROM ET AL 1994	CA-INY-384	1325	DBTG	VIS	8.1	3900	17.0	4865
WICKSTROM ET AL 1994	CA-INY-384	640	DBTG	VIS	6.6	3900	17.0	3230
WICKSTROM ET AL 1994	CA-INY-384	1326	DBTG	VIS	8.5	3900	17.0	5357
WICKSTROM ET AL 1994	CA-INY-384	1043	DBTG	VIS	6.7	3900	17.0	3328
WICKSTROM ET AL 1994	CA-INY-384	1328	DBTG	VIS	8.2	3900	17.0	4985
WICKSTROM ET AL 1994	CA-INY-384	1329	DBTG	VIS	8.5	3900	17.0	5357
WICKSTROM ET AL 1994	CA-INY-384	904	DBTG	VIS	8.5	3900	17.0	5357
WICKSTROM ET AL 1994	CA-INY-384	1331	DBTG	VIS	9.7	3900	17.0	6976
WICKSTROM ET AL 1994	CA-INY-384	646	DBTG	VIS	6.2	3900	17.0	2850
WICKSTROM ET AL 1994	CA-INY-384	1412	DBTG	VIS	3.5	3900	17.0	908
WICKSTROM ET AL 1994	CA-INY-384	1401	DBTG	VIS	5.3	3900	17.0	2083
WICKSTROM ET AL 1994	CA-INY-384	1402	DBTG	VIS	4.7	3900	17.0	1638
WICKSTROM ET AL 1994	CA-INY-384	1404	DBTG	VIS	4.7	3900	17.0	1638
WICKSTROM ET AL 1994	CA-INY-384	1405	DBTG	VIS	6.3	3900	17.0	2943
WICKSTROM ET AL 1994	CA-INY-384	1326	DBTG	VIS	7.5	3900	17.0	4171
WICKSTROM ET AL 1994	CA-INY-384	643	DBTG	VIS	6.0	3900	17.0	2669
WICKSTROM ET AL 1994	CA-INY-384	644	DBTG	VIS	6.3	3900	17.0	2943
WICKSTROM ET AL 1994	CA-INY-384	1321	DBTG	VIS	8.3	3900	17.0	5108
WICKSTROM ET AL 1994	CA-INY-384	1330	DBTG	VIS	8.9	3900	17.0	5873
WICKSTROM ET AL 1994	CA-INY-384	611	DBTG	VIS	5.8	3900	17.0	2494
WICKSTROM ET AL 1994	CA-INY-384	1506	DBTG	VIS	7.4	3900	17.0	4060
WICKSTROM ET AL 1994	CA-INY-384	630	DBTG	VIS	6.4	3900	17.0	3037
WICKSTROM ET AL 1994	CA-INY-384	641	DBTG	VIS	3.5	3900	17.0	908
WICKSTROM ET AL 1994	CA-INY-384	628	DBTG	VIS	6.6	3900	17.0	3230
WICKSTROM ET AL 1994	CA-INY-384	616	DBTG	VIS	7.7	3900	17.0	4396
WICKSTROM ET AL 1994	CA-INY-384	606	DBTG	VIS	7.7	3900	17.0	4396
WICKSTROM ET AL 1994	CA-INY-384	607	DBTG	VIS	6.8	3900	17.0	3428
WICKSTROM ET AL 1994	CA-INY-384	608	DBTG	VIS	6.9	3900	17.0	3530
WICKSTROM ET AL 1994	CA-INY-384	632	DBTG	VIS	5.2	3900	17.0	2005
WICKSTROM ET AL 1994	CA-INY-384	610	DBTG	VIS	4.6	3900	17.0	1569
WICKSTROM ET AL 1994	CA-INY-384	633	DBTG	VIS	5.4	3900	17.0	2162
WICKSTROM ET AL 1994	CA-INY-384	612	DBTG	VIS	6.1	3900	17.0	2759
WICKSTROM ET AL 1994	CA-INY-384	613	DBTG	VIS	8.1	3900	17.0	4865
WICKSTROM ET AL 1994	CA-INY-384	614	DBTG	VIS	6.3	3900	17.0	2943
WICKSTROM ET AL 1994	CA-INY-384	615	DBTG	VIS	6.5	3900	17.0	3133
WICKSTROM ET AL 1994	CA-INY-384	642	DBTG	VIS	6.6	3900	17.0	3230
WICKSTROM ET AL 1994	CA-INY-384	602	DBTG	VIS	8.5	3900	17.0	5357
WICKSTROM ET AL 1994	CA-INY-384	1327	DBTG	VIS	7.6	3900	17.0	4282

Reference	Site	Id	Desc	Met	Rim	Elev	EHT	B.P.
WICKSTROM ET AL 1994	CA-INY-384	834	DBTG	VIS	5.8	3900	17.0	2494
WICKSTROM ET AL 1994	CA-INY-384	1469	DBTG	VIS	8.3	3900	17.0	5108
WICKSTROM ET AL 1994	CA-INY-384	609	DBTG	VIS	7.0	3900	17.0	3633
WICKSTROM ET AL 1994	CA-INY-384	769	DBTG	VIS	6.5	3900	17.0	3133
WICKSTROM ET AL 1994	CA-INY-384	772	DBTG	VIS	6.7	3900	17.0	3328
WICKSTROM ET AL 1994	CA-INY-384	773	DBTG	VIS	7.0	3900	17.0	3633
WICKSTROM ET AL 1994	CA-INY-384	774	DBTG	VIS	1.4	3900	17.0	145
WICKSTROM ET AL 1994	CA-INY-384	775	DBTG	VIS	7.9	3900	17.0	4627
WICKSTROM ET AL 1994	CA-INY-384	702	DBTG	VIS	6.8	3900	17.0	3428
WICKSTROM ET AL 1994	CA-INY-384	700	DBTG	VIS	6.9	3900	17.0	3530
WICKSTROM ET AL 1994	CA-INY-384	601	DBTG	VIS	8.8	3900	17.0	5742
WICKSTROM ET AL 1994	CA-INY-384	618	DBTG	VIS	6.3	3900	17.0	2943
WICKSTROM ET AL 1994	CA-INY-384	615	DBTG	VIS	7.5	3900	17.0	4171
WICKSTROM ET AL 1994	CA-INY-384	771	DBTG	VIS	6.6	3900	17.0	3230
WICKSTROM ET AL 1994	CA-INY-384	1480	DBTG	VIS	7.8	3900	17.0	4511
WICKSTROM ET AL 1994	CA-INY-384	605	DBTG	VIS	9.3	3900	17.0	6413
WICKSTROM ET AL 1994	CA-INY-384	629	DBTG	VIS	6.3	3900	17.0	2943
WICKSTROM ET AL 1994	CA-INY-384	639	DBTG	VIS	5.5	3900	17.0	2243
WICKSTROM ET AL 1994	CA-INY-384	638	DBTG	VIS	6.5	3900	17.0	3133
WICKSTROM ET AL 1994	CA-INY-384	637	DBTG	VIS	6.4	3900	17.0	3037
WICKSTROM ET AL 1994	CA-INY-384	633	DBTG	VIS	6.6	3900	17.0	3230
WICKSTROM ET AL 1994	CA-INY-384	636	DBTG	VIS	8.9	3900	17.0	5873
WICKSTROM ET AL 1994	CA-INY-384	635	DBTG	VIS	6.1	3900	17.0	2759
WICKSTROM ET AL 1994	CA-INY-384	634	DBTG	VIS	4.0	3900	17.0	1186
WICKSTROM ET AL 1994	CA-INY-384	604	DBTG	VIS	6.5	3900	17.0	3133
WICKSTROM ET AL 1994	CA-INY-384	778	DBTG	VIS	6.9	3900	17.0	3530
WICKSTROM ET AL 1994	CA-INY-384	806	DBTG	VIS	6.3	3900	17.0	2943
WICKSTROM ET AL 1994	CA-INY-384	811	DBTG	VIS	7.0	3900	17.0	3633
WICKSTROM ET AL 1994	CA-INY-384	812	DBTG	VIS	7.8	3900	17.0	4511
WICKSTROM ET AL 1994	CA-INY-384	813	DBTG	VIS	8.1	3900	17.0	4865
WICKSTROM ET AL 1994	CA-INY-384	815	DBTG	VIS	9.5	3900	17.0	6691
WICKSTROM ET AL 1994	CA-INY-384	816	DBTG	VIS	8.5	3900	17.0	5357
WICKSTROM ET AL 1994	CA-INY-384	817	DBTG	VIS	7.6	3900	17.0	4282
WICKSTROM ET AL 1994	CA-INY-384	712	DBTG	VIS	6.9	3900	17.0	3530
WICKSTROM ET AL 1994	CA-INY-384	1482	DBTG	VIS	8.0	3900	17.0	4745
WICKSTROM ET AL 1994	CA-INY-384	1467	DBTG	VIS	8.1	3900	17.0	4865
WICKSTROM ET AL 1994	CA-INY-384	1470	DBTG	VIS	9.7	3900	17.0	6976
WICKSTROM ET AL 1994	CA-INY-384	1465	DBTG	VIS	8.0	3900	17.0	4745
WICKSTROM ET AL 1994	CA-INY-384	1465	DBTG	VIS	4.9	3900	17.0	1780
WICKSTROM ET AL 1994	CA-INY-384	1464	DBTG	VIS	8.5	3900	17.0	5357
WICKSTROM ET AL 1994	CA-INY-384	1463	DBTG	VIS	7.1	3900	17.0	3738
WICKSTROM ET AL 1994	CA-INY-384	1462	DBTG	VIS	8.1	3900	17.0	4865
WICKSTROM ET AL 1994	CA-INY-384	1461	DBTG	VIS	2.9	3900	17.0	624
WICKSTROM ET AL 1994	CA-INY-384	1460	DBTG	VIS	8.6	3900	17.0	5484
WICKSTROM ET AL 1994	CA-INY-384	1406	DBTG	VIS	1.0	3900	17.0	74
WICKSTROM ET AL 1994	CA-INY-384	771	DBTG	VIS	7.7	3900	17.0	4396
WICKSTROM ET AL 1994	CA-INY-384	1468	DBTG	VIS	7.7	3900	17.0	4396
WICKSTROM ET AL 1994	CA-INY-384	626	DBTG	VIS	6.7	3900	17.0	3328
WICKSTROM ET AL 1994	CA-INY-384	1493	DBTG	VIS	7.2	3900	17.0	3844
WICKSTROM ET AL 1994	CA-INY-384	1479	DBTG	VIS	8.2	3900	17.0	4985
WICKSTROM ET AL 1994	CA-INY-384	1478	DBTG	VIS	6.3	3900	17.0	2943
WICKSTROM ET AL 1994	CA-INY-384	1477	DBTG	VIS	7.2	3900	17.0	3844
WICKSTROM ET AL 1994	CA-INY-384	1476	DBTG	VIS	5.9	3900	17.0	2581
WICKSTROM ET AL 1994	CA-INY-384	1475	DBTG	VIS	8.9	3900	17.0	5873
WICKSTROM ET AL 1994	CA-INY-384	1474	DBTG	VIS	7.8	3900	17.0	4511
WICKSTROM ET AL 1994	CA-INY-384	1473	DBTG	VIS	5.7	3900	17.0	2409
WICKSTROM ET AL 1994	CA-INY-384	1472	DBTG	VIS	7.9	3900	17.0	4627
WICKSTROM ET AL 1994	CA-INY-384	858	DBTG	VIS	9.2	3900	17.0	6275
WICKSTROM ET AL 1994	CA-INY-384	1457	DBTG	VIS	5.8	3900	17.0	2494
WICKSTROM ET AL 1994	CA-INY-384	805	DBTG	VIS	8.1	3900	17.0	4865
WICKSTROM ET AL 1994	CA-INY-384	625	DBTG	VIS	6.2	3900	17.0	2850
WICKSTROM ET AL 1994	CA-INY-384	624	DBTG	VIS	4.2	3900	17.0	1308
WICKSTROM ET AL 1994	CA-INY-384	623	DBTG	VIS	6.5	3900	17.0	3133
WICKSTROM ET AL 1994	CA-INY-384	622	DBTG	VIS	7.2	3900	17.0	3844
WICKSTROM ET AL 1994	CA-INY-384	621	DBTG	VIS	6.2	3900	17.0	2850
WICKSTROM ET AL 1994	CA-INY-384	620	DBTG	VIS	4.6	3900	17.0	1569
WICKSTROM ET AL 1994	CA-INY-384	619	DBTG	VIS	6.6	3900	17.0	3230
WICKSTROM ET AL 1994	CA-INY-384	779	DBTG	VIS	6.6	3900	17.0	3230
WICKSTROM ET AL 1994	CA-INY-384	1481	DBTG	VIS	6.7	3900	17.0	3328
WICKSTROM ET AL 1994	CA-INY-384	627	DBTG	VIS	7.1	3900	17.0	3738
WICKSTROM ET AL 1994	CA-INY-384	1595	DBTG	VIS	7.6	3900	17.0	4282

Reference	Site	Id	Desc	Met	Rim	Elev	EHT	B.P.
WICKSTROM ET AL 1994	CA-INY-384	1560	DBTG	VIS	7.0	3900	17.0	3633
WICKSTROM ET AL 1994	CA-INY-384	1559	DBTG	VIS	7.2	3900	17.0	3844
WICKSTROM ET AL 1994	CA-INY-384	1557	DBTG	VIS	5.8	3900	17.0	2494
WICKSTROM ET AL 1994	CA-INY-384	1556	DBTG	VIS	6.7	3900	17.0	3328
WICKSTROM ET AL 1994	CA-INY-384	1507	DBTG	VIS	7.4	3900	17.0	4060
WICKSTROM ET AL 1994	CA-INY-384	1568	DBTG	VIS	7.0	3900	17.0	3633
WICKSTROM ET AL 1994	CA-INY-384	1591	DBTG	VIS	6.4	3900	17.0	3037
WICKSTROM ET AL 1994	CA-INY-384	1602	DBTG	VIS	9.4	3900	17.0	6551
WICKSTROM ET AL 1994	CA-INY-384	1601	DBTG	VIS	8.0	3900	17.0	4745
WICKSTROM ET AL 1994	CA-INY-384	1599	DBTG	VIS	8.2	3900	17.0	4985
WICKSTROM ET AL 1994	CA-INY-384	1598	DBTG	VIS	5.9	3900	17.0	2581
WICKSTROM ET AL 1994	CA-INY-384	594	DBTG	VIS	8.1	3900	17.0	4865
WICKSTROM ET AL 1994	CA-INY-384	1596	DBTG	VIS	6.3	3900	17.0	2943
WICKSTROM ET AL 1994	CA-INY-384	1563	DBTG	VIS	6.7	3900	17.0	3328
WICKSTROM ET AL 1994	CA-INY-384	1594	DBTG	VIS	8.7	3900	17.0	5612
WICKSTROM ET AL 1994	CA-INY-384	1594	DBTG	VIS	8.4	3900	17.0	5232
WICKSTROM ET AL 1994	CA-INY-384	1593	DBTG	VIS	6.3	3900	17.0	2943
WICKSTROM ET AL 1994	CA-INY-384	1579	DBTG	VIS	7.7	3900	17.0	4396
WICKSTROM ET AL 1994	CA-INY-384	1592	DBTG	VIS	4.9	3900	17.0	1780
WICKSTROM ET AL 1994	CA-INY-384	1580	DBTG	VIS	8.1	3900	17.0	4865
WICKSTROM ET AL 1994	CA-INY-384	1589	DBTG	VIS	3.1	3900	17.0	713
WICKSTROM ET AL 1994	CA-INY-384	1588	DBTG	VIS	7.6	3900	17.0	4282
WICKSTROM ET AL 1994	CA-INY-384	1585	DBTG	VIS	7.5	3900	17.0	4171
WICKSTROM ET AL 1994	CA-INY-384	1584	DBTG	VIS	7.4	3900	17.0	4060
WICKSTROM ET AL 1994	CA-INY-384	1583	DBTG	VIS	6.8	3900	17.0	3428
WICKSTROM ET AL 1994	CA-INY-384	1597	DBTG	VIS	5.0	3900	17.0	1854
WICKSTROM ET AL 1994	CA-INY-384	879	DBTG	VIS	7.8	3900	17.0	4511
WICKSTROM ET AL 1994	CA-INY-384	854	DBTG	VIS	3.1	3900	17.0	713
WICKSTROM ET AL 1994	CA-INY-384	689	DBTG	VIS	6.0	3900	17.0	2669
WICKSTROM ET AL 1994	CA-INY-384	881	DBTG	VIS	8.3	3900	17.0	5108
WICKSTROM ET AL 1994	CA-INY-384	882	DBTG	VIS	6.5	3900	17.0	3133
WICKSTROM ET AL 1994	CA-INY-384	890	DBTG	VIS	7.3	3900	17.0	3951
WICKSTROM ET AL 1994	CA-INY-384	891	DBTG	VIS	3.5	3900	17.0	908
WICKSTROM ET AL 1994	CA-INY-384	892	DBTG	VIS	3.8	3900	17.0	1071
WICKSTROM ET AL 1994	CA-INY-384	893	DBTG	VIS	9.6	3900	17.0	6833
WICKSTROM ET AL 1994	CA-INY-384	894	DBTG	VIS	6.4	3900	17.0	3037
WICKSTROM ET AL 1994	CA-INY-384	895	DBTG	VIS	6.4	3900	17.0	3037
WICKSTROM ET AL 1994	CA-INY-384	896	DBTG	VIS	6.9	3900	17.0	3530
WICKSTROM ET AL 1994	CA-INY-384	1560	DBTG	VIS	7.4	3900	17.0	4060
WICKSTROM ET AL 1994	CA-INY-384	884	DBTG	VIS	8.8	3900	17.0	5742
WICKSTROM ET AL 1994	CA-INY-384	1561	DBTG	VIS	3.0	3900	17.0	667
WICKSTROM ET AL 1994	CA-INY-384	1569	DBTG	VIS	6.9	3900	17.0	3530
WICKSTROM ET AL 1994	CA-INY-384	1568	DBTG	VIS	7.3	3900	17.0	3951
WICKSTROM ET AL 1994	CA-INY-384	886	DBTG	VIS	7.6	3900	17.0	4282
WICKSTROM ET AL 1994	CA-INY-384	887	DBTG	VIS	3.0	3900	17.0	667
WICKSTROM ET AL 1994	CA-INY-384	888	DBTG	VIS	5.5	3900	17.0	2243
WICKSTROM ET AL 1994	CA-INY-384	889	DBTG	VIS	5.5	3900	17.0	2243
WICKSTROM ET AL 1994	CA-INY-384	1555	DBTG	VIS	7.2	3900	17.0	3844
WICKSTROM ET AL 1994	CA-INY-384	1567	DBTG	VIS	6.5	3900	17.0	3133
WICKSTROM ET AL 1994	CA-INY-384	1565	DBTG	VIS	6.7	3900	17.0	3328
WICKSTROM ET AL 1994	CA-INY-384	1564	DBTG	VIS	6.4	3900	17.0	3037
WICKSTROM ET AL 1994	CA-INY-384	897	DBTG	VIS	4.5	3900	17.0	1501
WICKSTROM ET AL 1994	CA-INY-384	1554	DBTG	VIS	8.5	3900	17.0	5357
WICKSTROM ET AL 1994	CA-INY-384	585	DBTG	VIS	6.6	3900	17.0	3230
WICKSTROM ET AL 1994	CA-INY-384	1538	DBTG	VIS	7.1	3900	17.0	3738
WICKSTROM ET AL 1994	CA-INY-384	1582	DBTG	VIS	9.6	3900	17.0	6833
WICKSTROM ET AL 1994	CA-INY-384	1551	DBTG	VIS	8.5	3900	17.0	5357
WICKSTROM ET AL 1994	CA-INY-384	1550	DBTG	VIS	7.0	3900	17.0	3633
WICKSTROM ET AL 1994	CA-INY-384	1549	DBTG	VIS	7.2	3900	17.0	3844
WICKSTROM ET AL 1994	CA-INY-384	1548	DBTG	VIS	6.8	3900	17.0	3428
WICKSTROM ET AL 1994	CA-INY-384	1547	DBTG	VIS	7.0	3900	17.0	3633
WICKSTROM ET AL 1994	CA-INY-384	1546	DBTG	VIS	7.1	3900	17.0	3738
WICKSTROM ET AL 1994	CA-INY-384	1545	DBTG	VIS	6.8	3900	17.0	3428
WICKSTROM ET AL 1994	CA-INY-384	1531	DBTG	VIS	7.3	3900	17.0	3951
WICKSTROM ET AL 1994	CA-INY-384	1543	DBTG	VIS	8.0	3900	17.0	4745
WICKSTROM ET AL 1994	CA-INY-384	1508	DBTG	VIS	6.9	3900	17.0	3530
WICKSTROM ET AL 1994	CA-INY-384	1553	DBTG	VIS	6.6	3900	17.0	3230
WICKSTROM ET AL 1994	CA-INY-384	1541	DBTG	VIS	7.1	3900	17.0	3738
WICKSTROM ET AL 1994	CA-INY-384	1543	DBTG	VIS	7.4	3900	17.0	4060
WICKSTROM ET AL 1994	CA-INY-384	1537	DBTG	VIS	6.9	3900	17.0	3530
WICKSTROM ET AL 1994	CA-INY-384	1536	DBTG	VIS	7.3	3900	17.0	3951

Reference	Site	Id	Desc	Met	Rim	Elev	EHT	B.P.
WICKSTROM ET AL 1994	CA-INY-384	1535	DBTG	VIS	6.9	3900	17.0	3530
WICKSTROM ET AL 1994	CA-INY-384	1534	DBTG	VIS	7.8	3900	17.0	4511
WICKSTROM ET AL 1994	CA-INY-384	1533	DBTG	VIS	7.8	3900	17.0	4511
WICKSTROM ET AL 1994	CA-INY-384	1544	DBTG	VIS	8.0	3900	17.0	4745
WICKSTROM ET AL 1994	CA-INY-384	883	DBTG	VIS	5.8	3900	17.0	2494
WICKSTROM ET AL 1994	CA-INY-384	903	DBTG	VIS	6.7	3900	17.0	3328
WICKSTROM ET AL 1994	CA-INY-384	902	DBTG	VIS	5.4	3900	17.0	2162
WICKSTROM ET AL 1994	CA-INY-384	901	DBTG	VIS	7.8	3900	17.0	4511
WICKSTROM ET AL 1994	CA-INY-384	900	DBTG	VIS	5.1	3900	17.0	1928
WICKSTROM ET AL 1994	CA-INY-384	899	DBTG	VIS	6.1	3900	17.0	2759
WICKSTROM ET AL 1994	CA-INY-384	1542	DBTG	VIS	6.4	3900	17.0	3037
WICKSTROM ET AL 1994	CA-INY-384	1519	DBTG	VIS	5.8	3900	17.0	2494
WICKSTROM ET AL 1994	CA-INY-384	1407	DBTG	VIS	2.1	3900	17.0	327
WICKSTROM ET AL 1994	CA-INY-384	1592	DBTG	VIS	6.3	3900	17.0	2943
WICKSTROM ET AL 1994	CA-INY-384	1516	DBTG	VIS	7.8	3900	17.0	4511
WICKSTROM ET AL 1994	CA-INY-384	1556	DBTG	VIS	6.2	3900	17.0	2850
WICKSTROM ET AL 1994	CA-INY-384	1529	DBTG	VIS	6.2	3900	17.0	2850
WICKSTROM ET AL 1994	CA-INY-384	1528	DBTG	VIS	5.9	3900	17.0	2581
WICKSTROM ET AL 1994	CA-INY-384	1527	DBTG	VIS	7.3	3900	17.0	3951
WICKSTROM ET AL 1994	CA-INY-384	1525	DBTG	VIS	6.4	3900	17.0	3037
WICKSTROM ET AL 1994	CA-INY-384	1524	DBTG	VIS	5.2	3900	17.0	2005
WICKSTROM ET AL 1994	CA-INY-384	1523	DBTG	VIS	6.3	3900	17.0	2943
WICKSTROM ET AL 1994	CA-INY-384	1522	DBTG	VIS	8.0	3900	17.0	4745
WICKSTROM ET AL 1994	CA-INY-384	1552	DBTG	VIS	7.2	3900	17.0	3844
WICKSTROM ET AL 1994	CA-INY-384	1520	DBTG	VIS	6.4	3900	17.0	3037
WICKSTROM ET AL 1994	CA-INY-384	1582	DBTG	VIS	8.6	3900	17.0	5484
WICKSTROM ET AL 1994	CA-INY-384	1517	DBTG	VIS	8.5	3900	17.0	5357
WICKSTROM ET AL 1994	CA-INY-384	1532	DBTG	VIS	6.5	3900	17.0	3133
WICKSTROM ET AL 1994	CA-INY-384	1516	DBTG	VIS	3.8	3900	17.0	1071
WICKSTROM ET AL 1994	CA-INY-384	1514	DBTG	VIS	8.1	3900	17.0	4865
WICKSTROM ET AL 1994	CA-INY-384	1513	DBTG	VIS	8.3	3900	17.0	5108
WICKSTROM ET AL 1994	CA-INY-384	1513	DBTG	VIS	1.2	3900	17.0	107
WICKSTROM ET AL 1994	CA-INY-384	1512	DBTG	VIS	7.1	3900	17.0	3738
WICKSTROM ET AL 1994	CA-INY-384	1511	DBTG	VIS	3.8	3900	17.0	1071
WICKSTROM ET AL 1994	CA-INY-384	1510	DBTG	VIS	8.9	3900	17.0	5873
WICKSTROM ET AL 1994	CA-INY-384	1510	DBTG	VIS	8.5	3900	17.0	5357
WICKSTROM ET AL 1994	CA-INY-384	1405	DBTG	VIS	6.6	3900	17.0	3230
WICKSTROM ET AL 1994	CA-INY-384	1518	DBTG	VIS	9.0	3900	17.0	6006
WICKSTROM ET AL 1994	CA-INY-384	1521	DBTG	VIS	7.6	3900	17.0	4282
WICKSTROM ET AL 1994	CA-INY-384	1427	DBTG	VIS	5.3	3900	17.0	2083
WICKSTROM ET AL 1994	CA-INY-384	580	DBTG	VIS	7.3	3900	17.0	3951
WICKSTROM ET AL 1994	CA-INY-384	1419	DBTG	VIS	1.9	3900	17.0	268
WICKSTROM ET AL 1994	CA-INY-384	1443	DBTG	VIS	3.9	3900	17.0	1128
WICKSTROM ET AL 1994	CA-INY-384	1455	DBTG	VIS	5.0	3900	17.0	1854
WICKSTROM ET AL 1994	CA-INY-384	838	DBTG	VIS	7.6	3900	17.0	4282
WICKSTROM ET AL 1994	CA-INY-384	1454	DBTG	VIS	4.9	3900	17.0	1780
WICKSTROM ET AL 1994	CA-INY-384	1453	DBTG	VIS	4.7	3900	17.0	1638
WICKSTROM ET AL 1994	CA-INY-384	1452	DBTG	VIS	5.8	3900	17.0	2494
WICKSTROM ET AL 1994	CA-INY-384	1450	DBTG	VIS	3.7	3900	17.0	1015
WICKSTROM ET AL 1994	CA-INY-384	1449	DBTG	VIS	5.0	3900	17.0	1854
WICKSTROM ET AL 1994	CA-INY-384	1448	DBTG	VIS	4.6	3900	17.0	1569
WICKSTROM ET AL 1994	CA-INY-384	885	DBTG	VIS	7.7	3900	17.0	4396
WICKSTROM ET AL 1994	CA-INY-384	1446	DBTG	VIS	4.7	3900	17.0	1638
WICKSTROM ET AL 1994	CA-INY-384	1411	DBTG	VIS	4.6	3900	17.0	1569
WICKSTROM ET AL 1994	CA-INY-384	1444	DBTG	VIS	5.4	3900	17.0	2162
WICKSTROM ET AL 1994	CA-INY-384	1509	DBTG	VIS	7.1	3900	17.0	3738
WICKSTROM ET AL 1994	CA-INY-384	1442	DBTG	VIS	5.0	3900	17.0	1854
WICKSTROM ET AL 1994	CA-INY-384	1439	DBTG	VIS	5.0	3900	17.0	1854
WICKSTROM ET AL 1994	CA-INY-384	1438	DBTG	VIS	5.5	3900	17.0	2243
WICKSTROM ET AL 1994	CA-INY-384	1437	DBTG	VIS	4.9	3900	17.0	1780
WICKSTROM ET AL 1994	CA-INY-384	1436	DBTG	VIS	1.1	3900	17.0	90
WICKSTROM ET AL 1994	CA-INY-384	1435	DBTG	VIS	5.5	3900	17.0	2243
WICKSTROM ET AL 1994	CA-INY-384	1434	DBTG	VIS	4.0	3900	17.0	1186
WICKSTROM ET AL 1994	CA-INY-384	1433	DBTG	VIS	4.4	3900	17.0	1435
WICKSTROM ET AL 1994	CA-INY-384	1432	DBTG	VIS	4.4	3900	17.0	1435
WICKSTROM ET AL 1994	CA-INY-384	1447	DBTG	VIS	4.8	3900	17.0	1708
WICKSTROM ET AL 1994	CA-INY-384	872	DBTG	VIS	7.8	3900	17.0	4511
WICKSTROM ET AL 1994	CA-INY-384	898	DBTG	VIS	5.2	3900	17.0	2005
WICKSTROM ET AL 1994	CA-INY-384	859	DBTG	VIS	9.0	3900	17.0	6006
WICKSTROM ET AL 1994	CA-INY-384	860	DBTG	VIS	6.9	3900	17.0	3530
WICKSTROM ET AL 1994	CA-INY-384	861	DBTG	VIS	7.9	3900	17.0	4627

Reference	Site	Id	Desc	Met	Rim	Elev	EHT	B.P.
WICKSTROM ET AL 1994	CA-INY-384	863	DBTG	VIS	6.3	3900	17.0	2943
WICKSTROM ET AL 1994	CA-INY-384	864	DBTG	VIS	9.1	3900	17.0	6140
WICKSTROM ET AL 1994	CA-INY-384	770	DBTG	VIS	6.4	3900	17.0	3037
WICKSTROM ET AL 1994	CA-INY-384	866	DBTG	VIS	8.4	3900	17.0	5232
WICKSTROM ET AL 1994	CA-INY-384	850	DBTG	VIS	6.8	3900	17.0	3428
WICKSTROM ET AL 1994	CA-INY-384	868	DBTG	VIS	9.7	3900	17.0	6976
WICKSTROM ET AL 1994	CA-INY-384	869	DBTG	VIS	9.4	3900	17.0	6551
WICKSTROM ET AL 1994	CA-INY-384	1408	DBTG	VIS	2.0	3900	17.0	297
WICKSTROM ET AL 1994	CA-INY-384	871	DBTG	VIS	8.2	3900	17.0	4985
WICKSTROM ET AL 1994	CA-INY-384	1410	DBTG	VIS	3.6	3900	17.0	961
WICKSTROM ET AL 1994	CA-INY-384	873	DBTG	VIS	7.3	3900	17.0	3951
WICKSTROM ET AL 1994	CA-INY-384	874	DBTG	VIS	7.4	3900	17.0	4060
WICKSTROM ET AL 1994	CA-INY-384	875	DBTG	VIS	7.0	3900	17.0	3633
WICKSTROM ET AL 1994	CA-INY-384	876	DBTG	VIS	7.4	3900	17.0	4060
WICKSTROM ET AL 1994	CA-INY-384	877	DBTG	VIS	7.5	3900	17.0	4171
WICKSTROM ET AL 1994	CA-INY-384	865	DBTG	VIS	9.1	3900	17.0	6140
WICKSTROM ET AL 1994	CA-INY-384	832	DBTG	VIS	9.1	3900	17.0	6140
WICKSTROM ET AL 1994	CA-INY-384	1603	DBTG	VIS	1.4	3900	17.0	145
WICKSTROM ET AL 1994	CA-INY-384	835	DBTG	VIS	6.5	3900	17.0	3133
WICKSTROM ET AL 1994	CA-INY-384	836	DBTG	VIS	9.4	3900	17.0	6551
WICKSTROM ET AL 1994	CA-INY-384	837	DBTG	VIS	6.8	3900	17.0	3428
WICKSTROM ET AL 1994	CA-INY-384	1566	DBTG	VIS	7.2	3900	17.0	3844
WICKSTROM ET AL 1994	CA-INY-384	870	DBTG	VIS	9.1	3900	17.0	6140
WICKSTROM ET AL 1994	CA-INY-384	583	DBTG	VIS	6.7	3900	17.0	3328
WICKSTROM ET AL 1994	CA-INY-384	1431	DBTG	VIS	4.3	3900	17.0	1371
WICKSTROM ET AL 1994	CA-INY-384	596	DBTG	VIS	6.8	3900	17.0	3428
WICKSTROM ET AL 1994	CA-INY-384	878	DBTG	VIS	9.6	3900	17.0	6833
WICKSTROM ET AL 1994	CA-INY-384	586	DBTG	VIS	7.0	3900	17.0	3633
WICKSTROM ET AL 1994	CA-INY-384	586	DBTG	VIS	7.4	3900	17.0	4060
WICKSTROM ET AL 1994	CA-INY-384	587	DBTG	VIS	7.0	3900	17.0	3633
WICKSTROM ET AL 1994	CA-INY-384	588	DBTG	VIS	2.0	3900	17.0	297
WICKSTROM ET AL 1994	CA-INY-384	589	DBTG	VIS	7.3	3900	17.0	3951
WICKSTROM ET AL 1994	CA-INY-384	590	DBTG	VIS	7.2	3900	17.0	3844
WICKSTROM ET AL 1994	CA-INY-384	780	DBTG	VIS	7.5	3900	17.0	4171
WICKSTROM ET AL 1994	CA-INY-384	591	DBTG	VIS	7.2	3900	17.0	3844
WICKSTROM ET AL 1994	CA-INY-384	880	DBTG	VIS	9.8	3900	17.0	7121
WICKSTROM ET AL 1994	CA-INY-384	592	DBTG	VIS	7.3	3900	17.0	3951
WICKSTROM ET AL 1994	CA-INY-384	849	DBTG	VIS	4.9	3900	17.0	1780
WICKSTROM ET AL 1994	CA-INY-384	595	DBTG	VIS	7.9	3900	17.0	4627
WICKSTROM ET AL 1994	CA-INY-384	582	DBTG	VIS	6.7	3900	17.0	3328
WICKSTROM ET AL 1994	CA-INY-384	597	DBTG	VIS	6.4	3900	17.0	3037
WICKSTROM ET AL 1994	CA-INY-384	598	DBTG	VIS	7.3	3900	17.0	3951
WICKSTROM ET AL 1994	CA-INY-384	599	DBTG	VIS	7.2	3900	17.0	3844
WICKSTROM ET AL 1994	CA-INY-384	600	DBTG	VIS	7.0	3900	17.0	3633
WICKSTROM ET AL 1994	CA-INY-384	1641	DBTG	VIS	6.9	3900	17.0	3530
WICKSTROM ET AL 1994	CA-INY-384	1642	DBTG	VIS	6.8	3900	17.0	3428
WICKSTROM ET AL 1994	CA-INY-384	823	DBTG	VIS	7.6	3900	17.0	4282
WICKSTROM ET AL 1994	CA-INY-384	820	DBTG	VIS	7.3	3900	17.0	3951
WICKSTROM ET AL 1994	CA-INY-384	807	DBTG	VIS	7.8	3900	17.0	4511
WICKSTROM ET AL 1994	CA-INY-384	1645	DBTG	VIS	7.2	3900	17.0	3844
WICKSTROM ET AL 1994	CA-INY-384	762	DBTG	VIS	8.2	3900	17.0	4985
WICKSTROM ET AL 1994	CA-INY-384	852	DBTG	VIS	7.2	3900	17.0	3844
WICKSTROM ET AL 1994	CA-INY-384	856	DBTG	VIS	9.4	3900	17.0	6551
WICKSTROM ET AL 1994	CA-INY-384	1578	DBTG	VIS	7.4	3900	17.0	4060
WICKSTROM ET AL 1994	CA-INY-384	1575	DBTG	VIS	7.7	3900	17.0	4396
WICKSTROM ET AL 1994	CA-INY-384	1574	DBTG	VIS	7.7	3900	17.0	4396
WICKSTROM ET AL 1994	CA-INY-384	1573	DBTG	VIS	8.8	3900	17.0	5742
WICKSTROM ET AL 1994	CA-INY-384	1573	DBTG	VIS	7.2	3900	17.0	3844
WICKSTROM ET AL 1994	CA-INY-384	1572	DBTG	VIS	7.3	3900	17.0	3951
WICKSTROM ET AL 1994	CA-INY-384	839	DBTG	VIS	8.9	3900	17.0	5873
WICKSTROM ET AL 1994	CA-INY-384	1572	DBTG	VIS	6.6	3900	17.0	3230
WICKSTROM ET AL 1994	CA-INY-384	1637	DBTG	VIS	6.7	3900	17.0	3328
WICKSTROM ET AL 1994	CA-INY-384	825	DBTG	VIS	6.7	3900	17.0	3328
WICKSTROM ET AL 1994	CA-INY-384	830	DBTG	VIS	6.1	3900	17.0	2759
WICKSTROM ET AL 1994	CA-INY-384	829	DBTG	VIS	7.8	3900	17.0	4511
WICKSTROM ET AL 1994	CA-INY-384	1445	DBTG	VIS	4.9	3900	17.0	1780
WICKSTROM ET AL 1994	CA-INY-384	831	DBTG	VIS	9.4	3900	17.0	6551
WICKSTROM ET AL 1994	CA-INY-384	851	DBTG	VIS	6.1	3900	17.0	2759
WICKSTROM ET AL 1994	CA-INY-384	833	DBTG	VIS	9.4	3900	17.0	6551
WICKSTROM ET AL 1994	CA-INY-384	840	DBTG	VIS	7.4	3900	17.0	4060
WICKSTROM ET AL 1994	CA-INY-384	841	DBTG	VIS	7.8	3900	17.0	4511

Reference	Site	Id	Desc	Met	Rim	Elev	EHT	B.P.
WICKSTROM ET AL 1994	CA-INY-384	842	DBTG	VIS	7.9	3900	17.0	4627
WICKSTROM ET AL 1994	CA-INY-384	844	DBTG	VIS	2.9	3900	17.0	624
WICKSTROM ET AL 1994	CA-INY-384	1571	DBTG	VIS	6.4	3900	17.0	3037
WICKSTROM ET AL 1994	CA-INY-384	1570	DBTG	VIS	8.2	3900	17.0	4985
WICKSTROM ET AL 1994	CA-INY-384	845	DBTG	VIS	7.8	3900	17.0	4511
WICKSTROM ET AL 1994	CA-INY-384	846	DBTG	VIS	7.0	3900	17.0	3633
WICKSTROM ET AL 1994	CA-INY-384	847	DBTG	VIS	4.8	3900	17.0	1708
WICKSTROM ET AL 1994	CA-INY-384	826	DBTG	VIS	7.1	3900	17.0	3738
WICKSTROM ET AL 1994	CA-INY-384	651	DBTG	VIS	7.3	3900	17.0	3951
WICKSTROM ET AL 1994	CA-INY-384	707	DBTG	VIS	7.0	3900	17.0	3633
WICKSTROM ET AL 1994	CA-INY-384	713	DBTG	VIS	8.8	3900	17.0	5742
WICKSTROM ET AL 1994	CA-INY-384	715	DBTG	VIS	6.8	3900	17.0	3428
WICKSTROM ET AL 1994	CA-INY-384	716	DBTG	VIS	7.8	3900	17.0	4511
WICKSTROM ET AL 1994	CA-INY-384	1634	DBTG	VIS	9.6	3900	17.0	6833
WICKSTROM ET AL 1994	CA-INY-384	720	DBTG	VIS	7.4	3900	17.0	4060
WICKSTROM ET AL 1994	CA-INY-384	708	DBTG	VIS	7.2	3900	17.0	3844
WICKSTROM ET AL 1994	CA-INY-384	721	DBTG	VIS	4.3	3900	17.0	1371
WICKSTROM ET AL 1994	CA-INY-384	710	DBTG	VIS	8.2	3900	17.0	4985
WICKSTROM ET AL 1994	CA-INY-384	660	DBTG	VIS	7.8	3900	17.0	4511
WICKSTROM ET AL 1994	CA-INY-384	669	DBTG	VIS	8.4	3900	17.0	5232
WICKSTROM ET AL 1994	CA-INY-384	670	DBTG	VIS	5.1	3900	17.0	1928
WICKSTROM ET AL 1994	CA-INY-384	675	DBTG	VIS	7.0	3900	17.0	3633
WICKSTROM ET AL 1994	CA-INY-384	671	DBTG	VIS	7.1	3900	17.0	3738
WICKSTROM ET AL 1994	CA-INY-384	672	DBTG	VIS	6.5	3900	17.0	3133
WICKSTROM ET AL 1994	CA-INY-384	673	DBTG	VIS	6.5	3900	17.0	3133
WICKSTROM ET AL 1994	CA-INY-384	674	DBTG	VIS	7.4	3900	17.0	4060
WICKSTROM ET AL 1994	CA-INY-384	648	DBTG	VIS	7.6	3900	17.0	4282
WICKSTROM ET AL 1994	CA-INY-384	709	DBTG	VIS	8.7	3900	17.0	5612
WICKSTROM ET AL 1994	CA-INY-384	676	DBTG	VIS	7.1	3900	17.0	3738
WICKSTROM ET AL 1994	CA-INY-384	661	DBTG	VIS	5.7	3900	17.0	2409
WICKSTROM ET AL 1994	CA-INY-384	663	DBTG	VIS	6.8	3900	17.0	3428
WICKSTROM ET AL 1994	CA-INY-384	664	DBTG	VIS	6.4	3900	17.0	3037
WICKSTROM ET AL 1994	CA-INY-384	1425	DBTG	VIS	4.2	3900	17.0	1308
WICKSTROM ET AL 1994	CA-INY-384	679	DBTG	VIS	8.7	3900	17.0	5612
WICKSTROM ET AL 1994	CA-INY-384	704	DBTG	VIS	3.5	3900	17.0	908
WICKSTROM ET AL 1994	CA-INY-384	665	DBTG	VIS	6.5	3900	17.0	3133
WICKSTROM ET AL 1994	CA-INY-384	685	DBTG	VIS	7.4	3900	17.0	4060
WICKSTROM ET AL 1994	CA-INY-384	706	DBTG	VIS	6.1	3900	17.0	2759
WICKSTROM ET AL 1994	CA-INY-384	687	DBTG	VIS	6.6	3900	17.0	3230
WICKSTROM ET AL 1994	CA-INY-384	705	DBTG	VIS	6.3	3900	17.0	2943
WICKSTROM ET AL 1994	CA-INY-384	677	DBTG	VIS	7.4	3900	17.0	4060
WICKSTROM ET AL 1994	CA-INY-384	739	DBTG	VIS	7.2	3900	17.0	3844
WICKSTROM ET AL 1994	CA-INY-384	741	DBTG	VIS	7.3	3900	17.0	3951
WICKSTROM ET AL 1994	CA-INY-384	742	DBTG	VIS	7.1	3900	17.0	3738
WICKSTROM ET AL 1994	CA-INY-384	743	DBTG	VIS	7.2	3900	17.0	3844
WICKSTROM ET AL 1994	CA-INY-384	683	DBTG	VIS	8.1	3900	17.0	4865
WICKSTROM ET AL 1994	CA-INY-384	703	DBTG	VIS	6.6	3900	17.0	3230
WICKSTROM ET AL 1994	CA-INY-384	678	DBTG	VIS	6.8	3900	17.0	3428
WICKSTROM ET AL 1994	CA-INY-384	686	DBTG	VIS	6.5	3900	17.0	3133
WICKSTROM ET AL 1994	CA-INY-384	1622	DBTG	VIS	1.7	3900	17.0	214
WICKSTROM ET AL 1994	CA-INY-384	684	DBTG	VIS	6.7	3900	17.0	3328
WICKSTROM ET AL 1994	CA-INY-384	1615	DBTG	VIS	6.0	3900	17.0	2669
WICKSTROM ET AL 1994	CA-INY-384	1623	DBTG	VIS	5.2	3900	17.0	2005
WICKSTROM ET AL 1994	CA-INY-384	1612	DBTG	VIS	6.7	3900	17.0	3328
WICKSTROM ET AL 1994	CA-INY-384	1611	DBTG	VIS	4.3	3900	17.0	1371
WICKSTROM ET AL 1994	CA-INY-384	1610	DBTG	VIS	7.0	3900	17.0	3633
WICKSTROM ET AL 1994	CA-INY-384	1614	DBTG	VIS	6.8	3900	17.0	3428
WICKSTROM ET AL 1994	CA-INY-384	1631	DBTG	VIS	7.4	3900	17.0	4060
WICKSTROM ET AL 1994	CA-INY-384	1616	DBTG	VIS	5.5	3900	17.0	2243
WICKSTROM ET AL 1994	CA-INY-384	1632	DBTG	VIS	7.4	3900	17.0	4060
WICKSTROM ET AL 1994	CA-INY-384	1617	DBTG	VIS	6.0	3900	17.0	2669
WICKSTROM ET AL 1994	CA-INY-384	1629	DBTG	VIS	8.8	3900	17.0	5742
WICKSTROM ET AL 1994	CA-INY-384	1627	DBTG	VIS	6.8	3900	17.0	3428
WICKSTROM ET AL 1994	CA-INY-384	1627	DBTG	VIS	6.3	3900	17.0	2943
WICKSTROM ET AL 1994	CA-INY-384	781	DBTG	VIS	9.6	3900	17.0	6833
WICKSTROM ET AL 1994	CA-INY-384	1626	DBTG	VIS	1.6	3900	17.0	190
WICKSTROM ET AL 1994	CA-INY-384	541	DBTG	VIS	8.0	3900	17.0	4745
WICKSTROM ET AL 1994	CA-INY-384	1625	DBTG	VIS	7.9	3900	17.0	4627
WICKSTROM ET AL 1994	CA-INY-384	1624	DBTG	VIS	8.5	3900	17.0	5357
WICKSTROM ET AL 1994	CA-INY-384	1621	DBTG	VIS	7.0	3900	17.0	3633
WICKSTROM ET AL 1994	CA-INY-384	657	DBTG	VIS	7.3	3900	17.0	3951

Reference	Site	Id	Desc	Met	Rim	Elev	EHT	B.P.
WICKSTROM ET AL 1994	CA-INY-384	744	DBTG	VIS	6.9	3900	17.0	3530
WICKSTROM ET AL 1994	CA-INY-384	652	DBTG	VIS	6.8	3900	17.0	3428
WICKSTROM ET AL 1994	CA-INY-384	653	DBTG	VIS	7.0	3900	17.0	3633
WICKSTROM ET AL 1994	CA-INY-384	736	DBTG	VIS	7.6	3900	17.0	4282
WICKSTROM ET AL 1994	CA-INY-384	738	DBTG	VIS	6.1	3900	17.0	2759
WICKSTROM ET AL 1994	CA-INY-384	666	DBTG	VIS	6.8	3900	17.0	3428
WICKSTROM ET AL 1994	CA-INY-384	667	DBTG	VIS	7.3	3900	17.0	3951
WICKSTROM ET AL 1994	CA-INY-384	654	DBTG	VIS	5.8	3900	17.0	2494
WICKSTROM ET AL 1994	CA-INY-384	1615	DBTG	VIS	7.2	3900	17.0	3844
WICKSTROM ET AL 1994	CA-INY-384	656	DBTG	VIS	7.7	3900	17.0	4396
WICKSTROM ET AL 1994	CA-INY-384	650	DBTG	VIS	7.1	3900	17.0	3738
WICKSTROM ET AL 1994	CA-INY-384	658	DBTG	VIS	6.6	3900	17.0	3230
WICKSTROM ET AL 1994	CA-INY-384	649	DBTG	VIS	7.6	3900	17.0	4282
WICKSTROM ET AL 1994	CA-INY-384	1606	DBTG	VIS	7.4	3900	17.0	4060
WICKSTROM ET AL 1994	CA-INY-384	1423	DBTG	VIS	2.6	3900	17.0	501
WICKSTROM ET AL 1994	CA-INY-384	1613	DBTG	VIS	6.8	3900	17.0	3428
WICKSTROM ET AL 1994	CA-INY-384	1620	DBTG	VIS	3.5	3900	17.0	908
WICKSTROM ET AL 1994	CA-INY-384	1619	DBTG	VIS	5.6	3900	17.0	2325
WICKSTROM ET AL 1994	CA-INY-384	1618	DBTG	VIS	5.7	3900	17.0	2409
WICKSTROM ET AL 1994	CA-INY-384	655	DBTG	VIS	6.6	3900	17.0	3230
WICKSTROM ET AL 1994	CA-INY-384	566	DBTG	VIS	8.2	3900	17.0	4985
WICKSTROM ET AL 1994	CA-INY-384	547	DBTG	VIS	6.5	3900	17.0	3133
WICKSTROM ET AL 1994	CA-INY-384	786	DBTG	VIS	6.3	3900	17.0	2943
WICKSTROM ET AL 1994	CA-INY-384	691	DBTG	VIS	7.2	3900	17.0	3844
WICKSTROM ET AL 1994	CA-INY-384	543	DBTG	VIS	5.0	3900	17.0	1854
WICKSTROM ET AL 1994	CA-INY-384	784	DBTG	VIS	7.1	3900	17.0	3738
WICKSTROM ET AL 1994	CA-INY-384	1636	DBTG	VIS	7.6	3900	17.0	4282
WICKSTROM ET AL 1994	CA-INY-384	559	DBTG	VIS	7.0	3900	17.0	3633
WICKSTROM ET AL 1994	CA-INY-384	561	DBTG	VIS	5.8	3900	17.0	2494
WICKSTROM ET AL 1994	CA-INY-384	731	DBTG	VIS	6.5	3900	17.0	3133
WICKSTROM ET AL 1994	CA-INY-384	565	DBTG	VIS	7.8	3900	17.0	4511
WICKSTROM ET AL 1994	CA-INY-384	729	DBTG	VIS	7.3	3900	17.0	3951
WICKSTROM ET AL 1994	CA-INY-384	567	DBTG	VIS	6.7	3900	17.0	3328
WICKSTROM ET AL 1994	CA-INY-384	568	DBTG	VIS	5.9	3900	17.0	2581
WICKSTROM ET AL 1994	CA-INY-384	766	DBTG	VIS	7.8	3900	17.0	4511
WICKSTROM ET AL 1994	CA-INY-384	765	DBTG	VIS	8.8	3900	17.0	5742
WICKSTROM ET AL 1994	CA-INY-384	544	DBTG	VIS	4.2	3900	17.0	1308
WICKSTROM ET AL 1994	CA-INY-384	545	DBTG	VIS	5.3	3900	17.0	2083
WICKSTROM ET AL 1994	CA-INY-384	546	DBTG	VIS	4.7	3900	17.0	1638
WICKSTROM ET AL 1994	CA-INY-384	722	DBTG	VIS	7.5	3900	17.0	4171
WICKSTROM ET AL 1994	CA-INY-384	563	DBTG	VIS	7.3	3900	17.0	3951
WICKSTROM ET AL 1994	CA-INY-384	802	DBTG	VIS	7.4	3900	17.0	4060
WICKSTROM ET AL 1994	CA-INY-384	727	DBTG	VIS	7.8	3900	17.0	4511
WICKSTROM ET AL 1994	CA-INY-384	726	DBTG	VIS	7.3	3900	17.0	3951
WICKSTROM ET AL 1994	CA-INY-384	697	DBTG	VIS	6.6	3900	17.0	3230
WICKSTROM ET AL 1994	CA-INY-384	696	DBTG	VIS	6.4	3900	17.0	3037
WICKSTROM ET AL 1994	CA-INY-384	695	DBTG	VIS	6.8	3900	17.0	3428
WICKSTROM ET AL 1994	CA-INY-384	694	DBTG	VIS	9.1	3900	17.0	6140
WICKSTROM ET AL 1994	CA-INY-384	801	DBTG	VIS	7.2	3900	17.0	3844
WICKSTROM ET AL 1994	CA-INY-384	680	DBTG	VIS	5.8	3900	17.0	2494
WICKSTROM ET AL 1994	CA-INY-384	732	DBTG	VIS	7.9	3900	17.0	4627
WICKSTROM ET AL 1994	CA-INY-384	631	DBTG	VIS	7.1	3900	17.0	3738
WICKSTROM ET AL 1994	CA-INY-384	576	DBTG	VIS	4.8	3900	17.0	1708
WICKSTROM ET AL 1994	CA-INY-384	757	DBTG	VIS	6.9	3900	17.0	3530
WICKSTROM ET AL 1994	CA-INY-384	756	DBTG	VIS	7.3	3900	17.0	3951
WICKSTROM ET AL 1994	CA-INY-384	753	DBTG	VIS	6.8	3900	17.0	3428
WICKSTROM ET AL 1994	CA-INY-384	752	DBTG	VIS	7.5	3900	17.0	4171
WICKSTROM ET AL 1994	CA-INY-384	751	DBTG	VIS	7.8	3900	17.0	4511
WICKSTROM ET AL 1994	CA-INY-384	725	DBTG	VIS	8.5	3900	17.0	5357
WICKSTROM ET AL 1994	CA-INY-384	723	DBTG	VIS	9.1	3900	17.0	6140
WICKSTROM ET AL 1994	CA-INY-384	728	DBTG	VIS	7.4	3900	17.0	4060
WICKSTROM ET AL 1994	CA-INY-384	692	DBTG	VIS	6.1	3900	17.0	2759
WICKSTROM ET AL 1994	CA-INY-384	558	DBTG	VIS	8.5	3900	17.0	5357
WICKSTROM ET AL 1994	CA-INY-384	573	DBTG	VIS	7.8	3900	17.0	4511
WICKSTROM ET AL 1994	CA-INY-384	782	DBTG	VIS	6.1	3900	17.0	2759
WICKSTROM ET AL 1994	CA-INY-384	693	DBTG	VIS	7.3	3900	17.0	3951
WICKSTROM ET AL 1994	CA-INY-384	574	DBTG	VIS	8.7	3900	17.0	5612
WICKSTROM ET AL 1994	CA-INY-384	538	DBTG	VIS	6.0	3900	17.0	2669
WICKSTROM ET AL 1994	CA-INY-384	539	DBTG	VIS	7.3	3900	17.0	3951
WICKSTROM ET AL 1994	CA-INY-384	540	DBTG	VIS	7.4	3900	17.0	4060
WICKSTROM ET AL 1994	CA-INY-384	777	DBTG	VIS	8.4	3900	17.0	5232

Reference	Site	Id	Desc	Met	Rim	Elev	EHT	B.P.
WICKSTROM ET AL 1994	CA-INY-384	785	DBTG	VIS	7.0	3900	17.0	3633
WICKSTROM ET AL 1994	CA-INY-384	796	DBTG	VIS	6.3	3900	17.0	2943
WICKSTROM ET AL 1994	CA-INY-384	571	DBTG	VIS	8.9	3900	17.0	5873
WICKSTROM ET AL 1994	CA-INY-384	542	DBTG	VIS	7.8	3900	17.0	4511
WICKSTROM ET AL 1994	CA-INY-384	795	DBTG	VIS	7.8	3900	17.0	4511
WICKSTROM ET AL 1994	CA-INY-384	763	DBTG	VIS	8.7	3900	17.0	5612
WICKSTROM ET AL 1994	CA-INY-384	794	DBTG	VIS	8.7	3900	17.0	5612
WICKSTROM ET AL 1994	CA-INY-384	764	DBTG	VIS	7.0	3900	17.0	3633
WICKSTROM ET AL 1994	CA-INY-384	793	DBTG	VIS	7.3	3900	17.0	3951
WICKSTROM ET AL 1994	CA-INY-384	792	DBTG	VIS	8.4	3900	17.0	5232
WICKSTROM ET AL 1994	CA-INY-384	783	DBTG	VIS	6.8	3900	17.0	3428
WICKSTROM ET AL 1994	CA-INY-384	797	DBTG	VIS	7.0	3900	17.0	3633
WICKSTROM ET AL 1994	CA-INY-384	789	DBTG	VIS	8.5	3900	17.0	5357
WICKSTROM ET AL 1994	CA-INY-384	548	DBTG	VIS	7.6	3900	17.0	4282
WICKSTROM ET AL 1994	CA-INY-384	549	DBTG	VIS	7.7	3900	17.0	4396
WICKSTROM ET AL 1994	CA-INY-384	551	DBTG	VIS	6.4	3900	17.0	3037
WICKSTROM ET AL 1994	CA-INY-384	552	DBTG	VIS	9.3	3900	17.0	6413
WICKSTROM ET AL 1994	CA-INY-384	577	DBTG	VIS	6.4	3900	17.0	3037
WICKSTROM ET AL 1994	CA-INY-384	578	DBTG	VIS	7.5	3900	17.0	4171
WICKSTROM ET AL 1994	CA-INY-384	575	DBTG	VIS	6.5	3900	17.0	3133
WICKSTROM ET AL 1994	CA-INY-384	570	DBTG	VIS	8.8	3900	17.0	5742
WICKSTROM ET AL 1994	CA-INY-384	537	DBTG	VIS	6.4	3900	17.0	3037
WICKSTROM ET AL 1994	CA-INY-384	787	DBTG	VIS	6.0	3900	17.0	2669
WICKSTROM ET AL 1994	CA-INY-384	569	DBTG	VIS	8.9	3900	17.0	5873
WICKSTROM ET AL 1994	CA-INY-384	555	DBTG	VIS	8.5	3900	17.0	5357
WICKSTROM ET AL 1994	CA-INY-384	553	DBTG	VIS	6.9	3900	17.0	3530
WICKSTROM ET AL 1994	CA-INY-384	767	DBTG	VIS	8.6	3900	17.0	5484
WICKSTROM ET AL 1994	CA-INY-384	554	DBTG	VIS	7.1	3900	17.0	3738
WICKSTROM ET AL 1994	CA-INY-384	557	DBTG	VIS	7.9	3900	17.0	4627
WICKSTROM ET AL 1994	CA-INY-384	556	DBTG	VIS	8.1	3900	17.0	4865
WICKSTROM ET AL 1994	CA-INY-384	1635	DBTG	VIS	7.3	3900	17.0	3951
WICKSTROM ET AL 1994	CA-INY-384	711	DBTG	VIS	7.8	3900	17.0	4511
WICKSTROM ET AL 1994	CA-INY-4547	67	DBTG	XRF	5.3	4000	16.8	2148
WICKSTROM ET AL 1994	CA-INY-4547	107	DBTG	VIS	5.3	4000	16.8	2148
WICKSTROM ET AL 1994	CA-INY-4547	110	DBTG	VIS	3.0	4000	16.8	688
WICKSTROM ET AL 1994	CA-INY-4547	108	DBTG	VIS	5.4	4000	16.8	2230
WICKSTROM ET AL 1994	CA-INY-4547	63	DBTG	XRF	5.3	4000	16.8	2148
WICKSTROM ET AL 1994	CA-INY-4547	86	DBTG	VIS	4.6	4000	16.8	1618
WICKSTROM ET AL 1994	CA-INY-4547	225A	DBTG	VIS	3.8	4000	16.8	1104
WICKSTROM ET AL 1994	CA-INY-4547	106	DBTG	VIS	3.1	4000	16.8	735
WICKSTROM ET AL 1994	CA-INY-4547	87	DBTG	VIS	4.8	4000	16.8	1762
WICKSTROM ET AL 1994	CA-INY-4547	88	DBTG	VIS	5.2	4000	16.8	2068
WICKSTROM ET AL 1994	CA-INY-4547	77	DBTG	VIS	5.8	4000	16.8	2573
WICKSTROM ET AL 1994	CA-INY-4547	75	DBTG	VIS	4.9	4000	16.8	1836
WICKSTROM ET AL 1994	CA-INY-4547	66	DBTG	XRF	2.6	4000	16.8	517
WICKSTROM ET AL 1994	CA-INY-4547	64	DBTG	XRF	7.6	4000	16.8	4418
WICKSTROM ET AL 1994	CA-INY-4547	111	DBTG	VIS	3.3	4000	16.8	833
WICKSTROM ET AL 1994	CA-INY-4547	91	DBTG	VIS	8.7	4000	16.8	5789
WICKSTROM ET AL 1994	CA-INY-4547	76	DBTG	VIS	4.8	4000	16.8	1762
WICKSTROM ET AL 1994	CA-INY-4547	89	DBTG	VIS	2.7	4000	16.8	558
WICKSTROM ET AL 1994	CA-INY-4547	114	DBTG	VIS	3.7	4000	16.8	1047
WICKSTROM ET AL 1994	CA-INY-4547	90	DBTG	VIS	3.1	4000	16.8	735
WICKSTROM ET AL 1994	CA-INY-4547	103	DBTG	VIS	4.1	4000	16.8	1286
WICKSTROM ET AL 1994	CA-INY-4547	100	DBTG	VIS	3.0	4000	16.8	688
WICKSTROM ET AL 1994	CA-INY-4547	99	DBTG	VIS	5.1	4000	16.8	1989
WICKSTROM ET AL 1994	CA-INY-4547	98	DBTG	VIS	4.9	4000	16.8	1836
WICKSTROM ET AL 1994	CA-INY-4547	97	DBTG	VIS	3.2	4000	16.8	783
WICKSTROM ET AL 1994	CA-INY-4547	95	DBTG	VIS	2.5	4000	16.8	478
WICKSTROM ET AL 1994	CA-INY-4547	105	DBTG	VIS	5.7	4000	16.8	2485
WICKSTROM ET AL 1994	CA-INY-4547	93	DBTG	VIS	4.9	4000	16.8	1836
WICKSTROM ET AL 1994	CA-INY-4547	91	DBTG	VIS	7.4	4000	16.8	4188
WICKSTROM ET AL 1994	CA-INY-4547	101	DBTG	VIS	3.8	4000	16.8	1104
WICKSTROM ET AL 1994	CA-INY-4547	225C	DBTG	VIS	5.4	4000	16.8	2230
WICKSTROM ET AL 1994	CA-INY-4547	96	DBTG	VIS	1.3	4000	16.8	129
WICKSTROM ET AL 1994	CA-INY-4547	115	DBTG	VIS	2.7	4000	16.8	558
WICKSTROM ET AL 1994	CA-INY-4547	104	DBTG	VIS	4.3	4000	16.8	1414
WICKSTROM ET AL 1994	CA-INY-4547	103	DBTG	VIS	4.6	4000	16.8	1618
WICKSTROM ET AL 1994	CA-INY-4547	94	DBTG	VIS	2.0	4000	16.8	306
WICKSTROM ET AL 1994	CA-INY-4547	116	DBTG	VIS	8.6	4000	16.8	5657
WICKSTROM ET AL 1994	CA-INY-4547	226	DBTG	VIS	6.9	4000	16.8	3641
WICKSTROM ET AL 1994	CA-INY-4547	104	DBTG	VIS	3.2	4000	16.8	783

Reference	Site	Id	Desc	Met	Rim	Elev	EHT	B.P.
WICKSTROM ET AL 1994	CA-INY-4547	92	DBTG	VIS	3.0	4000	16.8	688
WICKSTROM ET AL 1994	CA-INY-4547	225B	DBTG	VIS	4.7	4000	16.8	1690
WICKSTROM ET AL 1994	CA-INY-4549/H	65	DBTG	XRF	7.2	3900	17.0	3844
WICKSTROM ET AL 1994	CA-INY-4549/H	68	DBTG	XRF	8.0	3900	17.0	4745
WICKSTROM ET AL 1994	CA-INY-4549/H	66	DBTG	XRF	8.2	3900	17.0	4985
WICKSTROM ET AL 1994	CA-INY-4549/H	69	DBTG	XRF	5.8	3900	17.0	2494
WICKSTROM ET AL 1994	CA-INY-4549/H	70	DBTG	XRF	7.0	3900	17.0	3633
WICKSTROM ET AL 1994	CA-INY-4549/H	64	DBTG	XRF	7.5	3900	17.0	4171
WICKSTROM ET AL 1994	CA-INY-4549/H	12	DBTG	VIS	8.3	3900	17.0	5108
WICKSTROM ET AL 1994	CA-INY-4549/H	22	DBTG	VIS	5.7	3900	17.0	2409
WICKSTROM ET AL 1994	CA-INY-4549/H	67	DBTG	XRF	7.5	3900	17.0	4171
WICKSTROM ET AL 1994	CA-INY-4549/H	63	DBTG	XRF	6.9	3900	17.0	3530
WICKSTROM ET AL 1994	CA-INY-4549/H	23	DBTG	VIS	9.4	3900	17.0	6551
WICKSTROM ET AL 1994	CA-INY-4549/H	27	DBTG	VIS	6.0	3900	17.0	2669
WICKSTROM ET AL 1994	CA-INY-4549/H	9	DBTG	VIS	8.5	3900	17.0	5357
WICKSTROM ET AL 1994	CA-INY-4549/H	16	DBTG	VIS	8.3	3900	17.0	5108
WICKSTROM ET AL 1994	CA-INY-4549/H	68	DBTG	XRF	7.0	3900	17.0	3633
WICKSTROM ET AL 1994	CA-INY-4549/H	14	DBTG	VIS	7.9	3900	17.0	4627
WICKSTROM ET AL 1994	CA-INY-4549/H	46	DBTG	VIS	8.3	3900	17.0	5108
WICKSTROM ET AL 1994	CA-INY-4549/H	62	DBTG	XRF	7.6	3900	17.0	4282
WICKSTROM ET AL 1994	CA-INY-4549/H	2	DBTG	XRF	8.5	3900	17.0	5357
WICKSTROM ET AL 1994	CA-INY-4549/H	46	DBTG	VIS	6.8	3900	17.0	3428
WICKSTROM ET AL 1994	CA-INY-4550	628	DBTG	VIS	4.4	3820	17.3	1400
WICKSTROM ET AL 1994	CA-INY-4550	553	DBTG	VIS	5.3	3820	17.3	2031
WICKSTROM ET AL 1994	CA-INY-4550	OH258	DBTG	VIS	3.7	3820	17.3	990
WICKSTROM ET AL 1994	CA-INY-4550	632	DBTG	VIS	4.8	3820	17.3	1666
WICKSTROM ET AL 1994	CA-INY-4550	631	DBTG	VIS	5.3	3820	17.3	2031
WICKSTROM ET AL 1994	CA-INY-4550	626	DBTG	VIS	6.0	3820	17.3	2603
WICKSTROM ET AL 1994	CA-INY-4550	629	DBTG	VIS	5.1	3820	17.3	1880
WICKSTROM ET AL 1994	CA-INY-4550	508	DBTG	VIS	6.0	3820	17.3	2603
WICKSTROM ET AL 1994	CA-INY-4550	552	DBTG	VIS	5.7	3820	17.3	2349
WICKSTROM ET AL 1994	CA-INY-4550	601	DBTG	VIS	5.8	3820	17.3	2432
WICKSTROM ET AL 1994	CA-INY-4550	544	DBTG	VIS	5.6	3820	17.3	2267
WICKSTROM ET AL 1994	CA-INY-4550	630	DBTG	VIS	4.2	3820	17.3	1275
WICKSTROM ET AL 1994	CA-INY-4550	551	DBTG	VIS	5.4	3820	17.3	2108
WICKSTROM ET AL 1994	CA-INY-4550	550	DBTG	VIS	5.4	3820	17.3	2108
WICKSTROM ET AL 1994	CA-INY-4550	549	DBTG	VIS	5.6	3820	17.3	2267
WICKSTROM ET AL 1994	CA-INY-4550	548	DBTG	VIS	5.2	3820	17.3	1955
WICKSTROM ET AL 1994	CA-INY-4550	554	DBTG	VIS	8.8	3820	17.3	5599
WICKSTROM ET AL 1994	CA-INY-4550	625	DBTG	VIS	3.7	3820	17.3	990
WICKSTROM ET AL 1994	CA-INY-4550	OH266	DBTG	VIS	4.9	3820	17.3	1736
WICKSTROM ET AL 1994	CA-INY-4550	500	DBTG	VIS	5.8	3820	17.3	2432
WICKSTROM ET AL 1994	CA-INY-4550	624	DBTG	VIS	4.7	3820	17.3	1597
WICKSTROM ET AL 1994	CA-INY-4550	OH265	DBTG	VIS	4.2	3820	17.3	1275
WICKSTROM ET AL 1994	CA-INY-4550	OH263	DBTG	VIS	4.5	3820	17.3	1464
WICKSTROM ET AL 1994	CA-INY-4550	OH259	DBTG	VIS	3.9	3820	17.3	1100
WICKSTROM ET AL 1994	CA-INY-4550	547	DBTG	VIS	5.4	3820	17.3	2108
WICKSTROM ET AL 1994	CA-INY-4550	555	DBTG	VIS	5.4	3820	17.3	2108
WICKSTROM ET AL 1994	CA-INY-4550	527	DBTG	VIS	5.3	3820	17.3	2031
WICKSTROM ET AL 1994	CA-INY-4550	496	DBTG	VIS	5.0	3820	17.3	1807
WICKSTROM ET AL 1994	CA-INY-4550	712	DBTG	VIS	5.2	3820	17.3	1955
WICKSTROM ET AL 1994	CA-INY-4550	728	DBTG	VIS	5.7	3820	17.3	2349
WICKSTROM ET AL 1994	CA-INY-4550	727	DBTG	VIS	5.0	3820	17.3	1807
WICKSTROM ET AL 1994	CA-INY-4550	726	DBTG	VIS	5.5	3820	17.3	2187
WICKSTROM ET AL 1994	CA-INY-4550	725	DBTG	VIS	5.6	3820	17.3	2267
WICKSTROM ET AL 1994	CA-INY-4550	724	DBTG	VIS	6.1	3820	17.3	2690
WICKSTROM ET AL 1994	CA-INY-4550	905	DBTG	VIS	5.3	3820	17.3	2031
WICKSTROM ET AL 1994	CA-INY-4550	495	DBTG	VIS	6.4	3820	17.3	2961
WICKSTROM ET AL 1994	CA-INY-4550	504	DBTG	VIS	6.1	3820	17.3	2690
WICKSTROM ET AL 1994	CA-INY-4550	716	DBTG	VIS	4.5	3820	17.3	1464
WICKSTROM ET AL 1994	CA-INY-4550	535	DBTG	VIS	3.4	3820	17.3	836
WICKSTROM ET AL 1994	CA-INY-4550	545	DBTG	VIS	5.3	3820	17.3	2031
WICKSTROM ET AL 1994	CA-INY-4550	571	DBTG	VIS	4.2	3820	17.3	1275
WICKSTROM ET AL 1994	CA-INY-4550	572	DBTG	VIS	4.9	3820	17.3	1736
WICKSTROM ET AL 1994	CA-INY-4550	573	DBTG	VIS	5.2	3820	17.3	1955
WICKSTROM ET AL 1994	CA-INY-4550	574	DBTG	VIS	5.0	3820	17.3	1807
WICKSTROM ET AL 1994	CA-INY-4550	523	DBTG	VIS	5.4	3820	17.3	2108
WICKSTROM ET AL 1994	CA-INY-4550	524	DBTG	VIS	6.9	3820	17.3	3442
WICKSTROM ET AL 1994	CA-INY-4550	525	DBTG	VIS	3.0	3820	17.3	651
WICKSTROM ET AL 1994	CA-INY-4550	715	DBTG	VIS	5.3	3820	17.3	2031
WICKSTROM ET AL 1994	CA-INY-4550	679	DBTG	VIS	5.6	3820	17.3	2267

Reference	Site	Id	Desc	Met	Rim	Elev	EHT	B.P.
WICKSTROM ET AL 1994	CA-INY-4550	698	DBTG	VIS	3.1	3820	17.3	695
WICKSTROM ET AL 1994	CA-INY-4550	505	DBTG	VIS	5.5	3820	17.3	2187
WICKSTROM ET AL 1994	CA-INY-4550	482	DBTG	VIS	5.2	3820	17.3	1955
WICKSTROM ET AL 1994	CA-INY-4550	497	DBTG	VIS	5.2	3820	17.3	1955
WICKSTROM ET AL 1994	CA-INY-4550	480	DBTG	VIS	5.2	3820	17.3	1955
WICKSTROM ET AL 1994	CA-INY-4550	479	DBTG	VIS	6.3	3820	17.3	2869
WICKSTROM ET AL 1994	CA-INY-4550	478	DBTG	VIS	2.5	3820	17.3	452
WICKSTROM ET AL 1994	CA-INY-4550	476	DBTG	VIS	4.6	3820	17.3	1530
WICKSTROM ET AL 1994	CA-INY-4550	474	DBTG	VIS	4.9	3820	17.3	1736
WICKSTROM ET AL 1994	CA-INY-4550	473	DBTG	VIS	4.7	3820	17.3	1597
WICKSTROM ET AL 1994	CA-INY-4550	714	DBTG	VIS	5.4	3820	17.3	2108
WICKSTROM ET AL 1994	CA-INY-4550	471	DBTG	VIS	2.0	3820	17.3	289
WICKSTROM ET AL 1994	CA-INY-4550	528	DBTG	VIS	4.9	3820	17.3	1736
WICKSTROM ET AL 1994	CA-INY-4550	483	DBTG	VIS	6.6	3820	17.3	3149
WICKSTROM ET AL 1994	CA-INY-4550	713	DBTG	VIS	5.1	3820	17.3	1880
WICKSTROM ET AL 1994	CA-INY-4550	OH261	DBTG	VIS	3.5	3820	17.3	886
WICKSTROM ET AL 1994	CA-INY-4550	502	DBTG	VIS	4.5	3820	17.3	1464
WICKSTROM ET AL 1994	CA-INY-4550	501	DBTG	VIS	6.0	3820	17.3	2603
WICKSTROM ET AL 1994	CA-INY-4550	721	DBTG	VIS	2.6	3820	17.3	489
WICKSTROM ET AL 1994	CA-INY-4550	720	DBTG	VIS	5.7	3820	17.3	2349
WICKSTROM ET AL 1994	CA-INY-4550	719	DBTG	VIS	5.7	3820	17.3	2349
WICKSTROM ET AL 1994	CA-INY-4550	718	DBTG	VIS	5.7	3820	17.3	2349
WICKSTROM ET AL 1994	CA-INY-4550	717	DBTG	VIS	5.3	3820	17.3	2031
WICKSTROM ET AL 1994	CA-INY-4550	472	DBTG	VIS	5.4	3820	17.3	2108
WICKSTROM ET AL 1994	CA-INY-4550	566	DBTG	VIS	5.1	3820	17.3	1880
WICKSTROM ET AL 1994	CA-INY-4550	526	DBTG	VIS	6.0	3820	17.3	2603
WICKSTROM ET AL 1994	CA-INY-4550	546	DBTG	VIS	6.4	3820	17.3	2961
WICKSTROM ET AL 1994	CA-INY-4550	520	DBTG	VIS	9.6	3820	17.3	6663
WICKSTROM ET AL 1994	CA-INY-4550	558	DBTG	VIS	4.9	3820	17.3	1736
WICKSTROM ET AL 1994	CA-INY-4550	559	DBTG	VIS	6.3	3820	17.3	2869
WICKSTROM ET AL 1994	CA-INY-4550	560	DBTG	VIS	4.8	3820	17.3	1666
WICKSTROM ET AL 1994	CA-INY-4550	560	DBTG	VIS	8.3	3820	17.3	4980
WICKSTROM ET AL 1994	CA-INY-4550	561	DBTG	VIS	4.9	3820	17.3	1736
WICKSTROM ET AL 1994	CA-INY-4550	563	DBTG	VIS	5.7	3820	17.3	2349
WICKSTROM ET AL 1994	CA-INY-4550	569	DBTG	VIS	5.7	3820	17.3	2349
WICKSTROM ET AL 1994	CA-INY-4550	565	DBTG	VIS	5.8	3820	17.3	2432
WICKSTROM ET AL 1994	CA-INY-4550	516	DBTG	VIS	6.2	3820	17.3	2779
WICKSTROM ET AL 1994	CA-INY-4550	517	DBTG	VIS	6.5	3820	17.3	3054
WICKSTROM ET AL 1994	CA-INY-4550	627	DBTG	VIS	4.5	3820	17.3	1464
WICKSTROM ET AL 1994	CA-INY-4550	609	DBTG	VIS	4.7	3820	17.3	1597
WICKSTROM ET AL 1994	CA-INY-4550	610	DBTG	VIS	5.0	3820	17.3	1807
WICKSTROM ET AL 1994	CA-INY-4550	611	DBTG	VIS	6.0	3820	17.3	2603
WICKSTROM ET AL 1994	CA-INY-4550	612	DBTG	VIS	3.5	3820	17.3	886
WICKSTROM ET AL 1994	CA-INY-4550	613	DBTG	VIS	3.1	3820	17.3	695
WICKSTROM ET AL 1994	CA-INY-4550	620	DBTG	VIS	5.1	3820	17.3	1880
WICKSTROM ET AL 1994	CA-INY-4550	621	DBTG	VIS	4.5	3820	17.3	1464
WICKSTROM ET AL 1994	CA-INY-4550	622	DBTG	VIS	4.8	3820	17.3	1666
WICKSTROM ET AL 1994	CA-INY-4550	564	DBTG	VIS	5.7	3820	17.3	2349
WICKSTROM ET AL 1994	CA-INY-4550	543	DBTG	VIS	5.4	3820	17.3	2108
WICKSTROM ET AL 1994	CA-INY-4550	568	DBTG	VIS	5.4	3820	17.3	2108
WICKSTROM ET AL 1994	CA-INY-4550	530	DBTG	VIS	4.8	3820	17.3	1666
WICKSTROM ET AL 1994	CA-INY-4550	567	DBTG	VIS	4.9	3820	17.3	1736
WICKSTROM ET AL 1994	CA-INY-4550	536	DBTG	VIS	4.8	3820	17.3	1666
WICKSTROM ET AL 1994	CA-INY-4550	532	DBTG	VIS	5.5	3820	17.3	2187
WICKSTROM ET AL 1994	CA-INY-4550	537	DBTG	VIS	4.8	3820	17.3	1666
WICKSTROM ET AL 1994	CA-INY-4550	538	DBTG	VIS	5.3	3820	17.3	2031
WICKSTROM ET AL 1994	CA-INY-4550	539	DBTG	VIS	6.9	3820	17.3	3442
WICKSTROM ET AL 1994	CA-INY-4550	540	DBTG	VIS	5.5	3820	17.3	2187
WICKSTROM ET AL 1994	CA-INY-4550	518	DBTG	VIS	6.3	3820	17.3	2869
WICKSTROM ET AL 1994	CA-INY-4550	542	DBTG	VIS	5.7	3820	17.3	2349
WICKSTROM ET AL 1994	CA-INY-4550	623	DBTG	VIS	4.7	3820	17.3	1597
WICKSTROM ET AL 1994	CA-INY-4550	OH264	DBTG	VIS	3.5	3820	17.3	886
WICKSTROM ET AL 1994	CA-INY-4550	529	DBTG	VIS	4.2	3820	17.3	1275
WICKSTROM ET AL 1994	CA-INY-4550	519	DBTG	VIS	1.8	3820	17.3	234
WICKSTROM ET AL 1994	CA-INY-4550	697	DBTG	VIS	4.5	3820	17.3	1464
WICKSTROM ET AL 1994	CA-INY-4550	509	DBTG	VIS	6.1	3820	17.3	2690
WICKSTROM ET AL 1994	CA-INY-4550	510	DBTG	VIS	5.3	3820	17.3	2031
WICKSTROM ET AL 1994	CA-INY-4550	511	DBTG	VIS	5.0	3820	17.3	1807
WICKSTROM ET AL 1994	CA-INY-4550	512	DBTG	VIS	5.4	3820	17.3	2108
WICKSTROM ET AL 1994	CA-INY-4550	513	DBTG	VIS	5.8	3820	17.3	2432
WICKSTROM ET AL 1994	CA-INY-4550	515	DBTG	VIS	5.4	3820	17.3	2108

Reference	Site	Id	Desc	Met	Rim	Elev	EHT	B.P.
WICKSTROM ET AL 1994	CA-INY-4550	541	DBTG	VIS	5.2	3820	17.3	1955
WICKSTROM ET AL 1994	CA-INY-4550	OH287	DBTG	VIS	5.3	3820	17.3	2031
WICKSTROM ET AL 1994	CA-INY-4550	OH271	DBTG	VIS	4.4	3820	17.3	1400
WICKSTROM ET AL 1994	CA-INY-4550	OH272	DBTG	VIS	3.8	3820	17.3	1044
WICKSTROM ET AL 1994	CA-INY-4550	OH273	DBTG	VIS	3.7	3820	17.3	990
WICKSTROM ET AL 1994	CA-INY-4550	OH274	DBTG	VIS	3.9	3820	17.3	1100
WICKSTROM ET AL 1994	CA-INY-4550	OH275	DBTG	VIS	3.7	3820	17.3	990
WICKSTROM ET AL 1994	CA-INY-4550	OH278	DBTG	VIS	5.9	3820	17.3	2517
WICKSTROM ET AL 1994	CA-INY-4550	OH290	DBTG	VIS	4.2	3820	17.3	1275
WICKSTROM ET AL 1994	CA-INY-4550	OH280	DBTG	VIS	4.4	3820	17.3	1400
WICKSTROM ET AL 1994	CA-INY-4550	OH289	DBTG	VIS	3.9	3820	17.3	1100
WICKSTROM ET AL 1994	CA-INY-4550	OH282	DBTG	VIS	4.4	3820	17.3	1400
WICKSTROM ET AL 1994	CA-INY-4550	OH283	DBTG	VIS	1.9	3820	17.3	261
WICKSTROM ET AL 1994	CA-INY-4550	OH284	DBTG	VIS	3.9	3820	17.3	1100
WICKSTROM ET AL 1994	CA-INY-4550	638	DBTG	VIS	2.7	3820	17.3	527
WICKSTROM ET AL 1994	CA-INY-4550	OH286	DBTG	VIS	5.4	3820	17.3	2108
WICKSTROM ET AL 1994	CA-INY-4550	580	DBTG	VIS	3.3	3820	17.3	787
WICKSTROM ET AL 1994	CA-INY-4550	592	DBTG	VIS	5.0	3820	17.3	1807
WICKSTROM ET AL 1994	CA-INY-4550	OH279	DBTG	VIS	5.7	3820	17.3	2349
WICKSTROM ET AL 1994	CA-INY-4550	590	DBTG	VIS	4.4	3820	17.3	1400
WICKSTROM ET AL 1994	CA-INY-4550	886	DBTG	VIS	5.0	3820	17.3	1807
WICKSTROM ET AL 1994	CA-INY-4550	591	DBTG	VIS	4.4	3820	17.3	1400
WICKSTROM ET AL 1994	CA-INY-4550	649	DBTG	VIS	5.3	3820	17.3	2031
WICKSTROM ET AL 1994	CA-INY-4550	641	DBTG	VIS	6.1	3820	17.3	2690
WICKSTROM ET AL 1994	CA-INY-4550	643	DBTG	VIS	2.6	3820	17.3	489
WICKSTROM ET AL 1994	CA-INY-4550	644	DBTG	VIS	5.1	3820	17.3	1880
WICKSTROM ET AL 1994	CA-INY-4550	645	DBTG	VIS	5.0	3820	17.3	1807
WICKSTROM ET AL 1994	CA-INY-4550	OH268	DBTG	VIS	4.4	3820	17.3	1400
WICKSTROM ET AL 1994	CA-INY-4550	696	DBTG	VIS	6.6	3820	17.3	3149
WICKSTROM ET AL 1994	CA-INY-4550	673	DBTG	VIS	5.8	3820	17.3	2432
WICKSTROM ET AL 1994	CA-INY-4550	OH285	DBTG	VIS	2.5	3820	17.3	452
WICKSTROM ET AL 1994	CA-INY-4550	685	DBTG	VIS	5.1	3820	17.3	1880
WICKSTROM ET AL 1994	CA-INY-4550	484	DBTG	VIS	7.5	3820	17.3	4067
WICKSTROM ET AL 1994	CA-INY-4550	481	DBTG	VIS	5.9	3820	17.3	2517
WICKSTROM ET AL 1994	CA-INY-4550	503	DBTG	VIS	5.6	3820	17.3	2267
WICKSTROM ET AL 1994	CA-INY-4550	494	DBTG	VIS	5.1	3820	17.3	1880
WICKSTROM ET AL 1994	CA-INY-4550	493	DBTG	VIS	5.2	3820	17.3	1955
WICKSTROM ET AL 1994	CA-INY-4550	492	DBTG	VIS	5.2	3820	17.3	1955
WICKSTROM ET AL 1994	CA-INY-4550	491	DBTG	VIS	5.2	3820	17.3	1955
WICKSTROM ET AL 1994	CA-INY-4550	490	DBTG	VIS	6.1	3820	17.3	2690
WICKSTROM ET AL 1994	CA-INY-4550	489	DBTG	VIS	4.6	3820	17.3	1530
WICKSTROM ET AL 1994	CA-INY-4550	488	DBTG	VIS	6.1	3820	17.3	2690
WICKSTROM ET AL 1994	CA-INY-4550	487	DBTG	VIS	2.1	3820	17.3	319
WICKSTROM ET AL 1994	CA-INY-4550	OH269	DBTG	VIS	5.1	3820	17.3	1880
WICKSTROM ET AL 1994	CA-INY-4550	582	DBTG	VIS	5.0	3820	17.3	1807
WICKSTROM ET AL 1994	CA-INY-4550	OH270	DBTG	VIS	4.7	3820	17.3	1597
WICKSTROM ET AL 1994	CA-INY-4550	583	DBTG	VIS	3.6	3820	17.3	937
WICKSTROM ET AL 1994	CA-INY-4550	650	DBTG	VIS	6.1	3820	17.3	2690
WICKSTROM ET AL 1994	CA-INY-4550	589	DBTG	VIS	3.9	3820	17.3	1100
WICKSTROM ET AL 1994	CA-INY-4550	588	DBTG	VIS	3.9	3820	17.3	1100
WICKSTROM ET AL 1994	CA-INY-4550	587	DBTG	VIS	5.3	3820	17.3	2031
WICKSTROM ET AL 1994	CA-INY-4550	586	DBTG	VIS	3.9	3820	17.3	1100
WICKSTROM ET AL 1994	CA-INY-4550	OH291	DBTG	VIS	4.0	3820	17.3	1157
WICKSTROM ET AL 1994	CA-INY-4550	584	DBTG	VIS	3.9	3820	17.3	1100
WICKSTROM ET AL 1994	CA-INY-4550	687	DBTG	VIS	3.4	3820	17.3	836
WICKSTROM ET AL 1994	CA-INY-4550	OH288	DBTG	VIS	5.3	3820	17.3	2031
WICKSTROM ET AL 1994	CA-INY-4550	581	DBTG	VIS	5.2	3820	17.3	1955
WICKSTROM ET AL 1994	CA-INY-4550	579	DBTG	VIS	3.7	3820	17.3	990
WICKSTROM ET AL 1994	CA-INY-4550	578	DBTG	VIS	4.0	3820	17.3	1157
WICKSTROM ET AL 1994	CA-INY-4550	577	DBTG	VIS	4.4	3820	17.3	1400
WICKSTROM ET AL 1994	CA-INY-4550	OH281	DBTG	VIS	3.9	3820	17.3	1100
WICKSTROM ET AL 1994	CA-INY-4550	585	DBTG	VIS	3.9	3820	17.3	1100
WICKSTROM ET AL 1994	CA-INY-4550	599	DBTG	VIS	3.5	3820	17.3	886
WICKSTROM ET AL 1994	CA-INY-4550	658	DBTG	VIS	5.1	3820	17.3	1880
WICKSTROM ET AL 1994	CA-INY-4550	659	DBTG	VIS	5.0	3820	17.3	1807
WICKSTROM ET AL 1994	CA-INY-4550	660	DBTG	VIS	5.4	3820	17.3	2108
WICKSTROM ET AL 1994	CA-INY-4550	661	DBTG	VIS	5.5	3820	17.3	2187
WICKSTROM ET AL 1994	CA-INY-4550	674	DBTG	VIS	4.9	3820	17.3	1736
WICKSTROM ET AL 1994	CA-INY-4550	663	DBTG	VIS	4.8	3820	17.3	1666
WICKSTROM ET AL 1994	CA-INY-4550	665	DBTG	VIS	4.4	3820	17.3	1400
WICKSTROM ET AL 1994	CA-INY-4550	667	DBTG	VIS	6.5	3820	17.3	3054

Reference	Site	Id	Desc	Met	Rim	Elev	EHT	B.P.
WICKSTROM ET AL 1994	CA-INY-4550	668	DBTG	VIS	5.2	3820	17.3	1955
WICKSTROM ET AL 1994	CA-INY-4550	668	DBTG	VIS	5.8	3820	17.3	2432
WICKSTROM ET AL 1994	CA-INY-4550	669	DBTG	VIS	2.0	3820	17.3	289
WICKSTROM ET AL 1994	CA-INY-4550	671	DBTG	VIS	5.8	3820	17.3	2432
WICKSTROM ET AL 1994	CA-INY-4550	648	DBTG	VIS	5.3	3820	17.3	2031
WICKSTROM ET AL 1994	CA-INY-4550	646	DBTG	VIS	5.4	3820	17.3	2108
WICKSTROM ET AL 1994	CA-INY-4550	709	DBTG	VIS	7.4	3820	17.3	3959
WICKSTROM ET AL 1994	CA-INY-4550	OH267	DBTG	VIS	4.8	3820	17.3	1666
WICKSTROM ET AL 1994	CA-INY-4550	609	DBTG	VIS	3.6	3820	17.3	937
WICKSTROM ET AL 1994	CA-INY-4550	598	DBTG	VIS	4.8	3820	17.3	1666
WICKSTROM ET AL 1994	CA-INY-4550	608	DBTG	VIS	5.7	3820	17.3	2349
WICKSTROM ET AL 1994	CA-INY-4550	607	DBTG	VIS	4.3	3820	17.3	1337
WICKSTROM ET AL 1994	CA-INY-4550	607	DBTG	VIS	2.0	3820	17.3	289
WICKSTROM ET AL 1994	CA-INY-4550	605	DBTG	VIS	2.6	3820	17.3	489
WICKSTROM ET AL 1994	CA-INY-4550	604	DBTG	VIS	2.6	3820	17.3	489
WICKSTROM ET AL 1994	CA-INY-4550	603	DBTG	VIS	5.4	3820	17.3	2108
WICKSTROM ET AL 1994	CA-INY-4550	602	DBTG	VIS	4.8	3820	17.3	1666
WICKSTROM ET AL 1994	CA-INY-4550	507	DBTG	VIS	5.4	3820	17.3	2108
WICKSTROM ET AL 1994	CA-INY-4550	600	DBTG	VIS	6.0	3820	17.3	2603
WICKSTROM ET AL 1994	CA-INY-4550	506	DBTG	VIS	5.1	3820	17.3	1880
WICKSTROM ET AL 1994	CA-INY-4550	662	DBTG	VIS	5.3	3820	17.3	2031
WICKSTROM ET AL 1994	CA-INY-4550	676	DBTG	VIS	4.6	3820	17.3	1530
WICKSTROM ET AL 1994	CA-INY-4550	651	DBTG	VIS	5.6	3820	17.3	2267
WICKSTROM ET AL 1994	CA-INY-4550	652	DBTG	VIS	6.6	3820	17.3	3149
WICKSTROM ET AL 1994	CA-INY-4550	652	DBTG	VIS	2.1	3820	17.3	319
WICKSTROM ET AL 1994	CA-INY-4550	653	DBTG	VIS	5.1	3820	17.3	1880
WICKSTROM ET AL 1994	CA-INY-4550	654	DBTG	VIS	5.2	3820	17.3	1955
WICKSTROM ET AL 1994	CA-INY-4550	647	DBTG	VIS	5.2	3820	17.3	1955
WICKSTROM ET AL 1994	CA-INY-4550	640	DBTG	VIS	4.6	3820	17.3	1530
WICKSTROM ET AL 1994	CA-INY-4550	639	DBTG	VIS	3.6	3820	17.3	937
WICKSTROM ET AL 1994	CA-INY-4550	635	DBTG	VIS	5.6	3820	17.3	2267
WICKSTROM ET AL 1994	CA-INY-4550	636	DBTG	VIS	5.3	3820	17.3	2031
WICKSTROM ET AL 1994	CA-INY-4550	637	DBTG	VIS	5.5	3820	17.3	2187
WICKSTROM ET AL 1994	CA-INY-4550	656	DBTG	VIS	6.7	3820	17.3	3245
WICKSTROM ET AL 1994	CA-INY-4550	704	DBTG	VIS	6.0	3820	17.3	2603
WICKSTROM ET AL 1994	CA-INY-4550	657	DBTG	VIS	5.7	3820	17.3	2349
WICKSTROM ET AL 1994	CA-INY-4550	705	DBTG	VIS	5.8	3820	17.3	2432
WICKSTROM ET AL 1994	CA-INY-4550	596	DBTG	VIS	5.2	3820	17.3	1955
WICKSTROM ET AL 1994	CA-INY-4550	695	DBTG	VIS	4.8	3820	17.3	1666
WICKSTROM ET AL 1994	CA-INY-4550	703	DBTG	VIS	5.0	3820	17.3	1807
WICKSTROM ET AL 1994	CA-INY-4550	701	DBTG	VIS	5.6	3820	17.3	2267
WICKSTROM ET AL 1994	CA-INY-4550	700	DBTG	VIS	6.1	3820	17.3	2690
WICKSTROM ET AL 1994	CA-INY-4550	655	DBTG	VIS	5.8	3820	17.3	2432
WICKSTROM ET AL 1994	CA-INY-4550	706	DBTG	VIS	5.6	3820	17.3	2267
WICKSTROM ET AL 1994	CA-INY-4550	675	DBTG	VIS	4.7	3820	17.3	1597
WICKSTROM ET AL 1994	CA-INY-4550	672	DBTG	VIS	5.3	3820	17.3	2031
WICKSTROM ET AL 1994	CA-INY-4550	711	DBTG	VIS	5.6	3820	17.3	2267
WICKSTROM ET AL 1994	CA-INY-4550	708	DBTG	VIS	2.3	3820	17.3	382
WICKSTROM ET AL 1994	CA-INY-4550	678	DBTG	VIS	5.8	3820	17.3	2432
WICKSTROM ET AL 1994	CA-INY-4550	677	DBTG	VIS	7.3	3820	17.3	3853
WICKSTROM ET AL 1994	CA-INY-4550	664	DBTG	VIS	7.1	3820	17.3	3644
WICKSTROM ET AL 1994	CA-INY-4550	699	DBTG	VIS	4.8	3820	17.3	1666

Note: Id=identifier (acc. no. or OH lab no.), Desc=Description, Met=Sourcing method, Rim=Hydration rim measurement, Elev=Elevation, EHT=Calculated Effective Hydration Temperature, B.P.=Calculated Years B.P., DBTG=Debitage, VIS=Visual Sourcing, XRF=X-ray Flourescence

Fish Springs Debitage from Owens Valley: Greater than 10 km from Source

Reference	Site	Id	Desc	Met	Rim	Elev	EHT	B.P.
BASGALL AND MCGUIRE 1988	CA-INY-30	5105	DBTG	XRF	4.1	3781	17.4	1200
BASGALL AND MCGUIRE 1988	CA-INY-30	5278	DBTG	XRF	9.7	3781	17.4	6718
BASGALL AND MCGUIRE 1988	CA-INY-30	5278	DBTG	XRF	3.4	3781	17.4	825
BASGALL AND MCGUIRE 1988	CA-INY-30	5271	DBTG	XRF	2.7	3781	17.4	521
BASGALL AND MCGUIRE 1988	CA-INY-30	5163	DBTG	XRF	9.3	3781	17.4	6176
BASGALL AND MCGUIRE 1988	CA-INY-30	5156	DBTG	XRF	5.4	3781	17.4	2082
BASGALL AND MCGUIRE 1988	CA-INY-30	5146	DBTG	XRF	3.3	3781	17.4	778
BASGALL AND MCGUIRE 1988	CA-INY-30	5116	DBTG	XRF	9.1	3781	17.4	5913
BASGALL AND RICHMAN 1998	CA-INY-5276	227-1-205c	DBTG	VIS	4.1	3839	17.2	1252
BASGALL AND RICHMAN 1998	CA-INY-5276	227-1-205d	DBTG	VIS	4.3	3839	17.2	1320
BASGALL AND RICHMAN 1998	CA-INY-5276	227-1-205a	DBTG	VIS	3.9	3839	17.2	1120
BASGALL AND RICHMAN 1998	CA-INY-5276	227-1-205b	DBTG	VIS	4.2	3839	17.2	1265
BASGALL AND RICHMAN 1998	CA-INY-5277	227-1-206g	DBTG	VIS	4.5	3865	17.2	1460
BASGALL AND RICHMAN 1998	CA-INY-5277	227-1-206c	DBTG	VIS	5.3	3865	17.2	2089
BASGALL AND RICHMAN 1998	CA-INY-5277	227-1-206e	DBTG	VIS	4.9	3865	17.2	1785
BASGALL AND RICHMAN 1998	CA-INY-5277	227-1-206d	DBTG	VIS	4.9	3865	17.2	1753
BASGALL AND RICHMAN 1998	CA-INY-5277	227-1-206f	DBTG	VIS	5.6	3865	17.2	2305
BASGALL AND RICHMAN 1998	CA-INY-5277	227-1-206j	DBTG	VIS	5.2	3865	17.2	1951
BASGALL AND RICHMAN 1998	CA-INY-5277	227-1-206i	DBTG	VIS	5.3	3865	17.2	2054
BASGALL AND RICHMAN 1998	CA-INY-5277	227-1-206h	DBTG	VIS	5.2	3865	17.2	1968
BASGALL AND RICHMAN 1998	CA-INY-5278	227-1-207a	DBTG	VIS	5.8	3848	17.2	2461
BASGALL AND RICHMAN 1998	CA-INY-5278	227-1-207c	DBTG	VIS	3.5	3848	17.2	893
BASGALL AND RICHMAN 1998	CA-INY-5278	227-1-207b	DBTG	VIS	3.8	3848	17.2	1060
BASGALL AND RICHMAN 1998	CA-INY-5280	227-1-209c	DBTG	VIS	4.9	3858	17.2	1749
BASGALL AND RICHMAN 1998	CA-INY-5280	227-1-209f	DBTG	VIS	4.5	3858	17.2	1501
BASGALL AND RICHMAN 1998	CA-INY-5280	227-1-209e	DBTG	VIS	4.8	3858	17.2	1685
BASGALL AND RICHMAN 1998	CA-INY-5280	227-1-209b	DBTG	VIS	5.0	3858	17.2	1813
BASGALL AND RICHMAN 1998	CA-INY-5280	227-1-209d	DBTG	VIS	4.8	3858	17.2	1669
BASGALL AND RICHMAN 1998	CA-INY-5281	227-1-210d	DBTG	VIS	4.8	3855	17.2	1715
BASGALL AND RICHMAN 1998	CA-INY-5281	227-1-210f	DBTG	VIS	3.8	3855	17.2	1050
BASGALL AND RICHMAN 1998	CA-INY-5281	227-1-210a	DBTG	VIS	2.7	3855	17.2	521
BASGALL AND RICHMAN 1998	CA-INY-5281	227-1-210e	DBTG	VIS	3.7	3855	17.2	1001
BASGALL AND RICHMAN 1998	CA-INY-5281	227-1-210b	DBTG	VIS	2.8	3855	17.2	565
BASGALL AND RICHMAN 1998	CA-INY-5281	227-1-210c	DBTG	VIS	4.2	3855	17.2	1285
BASGALL AND RICHMAN 1998	CA-INY-5282	227-1-212g	DBTG	VIS	2.4	3858	17.2	437
BASGALL AND RICHMAN 1998	CA-INY-5282	227-1-212e	DBTG	VIS	2.5	3858	17.2	445
BASGALL AND RICHMAN 1998	CA-INY-5282	227-1-212f	DBTG	VIS	2.0	3858	17.2	291
BASGALL AND RICHMAN 1998	CA-INY-5282	227-1-212i	DBTG	VIS	4.6	3858	17.2	1546
BASGALL AND RICHMAN 1998	CA-INY-5282	227-1-212j	DBTG	VIS	4.4	3858	17.2	1385
BASGALL AND RICHMAN 1998	CA-INY-5282	227-1-212b	DBTG	VIS	2.9	3858	17.2	603
BASGALL AND RICHMAN 1998	CA-INY-5282	227-1-212h	DBTG	VIS	4.5	3858	17.2	1472
BASGALL AND RICHMAN 1998	CA-INY-5282	227-1-212a	DBTG	VIS	2.9	3858	17.2	631
BASGALL AND RICHMAN 1998	CA-INY-5282	227-1-212c	DBTG	VIS	4.7	3858	17.2	1592
BASGALL AND RICHMAN 1998	CA-INY-5285/H	227-1-194c	DBTG	VIS	1.9	3858	17.2	253
BASGALL AND RICHMAN 1998	CA-INY-5285/H	227-1-194a	DBTG	VIS	2.0	3858	17.2	305
BASGALL AND RICHMAN 1998	CA-INY-5285/H	227-1-194e	DBTG	VIS	1.5	3858	17.2	174
BASGALL AND RICHMAN 1998	CA-INY-5285/H	227-1-194b	DBTG	VIS	2.8	3858	17.2	593
BASGALL AND RICHMAN 1998	CA-INY-5294	227-1-66I	DBTG	XRF	8.4	3661	17.8	4847
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-170	DBTG	VIS	4.2	4111	16.4	1396
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-165A	DBTG	VIS	4.5	4111	16.4	1602
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-168	DBTG	VIS	3.7	4111	16.4	1083
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-165B	DBTG	VIS	5.2	4111	16.4	2140
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-178A	DBTG	VIS	4.9	4111	16.4	1900
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-165B	DBTG	VIS	3.8	4111	16.4	1143
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-161	DBTG	VIS	4.3	4111	16.4	1463
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-159	DBTG	VIS	4.3	4111	16.4	1463
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-270A	DBTG	VIS	2.2	4111	16.4	383
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-252B	DBTG	VIS	4.0	4111	16.4	1266
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-186B	DBTG	VIS	3.8	4111	16.4	1143
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-256B	DBTG	VIS	5.6	4111	16.4	2481
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-200A	DBTG	VIS	4.3	4111	16.4	1463
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-291-1	DBTG	VIS	3.5	4111	16.4	969
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-258B	DBTG	VIS	5.0	4111	16.4	1978
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-327-1	DBTG	VIS	5.4	4111	16.4	2307
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-305A	DBTG	VIS	2.2	4111	16.4	383

Reference	Site	Id	Desc	Met	Rim	Elev	EHT	B.P.
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-252A	DBTG	VIS	6.1	4111	16.4	2944
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-385-1	DBTG	VIS	5.5	4111	16.4	2394
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-357-3	DBTG	VIS	3.5	4111	16.4	969
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-357-1	DBTG	VIS	5.5	4111	16.4	2394
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-357-1	DBTG	VIS	5.0	4111	16.4	1978
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-284-3	DBTG	VIS	4.6	4111	16.4	1674
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-327-1	DBTG	VIS	4.0	4111	16.4	1266
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-256A	DBTG	VIS	4.1	4111	16.4	1330
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-318-2	DBTG	VIS	3.4	4111	16.4	915
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-318-1	DBTG	VIS	2.5	4111	16.4	495
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-305-1	DBTG	VIS	4.5	4111	16.4	1602
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-291-2	DBTG	VIS	3.7	4111	16.4	1083
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-365-1	DBTG	VIS	4.8	4111	16.4	1823
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-284-2	DBTG	VIS	3.7	4111	16.4	1083
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-345-1	DBTG	VIS	3.2	4111	16.4	810
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-296	DBTG	XRF	4.5	4111	16.4	1602
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-385A	DBTG	VIS	2.6	4111	16.4	535
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-365A	DBTG	VIS	5.8	4111	16.4	2662
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-186A	DBTG	VIS	4.4	4111	16.4	1532
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-357A	DBTG	VIS	4.5	4111	16.4	1602
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-345A	DBTG	VIS	3.3	4111	16.4	862
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-318A	DBTG	VIS	5.0	4111	16.4	1978
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-356-2	DBTG	VIS	3.3	4111	16.4	862
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-375	DBTG	VIS	3.4	4111	16.4	915
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-294B	DBTG	VIS	4.8	4111	16.4	1823
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-284A	DBTG	VIS	4.7	4111	16.4	1748
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-213B	DBTG	VIS	3.5	4111	16.4	969
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-213A	DBTG	VIS	3.6	4111	16.4	1026
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-200B	DBTG	VIS	4.4	4111	16.4	1532
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-357A	DBTG	VIS	5.5	4111	16.4	2394
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-312A	DBTG	VIS	3.0	4111	16.4	712
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-345B	DBTG	VIS	3.3	4111	16.4	862
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-234A	DBTG	VIS	3.4	4111	16.4	915
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-231B	DBTG	VIS	3.6	4111	16.4	1026
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-231A	DBTG	VIS	4.4	4111	16.4	1532
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-155B	DBTG	VIS	4.1	4111	16.4	1330
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-155A	DBTG	VIS	2.5	4111	16.4	495
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-155A	DBTG	VIS	4.3	4111	16.4	1463
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-393A	DBTG	VIS	2.9	4111	16.4	665
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-258A	DBTG	VIS	4.5	4111	16.4	1602
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-400A	DBTG	VIS	4.3	4111	16.4	1463
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-284-1	DBTG	VIS	4.0	4111	16.4	1266
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-213-5	DBTG	VIS	3.9	4111	16.4	1204
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-213-4	DBTG	VIS	3.9	4111	16.4	1204
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-152-1	DBTG	VIS	4.2	4111	16.4	1396
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-140-1	DBTG	VIS	3.9	4111	16.4	1204
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-243B	DBTG	VIS	3.6	4111	16.4	1026
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-152B	DBTG	VIS	5.0	4111	16.4	1978
BETTINGER DELACORTE MCGUIRE 1984	CA-INY-2146	353-376-1	DBTG	VIS	4.4	4111	16.4	1532
DELACORTE 1999	CA-INY-2750	472-8-2550F	DBTG	VIS	2.9	3750	17.5	595
DELACORTE 1999	CA-INY-2750	472-8-2550E	DBTG	VIS	2.1	3750	17.5	312
DELACORTE 1999	CA-INY-2750	472-8-2480	DBTG	VIS	3.0	3750	17.5	636
DELACORTE 1999	CA-INY-2750	472-8-2538D	DBTG	VIS	3.0	3750	17.5	636
DELACORTE 1999	CA-INY-2750	472-8-2550D	DBTG	XRF	2.4	3750	17.5	407
DELACORTE 1999	CA-INY-2750	472-8-2577A	DBTG	XRF	3.5	3750	17.5	866
DELACORTE 1999	CA-INY-2750	472-8-2580C	DBTG	VIS	2.8	3750	17.5	554
DELACORTE 1999	CA-INY-2750	472-8-2538F	DBTG	VIS	2.8	3750	17.5	554
DELACORTE 1999	CA-INY-2750	472-8-2538E	DBTG	VIS	2.9	3750	17.5	595
DELACORTE 1999	CA-INY-3767	472-10-958A	DBTG	VIS	9.7	3750	17.5	6652
DELACORTE 1999	CA-INY-3767	472-10-999E	DBTG	VIS	9.1	3750	17.5	5855
DELACORTE 1999	CA-INY-3767	472-10-999D	DBTG	VIS	8.3	3750	17.5	4870
DELACORTE 1999	CA-INY-3767	472-10-999C	DBTG	VIS	9.5	3750	17.5	6381
DELACORTE 1999	CA-INY-3767	472-10-999A	DBTG	VIS	9.3	3750	17.5	6115
DELACORTE 1999	CA-INY-3767	472-10-958B	DBTG	VIS	9.1	3750	17.5	5855
DELACORTE 1999	CA-INY-3769	472-9-2028B	DBTG	VIS	1.8	3750	17.5	229
DELACORTE 1999	CA-INY-3769	472-9-2028A	DBTG	VIS	1.6	3750	17.5	181
DELACORTE 1999	CA-INY-3769	472-9-2421A	DBTG	VIS	8.6	3750	17.5	5229
DELACORTE 1999	CA-INY-3775	472-11-2596	DBTG	VIS	6.6	3750	17.5	3080
DELACORTE 1999	CA-INY-3778	472-3-2826B	DBTG	VIS	2.6	3750	17.5	478
DELACORTE 1999	CA-INY-3778	472-3-2714	DBTG	XRF	6.6	3750	17.5	3080
DELACORTE 1999	CA-INY-3778	472-3-2873	DBTG	XRF	1.8	3750	17.5	229

Reference	Site	Id	Desc	Met	Rim	Elev	EHT	B.P.
DELACORTE 1999	CA-INY-3778	472-3-3139	DBTG	XRF	2.5	3750	17.5	442
DELACORTE 1999	CA-INY-3778	472-3-3136	DBTG	XRF	5.1	3750	17.5	1839
DELACORTE 1999	CA-INY-3778	472-3-2811B	DBTG	XRF	3.0	3750	17.5	636
DELACORTE 1999	CA-INY-3778	472-3-2714	DBTG	VIS	1.9	3750	17.5	255
DELACORTE 1999	CA-INY-3778	472-3-2707B	DBTG	XRF	2.5	3750	17.5	442
DELACORTE 1999	CA-INY-3778	472-3-2802A	DBTG	XRF	2.3	3750	17.5	374
DELACORTE 1999	CA-INY-3778	472-3-2948A	DBTG	XRF	1.0	3750	17.5	71
DELACORTE 1999	CA-INY-3778	472-3-2948B	DBTG	XRF	1.3	3750	17.5	119
DELACORTE 1999	CA-INY-3778	472-3-2983B	DBTG	XRF	2.1	3750	17.5	312
DELACORTE 1999	CA-INY-3778	472-3-3072	DBTG	XRF	4.6	3750	17.5	1496
DELACORTE 1999	CA-INY-3778	472-3-3107	DBTG	XRF	1.2	3750	17.5	102
DELACORTE 1999	CA-INY-3778	472-3-2936	DBTG	VIS	2.7	3750	17.5	515
DELACORTE HALL BASGALL 1995	CA-INY-2750	411-8-3943	DBTG	XRF	7.2	3750	17.5	3665
DELACORTE HALL BASGALL 1995	CA-INY-2750	411-8-3953A	DBTG	VIS	3.2	3750	17.5	724
DELACORTE HALL BASGALL 1995	CA-INY-2750	411-8-3953B	DBTG	XRF	2.8	3750	17.5	554
DELACORTE HALL BASGALL 1995	CA-INY-2750	411-8-3958B	DBTG	XRF	3.2	3750	17.5	724
DELACORTE HALL BASGALL 1995	CA-INY-2750	411-8-3958A	DBTG	XRF	3.6	3750	17.5	916
DELACORTE HALL BASGALL 1995	CA-INY-328/H	411-2-1526C	DBTG	XRF	9.6	3750	17.5	6516
DELACORTE HALL BASGALL 1995	CA-INY-328/H	411-2-1430A	DBTG	XRF	8.6	3750	17.5	5229
DELACORTE HALL BASGALL 1995	CA-INY-328/H	411-2-1430B	DBTG	VIS	8.3	3750	17.5	4870
DELACORTE HALL BASGALL 1995	CA-INY-328/H	411-2-1430C	DBTG	VIS	8.3	3750	17.5	4870
DELACORTE HALL BASGALL 1995	CA-INY-328/H	411-2-5057F	DBTG	VIS	9.0	3750	17.5	5727
DELACORTE HALL BASGALL 1995	CA-INY-328/H	411-2-1526B	DBTG	VIS	8.7	3750	17.5	5351
DELACORTE HALL BASGALL 1995	CA-INY-328/H	411-2-5262L	DBTG	VIS	8.3	3750	17.5	4870
DELACORTE HALL BASGALL 1995	CA-INY-328/H	411-2-1526D	DBTG	XRF	9.7	3750	17.5	6652
DELACORTE HALL BASGALL 1995	CA-INY-328/H	411-2-5262A	DBTG	VIS	7.6	3750	17.5	4084
DELACORTE HALL BASGALL 1995	CA-INY-328/H	411-2-5262K	DBTG	VIS	8.3	3750	17.5	4870
DELACORTE HALL BASGALL 1995	CA-INY-3767	411-10-8679A	DBTG	VIS	10.0	3750	17.5	7070
DELACORTE HALL BASGALL 1995	CA-INY-3767	406-6-19A	DBTG	XRF	9.9	3750	17.5	6929
DELACORTE HALL BASGALL 1995	CA-INY-3767	411-10-8841	DBTG	VIS	8.8	3750	17.5	5475
DELACORTE HALL BASGALL 1995	CA-INY-3769	411-9-6883	DBTG	VIS	2.4	3750	17.5	407
GILREATH AND NELSON 1999	CA-INY-3782/H	603	DBTG	XRF	6.1	3806	17.3	2678
GILREATH AND NELSON 1999	CA-INY-3782/H	222	DBTG	VIS	6.7	3806	17.3	3231
GILREATH AND NELSON 1999	CA-INY-3782/H	1244	DBTG	XRF	3.0	3806	17.3	648
GILREATH AND NELSON 1999	CA-INY-3782/H	603	DBTG	XRF	5.7	3806	17.3	2338
GILREATH AND NELSON 1999	CA-INY-3782/H	599	DBTG	XRF	5.8	3806	17.3	2421
GILREATH AND NELSON 1999	CA-INY-3782/H	220	DBTG	VIS	6.8	3806	17.3	3328
GILREATH AND NELSON 1999	CA-INY-3782/H	1255	DBTG	VIS	2.6	3806	17.3	487
GILREATH AND NELSON 1999	CA-INY-3782/H	1255	DBTG	VIS	3.6	3806	17.3	933
GILREATH AND NELSON 1999	CA-INY-3782/H	1255	DBTG	VIS	2.7	3806	17.3	525
GILREATH AND NELSON 1999	CA-INY-3782/H	1255	DBTG	VIS	3.0	3806	17.3	648
GILREATH AND NELSON 1999	CA-INY-3782/H	1255	DBTG	VIS	2.7	3806	17.3	525
GILREATH AND NELSON 1999	CA-INY-3782/H	1244	DBTG	VIS	3.4	3806	17.3	832
GILREATH AND NELSON 1999	CA-INY-3782/H	588	DBTG	XRF	6.2	3806	17.3	2767
GILREATH AND NELSON 1999	CA-INY-3782/H	588	DBTG	XRF	7.4	3806	17.3	3941
GILREATH AND NELSON 1999	CA-INY-3782/H	215	DBTG	VIS	5.5	3806	17.3	2177
GILREATH AND NELSON 1999	CA-INY-3782/H	597	DBTG	XRF	5.9	3806	17.3	2505
GILREATH AND NELSON 1999	CA-INY-3782/H	222	DBTG	VIS	5.9	3806	17.3	2505
GILREATH AND NELSON 1999	CA-INY-3782/H	1244	DBTG	VIS	2.7	3806	17.3	525
GILREATH AND NELSON 1999	CA-INY-3782/H	1244	DBTG	VIS	2.9	3806	17.3	605
GILREATH AND NELSON 1999	CA-INY-3782/H	588	DBTG	XRF	6.1	3806	17.3	2678
GILREATH AND NELSON 1999	CA-INY-3782/H	588	DBTG	VIS	6.6	3806	17.3	3135
GILREATH AND NELSON 1999	CA-INY-3782/H	595	DBTG	XRF	5.1	3806	17.3	1872
GILREATH AND NELSON 1999	CA-INY-3782/H	595	DBTG	VIS	5.0	3806	17.3	1799
GILREATH AND NELSON 1999	CA-INY-3782/H	189	DBTG	VIS	5.7	3806	17.3	2338
GILREATH AND NELSON 1999	CA-INY-3782/H	1244	DBTG	XRF	2.8	3806	17.3	564
GILREATH AND NELSON 1999	CA-INY-3802/H	394	DBTG	XRF	2.0	3839	17.2	291
GILREATH AND NELSON 1999	CA-INY-3802/H	395	DBTG	VIS	4.0	3839	17.2	1164
GILREATH AND NELSON 1999	CA-INY-3802/H	388	DBTG	XRF	3.3	3839	17.2	792
GILREATH AND NELSON 1999	CA-INY-3802/H	394	DBTG	XRF	3.3	3839	17.2	792
GILREATH AND NELSON 1999	CA-INY-3802/H	395	DBTG	XRF	2.0	3839	17.2	291
GILREATH AND NELSON 1999	CA-INY-3802/H	398	DBTG	XRF	3.1	3839	17.2	699
GILREATH AND NELSON 1999	CA-INY-3802/H	398	DBTG	XRF	2.1	3839	17.2	321
GILREATH AND NELSON 1999	CA-INY-3802/H	405	DBTG	VIS	2.6	3839	17.2	492
GILREATH AND NELSON 1999	CA-INY-3802/H	405	DBTG	VIS	4.5	3839	17.2	1473
GILREATH AND NELSON 1999	CA-INY-3802/H	405	DBTG	VIS	3.9	3839	17.2	1106
GILREATH AND NELSON 1999	CA-INY-3802/H	394	DBTG	XRF	3.0	3839	17.2	655
GILREATH AND NELSON 1999	CA-INY-3802/H	405	DBTG	VIS	9.2	3839	17.2	6156
GILREATH AND NELSON 1999	CA-INY-3802/H	398	DBTG	VIS	3.0	3839	17.2	655
GILREATH AND NELSON 1999	CA-INY-3802/H	394	DBTG	XRF	1.8	3839	17.2	236
GILREATH AND NELSON 1999	CA-INY-4661/H	542	DBTG	XRF	1.8	3855	17.2	237

Reference	Site	Id	Desc	Met	Rim	Elev	EHT	B.P.
GILREATH AND NELSON 1999	CA-INY-4661/H	576	DBTG	XRF	3.2	3855	17.2	749
GILREATH AND NELSON 1999	CA-INY-4661/H	576	DBTG	VIS	2.8	3855	17.2	573
GILREATH AND NELSON 1999	CA-INY-4661/H	576	DBTG	XRF	2.6	3855	17.2	494
GILREATH AND NELSON 1999	CA-INY-4661/H	547	DBTG	XRF	3.4	3855	17.2	845
GILREATH AND NELSON 1999	CA-INY-4661/H	505	DBTG	XRF	2.9	3855	17.2	615
GILREATH AND NELSON 1999	CA-INY-4661/H	576	DBTG	VIS	3.0	3855	17.2	658
GILREATH AND NELSON 1999	CA-INY-4663	95	DBTG	VIS	6.0	3806	17.3	2591
GILREATH AND NELSON 1999	CA-INY-4663	50	DBTG	XRF	3.9	3806	17.3	1095
GILREATH AND NELSON 1999	CA-INY-4663	54	DBTG	VIS	5.1	3806	17.3	1872
GILREATH AND NELSON 1999	CA-INY-4663	95	DBTG	VIS	1.0	3806	17.3	72
GILREATH AND NELSON 1999	CA-INY-4663	46	DBTG	XRF	1.1	3806	17.3	87
GILREATH AND NELSON 1999	CA-INY-5212	269	DBTG	XRF	3.9	3822	17.3	1100
GILREATH AND NELSON 1999	CA-INY-5212	243	DBTG	XRF	5.4	3822	17.3	2109
GILREATH AND NELSON 1999	CA-INY-5212	269	DBTG	VIS	7.1	3822	17.3	3647
GILREATH AND NELSON 1999	CA-INY-5212	243	DBTG	XRF	4.5	3822	17.3	1465
GILREATH AND NELSON 1999	CA-INY-5212	269	DBTG	VIS	6.5	3822	17.3	3056
GILREATH AND NELSON 1999	CA-INY-5212	243	DBTG	XRF	5.8	3822	17.3	2434
GILREATH AND NELSON 1999	CA-INY-5212	243	DBTG	VIS	5.7	3822	17.3	2350
GILREATH AND NELSON 1999	CA-INY-5212	240	DBTG	VIS	6.7	3822	17.3	3247
GILREATH AND NELSON 1999	CA-INY-5212	240	DBTG	VIS	6.9	3822	17.3	3444
GILREATH AND NELSON 1999	CA-INY-5212	269	DBTG	XRF	7.2	3822	17.3	3750
YORK 1988	CA-INY-3448	322AF	DBTG	XRF	1.3	8120	8.2	329
YORK 1988	CA-INY-3448	322AH	DBTG	XRF	1.3	8120	8.2	329
YORK 1988	CA-INY-3462	85AF	DBTG	XRF	6.4	7140	9.7	6730
YORK 1988	CA-INY-3462	89AA	DBTG	XRF	5.0	7140	9.7	4108
YORK 1988	CA-INY-3464	171AC	DBTG	XRF	4.7	6739	10.4	3359
YORK 1988	CA-INY-3468	266B	DBTG	XRF	7.2	4850	14.4	5070
YORK 1988	CA-INY-3468	266A	DBTG	XRF	7.5	4850	14.4	5501
YORK 1988	CA-INY-3468	265AE	DBTG	XRF	6.9	4850	14.4	4656
YORK 1988	CA-INY-3468	265AA	DBTG	XRF	7.5	4850	14.4	5501
YORK 1988	CA-INY-3468	264BB	DBTG	XRF	7.2	4850	14.4	5070
YORK 1988	CA-INY-3468	265AC	DBTG	XRF	7.4	4850	14.4	5355
YORK 1988	CA-INY-3468	266C	DBTG	XRF	6.9	4850	14.4	4656
YORK 1988	CA-INY-3468	264BA	DBTG	XRF	8.5	4850	14.4	7066
YORK 1988	CA-INY-3468	265AD	DBTG	XRF	6.7	4850	14.4	4390
YORK 1988	CA-INY-3470	33BB	DBTG	XRF	4.2	4680	14.9	1647
YORK 1988	CA-INY-3470	49BI	DBTG	XRF	7.7	4680	14.9	5535
YORK 1988	CA-INY-3470	23BC	DBTG	XRF	6.8	4680	14.9	4316
YORK 1988	CA-INY-3470	30A	DBTG	XRF	8.2	4680	14.9	6277
YORK 1988	CA-INY-3470	49AC	DBTG	XRF	7.7	4680	14.9	5535
YORK 1988	CA-INY-3470	49AD	DBTG	XRF	7.7	4680	14.9	5535
YORK 1988	CA-INY-3470	49BB	DBTG	XRF	7.1	4680	14.9	4706
YORK 1988	CA-INY-3470	49BC	DBTG	XRF	7.4	4680	14.9	5112
YORK 1988	CA-INY-3470	49BJ	DBTG	XRF	7.6	4680	14.9	5392
YORK 1988	CA-INY-3470	49BG	DBTG	XRF	7.7	4680	14.9	5535
YORK 1988	CA-INY-3470	35A	DBTG	XRF	7.5	4680	14.9	5251
YORK 1988	CA-INY-3470	49BH	DBTG	XRF	7.0	4680	14.9	4574
YORK 1988	CA-INY-3470	49BE	DBTG	XRF	7.4	4680	14.9	5112
YORK 1988	CA-INY-3471	8AD	DBTG	XRF	3.2	4400	15.6	883
YORK 1988	CA-INY-3471	8AD	DBTG	XRF	8.6	4400	15.6	6376
YORK 1988	CA-INY-3471	8B	DBTG	XRF	3.8	4400	15.6	1245
YORK 1988	CA-INY-3471	8AA	DBTG	XRF	3.2	4400	15.6	883
YORK 1988	CA-INY-3474	115B	DBTG	XRF	7.6	4920	14.3	5756
YORK 1988	CA-INY-3474	141	DBTG	XRF	7.4	4920	14.3	5457

Note: Id=identifier (acc. no. or OH lab no.), Desc=Description, Met=Sourcing method, Rim=Hydration rim measurement, Elev=Elevation, EHT=Calculated Effective Hydration Temperature, B.P.=Calculated Years B.P., DBTG=Debitage, VIS=Visual Sourcing, XRF=X-ray Flourescence

Fish Springs Debitage from Western Slope, Southern Sierra Nevada

Reference	Site	Id	Desc	Met	Rim	Elev	EHT	B.P.
HALE AND HULL 1997	CA-TUL-24	7248C	DBTG	VIS	4.8	2800	15.9	1927
HALE AND HULL 1997	CA-TUL-24	7233E	DBTG	VIS	3.0	2800	15.9	753
HALE AND HULL 1997	CA-TUL-24	7233D	DBTG	VIS	5.6	2800	15.9	2623
HALE AND HULL 1997	CA-TUL-24	7233C	DBTG	VIS	5.7	2800	15.9	2718
HALE AND HULL 1997	CA-TUL-24	7236C	DBTG	VIS	6.6	2800	15.9	3644
HALE AND HULL 1997	CA-TUL-24	7233B	DBTG	VIS	2.9	2800	15.9	704
HALE AND HULL 1997	CA-TUL-24	7233A	DBTG	VIS	6.2	2800	15.9	3216
HALE AND HULL 1997	CA-TUL-24	7234D	DBTG	VIS	5.5	2800	15.9	2530
HALE AND HULL 1997	CA-TUL-24	7249C	DBTG	VIS	3.4	2800	15.9	967
HALE AND HULL 1997	CA-TUL-24	7247C	DBTG	VIS	7.1	2800	15.9	4217
HALE AND HULL 1997	CA-TUL-24	7236B	DBTG	VIS	7.5	2800	15.9	4705
HALE AND HULL 1997	CA-TUL-24	7249A	DBTG	VIS	8.6	2800	15.9	6187
HALE AND HULL 1997	CA-TUL-24	7248G	DBTG	VIS	3.2	2800	15.9	857
HALE AND HULL 1997	CA-TUL-24	7248F	DBTG	VIS	5.9	2800	15.9	2912
HALE AND HULL 1997	CA-TUL-24	7241B	DBTG	XRF	4.9	2800	15.9	2008
HALE AND HULL 1997	CA-TUL-24	7246B	DBTG	VIS	6.2	2800	15.9	3216
HALE AND HULL 1997	CA-TUL-24	7240E	DBTG	VIS	5.2	2800	15.9	2262
HALE AND HULL 1997	CA-TUL-24	7240D	DBTG	VIS	6.3	2800	15.9	3320
HALE AND HULL 1997	CA-TUL-24	7240B	DBTG	VIS	2.8	2800	15.9	656
HALE AND HULL 1997	CA-TUL-24	7241E	DBTG	VIS	7.5	2800	15.9	4705
HALE AND HULL 1997	CA-TUL-24	7236A	DBTG	XRF	1.5	2800	15.9	188
HALE AND HULL 1997	CA-TUL-24	7248E	DBTG	VIS	7.2	2800	15.9	4336
HALE AND HULL 1997	CA-TUL-24	7246A	DBTG	XRF	6.2	2800	15.9	3216
HALE AND HULL 1997	CA-TUL-24	7248D	DBTG	VIS	5.6	2800	15.9	2623
HALE AND HULL 1997	CA-TUL-24	7246D	DBTG	VIS	5.2	2800	15.9	2262
HALE AND HULL 1997	CA-TUL-24	7247A	DBTG	VIS	6.1	2800	15.9	3113
HALE AND HULL 1997	CA-TUL-24	7247B	DBTG	VIS	5.4	2800	15.9	2439
HALE AND HULL 1997	CA-TUL-24	7249C	DBTG	VIS	1.3	2800	15.9	141
HALE AND HULL 1997	CA-TUL-24	7248A	DBTG	XRF	4.3	2800	15.9	1547
HALE AND HULL 1997	CA-TUL-24	7234C	DBTG	VIS	6.1	2800	15.9	3113
HALE AND HULL 1997	CA-TUL-24	7245E	DBTG	VIS	8.1	2800	15.9	5488
HALE AND HULL 1997	CA-TUL-24	7230D	DBTG	VIS	3.5	2800	15.9	1025
HALE AND HULL 1997	CA-TUL-24	7234A	DBTG	XRF	2.7	2800	15.9	610
HALE AND HULL 1997	CA-TUL-24	7229C	DBTG	VIS	7.7	2800	15.9	4960
HALE AND HULL 1997	CA-TUL-24	7229D	DBTG	VIS	5.4	2800	15.9	2439
HALE AND HULL 1997	CA-TUL-24	7229E	DBTG	VIS	5.5	2800	15.9	2530
HALE AND HULL 1997	CA-TUL-24	7232E	DBTG	VIS	3.0	2800	15.9	753
HALE AND HULL 1997	CA-TUL-24	7229A	DBTG	XRF	5.4	2800	15.9	2439
HALE AND HULL 1997	CA-TUL-24	7232A	DBTG	XRF	5.9	2800	15.9	2912
HALE AND HULL 1997	CA-TUL-24	7252A	DBTG	VIS	5.4	2800	15.9	2439
HALE AND HULL 1997	CA-TUL-24	7231A	DBTG	VIS	5.6	2800	15.9	2623
HALE AND HULL 1997	CA-TUL-24	7231B	DBTG	VIS	2.5	2800	15.9	523
HALE AND HULL 1997	CA-TUL-24	7231B	DBTG	VIS	3.6	2800	15.9	1084
HALE AND HULL 1997	CA-TUL-24	7231C	DBTG	VIS	2.4	2800	15.9	482
HALE AND HULL 1997	CA-TUL-24	7231D	DBTG	VIS	5.6	2800	15.9	2623
HALE AND HULL 1997	CA-TUL-24	7230A	DBTG	XRF	5.1	2800	15.9	2176
HALE AND HULL 1997	CA-TUL-24	7230B	DBTG	VIS	3.4	2800	15.9	967
HALE AND HULL 1997	CA-TUL-24	7235E	DBTG	VIS	4.3	2800	15.9	1547
HALE AND HULL 1997	CA-TUL-24	7240C	DBTG	VIS	4.0	2800	15.9	1338
HALE AND HULL 1997	CA-TUL-24	7231E	DBTG	VIS	7.0	2800	15.9	4099
HALE AND HULL 1997	CA-TUL-24	7234E	DBTG	VIS	4.9	2800	15.9	2008
HALE AND HULL 1997	CA-TUL-24	7235A	DBTG	XRF	3.5	2800	15.9	1025
HALE AND HULL 1997	CA-TUL-24	7235B	DBTG	VIS	3.5	2800	15.9	1025
HALE AND HULL 1997	CA-TUL-24	7229B	DBTG	XRF	5.6	2800	15.9	2623
HALE AND HULL 1997	CA-TUL-24	7235D	DBTG	VIS	7.9	2800	15.9	5221
HALE AND HULL 1997	CA-TUL-24	7249B	DBTG	VIS	5.4	2800	15.9	2439
HALE AND HULL 1997	CA-TUL-24	7245A	DBTG	XRF	6.3	2800	15.9	3320
HALE AND HULL 1997	CA-TUL-24	7246E	DBTG	VIS	7.2	2800	15.9	4336
HALE AND HULL 1997	CA-TUL-24	7246C	DBTG	VIS	5.4	2800	15.9	2439
HALE AND HULL 1997	CA-TUL-24	7234B	DBTG	XRF	2.8	2800	15.9	656
HALE AND HULL 1997	CA-TUL-24	7230C	DBTG	VIS	5.9	2800	15.9	2912
HALE AND HULL 1997	CA-TUL-24	7251A	DBTG	VIS	3.7	2800	15.9	1145
HALE AND HULL 1997	CA-TUL-24	7235C	DBTG	VIS	3.6	2800	15.9	1084
HALE AND HULL 1997	CA-TUL-24	7245D	DBTG	VIS	8.6	2800	15.9	6187
HALE AND HULL 1997	CA-TUL-24	7238B	DBTG	XRF	5.1	2800	15.9	2176
HALE AND HULL 1997	CA-TUL-24	7238D	DBTG	VIS	6.4	2800	15.9	3426

Reference	Site	Id	Desc	Met	Rim	Elev	EHT	B.P.
HALE AND HULL 1997	CA-TUL-24	7244B	DBTG	VIS	9.4	2800	15.9	7391
HALE AND HULL 1997	CA-TUL-24	7239A	DBTG	XRF	7.9	2800	15.9	5221
HALE AND HULL 1997	CA-TUL-24	7239B	DBTG	XRF	7.1	2800	15.9	4217
HALE AND HULL 1997	CA-TUL-24	7243E	DBTG	VIS	3.8	2800	15.9	1208
HALE AND HULL 1997	CA-TUL-24	7237E	DBTG	VIS	5.0	2800	15.9	2091
HALE AND HULL 1997	CA-TUL-24	7243C	DBTG	XRF	6.2	2800	15.9	3216
HALE AND HULL 1997	CA-TUL-24	7239D	DBTG	VIS	5.1	2800	15.9	2176
HALE AND HULL 1997	CA-TUL-24	7240A	DBTG	VIS	2.7	2800	15.9	610
HALE AND HULL 1997	CA-TUL-24	7238C	DBTG	VIS	6.3	2800	15.9	3320
HALE AND HULL 1997	CA-TUL-24	7243D	DBTG	XRF	5.9	2800	15.9	2912
HALE AND HULL 1997	CA-TUL-24	7245B	DBTG	VIS	5.6	2800	15.9	2623
HALE AND HULL 1997	CA-TUL-24	7248B	DBTG	XRF	5.6	2800	15.9	2623
HALE AND HULL 1997	CA-TUL-24	7244E	DBTG	VIS	6.5	2800	15.9	3534
HALE AND HULL 1997	CA-TUL-24	7244D	DBTG	VIS	6.1	2800	15.9	3113
HALE AND HULL 1997	CA-TUL-24	7244C	DBTG	VIS	5.9	2800	15.9	2912
HALE AND HULL 1997	CA-TUL-24	7244B	DBTG	VIS	11.7	2800	15.9	11451
HALE AND HULL 1997	CA-TUL-24	7245C	DBTG	VIS	5.2	2800	15.9	2262
HALE AND HULL 1997	CA-TUL-24	7244A	DBTG	XRF	6.5	2800	15.9	3534
HALE AND HULL 1997	CA-TUL-24	7241D	DBTG	VIS	4.6	2800	15.9	1770
HALE AND HULL 1997	CA-TUL-24	7236C	DBTG	VIS	7.5	2800	15.9	4705
HALE AND HULL 1997	CA-TUL-24	7242D	DBTG	VIS	5.2	2800	15.9	2262
HALE AND HULL 1997	CA-TUL-24	7242E	DBTG	VIS	5.4	2800	15.9	2439
HALE AND HULL 1997	CA-TUL-24	7243A	DBTG	XRF	7.5	2800	15.9	4705
HALE AND HULL 1997	CA-TUL-24	7243B	DBTG	XRF	4.4	2800	15.9	1619
HALE AND HULL 1997	CA-TUL-24	7238E	DBTG	VIS	3.4	2800	15.9	967
HALE AND HULL 1997	CA-TUL-24	7242B	DBTG	XRF	4.9	2800	15.9	2008
HALE AND HULL 1997	CA-TUL-24	7238A	DBTG	XRF	3.5	2800	15.9	1025
HALE AND HULL 1997	CA-TUL-24	7242C	DBTG	XRF	5.0	2800	15.9	2091
HALE AND HULL 1997	CA-TUL-24	7238B	DBTG	XRF	4.2	2800	15.9	1476
HALE AND HULL 1997	CA-TUL-24	7241C	DBTG	VIS	7.4	2800	15.9	4581
HALE AND HULL 1997	CA-TUL-24	7242A	DBTG	XRF	6.7	2800	15.9	3755
HALE AND HULL 1997	CA-TUL-24	7236D	DBTG	VIS	3.0	2800	15.9	753
HALE AND HULL 1997	CA-TUL-24	7236E	DBTG	VIS	3.7	2800	15.9	1145
HALE AND HULL 1997	CA-TUL-24	7237A	DBTG	XRF	5.9	2800	15.9	2912
HALE AND HULL 1997	CA-TUL-24	7237B	DBTG	XRF	3.4	2800	15.9	967
HALE AND HULL 1997	CA-TUL-24	7237C	DBTG	VIS	5.6	2800	15.9	2623
HALE AND HULL 1997	CA-TUL-24	7237D	DBTG	VIS	2.3	2800	15.9	443
HALE AND HULL 1997	CA-TUL-24	7239C	DBTG	VIS	4.5	2800	15.9	1694
HALE AND HULL 1997	CA-TUL-24	7239E	DBTG	VIS	2.6	2800	15.9	565
HALE AND HULL 1997	CA-TUL-28	7578A	DBTG	VIS	3.5	2080	17.7	845
HALE AND HULL 1997	CA-TUL-28	8293A	DBTG	VIS	5.9	2080	17.7	2403
HALE AND HULL 1997	CA-TUL-28	7575B	DBTG	VIS	7.5	2080	17.7	3882
HALE AND HULL 1997	CA-TUL-28	7576A	DBTG	VIS	2.8	2080	17.7	541
HALE AND HULL 1997	CA-TUL-28	7576B	DBTG	VIS	1.3	2080	17.7	117
HALE AND HULL 1997	CA-TUL-28	7575A	DBTG	VIS	2.7	2080	17.7	503
JACKSON 1996	CA-TUL-72	10543C	DBTG	XRF	6.0	2200	17.4	2569
JACKSON 1996	CA-TUL-72	10548A	DBTG	XRF	2.6	2200	17.4	482
JACKSON 1996	CA-TUL-72	10549A	DBTG	XRF	4.4	2200	17.4	1382
JACKSON 1996	CA-TUL-72	10551B	DBTG	XRF	3.5	2200	17.4	874
JACKSON 1996	CA-TUL-72	10547B	DBTG	XRF	5.6	2200	17.4	2238
JACKSON 1996	CA-TUL-72	10544B	DBTG	VIS	5.1	2200	17.4	1856
JACKSON 1996	CA-TUL-72	10555A	DBTG	XRF	4.0	2200	17.4	1142
JACKSON 1996	CA-TUL-72	10544A	DBTG	VIS	4.8	2200	17.4	1644
JACKSON 1996	CA-TUL-72	10542A	DBTG	XRF	2.5	2200	17.4	446
JACKSON 1996	CA-TUL-72	10544C	DBTG	VIS	2.7	2200	17.4	520
JACKSON 1996	CA-TUL-72	10545B	DBTG	VIS	5.9	2200	17.4	2484
JACKSON 1996	CA-TUL-72	10546A	DBTG	VIS	6.0	2200	17.4	2569
JACKSON 1996	CA-TUL-72	10546B	DBTG	VIS	5.1	2200	17.4	1856
JACKSON 1996	CA-TUL-72	10546C	DBTG	VIS	5.3	2200	17.4	2004
JACKSON 1996	CA-TUL-72	10545A	DBTG	VIS	4.5	2200	17.4	1445
MUNDY 1991	CA-TUL-1227	EU1	DBTG	VIS	3.7	6720	8.8	2478
MUNDY 1991	CA-TUL-1227	EU5	DBTG	XRF	2.8	6720	8.8	1419
MUNDY 1991	CA-TUL-1227	EU1	DBTG	VIS	3.5	6720	8.8	2217
MUNDY 1991	CA-TUL-1227	EU1	DBTG	VIS	1.1	6720	8.8	219
MUNDY 1991	CA-TUL-1227	EU1	DBTG	VIS	3.7	6720	8.8	2478
MUNDY 1991	CA-TUL-1227	EU1	DBTG	XRF	1.2	6720	8.8	261
MUNDY 1991	CA-TUL-1227	EU1	DBTG	XRF	1.6	6720	8.8	463
MUNDY 1991	CA-TUL-1227	EU1	DBTG	VIS	3.5	6720	8.8	2217
MUNDY 1991	CA-TUL-1227	EU4	DBTG	XRF	4.2	6720	8.8	3193
MUNDY 1991	CA-TUL-1227	EU5	DBTG	VIS	3.6	6720	8.8	2346
MUNDY 1991	CA-TUL-1227	EU4	DBTG	XRF	3.6	6720	8.8	2346

Reference	Site	Id	Desc	Met	Rim	Elev	EHT	B.P.
MUNDY 1991	CA-TUL-1227	EU1	DBTG	VIS	3.3	6720	8.8	1971
MUNDY 1991	CA-TUL-1227	EU4	DBTG	VIS	3.1	6720	8.8	1739
MUNDY 1991	CA-TUL-1227	EU1	DBTG	VIS	3.6	6720	8.8	2346
MUNDY 1991	CA-TUL-1227	EU4	DBTG	VIS	3.6	6720	8.8	2346
MUNDY 1991	CA-TUL-1227	EU3	DBTG	VIS	4.0	6720	8.8	2896
MUNDY 1991	CA-TUL-1227	EU5	DBTG	XRF	4.2	6720	8.8	3193
MUNDY 1991	CA-TUL-1227	EU5	DBTG	XRF	4.2	6720	8.8	3193
MUNDY 1991	CA-TUL-1227	EU3	DBTG	VIS	1.7	6720	8.8	523
MUNDY 1991	CA-TUL-1227	EU2	DBTG	XRF	1.2	6720	8.8	261
MUNDY 1991	CA-TUL-1227	EU5	DBTG	XRF	1.0	6720	8.8	181
MUNDY 1991	CA-TUL-1227	EU5	DBTG	XRF	1.0	6720	8.8	181
MUNDY 1991	CA-TUL-1227	EU5	DBTG	VIS	4.2	6720	8.8	3193
MUNDY 1991	CA-TUL-1227	EU5	DBTG	VIS	3.5	6720	8.8	2217
MUNDY 1991	CA-TUL-1227	EU5	DBTG	VIS	3.7	6720	8.8	2478
MUNDY 1991	CA-TUL-1227	EU2	DBTG	VIS	1.3	6720	8.8	306
MUNDY 1991	CA-TUL-1227	EU3	DBTG	VIS	5.4	6720	8.8	5278
MUNDY 1991	CA-TUL-1227	EU1	DBTG	VIS	3.9	6720	8.8	2753
MUNDY 1991	CA-TUL-1227	EU3	DBTG	VIS	3.5	6720	8.8	2217
MUNDY 1991	CA-TUL-1227	EU1	DBTG	VIS	4.2	6720	8.8	3193
MUNDY 1991	CA-TUL-1227	EU1	DBTG	XRF	2.8	6720	8.8	1419
MUNDY 1991	CA-TUL-1227	EU1	DBTG	XRF	3.0	6720	8.8	1629
MUNDY 1991	CA-TUL-1227	EU1	DBTG	VIS	6.9	6720	8.8	8617
MUNDY 1991	CA-TUL-1227	EU1	DBTG	XRF	5.0	6720	8.8	4525
MUNDY 1991	CA-TUL-1227	EU1	DBTG	XRF	3.6	6720	8.8	2346
MUNDY 1991	CA-TUL-1227	EU3	DBTG	XRF	1.2	6720	8.8	261
MUNDY 1991	CA-TUL-1227	EU5	DBTG	VIS	3.6	6720	8.8	2346
MUNDY 1991	CA-TUL-1227	EU3	DBTG	VIS	1.7	6720	8.8	523
MUNDY 1991	CA-TUL-1227	EU4	DBTG	XRF	1.2	6720	8.8	261
MUNDY 1991	CA-TUL-1227	EU3	DBTG	VIS	3.2	6720	8.8	1853
MUNDY 1991	CA-TUL-1227	EU1	DBTG	VIS	4.4	6720	8.8	3504
ROPER WICKSTROM 1992	CA-TUL-1198	5028	DBTG	XRF	3.5	6560	9.0	2165
ROPER WICKSTROM 1992	CA-TUL-1198	5016	DBTG	XRF	2.5	6560	9.0	1104
ROPER WICKSTROM 1992	CA-TUL-1198	5036	DBTG	XRF	3.6	6560	9.0	2290
ROPER WICKSTROM 1992	CA-TUL-1198	5040	DBTG	XRF	3.2	6560	9.0	1809
ROPER WICKSTROM 1992	CA-TUL-1198	5021	DBTG	XRF	3.7	6560	9.0	2419
ROPER WICKSTROM 1992	CA-TUL-1198	5010	DBTG	XRF	3.3	6560	9.0	1924
ROPER WICKSTROM 1992	CA-TUL-1198	5011	DBTG	XRF	1.0	6560	9.0	177
ROPER WICKSTROM 1992	CA-TUL-1198	5012	DBTG	XRF	1.2	6560	9.0	254
ROPER WICKSTROM 1992	CA-TUL-1198	5031	DBTG	XRF	3.4	6560	9.0	2043
ROPER WICKSTROM 1992	CA-TUL-1198	5014	DBTG	XRF	1.1	6560	9.0	214
ROPER WICKSTROM 1992	CA-TUL-1198	5016	DBTG	XRF	3.4	6560	9.0	2043
ROPER WICKSTROM 1992	CA-TUL-1198	5039	DBTG	XRF	3.3	6560	9.0	1924
ROPER WICKSTROM 1992	CA-TUL-1198	5018	DBTG	XRF	2.4	6560	9.0	1018
ROPER WICKSTROM 1992	CA-TUL-1198	5038	DBTG	XRF	3.0	6560	9.0	1590
ROPER WICKSTROM 1992	CA-TUL-1198	5022	DBTG	XRF	3.5	6560	9.0	2165
ROPER WICKSTROM 1992	CA-TUL-1198	5023	DBTG	XRF	3.6	6560	9.0	2290
ROPER WICKSTROM 1992	CA-TUL-1198	5024	DBTG	XRF	3.0	6560	9.0	1590
ROPER WICKSTROM 1992	CA-TUL-1198	5029	DBTG	XRF	3.4	6560	9.0	2043
ROPER WICKSTROM 1992	CA-TUL-1198	5013	DBTG	XRF	1.1	6560	9.0	214
ROPER WICKSTROM 1992	CA-TUL-1231	5066	DBTG	XRF	3.0	10560	4.9	2523
ROPER WICKSTROM 1992	CA-TUL-1231	5068	DBTG	XRF	3.2	10560	4.9	2870
ROPER WICKSTROM 1992	CA-TUL-1231	5064	DBTG	XRF	3.1	10560	4.9	2694
ROPER WICKSTROM 1992	CA-TUL-1231	5065	DBTG	XRF	3.1	10560	4.9	2694
ROPER WICKSTROM 1992	CA-TUL-1231	5067	DBTG	XRF	3.4	10560	4.9	3240
ROPER WICKSTROM 1992	CA-TUL-1231	5070	DBTG	XRF	3.1	10560	4.9	2694
ROPER WICKSTROM 1992	CA-TUL-1235	5083	DBTG	XRF	3.6	8400	6.8	2926
ROPER WICKSTROM 1992	CA-TUL-1235	5081	DBTG	XRF	3.2	8400	6.8	2312
ROPER WICKSTROM 1992	CA-TUL-1235	5078	DBTG	XRF	1.0	8400	6.8	226
ROPER WICKSTROM 1992	CA-TUL-1235	5079	DBTG	XRF	1.1	8400	6.8	273
ROPER WICKSTROM 1992	CA-TUL-1235	5077	DBTG	XRF	1.0	8400	6.8	226
ROPER WICKSTROM 1992	CA-TUL-1235	5081	DBTG	XRF	2.2	8400	6.8	1093
ROPER WICKSTROM 1992	CA-TUL-1235	5082	DBTG	XRF	1.6	8400	6.8	578
ROPER WICKSTROM 1992	CA-TUL-1235	5084	DBTG	XRF	3.5	8400	6.8	2766
ROPER WICKSTROM 1992	CA-TUL-1235	5080	DBTG	XRF	3.3	8400	6.8	2459
ROPER WICKSTROM 1992	CA-TUL-1250	5254	DBTG	XRF	2.3	8500	6.7	1208
ROPER WICKSTROM 1992	CA-TUL-1252	5257	DBTG	XRF	3.4	8560	6.7	2659
ROPER WICKSTROM 1992	CA-TUL-1256	5183	DBTG	XRF	3.4	7200	8.2	2241
ROPER WICKSTROM 1992	CA-TUL-1256	5186	DBTG	XRF	3.3	7200	8.2	2111
ROPER WICKSTROM 1992	CA-TUL-1257	5195	DBTG	XRF	2.6	7200	8.2	1310
ROPER WICKSTROM 1992	CA-TUL-1257	5194	DBTG	XRF	2.0	7200	8.2	775
ROPER WICKSTROM 1992	CA-TUL-1257	5196	DBTG	XRF	3.7	7200	8.2	2654

Reference	Site	Id	Desc	Met	Rim	Elev	EHT	B.P.
ROPER WICKSTROM 1992	CA-TUL-1257	5192-01	DBTG	XRF	2.9	7200	8.2	1630
ROPER WICKSTROM 1992	CA-TUL-1258	5232-03	DBTG	XRF	4.5	7760	7.5	4229
ROPER WICKSTROM 1992	CA-TUL-1258	5232-02	DBTG	XRF	2.0	7760	7.5	835
ROPER WICKSTROM 1992	CA-TUL-304	5272	DBTG	XRF	2.3	8499	6.7	1208

Note: Id=identifier (acc. no. or OH lab no.), Desc=Description, Met=Sourcing method, Rim=Hydration rim measurement, Elev=Elevation, EHT=Calculated Effective Hydration Temperature, B.P.=Calculated Years B.P., DBTG=Debitage, VIS=Visual Sourcing, XRF=X-ray Flourescence

High Elevation Sites: Southern Sierra Nevada

Reference	Site	Id	Desc	Srce	Met	Rim	Elev	EHT	B.P.
JACKSON AND JACKSON 1997	CA-INY-3458	13L	DBTG	CD	XRF	4.1	9730	6.2	3506
JACKSON AND JACKSON 1997	CA-INY-3458	25PP	DBTG	CD	XRF	3.7	9730	6.2	2855
JACKSON AND JACKSON 1997	CA-INY-3458	8A	DBTG	CD	XRF	4.4	9730	6.2	4037
JACKSON AND JACKSON 1997	CA-INY-3458	36A	DBTG	CD	VIS	2.3	9730	6.2	1103
JACKSON AND JACKSON 1997	CA-INY-3458	35A	DBTG	CD	VIS	2.8	9730	6.2	1635
JACKSON AND JACKSON 1997	CA-INY-3458	33A	DBTG	CD	VIS	2.1	9730	6.2	920
JACKSON AND JACKSON 1997	CA-INY-3458	30A	DBTG	CD	VIS	3.4	9730	6.2	2411
JACKSON AND JACKSON 1997	CA-INY-3458	30B	DBTG	CD	VIS	3.5	9730	6.2	2555
JACKSON AND JACKSON 1997	CA-INY-3458	8E	DBTG	CD	XRF	4.5	9730	6.2	4223
JACKSON AND JACKSON 1997	CA-INY-3458	13H	DBTG	CD	XRF	2.6	9730	6.2	1410
JACKSON AND JACKSON 1997	CA-INY-3458	25T	DBTG	CD	XRF	4.2	9730	6.2	3679
JACKSON AND JACKSON 1997	CA-INY-3458	13O	DBTG	CD	XRF	3.4	9730	6.2	2411
JACKSON AND JACKSON 1997	CA-INY-3458	30A	DBTG	CD	VIS	2.4	9730	6.2	1201
JACKSON AND JACKSON 1997	CA-INY-3458	13M	DBTG	CD	XRF	3.3	9730	6.2	2271
JACKSON AND JACKSON 1997	CA-INY-3458	8D	DBTG	CD	XRF	4.6	9730	6.2	4413
JACKSON AND JACKSON 1997	CA-INY-3458	13K	DBTG	CD	XRF	4.6	9730	6.2	4413
JACKSON AND JACKSON 1997	CA-INY-3458	13Q	DBTG	CD	XRF	3.8	9730	6.2	3011
JACKSON AND JACKSON 1997	CA-INY-3458	13I	DBTG	CD	XRF	4.2	9730	6.2	3679
JACKSON AND JACKSON 1997	CA-INY-3458	26M	BIFACE	CD	XRF	3.6	9730	6.2	2703
JACKSON AND JACKSON 1997	CA-INY-3458	13G	DBTG	CD	XRF	4.3	9730	6.2	3856
JACKSON AND JACKSON 1997	CA-INY-3458	25N	DBTG	CD	XRF	3.7	9730	6.2	2855
JACKSON AND JACKSON 1997	CA-INY-3458	24E	DBTG	CD	VIS	4.0	9730	6.2	3337
JACKSON AND JACKSON 1997	CA-INY-3458	25SS	DBTG	CD	XRF	3.4	9730	6.2	2411
JACKSON AND JACKSON 1997	CA-INY-3458	25HH	DBTG	CD	XRF	3.5	9730	6.2	2555
JACKSON AND JACKSON 1997	CA-INY-3458	25KK	DBTG	CD	XRF	3.9	9730	6.2	3172
JACKSON AND JACKSON 1997	CA-INY-3458	25MM	DBTG	CD	XRF	3.3	9730	6.2	2271
JACKSON AND JACKSON 1997	CA-INY-3458	25OO	DBTG	CD	XRF	3.7	9730	6.2	2855
JACKSON AND JACKSON 1997	CA-INY-3458	13N	DBTG	CD	XRF	3.7	9730	6.2	2855
JACKSON AND JACKSON 1997	CA-INY-3458	25L	DBTG	CD	VIS	4.8	9730	6.2	4805
JACKSON AND JACKSON 1997	CA-INY-3458	25WW	DBTG	CD	XRF	3.9	9730	6.2	3172
JACKSON AND JACKSON 1997	CA-INY-3458	25O	DBTG	CD	XRF	3.5	9730	6.2	2555
JACKSON AND JACKSON 1997	CA-INY-3458	25M	DBTG	CD	VIS	2.8	9730	6.2	1635
JACKSON AND JACKSON 1997	CA-INY-3458	7A	DBTG	CD	VIS	2.0	9730	6.2	834
JACKSON AND JACKSON 1997	CA-INY-3458	6B	DBTG	CD	VIS	4.0	9730	6.2	3337
JACKSON AND JACKSON 1997	CA-INY-3458	6A	DBTG	CD	VIS	1.7	9730	6.2	603
JACKSON AND JACKSON 1997	CA-INY-3458	25G	DBTG	CD	VIS	4.6	9730	6.2	4413
JACKSON AND JACKSON 1997	CA-INY-3458	5A	DBTG	CD	VIS	5.2	9730	6.2	5639
JACKSON AND JACKSON 1997	CA-INY-3458	25H	DBTG	CD	VIS	4.5	9730	6.2	4223
JACKSON AND JACKSON 1997	CA-INY-3458	4B	DBTG	CD	VIS	4.0	9730	6.2	3337
JACKSON AND JACKSON 1997	CA-INY-3458	2A	DBTG	CD	VIS	1.3	9730	6.2	352
JACKSON AND JACKSON 1997	CA-INY-3458	8B	DBTG	CD	XRF	3.7	9730	6.2	2855
JACKSON AND JACKSON 1997	CA-INY-3458	18A	DBTG	CD	VIS	3.6	9730	6.2	2703
JACKSON AND JACKSON 1997	CA-INY-3458	8P	DBTG	CD	XRF	4.7	9730	6.2	4607
JACKSON AND JACKSON 1997	CA-INY-3458	25K	DBTG	CD	VIS	2.8	9730	6.2	1635
JACKSON AND JACKSON 1997	CA-INY-3458	25J	DBTG	CD	VIS	3.3	9730	6.2	2271
JACKSON AND JACKSON 1997	CA-INY-3458	25I	DBTG	CD	VIS	4.6	9730	6.2	4413
JACKSON AND JACKSON 1997	CA-INY-3458	4A	DBTG	CD	VIS	3.8	9730	6.2	3011
JACKSON AND JACKSON 1997	CA-INY-3458	8C	DBTG	CD	XRF	4.4	9730	6.2	4037
JACKSON AND JACKSON 1997	CA-INY-3458	8J	DBTG	CD	XRF	4.1	9730	6.2	3506
JACKSON AND JACKSON 1997	CA-INY-3458	8I	DBTG	CD	XRF	3.5	9730	6.2	2555
JACKSON AND JACKSON 1997	CA-INY-3458	8H	DBTG	CD	XRF	4.0	9730	6.2	3337
JACKSON AND JACKSON 1997	CA-INY-3458	25R	DBTG	CD	XRF	4.4	9730	6.2	4037
JACKSON AND JACKSON 1997	CA-INY-3458	8G	DBTG	CD	XRF	3.9	9730	6.2	3172
JACKSON AND JACKSON 1997	CA-INY-3458	25F	DBTG	CD	VIS	4.0	9730	6.2	3337
JACKSON AND JACKSON 1997	CA-INY-3458	8F	DBTG	CD	XRF	4.1	9730	6.2	3506
JACKSON AND JACKSON 1997	CA-INY-3458	25P	DBTG	CD	XRF	3.8	9730	6.2	3011
JACKSON AND JACKSON 1997	CA-INY-3458	25C	DBTG	CD	VIS	4.0	9730	6.2	3337
JACKSON AND JACKSON 1997	CA-INY-3458	8M	DBTG	CD	XRF	4.4	9730	6.2	4037
JACKSON AND JACKSON 1997	CA-INY-3458	13A	DBTG	CD	XRF	3.9	9730	6.2	3172
JACKSON AND JACKSON 1997	CA-INY-3458	25QQ	DBTG	CD	XRF	4.6	9730	6.2	4413

Reference	Site	Id	Desc	Srce	Met	Rim	Elev	EHT	B.P.
JACKSON AND JACKSON 1997	CA-INY-3458	8L	DBTG	CD	XRF	4.5	9730	6.2	4223
JACKSON AND JACKSON 1997	CA-INY-3458	25GG	DBTG	CD	XRF	4.0	9730	6.2	3337
JACKSON AND JACKSON 1997	CA-INY-3458	22	BIFACE	CD	XRF	3.2	9730	6.2	2135
JACKSON AND JACKSON 1997	CA-INY-3458	25II	DBTG	CD	XRF	3.9	9730	6.2	3172
JACKSON AND JACKSON 1997	CA-INY-3458	13C	DBTG	CD	XRF	4.2	9730	6.2	3679
JACKSON AND JACKSON 1997	CA-INY-3458	9A	BIFACE	CD	XRF	4.2	9730	6.2	3679
JACKSON AND JACKSON 1997	CA-INY-3458	8K	DBTG	CD	XRF	4.1	9730	6.2	3506
JACKSON AND JACKSON 1997	CA-INY-3458	13J	DBTG	CD	XRF	3.5	9730	6.2	2555
JACKSON AND JACKSON 1997	CA-INY-3458	8N	DBTG	CD	XRF	4.2	9730	6.2	3679
JACKSON AND JACKSON 1997	CA-INY-3458	25D	DBTG	CD	VIS	4.0	9730	6.2	3337
JACKSON AND JACKSON 1997	CA-INY-3458	34	BIFACE	CD	XRF	4.4	9730	6.2	4037
JACKSON AND JACKSON 1997	CA-INY-3458	25B	DBTG	CD	VIS	4.6	9730	6.2	4413
JACKSON AND JACKSON 1997	CA-INY-3458	25A	DBTG	CD	VIS	2.7	9730	6.2	1520
JACKSON AND JACKSON 1997	CA-INY-3458	24G	DBTG	CD	VIS	3.6	9730	6.2	2703
JACKSON AND JACKSON 1997	CA-INY-3458	24F	DBTG	CD	VIS	4.0	9730	6.2	3337
JACKSON AND JACKSON 1997	CA-INY-3458	13P	DBTG	CD	XRF	4.1	9730	6.2	3506
JACKSON AND JACKSON 1997	CA-INY-3458	24D	DBTG	CD	VIS	3.7	9730	6.2	2855
JACKSON AND JACKSON 1997	CA-INY-3458	25E	DBTG	CD	VIS	4.2	9730	6.2	3679
JACKSON AND JACKSON 1997	CA-INY-3458	24B	DBTG	CD	VIS	4.8	9730	6.2	4805
JACKSON AND JACKSON 1997	CA-INY-3458	24A	DBTG	CD	VIS	4.8	9730	6.2	4805
JACKSON AND JACKSON 1997	CA-INY-3458	25S	DBTG	CD	XRF	4.4	9730	6.2	4037
JACKSON AND JACKSON 1997	CA-INY-3458	25Q	DBTG	CD	XRF	3.3	9730	6.2	2271
JACKSON AND JACKSON 1997	CA-INY-3458	24C	DBTG	CD	VIS	4.1	9730	6.2	3506
JACKSON AND JACKSON 1997	CA-INY-3458	25VV	DBTG	CD	XRF	4.2	9730	6.2	3679
JACKSON AND JACKSON 1997	CA-INY-3458	25RR	DBTG	CD	XRF	3.3	9730	6.2	2271
JACKSON AND JACKSON 1997	CA-INY-3458	25JJ	DBTG	CD	XRF	4.3	9730	6.2	3856
JACKSON AND JACKSON 1997	CA-INY-3458	25TT	DBTG	CD	XRF	2.7	9730	6.2	1520
JACKSON AND JACKSON 1997	CA-INY-3458	3	BIFACE	CD	XRF	4.5	9730	6.2	4223
JACKSON AND JACKSON 1997	CA-INY-3458	25UU	DBTG	CD	XRF	3.3	9730	6.2	2271
JACKSON AND JACKSON 1997	CA-INY-3458	8O	DBTG	CD	XRF	4.0	9730	6.2	3337
JACKSON AND JACKSON 1997	CA-INY-3458	16A	BIFACE	CD	XRF	2.4	9730	6.2	1201
JACKSON AND JACKSON 1997	CA-INY-3458	25V	DBTG	CD	XRF	3.5	9730	6.2	2555
JACKSON AND JACKSON 1997	CA-INY-3458	25CC	DBTG	CD	XRF	3.7	9730	6.2	2855
JACKSON AND JACKSON 1997	CA-INY-3458	25EE	DBTG	CD	XRF	3.8	9730	6.2	3011
JACKSON AND JACKSON 1997	CA-INY-3458	25BB	DBTG	CD	XRF	3.7	9730	6.2	2855
JACKSON AND JACKSON 1997	CA-INY-3458	25AA	DBTG	CD	XRF	3.4	9730	6.2	2411
JACKSON AND JACKSON 1997	CA-INY-3458	25LL	DBTG	CD	XRF	4.3	9730	6.2	3856
JACKSON AND JACKSON 1997	CA-INY-3458	8Q	DBTG	CD	XRF	4.4	9730	6.2	4037
JACKSON AND JACKSON 1997	CA-INY-3458	25Z	DBTG	CD	XRF	3.5	9730	6.2	2555
JACKSON AND JACKSON 1997	CA-INY-3458	25FF	DBTG	CD	XRF	4.3	9730	6.2	3856
JACKSON AND JACKSON 1997	CA-INY-3458	13B	DBTG	CD	XRF	2.0	9730	6.2	834
JACKSON AND JACKSON 1997	CA-INY-3458	12A	PRJPT	CD	XRF	3.8	9730	6.2	3011
JACKSON AND JACKSON 1997	CA-INY-3458	25DD	DBTG	CD	XRF	4.1	9730	6.2	3506
JACKSON AND JACKSON 1997	CA-INY-3458	13D	DBTG	CD	XRF	4.6	9730	6.2	4413
JACKSON AND JACKSON 1997	CA-INY-3458	13E	DBTG	CD	XRF	4.6	9730	6.2	4413
JACKSON AND JACKSON 1997	CA-INY-3458	25W	DBTG	CD	XRF	2.6	9730	6.2	1410
JACKSON AND JACKSON 1997	CA-INY-3458	25Y	DBTG	CD	XRF	4.4	9730	6.2	4037
JACKSON AND JACKSON 1997	CA-INY-3458	25U	DBTG	CD	XRF	3.9	9730	6.2	3172
ROPER WICKSTROM 1992	87A-31	5328	BIFACE	CD	XRF	1.0	10640	4.9	235
ROPER WICKSTROM 1992	87A-31	5323	PRJPT	FS	XRF	1.8	10640	4.9	914
ROPER WICKSTROM 1992	87A-31	5327	PRJPT	FS	XRF	2.4	10640	4.9	1626
ROPER WICKSTROM 1992	87A-31	5325	PRJPT	FS	XRF	2.3	10640	4.9	1493
ROPER WICKSTROM 1992	87A-32	5329-01	DBTG	CD	XRF	2.7	10640	4.9	1716
ROPER WICKSTROM 1992	87A-32	5329-05	DBTG	CS	XRF	3.2	10640	4.9	2488
ROPER WICKSTROM 1992	87A-32	5329-07	DBTG	FS	XRF	1.5	10640	4.9	635
ROPER WICKSTROM 1992	87A-32	5329-09	DBTG	FS	XRF	2.3	10640	4.9	1493
ROPER WICKSTROM 1992	87A-32	5329-04	DBTG	FS	XRF	2.1	10640	4.9	1245
ROPER WICKSTROM 1992	87A-32	5329-06	DBTG	FS	XRF	2.2	10640	4.9	1366
ROPER WICKSTROM 1992	87A-32	5329-03	DBTG	CD	XRF	1.5	10640	4.9	530
ROPER WICKSTROM 1992	87A-32	5329-11	DBTG	CD	XRF	1.7	10640	4.9	680
ROPER WICKSTROM 1992	87A-32	5329-10	DBTG	CS	XRF	2.1	10640	4.9	1072
ROPER WICKSTROM 1992	87A-32	5329-11	DBTG	CD	XRF	2.4	10640	4.9	1356
ROPER WICKSTROM 1992	88A-4	88-4-10	DBTG	FS	XRF	2.5	10800	4.8	1787
ROPER WICKSTROM 1992	88A-4	88-4-05	DBTG	FS	XRF	4.5	10800	4.8	5791
ROPER WICKSTROM 1992	88A-4	88-4-19	DBTG	FS	XRF	2.8	10800	4.8	2242

Reference	Site	Id	Desc	Srce	Met	Rim	Elev	EHT	B.P.
ROPER WICKSTROM 1992	88A-4	88-4-08	DBTG	FS	XRF	2.8	10800	4.8	2242
ROPER WICKSTROM 1992	88A-4	88-4-20	DBTG	FS	XRF	1.9	10800	4.8	1032
ROPER WICKSTROM 1992	88A-4	88-4-01	DBTG	FS	XRF	3.4	10800	4.8	3306
ROPER WICKSTROM 1992	88A-4	88-4-04	DBTG	FS	XRF	2.4	10800	4.8	1647
ROPER WICKSTROM 1992	88A-4	88-4-12	DBTG	FS	XRF	2.5	10800	4.8	1787
ROPER WICKSTROM 1992	88A-4	88-4-10	DBTG	FS	XRF	1.3	10800	4.8	483
ROPER WICKSTROM 1992	88A-4	88-4-17	DBTG	FS	XRF	3.6	10800	4.8	3706
ROPER WICKSTROM 1992	88A-4	88-4-05	DBTG	FS	XRF	7.0	10800	4.8	14014
ROPER WICKSTROM 1992	88A-4	88-4-06	DBTG	FS	XRF	4.2	10800	4.8	5045
ROPER WICKSTROM 1992	88A-4	88-4-07	DBTG	FS	XRF	1.7	10800	4.8	827
ROPER WICKSTROM 1992	88A-4	88-4-08	DBTG	FS	XRF	3.5	10800	4.8	3503
ROPER WICKSTROM 1992	88A-4	88-4-09	DBTG	FS	XRF	3.5	10800	4.8	3503
ROPER WICKSTROM 1992	88A-4	88-4-02	DBTG	FS	XRF	1.9	10800	4.8	1032
ROPER WICKSTROM 1992	88A-4	88-4-03	DBTG	FS	XRF	2.1	10800	4.8	1261
ROPER WICKSTROM 1992	88A-4	88-4-14	DBTG	FS	XRF	1.8	10800	4.8	927
ROPER WICKSTROM 1992	88A-4	88-4-13	DBTG	FS	XRF	4.0	10800	4.8	4576
ROPER WICKSTROM 1992	88A-4	88-4-16	DBTG	FS	XRF	4.3	10800	4.8	5288
ROPER WICKSTROM 1992	88A-4	88-4-18	DBTG	CD	XRF	3.2	10800	4.8	2437
ROPER WICKSTROM 1992	88A-4	88-4-11	DBTG	FS	XRF	3.2	10800	4.8	2929
ROPER WICKSTROM 1992	88A-4	88-4-15	DBTG	FS	XRF	2.3	10800	4.8	1513
ROPER WICKSTROM 1992	88A-4	88-4-20	DBTG	FS	XRF	2.9	10800	4.8	2405
ROPER WICKSTROM 1992	88A-5	88-5-05	DBTG	FS	XRF	3.6	10640	4.9	3657
ROPER WICKSTROM 1992	88A-5	88-5-13	DBTG	FS	XRF	4.9	10640	4.9	6776
ROPER WICKSTROM 1992	88A-5	88-5-11	DBTG	FS	XRF	5.2	10640	4.9	7631
ROPER WICKSTROM 1992	88A-5	88-5-09	DBTG	FS	XRF	5.2	10640	4.9	7631
ROPER WICKSTROM 1992	88A-5	88-5-02	DBTG	FS	XRF	6.4	10640	4.9	11559
ROPER WICKSTROM 1992	88A-5	88-5-02	DBTG	FS	XRF	5.4	10640	4.9	8229
ROPER WICKSTROM 1992	88A-5	88-5-01	PRJPT	FS	XRF	1.7	10640	4.9	816
ROPER WICKSTROM 1992	88A-5	88-5-04	DBTG	FS	XRF	5.3	10640	4.9	7927
ROPER WICKSTROM 1992	88A-5	88-5-06	DBTG	FS	XRF	4.9	10640	4.9	6776
ROPER WICKSTROM 1992	88A-5	88-5-07	DBTG	FS	XRF	4.4	10640	4.9	5464
ROPER WICKSTROM 1992	88A-5	88-5-14	DBTG	FS	XRF	5.3	10640	4.9	7927
ROPER WICKSTROM 1992	88A-5	88-5-12	DBTG	FS	XRF	4.8	10640	4.9	6502
ROPER WICKSTROM 1992	88A-5	88-5-03	DBTG	FS	XRF	5.3	10640	4.9	7927
ROPER WICKSTROM 1992	88A-5	88-5-10	DBTG	FS	XRF	8.0	10640	4.9	18061
ROPER WICKSTROM 1992	88A-5	88-5-16	DBTG	FS	XRF	5.0	10640	4.9	7055
ROPER WICKSTROM 1992	88A-5	88-5-15	DBTG	FS	XRF	4.6	10640	4.9	5972
ROPER WICKSTROM 1992	88A-5	88-5-10	DBTG	FS	XRF	3.9	10640	4.9	4292
ROPER WICKSTROM 1992	CA-FRE-2162	5336-10	DBTG	CD	XRF	2.5	11600	4.2	1567
ROPER WICKSTROM 1992	CA-FRE-2162	5336-05	DBTG	CD	XRF	2.6	11600	4.2	1695
ROPER WICKSTROM 1992	CA-FRE-2162	5336-02	DBTG	CD	XRF	5.8	11600	4.2	8432
ROPER WICKSTROM 1992	CA-FRE-2162	5336-04	DBTG	CD	XRF	2.9	11600	4.2	2108
ROPER WICKSTROM 1992	CA-FRE-2162	5336-06	DBTG	CD	XRF	2.6	11600	4.2	1695
ROPER WICKSTROM 1992	CA-FRE-2162	5336-07	DBTG	CD	XRF	2.2	11600	4.2	1213
ROPER WICKSTROM 1992	CA-FRE-2162	5336-08	DBTG	CD	XRF	1.0	11600	4.2	251
ROPER WICKSTROM 1992	CA-FRE-2162	5336-09	DBTG	CD	XRF	2.1	11600	4.2	1105
ROPER WICKSTROM 1992	CA-FRE-2162	5332	BIFACE	CD	XRF	1.6	11600	4.2	642
ROPER WICKSTROM 1992	CA-FRE-2162	5336-03	DBTG	CD	XRF	1.6	11600	4.2	642
ROPER WICKSTROM 1992	CA-FRE-2162	5333	BIFACE	CD	XRF	1.3	11600	4.2	424
ROPER WICKSTROM 1992	CA-FRE-2164	5339	BIFACE	CD	XRF	4.5	11600	4.2	5076
ROPER WICKSTROM 1992	CA-FRE-2164	5344-03	DBTG	CD	XRF	3.9	11600	4.2	3813
ROPER WICKSTROM 1992	CA-FRE-2164	5344-09	DBTG	CD	XRF	4.6	11600	4.2	5304
ROPER WICKSTROM 1992	CA-FRE-2164	5344-07	DBTG	CD	XRF	3.4	11600	4.2	2898
ROPER WICKSTROM 1992	CA-FRE-2164	5344-06	DBTG	CD	XRF	4.4	11600	4.2	4853
ROPER WICKSTROM 1992	CA-FRE-2164	5344-01	DBTG	CD	XRF	4.4	11600	4.2	4853
ROPER WICKSTROM 1992	CA-FRE-2164	5343	BIFACE	CD	XRF	4.3	11600	4.2	4635
ROPER WICKSTROM 1992	CA-FRE-2164	5342	BIFACE	CD	XRF	4.4	11600	4.2	4853
ROPER WICKSTROM 1992	CA-FRE-2164	5340	BIFACE	CD	XRF	4.5	11600	4.2	5076
ROPER WICKSTROM 1992	CA-FRE-2164	5341	BIFACE	CD	XRF	4.9	11600	4.2	6019
ROPER WICKSTROM 1992	CA-FRE-2168	5354-06	DBTG	CD	XRF	4.4	11240	4.5	4745
ROPER WICKSTROM 1992	CA-FRE-2168	5354-08	DBTG	CD	XRF	4.2	11240	4.5	4323
ROPER WICKSTROM 1992	CA-FRE-2168	5354-09	DBTG	CD	XRF	6.9	11240	4.5	11669
ROPER WICKSTROM 1992	CA-FRE-2168	5349	BIFACE	CS	XRF	5.4	11240	4.5	7506
ROPER WICKSTROM 1992	CA-FRE-2168	5354-05	DBTG	CD	XRF	6.0	11240	4.5	8823
ROPER WICKSTROM 1992	CA-FRE-2168	5354-04	DBTG	FS	XRF	3.3	11240	4.5	3226

Reference	Site	Id	Desc	Srce	Met	Rim	Elev	EHT	B.P.
ROPER WICKSTROM 1992	CA-FRE-2168	5352	BIFACE	CD	XRF	5.4	11240	4.5	7147
ROPER WICKSTROM 1992	CA-FRE-2168	5354-06	DBTG	CD	XRF	3.4	11240	4.5	2833
ROPER WICKSTROM 1992	CA-FRE-2168	5354-07	DBTG	CD	XRF	4.7	11240	4.5	5414
ROPER WICKSTROM 1992	CA-FRE-2168	5354-10	DBTG	FS	XRF	3.8	11240	4.5	4277
ROPER WICKSTROM 1992	CA-FRE-2168	5348	BIFACE	FS	XRF	3.1	11240	4.5	2847
ROPER WICKSTROM 1992	CA-FRE-2168	5354-04	DBTG	FS	XRF	7.2	11240	4.5	15355
ROPER WICKSTROM 1992	CA-FRE-2168	5354-03	DBTG	FS	XRF	3.9	11240	4.5	4505
ROPER WICKSTROM 1992	CA-FRE-2168	5354-01	DBTG	FS	XRF	4.6	11240	4.5	6268
ROPER WICKSTROM 1992	CA-FRE-2168	5348	BIFACE	FS	XRF	3.8	11240	4.5	4277
ROPER WICKSTROM 1992	CA-FRE-2168	5350	CORE	CD	XRF	5.0	11240	4.5	6127
ROPER WICKSTROM 1992	CA-FRE-2169	5361	BIFACE	CS	XRF	7.1	11240	4.5	12977
ROPER WICKSTROM 1992	CA-FRE-2169	5363	CORE	CD	XRF	5.2	11240	4.5	6627
ROPER WICKSTROM 1992	CA-FRE-2169	5360	BIFACE	FS	XRF	3.8	11240	4.5	4277
ROPER WICKSTROM 1992	CA-FRE-2169	5358	BIFACE	CD	XRF	4.4	11240	4.5	4745
ROPER WICKSTROM 1992	CA-FRE-2169	5355-07	DBTG	FS	XRF	4.1	11240	4.5	4979
ROPER WICKSTROM 1992	CA-FRE-2169	5355-06	DBTG	FS	XRF	3.8	11240	4.5	4277
ROPER WICKSTROM 1992	CA-FRE-2169	5355-03	DBTG	FS	XRF	4.6	11240	4.5	6268
ROPER WICKSTROM 1992	CA-FRE-2169	5355-01	DBTG	FS	XRF	4.1	11240	4.5	4979
ROPER WICKSTROM 1992	CA-FRE-2169	5355-05	DBTG	FS	XRF	4.0	11240	4.5	4739
ROPER WICKSTROM 1992	CA-FRE-2169	5367	PRJPT	FS	XRF	4.5	11240	4.5	5998
ROPER WICKSTROM 1992	CA-FRE-2169	5359	PRJPT	FS	XRF	4.0	11240	4.5	4739
ROPER WICKSTROM 1992	CA-FRE-2169	5355-09	DBTG	FS	XRF	2.8	11240	4.5	2322
ROPER WICKSTROM 1992	CA-FRE-2169	5369	BIFACE	FS	XRF	4.4	11240	4.5	5735
ROPER WICKSTROM 1992	CA-FRE-2169	5368	BIFACE	FS	XRF	3.6	11240	4.5	3839
ROPER WICKSTROM 1992	CA-FRE-2169	5364	PRJPT	FS	XRF	3.8	11240	4.5	4277
ROPER WICKSTROM 1992	CA-FRE-2169	5366	BIFACE	CD	XRF	3.5	11240	4.5	3002
ROPER WICKSTROM 1992	CA-FRE-2169	5362	BIFACE	FS	XRF	5.6	11240	4.5	9289
ROPER WICKSTROM 1992	CA-FRE-2169	5357	BIFACE	FS	XRF	4.0	11240	4.5	4739
ROPER WICKSTROM 1992	CA-FRE-2169	5355-03	DBTG	FS	XRF	3.8	11240	4.5	4277
ROPER WICKSTROM 1992	CA-FRE-2169	5355-08	DBTG	FS	XRF	3.8	11240	4.5	4277
ROPER WICKSTROM 1992	CA-FRE-2169	5362	BIFACE	FS	XRF	7.0	11240	4.5	14514
ROPER WICKSTROM 1992	CA-FRE-2169	5356	PRJPT	FS	XRF	3.6	11240	4.5	3839
ROPER WICKSTROM 1992	CA-FRE-2169	5355-10	DBTG	FS	XRF	4.1	11240	4.5	4979
ROPER WICKSTROM 1992	CA-FRE-2169	5355-09	DBTG	FS	XRF	3.8	11240	4.5	4277
ROPER WICKSTROM 1992	CA-FRE-2169	5355-04	DBTG	CD	XRF	4.0	11240	4.5	3921
ROPER WICKSTROM 1992	CA-FRE-2169	5355-02	DBTG	CD	XRF	4.7	11240	4.5	5414
ROPER WICKSTROM 1992	CA-FRE-2169	5363	CORE	CD	XRF	7.3	11240	4.5	13061
ROPER WICKSTROM 1992	CA-FRE-2169	5369	BIFACE	FS	XRF	7.5	11240	4.5	16662
ROPER WICKSTROM 1992	CA-FRE-2169	5355-10	DBTG	FS	XRF	2.9	11240	4.5	2491
ROPER WICKSTROM 1992	CA-FRE-2170	5374	PRJPT	FS	XRF	1.5	11440	4.3	677
ROPER WICKSTROM 1992	CA-FRE-2174	5386	PRJPT	FS	XRF	1.4	11460	4.3	590
ROPER WICKSTROM 1992	CA-FRE-2175	5387	PRJPT	FS	XRF	1.5	11520	4.3	681
ROPER WICKSTROM 1992	CA-TUL-103	5139	DBTG	CD	XRF	0.9	9600	5.7	176
ROPER WICKSTROM 1992	CA-TUL-103	5135	DBTG	CD	XRF	5.5	9600	5.7	6582
ROPER WICKSTROM 1992	CA-TUL-103	5143	DBTG	CS	XRF	2.0	9600	5.7	868
ROPER WICKSTROM 1992	CA-TUL-103	5138	DBTG	CS	XRF	5.9	9600	5.7	7558
ROPER WICKSTROM 1992	CA-TUL-103	5136	DBTG	CD	XRF	2.8	9600	5.7	1706
ROPER WICKSTROM 1992	CA-TUL-1231	5058	BIFACE	FS	XRF	2.9	10560	4.9	2357
ROPER WICKSTROM 1992	CA-TUL-1231	5067	DBTG	FS	XRF	3.4	10560	4.9	3240
ROPER WICKSTROM 1992	CA-TUL-1231	5068	DBTG	FS	XRF	3.2	10560	4.9	2870
ROPER WICKSTROM 1992	CA-TUL-1231	5069	DBTG	CD	XRF	4.3	10560	4.9	4328
ROPER WICKSTROM 1992	CA-TUL-1231	5065	DBTG	FS	XRF	3.1	10560	4.9	2694
ROPER WICKSTROM 1992	CA-TUL-1231	5070	DBTG	FS	XRF	3.1	10560	4.9	2694
ROPER WICKSTROM 1992	CA-TUL-1231	5066	DBTG	FS	XRF	3.0	10560	4.9	2523
ROPER WICKSTROM 1992	CA-TUL-1231	5071	BIFACE	CS	XRF	4.2	10560	4.9	4252
ROPER WICKSTROM 1992	CA-TUL-1231	5064	DBTG	FS	XRF	3.1	10560	4.9	2694
ROPER WICKSTROM 1992	CA-TUL-1232	5074	BIFACE	CS	XRF	2.3	10240	5.2	1233
ROPER WICKSTROM 1992	CA-TUL-1235	5081	DBTG	FS	XRF	3.2	8400	6.8	2312
ROPER WICKSTROM 1992	CA-TUL-1235	5083	DBTG	FS	XRF	3.6	8400	6.8	2926
ROPER WICKSTROM 1992	CA-TUL-1235	5077	DBTG	FS	XRF	1.0	8400	6.8	226
ROPER WICKSTROM 1992	CA-TUL-1235	5078	DBTG	FS	XRF	1.0	8400	6.8	226
ROPER WICKSTROM 1992	CA-TUL-1235	5079	DBTG	FS	XRF	1.1	8400	6.8	273
ROPER WICKSTROM 1992	CA-TUL-1235	5080	DBTG	FS	XRF	3.3	8400	6.8	2459
ROPER WICKSTROM 1992	CA-TUL-1235	5081	DBTG	FS	XRF	2.2	8400	6.8	1093
ROPER WICKSTROM 1992	CA-TUL-1235	5084	DBTG	FS	XRF	3.5	8400	6.8	2766

Reference	Site	Id	Desc	Srce	Met	Rim	Elev	EHT	B.P.
ROPER WICKSTROM 1992	CA-TUL-1235	5082	DBTG	FS	XRF	1.6	8400	6.8	578
ROPER WICKSTROM 1992	CA-TUL-1237	5085	BIFACE	CS	XRF	2.6	10880	4.7	1682
ROPER WICKSTROM 1992	CA-TUL-1237	5086	BIFACE	CS	XRF	2.6	10880	4.7	1682
ROPER WICKSTROM 1992	CA-TUL-1237	5087	PRJPT	CS	XRF	2.6	10880	4.7	1682
ROPER WICKSTROM 1992	CA-TUL-1237	9999	PRJPT	CS	XRF	1.5	10880	4.7	560
ROPER WICKSTROM 1992	CA-TUL-1238	5090	BIFACE	CS	XRF	2.8	10880	4.7	1951
ROPER WICKSTROM 1992	CA-TUL-1239	5099	DBTG	CS	XRF	5.0	10840	4.7	6196
ROPER WICKSTROM 1992	CA-TUL-1239	5092	BIFACE	CS	XRF	4.1	10840	4.7	4167
ROPER WICKSTROM 1992	CA-TUL-1239	5096	DBTG	CS	XRF	4.7	10840	4.7	5475
ROPER WICKSTROM 1992	CA-TUL-1239	5091	BIFACE	CS	XRF	4.0	10840	4.7	3966
ROPER WICKSTROM 1992	CA-TUL-1239	5095	DBTG	CS	XRF	5.3	10840	4.7	6962
ROPER WICKSTROM 1992	CA-TUL-1239	5098	DBTG	CS	XRF	5.7	10840	4.7	8053
ROPER WICKSTROM 1992	CA-TUL-1239	5100	DBTG	CS	XRF	5.5	10840	4.7	7498
ROPER WICKSTROM 1992	CA-TUL-1239	5097	DBTG	CS	XRF	4.9	10840	4.7	5951
ROPER WICKSTROM 1992	CA-TUL-1240	5114	DBTG	CS	XRF	3.8	10860	4.7	3586
ROPER WICKSTROM 1992	CA-TUL-1240	5113	DBTG	CS	XRF	3.8	10860	4.7	3586
ROPER WICKSTROM 1992	CA-TUL-1240	5104	BIFACE	CS	XRF	3.1	10860	4.7	2387
ROPER WICKSTROM 1992	CA-TUL-1240	5115	EDM	CS	XRF	3.6	10860	4.7	3219
ROPER WICKSTROM 1992	CA-TUL-1240	5102	PRJPT	CS	XRF	5.9	10860	4.7	8645
ROPER WICKSTROM 1992	CA-TUL-1240	5110	DBTG	FS	XRF	3.2	10860	4.7	2943
ROPER WICKSTROM 1992	CA-TUL-1240	5107	BIFACE	FS	XRF	2.4	10860	4.7	1655
ROPER WICKSTROM 1992	CA-TUL-1240	5106	BIFACE	FS	XRF	3.1	10860	4.7	2762
ROPER WICKSTROM 1992	CA-TUL-1240	5105	BIFACE	FS	XRF	2.4	10860	4.7	1655
ROPER WICKSTROM 1992	CA-TUL-1240	5112	DBTG	CS	XRF	6.0	10860	4.7	8940
ROPER WICKSTROM 1992	CA-TUL-1240	5103	BIFACE	CD	XRF	3.8	10860	4.7	3451
ROPER WICKSTROM 1992	CA-TUL-1240	5109	DBTG	CD	XRF	1.1	10860	4.7	289
ROPER WICKSTROM 1992	CA-TUL-1240	5111	DBTG	CD	XRF	4.7	10860	4.7	5280
ROPER WICKSTROM 1992	CA-TUL-1241	5116	BIFACE	CS	XRF	2.3	10840	4.7	1311
ROPER WICKSTROM 1992	CA-TUL-1241	5117	BIFACE	CS	XRF	3.1	10840	4.7	2382
ROPER WICKSTROM 1992	CA-TUL-1241	5119	BIFACE	CS	XRF	3.4	10840	4.7	2865
ROPER WICKSTROM 1992	CA-TUL-1241	5120	BIFACE	CS	XRF	2.7	10840	4.7	1807
ROPER WICKSTROM 1992	CA-TUL-1241	5118	CORE	CS	XRF	4.0	10840	4.7	3966
ROPER WICKSTROM 1992	CA-TUL-1242	5123	DBTG	CS	XRF	7.0	10880	4.7	12192
ROPER WICKSTROM 1992	CA-TUL-1242	5128	DBTG	CS	XRF	4.9	10880	4.7	5974
ROPER WICKSTROM 1992	CA-TUL-1242	5127	DBTG	CS	XRF	6.6	10880	4.7	10839
ROPER WICKSTROM 1992	CA-TUL-1242	5126	DBTG	CS	XRF	4.6	10880	4.7	5265
ROPER WICKSTROM 1992	CA-TUL-1242	5129	EDM	CS	XRF	3.7	10880	4.7	3406
ROPER WICKSTROM 1992	CA-TUL-1249	5236-20	DBTG	CS	XRF	5.9	8560	6.7	6630
ROPER WICKSTROM 1992	CA-TUL-1249	5236-18	DBTG	CS	XRF	4.9	8560	6.7	4573
ROPER WICKSTROM 1992	CA-TUL-1249	5236-17	DBTG	CS	XRF	6.7	8560	6.7	8550
ROPER WICKSTROM 1992	CA-TUL-1249	5237	DBTG	CS	XRF	4.9	8560	6.7	4573
ROPER WICKSTROM 1992	CA-TUL-1249	5245	DBTG	CS	XRF	5.3	8560	6.7	5350
ROPER WICKSTROM 1992	CA-TUL-1249	5246	DBTG	CS	XRF	5.3	8560	6.7	5350
ROPER WICKSTROM 1992	CA-TUL-1249	5236-02	BIFACE	CS	XRF	7.1	8560	6.7	9602
ROPER WICKSTROM 1992	CA-TUL-1249	5236-02	BIFACE	CS	XRF	6.0	8560	6.7	6857
ROPER WICKSTROM 1992	CA-TUL-1249	5236-01	DBTG	CS	XRF	4.2	8560	6.7	3360
ROPER WICKSTROM 1992	CA-TUL-1249	5236-07	DBTG	CS	XRF	3.6	8560	6.7	2469
ROPER WICKSTROM 1992	CA-TUL-1249	5236-09	DBTG	CS	XRF	5.6	8560	6.7	5973
ROPER WICKSTROM 1992	CA-TUL-1249	5236-10	DBTG	CS	XRF	5.2	8560	6.7	5150
ROPER WICKSTROM 1992	CA-TUL-1249	5236-12	BIFACE	CS	XRF	3.4	8560	6.7	2202
ROPER WICKSTROM 1992	CA-TUL-1249	5236-13	DBTG	CS	XRF	3.8	8560	6.7	2750
ROPER WICKSTROM 1992	CA-TUL-1249	5236-06	DBTG	CS	XRF	3.3	8560	6.7	2074
ROPER WICKSTROM 1992	CA-TUL-1249	5236-14	DBTG	CD	XRF	3.1	8560	6.7	1908
ROPER WICKSTROM 1992	CA-TUL-1249	5242	DBTG	CS	XRF	4.4	8560	6.7	3688
ROPER WICKSTROM 1992	CA-TUL-1249	5236-04	DBTG	CS	XRF	5.8	8560	6.7	6407
ROPER WICKSTROM 1992	CA-TUL-1249	5238	DBTG	CS	XRF	5.2	8560	6.7	5150
ROPER WICKSTROM 1992	CA-TUL-1249	5236-16	DBTG	CD	XRF	4.6	8560	6.7	4202
ROPER WICKSTROM 1992	CA-TUL-1249	5243	DBTG	CS	XRF	4.9	8560	6.7	4573
ROPER WICKSTROM 1992	CA-TUL-1249	5244	DBTG	CS	XRF	4.9	8560	6.7	4573
ROPER WICKSTROM 1992	CA-TUL-1249	5240	DBTG	CS	XRF	5.4	8560	6.7	5554
ROPER WICKSTROM 1992	CA-TUL-1249	5236-10	DBTG	CD	XRF	2.2	8560	6.7	961
ROPER WICKSTROM 1992	CA-TUL-1250	5251	DBTG	CS	XRF	2.5	8500	6.7	1181
ROPER WICKSTROM 1992	CA-TUL-1250	5252	DBTG	CS	XRF	2.8	8500	6.7	1481
ROPER WICKSTROM 1992	CA-TUL-1250	5253	DBTG	CS	XRF	4.4	8500	6.7	3658
ROPER WICKSTROM 1992	CA-TUL-1250	5254	DBTG	FS	XRF	2.3	8500	6.7	1208

Reference	Site	Id	Desc	Srce	Met	Rim	Elev	EHT	B.P.
ROPER WICKSTROM 1992	CA-TUL-1250	5250	DBTG	CS	XRF	2.9	8500	6.7	1589
ROPER WICKSTROM 1992	CA-TUL-1250	5249-01	DBTG	CS	XRF	5.2	8500	6.7	5108
ROPER WICKSTROM 1992	CA-TUL-1250	5249-01	DBTG	CS	XRF	1.5	8500	6.7	425
ROPER WICKSTROM 1992	CA-TUL-1252	5257	DBTG	FS	XRF	3.4	8560	6.7	2659
ROPER WICKSTROM 1992	CA-TUL-1252	5255-04	BIFACE	FS	XRF	4.5	8560	6.7	4657
ROPER WICKSTROM 1992	CA-TUL-1252	5260	DBTG	CS	XRF	4.6	8560	6.7	4030
ROPER WICKSTROM 1992	CA-TUL-1252	5259	DBTG	CS	XRF	3.9	8560	6.7	2897
ROPER WICKSTROM 1992	CA-TUL-1252	5256	DBTG	CS	XRF	3.6	8560	6.7	2469
ROPER WICKSTROM 1992	CA-TUL-1252	5255-03	DBTG	CS	XRF	4.9	8560	6.7	4573
ROPER WICKSTROM 1992	CA-TUL-1252	5255-02	DBTG	CS	XRF	3.9	8560	6.7	2897
ROPER WICKSTROM 1992	CA-TUL-1252	5255-02	DBTG	CS	XRF	2.5	8560	6.7	1190
ROPER WICKSTROM 1992	CA-TUL-1252	5255-01	DBTG	CS	XRF	1.6	8560	6.7	488
ROPER WICKSTROM 1992	CA-TUL-1253	5266	DBTG	CS	XRF	1.6	8720	6.5	498
ROPER WICKSTROM 1992	CA-TUL-1253	5267	DBTG	CD	XRF	1.6	8720	6.5	516
ROPER WICKSTROM 1992	CA-TUL-1253	5262-03	DBTG	CD	XRF	1.4	8720	6.5	395
ROPER WICKSTROM 1992	CA-TUL-1253	5262-01	DBTG	CS	XRF	5.4	8720	6.5	5675
ROPER WICKSTROM 1992	CA-TUL-1253	5262-02	DBTG	CS	XRF	5.4	8720	6.5	5675
ROPER WICKSTROM 1992	CA-TUL-1253	5262-05	DBTG	CS	XRF	3.9	8720	6.5	2960
ROPER WICKSTROM 1992	CA-TUL-1253	5264	DBTG	CS	XRF	3.4	8720	6.5	2250
ROPER WICKSTROM 1992	CA-TUL-1253	5262-04	DBTG	CD	XRF	3.6	8720	6.5	2612
ROPER WICKSTROM 1992	CA-TUL-1253	5263	DBTG	CS	XRF	1.1	8720	6.5	235
ROPER WICKSTROM 1992	CA-TUL-1262	5305	PRJPT	FS	XRF	2.1	11240	4.5	1306
ROPER WICKSTROM 1992	CA-TUL-1263	5310-01	DBTG	FS	XRF	3.6	11520	4.3	3921
ROPER WICKSTROM 1992	CA-TUL-1263	5310-05	BIFACE	FS	XRF	3.6	11520	4.3	3921
ROPER WICKSTROM 1992	CA-TUL-1263	5310-04	BIFACE	FS	XRF	3.7	11520	4.3	4142
ROPER WICKSTROM 1992	CA-TUL-1263	5308	BIFACE	CD	XRF	3.0	11520	4.3	2245
ROPER WICKSTROM 1992	CA-TUL-1263	5309	BIFACE	CD	XRF	1.3	11520	4.3	422
ROPER WICKSTROM 1992	CA-TUL-1264	5311-04	DBTG	CS	XRF	7.8	11440	4.3	15948
ROPER WICKSTROM 1992	CA-TUL-1264	5311-14	DBTG	FS	XRF	3.5	11440	4.3	3684
ROPER WICKSTROM 1992	CA-TUL-1264	5311-08	DBTG	CS	XRF	5.2	11440	4.3	7088
ROPER WICKSTROM 1992	CA-TUL-1264	5311-02	DBTG	CS	XRF	5.3	11440	4.3	7363
ROPER WICKSTROM 1992	CA-TUL-1264	5311-03	DBTG	CS	XRF	5.2	11440	4.3	7088
ROPER WICKSTROM 1992	CA-TUL-1264	5311-15	DBTG	FS	XRF	4.7	11440	4.3	6644
ROPER WICKSTROM 1992	CA-TUL-1264	5311-06	DBTG	FS	XRF	2.9	11440	4.3	2529
ROPER WICKSTROM 1992	CA-TUL-1264	5311-07	DBTG	CS	XRF	4.0	11440	4.3	4194
ROPER WICKSTROM 1992	CA-TUL-1264	5311-09	BIFACE	CS	XRF	5.7	11440	4.3	8517
ROPER WICKSTROM 1992	CA-TUL-1264	5311-13	DBTG	CD	XRF	5.5	11440	4.3	7508
ROPER WICKSTROM 1992	CA-TUL-1264	5311-12	DBTG	CD	XRF	5.5	11440	4.3	7508
ROPER WICKSTROM 1992	CA-TUL-1264	5311-05	DBTG	CD	XRF	4.1	11440	4.3	4172
ROPER WICKSTROM 1992	CA-TUL-1264	5311-01	DBTG	CD	XRF	5.5	11440	4.3	7508
ROPER WICKSTROM 1992	CA-TUL-1264	5311-10	DBTG	CS	XRF	5.1	11440	4.3	6818
ROPER WICKSTROM 1992	CA-TUL-1265	5312-02	DBTG	FS	XRF	3.8	11400	4.3	4330
ROPER WICKSTROM 1992	CA-TUL-1265	5319	BIFACE	FS	XRF	6.0	11400	4.3	10795
ROPER WICKSTROM 1992	CA-TUL-1265	5317	BIFACE	FS	XRF	5.2	11400	4.3	8108
ROPER WICKSTROM 1992	CA-TUL-1265	5312-01	BIFACE	FS	XRF	2.6	11400	4.3	2027
ROPER WICKSTROM 1992	CA-TUL-1265	5312-05	DBTG	FS	XRF	3.4	11400	4.3	3466
ROPER WICKSTROM 1992	CA-TUL-1265	5312-09	DBTG	CS	XRF	6.7	11400	4.3	11725
ROPER WICKSTROM 1992	CA-TUL-1265	5312-07	DBTG	FS	XRF	3.7	11400	4.3	4105
ROPER WICKSTROM 1992	CA-TUL-1265	5317	BIFACE	FS	XRF	4.3	11400	4.3	5544
ROPER WICKSTROM 1992	CA-TUL-1265	5316	PRJPT	FS	XRF	5.1	11400	4.3	7799
ROPER WICKSTROM 1992	CA-TUL-1265	5312-03	DBTG	CS	XRF	3.7	11400	4.3	3576
ROPER WICKSTROM 1992	CA-TUL-1265	5312-04	DBTG	CD	XRF	3.8	11400	4.3	3575
ROPER WICKSTROM 1992	CA-TUL-1265	5312-06	DBTG	CS	XRF	4.6	11400	4.3	5527
ROPER WICKSTROM 1992	CA-TUL-304	5274	DBTG	CS	XRF	2.0	8499	6.7	756
ROPER WICKSTROM 1992	CA-TUL-304	5272	DBTG	FS	XRF	2.3	8499	6.7	1208
ROPER WICKSTROM 1992	CA-TUL-304	5275	PRJPT	CS	XRF	1.5	8499	6.7	425
ROPER WICKSTROM 1992	CA-TUL-304	5273	DBTG	CS	XRF	4.3	8499	6.7	3493
ROPER WICKSTROM 1992	CA-TUL-304	5271	DBTG	CS	XRF	1.7	8499	6.7	546
ROPER WICKSTROM 1992	CA-TUL-304	5269-04	DBTG	CS	XRF	3.4	8499	6.7	2184
ROPER WICKSTROM 1992	CA-TUL-304	5269-01	DBTG	CS	XRF	3.8	8499	6.7	2728
ROPER WICKSTROM 1992	CA-TUL-304	5270	DBTG	CS	XRF	3.4	8499	6.7	2184
ROPER WICKSTROM 1992	CA-TUL-304	5277	PRJPT	FS	XRF	1.9	8499	6.7	825
ROPER WICKSTROM 1992	CA-TUL-304	5269-03	DBTG	CS	XRF	2.6	8499	6.7	1277
YORK 1988	CA-INY-3448	322A	DBTG	CD	XRF	6.4	8120	8.2	7081
YORK 1988	CA-INY-3448	322AB	DBTG	CD	XRF	5.9	8120	8.2	6018

Reference	Site	Id	Desc	Srce	Met	Rim	Elev	EHT	B.P.
YORK 1988	CA-INY-3448	315A	DBTG	CD	XRF	5.0	8120	8.2	4322
YORK 1988	CA-INY-3448	318A	DBTG	CD	XRF	6.6	8120	8.2	7531
YORK 1988	CA-INY-3448	322C	DBTG	CD	XRF	5.7	8120	8.2	5617
YORK 1988	CA-INY-3448	322AC	DBTG	CD	XRF	2.5	8120	8.2	1080
YORK 1988	CA-INY-3448	322E	DBTG	CD	XRF	5.2	8120	8.2	4675
YORK 1988	CA-INY-3448	306A	DBTG	CD	XRF	6.3	8120	8.2	6862
YORK 1988	CA-INY-3448	322AH	DBTG	FS	XRF	1.3	8120	8.2	329
YORK 1988	CA-INY-3448	322AF	DBTG	FS	XRF	1.3	8120	8.2	329
YORK 1988	CA-INY-3458	95	DBTG	CD	XRF	4.8	9730	6.2	4805

Note: Id=identifier (acc. no. or OH lab no.), Desc=Description, Srce=Obsidian Source, Met=Sourcing method, Rim=Hydration rim measurement, Elev=Elevation, EHT=Calculated Effective Hydration Temperature, B.P.=Calculated Years B.P., DBTG=Debitage, PRJPT=Projectile point, EDM=Edge-modified flake, VIS=Visual Sourcing, XRF=X-ray

Appendix E

ARTIFACT CATALOG

Artifact Catalog

SITE	CAT NO	LOT	FEAT	COLL	UNIT	UNIT SZ	SCR	LEVEL	DESC	MTRL	COND	NUM	WT	STRAT	COMM	PROJECT
CA-FRE-3095	18453	1		SUR	SW QUAD			SUR	DBTG	OBS		1	2.1			PILOT STUDY
CA-FRE-3095	18454	1		SUR	NW QUAD			SUR	DBTG	OBS		1	3.7			PILOT STUDY
CA-FRE-3095	18455	1		SUR	NE QUAD			SUR	DBTG	OBS		1	3.7			PILOT STUDY
CA-FRE-3095	18456	1		SUR	SE QUAD			SUR	DBTG	OBS		1	1.3			PILOT STUDY
CA-FRE-3098	18457	1		SUR	NW QUAD			SUR	DBTG	OBS		1	1.5			PILOT STUDY
CA-FRE-3098	18458	1		SUR	NW QUAD			SUR	DBTG	OBS		1	0.4			PILOT STUDY
CA-FRE-3098	18459	1		SUR	NW QUAD			SUR	DBTG	OBS		1	0.4			PILOT STUDY
CA-FRE-3098	18460	1		SUR	NE QUAD			SUR	FLKTL	OBS	WHL	1	2.0			PILOT STUDY
CA-FRE-3098	18461	1		SUR	NE QUAD			SUR	DBTG	OBS		1	5.9			PILOT STUDY
CA-FRE-3098	18462	1		SUR	NE QUAD			SUR	DBTG	OBS		1	0.4			PILOT STUDY
CA-FRE-3098	18463	1		SUR	SW QUAD			SUR	FLKTL	OBS	WHL	1	3.2			PILOT STUDY
CA-FRE-3098	18464	1		SUR	SW QUAD			SUR	DBTG	OBS		1	4.9			PILOT STUDY
CA-FRE-3098	18465	1		SUR	SW QUAD			SUR	DBTG	OBS		1	2.2			PILOT STUDY
CA-FRE-3098	18466	1		SUR	SE QUAD			SUR	DBTG	OBS		1	0.9			PILOT STUDY
CA-FRE-3098	18467	1		SUR	SE QUAD			SUR	DBTG	OBS		1	4.1			PILOT STUDY
CA-FRE-3098	18468	1		SUR	SE QUAD			SUR	DBTG	OBS		1	1.0			PILOT STUDY
CA-FRE-3098	18469	1		SUR	NW QUAD			SUR	DBTG	OBS		1	1.8			PILOT STUDY
CA-FRE-3098	18470	1		SUR	NW QUAD			SUR	DBTG	OBS		1	1.4			PILOT STUDY
CA-FRE-3098	18471	1		SUR	NW QUAD			SUR	DBTG	OBS		1	15.2			PILOT STUDY
CA-FRE-3098	18472	1		SUR	NE QUAD			SUR	DBTG	OBS		1	3.0			PILOT STUDY
CA-FRE-3098	18473	1		SUR	NE QUAD			SUR	DBTG	OBS		1	0.6			PILOT STUDY
CA-FRE-3098	18474	1		SUR	NE QUAD			SUR	DBTG	OBS		1	2.6			PILOT STUDY
CA-FRE-3098	18475	1		SUR	SW QUAD			SUR	DBTG	OBS		1	1.2			PILOT STUDY
CA-FRE-3098	18476	1		SUR	SW QUAD			SUR	DBTG	OBS		1	1.5			PILOT STUDY
CA-FRE-3098	18477	1		SUR	SW QUAD			SUR	DBTG	OBS		1	0.4			PILOT STUDY
CA-FRE-3098	18478	1		SUR	SE QUAD			SUR	FLKTL	OBS	WHL	1	2.0			PILOT STUDY
CA-FRE-3098	18479	1		SUR	SE QUAD			SUR	DBTG	OBS		1	2.6			PILOT STUDY
CA-FRE-3098	18480	1		SUR	SE QUAD			SUR	DBTG	OBS		1	2.1			PILOT STUDY
CA-FRE-3099	18481	1		SUR	NW QUAD			SUR	DBTG	OBS		1	1.5			PILOT STUDY
CA-FRE-3099	18482	1		SUR	NW QUAD			SUR	DBTG	OBS		1	2.4			PILOT STUDY
CA-FRE-3099	18483	1		SUR	NW QUAD			SUR	DBTG	OBS		1	1.0			PILOT STUDY
CA-FRE-3099	18484	1		SUR	NE QUAD			SUR	DBTG	OBS		1	2.2			PILOT STUDY
CA-FRE-3099	18485	1		SUR	NE QUAD			SUR	DBTG	OBS		1	0.1			PILOT STUDY
CA-FRE-3099	18486	1		SUR	NE QUAD			SUR	DBTG	OBS		1	2.0			PILOT STUDY
CA-FRE-3099	18487	1		SUR	SW QUAD			SUR	DBTG	OBS		1	12.0			PILOT STUDY
CA-FRE-3099	18488	1		SUR	SW QUAD			SUR	DBTG	OBS		1	1.7			PILOT STUDY
CA-FRE-3099	18489	1		SUR	SW QUAD			SUR	DBTG	OBS		1	0.8			PILOT STUDY

SITE	CAT NO	LOT	FEAT	COLL	UNIT	UNIT SZ	SCR	LEVEL	DESC	MTRL	COND	NUM	WT	STRAT	COMM	PROJECT
CA-FRE-3099	18490	1		SUR	SE QUAD			SUR	DBTG	OBS		1	0.2			PILOT STUDY
CA-FRE-3099	18491	1		SUR	SE QUAD			SUR	DBTG	OBS		1	0.8			PILOT STUDY
CA-FRE-3099	18492	1		SUR	SE QUAD			SUR	DBTG	OBS		1	1.3			PILOT STUDY
CA-FRE-3102	18493	1		SUR				SUR	BIFACE	OBS	END	1	7.7			FIELD WORK
CA-FRE-3102	18494	1		SUR				SUR	FLKTL	OBS	MED	1	1.2			FIELD WORK
CA-FRE-3102	18495	1		SUR					BIFACE	OBS	WHL	1	11.4			FIELD WORK
CA-FRE-3102	18496	1		SUR				SUR	CORE	OBS	FRG	1	16.5			FIELD WORK
CA-FRE-3102	18497	1		SUR				SUR	BIFACE	OBS	WHL	1	7.7			FIELD WORK
CA-FRE-3102	18498	1		SUR				SUR	BIFACE	OBS	MED	1	6.3			FIELD WORK
CA-FRE-3102	18499	1		SUR					DRILL	OBS	WHL	1	1.9			FIELD WORK
CA-FRE-3102	18500	1		SUR					FLKTL	OBS	WHL	1	5.3			FIELD WORK
CA-FRE-3102	18501	1		SUR				SUR	BIFACE	OBS	MED	1	13.9			FIELD WORK
CA-FRE-3102	18502	1		SUR				SUR	BIFACE	OBS	MRG	1	0.3			FIELD WORK
CA-FRE-3102	18503	1		SUR	N0/W10	0.5X0.5		SUR	DBTG	OBS		95	39.7			FIELD WORK
CA-FRE-3102	18504	1		SUR	N0/W30	0.5X0.5		SUR	DBTG	OBS		40	6.8			FIELD WORK
CA-FRE-3102	18505	1		SUR	S20/E10	0.5X0.5		SUR	DBTG	OBS		35	9.5			FIELD WORK
CA-FRE-3104	18506	1		SUR				SUR	BIFACE	OBS	WHL	1	8.5		E 1/2 OF RECT FEAT	PILOT STUDY
CA-FRE-3104	18507	1		SUR				SUR	DBTG	OBS		1	1.3		E 1/2 OF RECT FEAT	PILOT STUDY
CA-FRE-3104	18508	1		SUR				SUR	DBTG	OBS		1	22.7		E 1/2 OF RECT FEAT	PILOT STUDY
CA-FRE-3104	18509	1		SUR				SUR	DBTG	OBS		1	0.3		E 1/2 OF RECT FEAT	PILOT STUDY
CA-FRE-3104	18510	1		SUR				SUR	DBTG	OBS		1	2.3		E 1/2 OF RECT FEAT	PILOT STUDY
CA-FRE-3104	18511	1		SUR				SUR	DBTG	OBS		1	2.1			PILOT STUDY
CA-FRE-3104	18512	1		SUR				SUR	DBTG	OBS		1	1.3			PILOT STUDY
CA-FRE-3104	18513	1		SUR				SUR	DBTG	OBS		1	0.4			PILOT STUDY
CA-FRE-3104	18514	1		SUR				SUR	DBTG	OBS		1	5.6			PILOT STUDY
CA-FRE-3104	18515	1		SUR				SUR	DBTG	OBS		1	2.2			PILOT STUDY
CA-FRE-3104	18516	10		EXC	TP #2	0.25X0.25	1/4	10-20	DBTG	OBS		1	0.8			PILOT STUDY
CA-FRE-3104	18517	10		EXC	TP #2	0.25X0.25	1/4	10-20	DBTG	OBS		1	0.7			PILOT STUDY
CA-FRE-3105	18518	1	5	SUR				SUR	PRJPT	OBS	PRX	1	0.1		DSN	FIELD WORK
CA-FRE-3105	18519	10	5	EXC	F5UNIT 1	0.5X0.5	1/8	0-10	DBTG	OBS		27	1.2		WEST 15CM	FIELD WORK
CA-FRE-3105	18520	10	5	EXC	F5UNIT 1	0.5X0.5	1/8	0-10	C14SAMP			0	1.3			FIELD WORK
CA-FRE-3105	18521	10	5	EXC	F5UNIT 1	0.5X0.5	1/8	0-10	DBTG	OBS		18	0.5	1	EAST 35CM	FIELD WORK
CA-FRE-3105	18522	10	5	EXC	F5UNIT 1	0.5X0.5	1/8	0-10	DBTG	OBS		31	1.5	2	EAST 35CM	FIELD WORK
CA-FRE-3105	18523	10	5	EXC	F5UNIT 1	0.5X0.5	1/8	0-10	C14SAMP			0	2.4	2	EAST 35CM	FIELD WORK
CA-FRE-3105	18524	10	5	EXC	F5UNIT 1	0.5X0.5	1/8	10-20	DBTG	OBS		45	2.5		WEST 15CM	FIELD WORK
CA-FRE-3105	18525	10	5	EXC	F5UNIT 1	0.5X0.5	1/8	10-20	DBTG	CCR		1	0.1		WEST 15CM	FIELD WORK
CA-FRE-3105	18526	10	5	EXC	F5UNIT 1	0.5X0.5	1/8	10-20	BONE			1	0.2		WEST 15CM	FIELD WORK
CA-FRE-3105	18527	10	5	EXC	F5UNIT 1	0.5X0.5	1/8	10-20	C14SAMP			0	5.1		WEST 15CM	FIELD WORK
CA-FRE-3105	18528	10	5	EXC	F5UNIT 1	0.5X0.5	1/8	10-20	DBTG	OBS		43	1.8	2	EAST 35CM	FIELD WORK
CA-FRE-3105	18529	10	5	EXC	F5UNIT 1	0.5X0.5	1/8	10-20	BONE			1	0.1	2	EAST 35CM	FIELD WORK
CA-FRE-3105	18530	10	5	EXC	F5UNIT 1	0.5X0.5	1/8	10-20	C14SAMP			0	2.6	2	EAST 35CM	FIELD WORK
CA-FRE-3105	18531	10	5	EXC	F5UNIT 1	0.5X0.5	1/8	10-20	BIFACE	OBS	MRG	1	0.1	3	EAST 35CM	FIELD WORK
CA-FRE-3105	18532	10	5	EXC	F5UNIT 1	0.5X0.5	1/8	10-20	DBTG	OBS		132	6.9	3	EAST 35CM	FIELD WORK

SITE	CAT NO	LOT	FEAT	COLL	UNIT	UNIT SZ	SCR	LEVEL	DESC	MTRL	COND	NUM	WT	STRAT	COMM	PROJECT
CA-FRE-3105	18533	10	5	EXC	F5UNIT 1	0.5X0.5	1/8	10-20	DBTG	CCR		10	0.3	3	EAST 35CM	FIELD WORK
CA-FRE-3105	18534	10	5	EXC	F5UNIT 1	0.5X0.5	1/8	10-20	BONE			16	0.8	3	EAST 35CM	FIELD WORK
CA-FRE-3105	18535	10	5	EXC	F5UNIT 1	0.5X0.5	1/8	10-20	C14SAMP			0	15.0	3	EAST 35CM	FIELD WORK
CA-FRE-3105	18536	10	5	EXC	F5UNIT 1	0.5X0.5	1/8	20-30	DBTG	OBS		7	1.1	3	EAST 35CM	FIELD WORK
CA-FRE-3105	18537	10	5	EXC	F5UNIT 1	0.5X0.5	1/8	20-30	BONE			1	0.1	3	EAST 35CM	FIELD WORK
CA-FRE-3105	18538	10	5	EXC	F5UNIT 1	0.5X0.5	1/8	20-30	C14SAMP			0	0.2	3	EAST 35CM	FIELD WORK
CA-FRE-3105	18539	10	6	EXC	F5UNIT 1	0.5X0.5	1/8	20-30	DBTG	OBS		14	0.4		FEAT 5A FILL	FIELD WORK
CA-FRE-3105	18540	10	6	EXC	F5UNIT 1	0.5X0.5	1/8	20-30	C14SAMP			0	2.0		FEAT 5A FILL	FIELD WORK
CA-FRE-3105	18541	10	1	EXC	F1UNIT 1	0.5X0.5	1/8	0-10	PRJPT	OBS	PRX	1	0.2	1	TIP IN STRAT 2	FIELD WORK
CA-FRE-3105	18542	10	1	EXC	F1UNIT 1	0.5X0.5	1/8	0-10	FLKTL	OBS	WHL	1	2.3	1		FIELD WORK
CA-FRE-3105	18543	10	1	EXC	F1UNIT 1	0.5X0.5	1/8	0-10	FLKTL	OBS	WHL	1	1.2	1		FIELD WORK
CA-FRE-3105	18544	10	1	EXC	F1UNIT 1	0.5X0.5	1/8	0-10	DBTG	OBS		82	5.6	1		FIELD WORK
CA-FRE-3105	18545	10	1	EXC	F1UNIT 1	0.5X0.5	1/8	0-10	DBTG	CCR		2	0.1	1		FIELD WORK
CA-FRE-3105	18546	10	1	EXC	F1UNIT 1	0.5X0.5	1/8	0-10	C14SAMP			0	1.8	1		FIELD WORK
CA-FRE-3105	18547	10	1	EXC	F1UNIT 1	0.5X0.5	1/8	0-10	PRJPT	CCR	NC	1	0.1	2		FIELD WORK
CA-FRE-3105	18548	10	1	EXC	F1UNIT 1	0.5X0.5	1/8	0-10	PRJPT	OBS	DST	1	0.1	2	TIP OF CAT 18541	FIELD WORK
CA-FRE-3105	18549	10	1	EXC	F1UNIT 1	0.5X0.5	1/8	0-10	BIFACE	OBS	FRG	1	0.1	2		FIELD WORK
CA-FRE-3105	18550	10	1	EXC	F1UNIT 1	0.5X0.5	1/8	0-10	BIFACE	OBS	MED	1	0.1	2		FIELD WORK
CA-FRE-3105	18551	10	1	EXC	F1UNIT 1	0.5X0.5	1/8	0-10	DBTG	OBS		65	2.9	2		FIELD WORK
CA-FRE-3105	18552	10	1	EXC	F1UNIT 1	0.5X0.5	1/8	0-10	DBTG	CCR		3	0.1	2		FIELD WORK
CA-FRE-3105	18553	10	1	EXC	F1UNIT 1	0.5X0.5	1/8	0-10	C14SAMP			0	6.1	2		FIELD WORK
CA-FRE-3105	18554	10	1	EXC	F1UNIT 1	0.5X0.5	1/8	10-20	DBTG	OBS		50	3.4	3		FIELD WORK
CA-FRE-3105	18555	10	1	EXC	F1UNIT 1	0.5X0.5	1/8	10-20	DBTG	CCR		3	1.4	3		FIELD WORK
CA-FRE-3105	18556	10	1	EXC	F1UNIT 1	0.5X0.5	1/8	10-20	C14SAMP			0	11.1	3		FIELD WORK
CA-FRE-3105	18557	10	1	EXC	F1UNIT 1	0.5X0.5	1/8	20-25	DBTG	OBS		20	1.2	3		FIELD WORK
CA-FRE-3105	18558	10	1	EXC	F1UNIT 2	0.5X0.5	1/8	0-10	DBTG	OBS		22	1.3	1		FIELD WORK
CA-FRE-3105	18559	10	1	EXC	F1UNIT 2	0.5X0.5	1/8	0-10	DBTG	CCR		1	0.1	1		FIELD WORK
CA-FRE-3105	18560	10	1	EXC	F1UNIT 2	0.5X0.5	1/8	0-10	DBTG	QTZ		2	0.4	1		FIELD WORK
CA-FRE-3105	18561	10	1	EXC	F1UNIT 2	0.5X0.5	1/8	0-10	C14SAMP			0	1.6	1		FIELD WORK
CA-FRE-3105	18562	10	1	EXC	F1UNIT 2	0.5X0.5	1/8	0-10	DBTG	OBS		5	0.7	2		FIELD WORK
CA-FRE-3105	18563	10	1	EXC	F1UNIT 2	0.5X0.5	1/8	0-10	C14SAMP			0	0.8	2		FIELD WORK
CA-FRE-3105	18564	10	8	EXC	F1UNIT 2	0.5X0.5	1/8	0-10	DBTG	OBS		3	0.2		FEAT 1B MATRIX	FIELD WORK
CA-FRE-3105	18565	10	1	EXC	F1UNIT 2	0.5X0.5	1/8	10-20	DBTG	OBS		6	0.1	2		FIELD WORK
CA-FRE-3105	18566	10	1	EXC	F1UNIT 2	0.5X0.5	1/8	10-20	C14SAMP			0	4.0	2		FIELD WORK
CA-FRE-3105	18567	10	1	EXC	F1UNIT 2	0.5X0.5	1/8	10-20	BIFACE	OBS	DST	1	0.1	3		FIELD WORK
CA-FRE-3105	18568	10	1	EXC	F1UNIT 2	0.5X0.5	1/8	10-20	DBTG	OBS		11	1.0	3		FIELD WORK
CA-FRE-3105	18569	10	1	EXC	F1UNIT 2	0.5X0.5	1/8	10-20	C14SAMP			0	5.5	3		FIELD WORK
CA-FRE-3105	18570	1		SUR					FLKTL	CCR	DST	1	2.0			FIELD WORK
CA-FRE-3105	18571	1		SUR					SHERD	STE	FRG	1	35.9			FIELD WORK
CA-FRE-3105	18572	1		SUR					PRJPT	OBS	WHL	1	0.0		ARTIFACT K, 101-2	SURVEY
CA-FRE-3105	18573	1		SUR					PRJPT	OBS	PRX	1	0.0		ARTIFACT V, 101-4	SURVEY
CA-FRE-3105	18574	1		SUR					PRJPT	OBS	PRX	1	0.0		ARTIFACT D, 101-1	SURVEY
CA-FRE-3105	18575	1		SUR					PRJPT	OBS	PRX	1	0.0		ARTIFACT O, 101-3	SURVEY

SITE	CAT NO	LOT	FEAT	COLL	UNIT	UNIT SZ	SCR	LEVEL	DESC	MTRL	COND	NUM	WT	STRAT	COMM	PROJECT
CA-FRE-3105	18576	1	5	SUR					PRJPT	OBS	PRX	1	0.2		601-1	SURVEY
CA-FRE-3105	18577	1	5	SUR					PRJPT	OBS	MED	1	0.6		601-2	SURVEY
CA-FRE-3105	18578	1		SUR					PRJPT	OBS	DST	1	2.1		601-3	SURVEY
CA-FRE-3105	18579	1		SUR					PRJPT	OBS	PRX	1	1.6		601-4	SURVEY
CA-FRE-3105	18580	1		SUR					PRJPT	CCR	NC	1	0.0		ARTIFACT R	SURVEY
CA-FRE-3105	18581	1		SUR					DRILL	OBS	WHL	1	0.0			SURVEY
CA-FRE-3105	18582	1	1	SUR				SUR	DBTG	OBS		1	1.5			PILOT STUDY
CA-FRE-3105	18583	1	1	SUR				SUR	DBTG	OBS		1	0.2			PILOT STUDY
CA-FRE-3105	18584	1	1	SUR				SUR	DBTG	OBS		1	0.7			PILOT STUDY
CA-FRE-3105	18585	1	1	SUR				SUR	DBTG	OBS		1	0.7			PILOT STUDY
CA-FRE-3105	18586	1	1	SUR				SUR	DBTG	OBS		1	0.5			PILOT STUDY
CA-FRE-3105	18587	1	5	SUR				SUR	DBTG	OBS		1	1.9			PILOT STUDY
CA-FRE-3105	18588	1	5	SUR				SUR	DBTG	OBS		1	0.5			PILOT STUDY
CA-FRE-3105	18589	1	5	SUR				SUR	DBTG	OBS		1	0.3			PILOT STUDY
CA-FRE-3105	18590	1	5	SUR				SUR	DBTG	OBS		1	0.3			PILOT STUDY
CA-FRE-3105	18591	1	5	SUR				SUR	DBTG	OBS		1	0.2			PILOT STUDY
CA-FRE-3105	18592	1	1	SUR					SHERD	STE		1	87.5			SURVEY
CA-FRE-3105	18593	1		SUR					BEAD	GLS	WHL	1	0.2		BLUE HEX, N	SURVEY
CA-FRE-3105	18594	1		SUR					BEAD	GLS	WHL	1	0.2		BLUE HEX, Q	SURVEY
CA-FRE-3105	18595	1	1	SUR					SHERD	STE		1	14.7			SURVEY
CA-FRE-3105	18596	10	1	EXC	F1UNIT 1	0.5X0.5	1/8	0-10	DBTG	CCR		1	0.1	1		FIELD WORK
CA-FRE-3105	18597	10	1	EXC	F1UNIT 1	0.5X0.5	1/8	0-10	DBTG	CCR		2	0.1	2		FIELD WORK
CA-FRE-3105	18598	10	1	EXC	F1UNIT 1	0.5X0.5	1/8	10-20	DBTG	CCR		1	0.1	3		FIELD WORK
CA-FRE-3105	18599	10	1	EXC	F1UNIT 1	0.5X0.5	1/8	10-20	DBTG	CCR		1	0.1	3		FIELD WORK
CA-FRE-3105	18600	1	5	EXC	F5UNIT 1	0.5X0.5		3-13	FLOTSAMP			1	61.8		FLOT #1	FIELD WORK
CA-FRE-3105	18601	1	5A	EXC	F5UNIT 1	0.5X0.5			FLOTSAMP			1	25.1		FLOT #2	FIELD WORK
CA-FRE-3105	18602	1	1A	EXC	F1UNIT 1	0.5X0.5		10-20	FLOTSAMP			1	48.8	3	FLOT #3	FIELD WORK
CA-FRE-3105	18603	1	1B	EXC	F1UNIT 2	0.5X0.5		0-10	FLOTSAMP			1	41.8	2	FLOT #4	FIELD WORK
CA-FRE-3106	18604	1		SUR					PRJPT	OBS	PRX	1	0.0		101-5	SURVEY
CA-FRE-3106	18605	1		SUR					PRJPT	OBS	MED	1	0.0		101-6	SURVEY
CA-FRE-3107	18606	1		SUR					PRJPT	OBS	NC	1	1.1		ARTIFACT 4, 601-5	SURVEY
CA-FRE-3159	18607	1		SUR					PRJPT	OBS	PRX	1	0.0		101-7	SURVEY
CA-FRE-3160	18608	1		SUR				SUR	BIFACE	OBS	END	1	2.2			FIELD WORK
CA-FRE-3160	18609	1		SUR					FLKTL	IGN	WHL	1	52.4			FIELD WORK
CA-FRE-3160	18610	1		SUR				SUR	PRJPT	OBS	PRX	1	4.2			FIELD WORK
CA-FRE-3160	18611	1		SUR				SUR	FRMFLKTL	OBS	WHL	1	5.2			FIELD WORK
CA-FRE-3160	18612	1		SUR				SUR	DBTG	OBS		1	11.8			FIELD WORK
CA-FRE-3160	18613	1		SUR					CORE	OBS	FRG	1	11.9			FIELD WORK
CA-FRE-3160	18614	1		SUR	N5/W10	0.5X0.5		SUR	DBTG	OBS		20	17.5			FIELD WORK
CA-FRE-3160	18615	1		SUR	N4.5/E5	0.5X0.5		SUR	DBTG	OBS		15	11.4			FIELD WORK
CA-FRE-3160	18616	1		SUR	S7.5/W40	0.5X0.5		SUR	DBTG	OBS		8	7.7			FIELD WORK
CA-FRE-3160	18617	1		SUR	NW QUAD			SUR	DBTG	OBS		1	1.3			PILOT STUDY
CA-FRE-3160	18618	1		SUR	NW QUAD			SUR	DBTG	OBS		1	1.1			PILOT STUDY

SITE	CAT NO	LOT	FEAT	COLL	UNIT	UNIT SZ	SCR	LEVEL	DESC	MTRL	COND	NUM	WT	STRAT	COMM	PROJECT
CA-FRE-3160	18619	1		SUR	NW QUAD			SUR	DBTG	OBS		1	2.3			PILOT STUDY
CA-FRE-3160	18620	1		SUR	NW QUAD			SUR	DBTG	OBS		1	2.9			PILOT STUDY
CA-FRE-3160	18621	1		SUR	NW QUAD			SUR	DBTG	OBS		1	3.2			PILOT STUDY
CA-FRE-3160	18622	1		SUR	NE QUAD			SUR	DBTG	OBS		1	4.2			PILOT STUDY
CA-FRE-3160	18623	1		SUR	NE QUAD			SUR	DBTG	OBS		1	3.5			PILOT STUDY
CA-FRE-3160	18624	1		SUR	NE QUAD			SUR	DBTG	OBS		1	0.6			PILOT STUDY
CA-FRE-3160	18625	1		SUR	NE QUAD			SUR	DBTG	OBS		1	1.3			PILOT STUDY
CA-FRE-3160	18626	1		SUR	NE QUAD			SUR	DBTG	OBS		1	0.9			PILOT STUDY
CA-FRE-3160	18627	1		SUR	SW QUAD			SUR	DBTG	OBS		1	1.0			PILOT STUDY
CA-FRE-3160	18628	1		SUR	SW QUAD			SUR	DBTG	OBS		1	4.1			PILOT STUDY
CA-FRE-3160	18629	1		SUR	SW QUAD			SUR	DBTG	OBS		1	0.5			PILOT STUDY
CA-FRE-3160	18630	1		SUR	SW QUAD			SUR	DBTG	OBS		1	1.3			PILOT STUDY
CA-FRE-3160	18631	1		SUR	SW QUAD			SUR	DBTG	OBS		1	2.8			PILOT STUDY
CA-FRE-3160	18632	1		SUR	SE QUAD			SUR	DBTG	OBS		1	3.7			PILOT STUDY
CA-FRE-3160	18633	1		SUR	SE QUAD			SUR	DBTG	OBS		1	0.3			PILOT STUDY
CA-FRE-3160	18634	1		SUR	SE QUAD			SUR	DBTG	OBS		1	6.5			PILOT STUDY
CA-FRE-3160	18635	1		SUR	SE QUAD			SUR	DBTG	OBS		1	1.3			PILOT STUDY
CA-FRE-3160	18636	1		SUR	SE QUAD			SUR	DBTG	OBS		1	9.0			PILOT STUDY
CA-FRE-3161	18637	1		SUR	NW QUAD			SUR	DBTG	OBS		1	1.7			PILOT STUDY
CA-FRE-3161	18638	1		SUR	NW QUAD			SUR	DBTG	OBS		1	2.1			PILOT STUDY
CA-FRE-3161	18639	1		SUR	NE QUAD			SUR	DBTG	OBS		1	1.5			PILOT STUDY
CA-FRE-3161	18640	1		SUR	NE QUAD			SUR	DBTG	OBS		1	1.8			PILOT STUDY
CA-FRE-3161	18641	1		SUR	SW QUAD			SUR	DBTG	OBS		1	3.0			PILOT STUDY
CA-FRE-3161	18642	1		SUR	SW QUAD			SUR	DBTG	OBS		1	1.0			PILOT STUDY
CA-FRE-3161	18643	1		SUR	SE QUAD			SUR	DBTG	OBS		1	4.3			PILOT STUDY
CA-FRE-3161	18644	1		SUR	SE QUAD			SUR	DBTG	OBS		1	1.1			PILOT STUDY
CA-FRE-3162	18645	1		SUR					PRJPT	OBS		1	0.0		101-9	SURVEY
CA-FRE-3162	18646	1		SUR					PRJPT	OBS		1	0.0		101-8	SURVEY
CA-FRE-3162	18647	1		SUR	NW QUAD			SUR	FLKTL	OBS	WHL	1	1.3			PILOT STUDY
CA-FRE-3162	18648	1		SUR	NW QUAD			SUR	FLKTL	OBS	WHL	1	0.8			PILOT STUDY
CA-FRE-3162	18649	1		SUR	NW QUAD			SUR	DBTG	OBS		1	1.0			PILOT STUDY
CA-FRE-3162	18650	1		SUR	NW QUAD			SUR	DBTG	OBS		1	0.9			PILOT STUDY
CA-FRE-3162	18651	1		SUR	NW QUAD			SUR	DBTG	OBS		1	1.5			PILOT STUDY
CA-FRE-3162	18652	1		SUR	NE QUAD			SUR	FLKTL	OBS	END	1	0.5			PILOT STUDY
CA-FRE-3162	18653	1		SUR	NE QUAD			SUR	DBTG	OBS		1	1.3			PILOT STUDY
CA-FRE-3162	18654	1		SUR	NE QUAD			SUR	DBTG	OBS		1	3.1			PILOT STUDY
CA-FRE-3162	18655	1		SUR	NE QUAD			SUR	DBTG	OBS		1	3.2			PILOT STUDY
CA-FRE-3162	18656	1		SUR	NE QUAD			SUR	DBTG	OBS		1	1.6			PILOT STUDY
CA-FRE-3162	18657	1		SUR	SW QUAD			SUR	DBTG	OBS		1	4.0			PILOT STUDY
CA-FRE-3162	18658	1		SUR	SW QUAD			SUR	DBTG	OBS		1	0.5			PILOT STUDY
CA-FRE-3162	18659	1		SUR	SW QUAD			SUR	DBTG	OBS		1	1.3			PILOT STUDY
CA-FRE-3162	18660	1		SUR	SW QUAD			SUR	DBTG	OBS		1	1.4			PILOT STUDY
CA-FRE-3162	18661	1		SUR	SW QUAD			SUR	DBTG	OBS		1	0.9			PILOT STUDY

SITE	CAT NO	LOT	FEAT	COLL	UNIT	UNIT SZ	SCR	LEVEL	DESC	MTRL	COND	NUM	WT	STRAT	COMM	PROJECT
CA-FRE-3162	18662	1		SUR	SE QUAD			SUR	FLKTL	OBS	NC	1	3.3			PILOT STUDY
CA-FRE-3162	18663	1		SUR	SE QUAD			SUR	DBTG	OBS		1	4.5			PILOT STUDY
CA-FRE-3162	18664	1		SUR	SE QUAD			SUR	DBTG	OBS		1	2.4			PILOT STUDY
CA-FRE-3162	18665	1		SUR	SE QUAD			SUR	DBTG	OBS		1	1.8			PILOT STUDY
CA-FRE-3162	18666	1		SUR	SE QUAD			SUR	DBTG	OBS		1	0.9			PILOT STUDY
CA-FRE-3162	18667	1		SUR				SUR	DBTG	OBS		1	1.3			PILOT STUDY
CA-FRE-3162	18668	1		SUR				SUR	DBTG	OBS		1	5.3			PILOT STUDY
CA-FRE-3162	18669	1		SUR				SUR	DBTG	OBS		1	1.0			PILOT STUDY
CA-FRE-3162	18670	1		SUR				SUR	DBTG	OBS		1	33.9			PILOT STUDY
CA-FRE-3162	18671	1		SUR				SUR	DBTG	OBS		1	0.6			PILOT STUDY
CA-FRE-3162	18672	1		SUR				SUR	DBTG	OBS		1	3.6			PILOT STUDY
CA-FRE-3163	18673	1		CSC	N0/W5	5X5			BIFACE	OBS	FRG	1	0.2			FIELD WORK
CA-FRE-3163	18674	1		CSC	N0/W5	5X5			BIFACE	OBS	FRG	1	0.1			FIELD WORK
CA-FRE-3163	18675	1		CSC	N0/W5	5X5		SUR	BIFACE	OBS	END	1	4.2			FIELD WORK
CA-FRE-3163	18676	1		CSC	N0/W5	5X5			BIFACE	QTZ	MRG	1	2.9			FIELD WORK
CA-FRE-3163	18677	1		CSC	N0/W5	5X5			FLKTL	OBS	PRX	1	4.5			FIELD WORK
CA-FRE-3163	18678	1		CSC	S5/E0	5X5			BIFACE	OBS	FRG	1	0.1			FIELD WORK
CA-FRE-3163	18679	1		CSC	S5/E0	5X5		SUR	DBTG	OBS		1	3.9			FIELD WORK
CA-FRE-3163	18680	1		SUR	N4.5/W0.5	0.5X0.5		SUR	DBTG	OBS		24	11.8			FIELD WORK
CA-FRE-3163	18681	1		SUR	S3.5/E0.5	0.5X0.5		SUR	DBTG	OBS		11	7.5			FIELD WORK
CA-FRE-3163	18682	1		SUR				SUR	FLKTL	OBS		1	3.3			SURVEY
CA-FRE-3163	18683	1		SUR				SUR	BIFACE	OBS	END	1	0.9			SURVEY
CA-FRE-3163	18684	1		SUR				SUR	BIFACE	OBS	WHL	1	4.2			SURVEY
CA-FRE-3163	18685	1		SUR				SUR	BIFACE	OBS	MED	1	1.6			SURVEY
CA-FRE-3163	18686	1		SUR	S. 1/2			SUR	DBTG	OBS		1	1.7			PILOT STUDY
CA-FRE-3163	18687	1		SUR	S. 1/2			SUR	DBTG	OBS		1	0.6			PILOT STUDY
CA-FRE-3163	18688	1		SUR	S. 1/2			SUR	DBTG	OBS		1	0.1			PILOT STUDY
CA-FRE-3163	18689	1		SUR	S. 1/2			SUR	DBTG	OBS		1	0.2			PILOT STUDY
CA-FRE-3163	18690	1		SUR	S. 1/2			SUR	DBTG	OBS		1	4.7			PILOT STUDY
CA-FRE-3163	18691	1		SUR	S. 1/2			SUR	DBTG	OBS		1	2.3			PILOT STUDY
CA-FRE-3163	18692	1		SUR	S. 1/2			SUR	DBTG	OBS		1	0.5			PILOT STUDY
CA-FRE-3163	18693	1		SUR	S. 1/2			SUR	DBTG	OBS		1	0.1			PILOT STUDY
CA-FRE-3163	18694	1		SUR	S. 1/2			SUR	DBTG	OBS		1	2.1			PILOT STUDY
CA-FRE-3163	18695	1		SUR	S. 1/2			SUR	DBTG	OBS		1	0.1			PILOT STUDY
CA-FRE-3163	18696	1		SUR	N. 1/2			SUR	FLKTL	OBS	WHL	1	1.2			PILOT STUDY
CA-FRE-3163	18697	1		SUR	N. 1/2			SUR	FLKTL	OBS	WHL	1	3.3			PILOT STUDY
CA-FRE-3163	18698	1		SUR	N. 1/2			SUR	DBTG	OBS		1	1.0			PILOT STUDY
CA-FRE-3163	18699	1		SUR	N. 1/2			SUR	DBTG	OBS		1	3.1			PILOT STUDY
CA-FRE-3163	18700	1		SUR	N. 1/2			SUR	DBTG	OBS		1	1.1			PILOT STUDY
CA-FRE-3163	18701	1		SUR	N. 1/2			SUR	DBTG	OBS		1	1.0			PILOT STUDY
CA-FRE-3163	18702	1		SUR	N. 1/2			SUR	DBTG	OBS		1	0.2			PILOT STUDY
CA-FRE-3163	18703	1		SUR	N. 1/2			SUR	DBTG	OBS		1	0.8			PILOT STUDY
CA-FRE-3163	18704	1		SUR	N. 1/2			SUR	DBTG	OBS		1	0.6			PILOT STUDY

SITE	CAT NO	LOT	FEAT	COLL	UNIT	UNIT SZ	SCR	LEVEL	DESC	MTRL	COND	NUM	WT	STRAT	COMM	PROJECT
CA-FRE-3163	18705	1		SUR	N. 1/2			SUR	DBTG	OBS		1	6.3			PILOT STUDY
CA-FRE-3163	18706	1		SUR	N4.5/W0.5	0.5X0.5			FLKTL	OBS	WHL	1	0.7			FIELD WORK
CA-FRE-3164	18707	1		SUR					PRJPT	OBS	NC	1	0.0		ARTIFACT 5, 101-11	SURVEY
CA-FRE-3164	18708	1		SUR					PRJPT	OBS	MED	1	0.0		ARTIFACT 4, 101-10	SURVEY
CA-FRE-3164	18709	1		SUR					PRJPT	OBS	PRX	1	1.4		601-6	SURVEY
CA-FRE-3164	18710	1		SUR					PRJPT	OBS	PRX	1	1.6		601-7	SURVEY
CA-FRE-3164	18711	1		SUR					BIFACE	OBS		1	0.0			SURVEY
CA-FRE-3164	18712	1		SUR				SUR	DBTG	OBS		1	1.3			PILOT STUDY
CA-FRE-3164	18713	1		SUR				SUR	DBTG	OBS		1	1.8			PILOT STUDY
CA-FRE-3164	18714	1		SUR				SUR	DBTG	OBS		1	1.9			PILOT STUDY
CA-FRE-3164	18715	1		SUR				SUR	DBTG	OBS		1	2.1			PILOT STUDY
CA-FRE-3165	18716	1		CSC	S5/E10	5X5		SUR	FLKTL	OBS	WHL	1	12.0			FIELD WORK
CA-FRE-3165	18717	1		CSC	S5/E10	5X5		SUR	FLKTL	OBS	WHL	1	1.4			FIELD WORK
CA-FRE-3165	18718	1		CSC	S5/E10	5X5		SUR	DBTG	OBS		2	13.6			FIELD WORK
CA-FRE-3165	18719	1		SUR	S2/E10	0.5X0.5		SUR	DBTG	OBS		18	10.7			FIELD WORK
CA-FRE-3165	18720	1		SUR	S5/E11	0.5X0.5		SUR	DBTG	OBS		26	12.9			FIELD WORK
CA-FRE-3165	18721	1		SUR	NE QUAD			SUR	DBTG	OBS		1	20.3			PILOT STUDY
CA-FRE-3165	18722	1		SUR	NE QUAD			SUR	DBTG	OBS		1	0.7			PILOT STUDY
CA-FRE-3165	18723	1		SUR	NE QUAD			SUR	DBTG	OBS		1	0.2			PILOT STUDY
CA-FRE-3165	18724	1		SUR	NE QUAD			SUR	DBTG	OBS		1	0.6			PILOT STUDY
CA-FRE-3165	18725	1		SUR	NE QUAD			SUR	DBTG	OBS		1	4.0			PILOT STUDY
CA-FRE-3165	18726	1		SUR	NW QUAD			SUR	DBTG	OBS		1	0.6			PILOT STUDY
CA-FRE-3165	18727	1		SUR	NW QUAD			SUR	DBTG	OBS		1	0.8			PILOT STUDY
CA-FRE-3165	18728	1		SUR	NW QUAD			SUR	DBTG	OBS		1	0.1			PILOT STUDY
CA-FRE-3165	18729	1		SUR	NW QUAD			SUR	DBTG	OBS		1	0.7			PILOT STUDY
CA-FRE-3165	18730	1		SUR	NW QUAD			SUR	DBTG	OBS		1	2.7			PILOT STUDY
CA-FRE-3165	18731	1		SUR	SE QUAD			SUR	DBTG	OBS		1	4.1			PILOT STUDY
CA-FRE-3165	18732	1		SUR	SE QUAD			SUR	DBTG	OBS		1	1.3			PILOT STUDY
CA-FRE-3165	18733	1		SUR	SE QUAD			SUR	DBTG	OBS		1	2.8			PILOT STUDY
CA-FRE-3165	18734	1		SUR	SE QUAD			SUR	DBTG	OBS		1	3.7			PILOT STUDY
CA-FRE-3165	18735	1		SUR	SE QUAD			SUR	DBTG	OBS		1	0.9			PILOT STUDY
CA-FRE-3165	18736	1		SUR	SW QUAD			SUR	DBTG	OBS		1	0.1			PILOT STUDY
CA-FRE-3165	18737	1		SUR	SW QUAD			SUR	DBTG	OBS		1	0.5			PILOT STUDY
CA-FRE-3165	18738	1		SUR	SW QUAD			SUR	DBTG	OBS		1	0.4			PILOT STUDY
CA-FRE-3165	18739	1		SUR	SW QUAD			SUR	DBTG	OBS		1	0.3			PILOT STUDY
CA-FRE-3165	18740	1		SUR	SW QUAD			SUR	DBTG	OBS		1	0.7			PILOT STUDY
CA-FRE-3166	18741	1		SUR					PRJPT	OBS	NC	1	0.0		101-12	SURVEY
CA-FRE-3166	18742	1		SUR				SUR	DBTG	OBS		1	1.1		LITHIC CONC. A	PILOT STUDY
CA-FRE-3166	18743	1		SUR				SUR	DBTG	OBS		1	1.5		LITHIC CONC. A	PILOT STUDY
CA-FRE-3166	18744	1		SUR				SUR	DBTG	OBS		1	1.5		LITHIC CONC. B	PILOT STUDY
CA-FRE-3166	18745	1		SUR				SUR	DBTG	OBS		1	0.7		LITHIC CONC. B	PILOT STUDY
CA-FRE-3166	18746	1		SUR				SUR	FLKTL	OBS		1	3.0		LITHIC CONC. C	PILOT STUDY
CA-FRE-3166	18747	1		SUR				SUR	DBTG	OBS		1	0.8		LITHIC CONC. C	PILOT STUDY

SITE	CAT NO	LOT	FEAT	COLL	UNIT	UNIT SZ	SCR	LEVEL	DESC	MTRL	COND	NUM	WT	STRAT	COMM	PROJECT
CA-FRE-3166	18748	1		SUR				SUR	DBTG	OBS		1	2.2		LITHIC CONC. D	PILOT STUDY
CA-FRE-3166	18749	1		SUR				SUR	DBTG	OBS		1	0.7		LITHIC CONC. D	PILOT STUDY
CA-FRE-3166	18750	1		SUR				SUR	DBTG	OBS		1	0.9		LITHIC CONC. E	PILOT STUDY
CA-FRE-3166	18751	1		SUR				SUR	DBTG	OBS		1	0.5		LITHIC CONC. E	PILOT STUDY
CA-FRE-3167	18752	1		SUR				SUR	DBTG	OBS		1	2.2			PILOT STUDY
CA-FRE-3167	18753	1		SUR				SUR	DBTG	OBS		1	0.2			PILOT STUDY
CA-FRE-3167	18754	1		SUR				SUR	DBTG	OBS		1	2.2			PILOT STUDY
CA-FRE-3167	18755	1		SUR				SUR	DBTG	OBS		1	1.0			PILOT STUDY
CA-FRE-3167	18756	1		SUR				SUR	DBTG	OBS		1	4.0			PILOT STUDY
CA-FRE-3168	18757	1		SUR				SUR	FLKTL	OBS	WHL	1	1.5			PILOT STUDY
CA-FRE-3168	18758	1		SUR				SUR	DBTG	OBS		1	7.0			PILOT STUDY
CA-FRE-3168	18759	1		SUR				SUR	DBTG	OBS		1	3.0			PILOT STUDY
CA-FRE-3168	18760	1		SUR				SUR	DBTG	OBS		1	1.7			PILOT STUDY
CA-FRE-3168	18761	1		SUR				SUR	DBTG	OBS		1	0.5			PILOT STUDY
CA-FRE-3169	18762	1		SUR				SUR	PRJPT	OBS	PRX	1	1.4			FIELD WORK
CA-FRE-3169	18763	1		CSC	N15/W10	5X5			BIFACE	OBS	MRG	1	1.5			FIELD WORK
CA-FRE-3169	18764	1		CSC	N15/W10	5X5		SUR	DBTG	OBS		3	3.5			FIELD WORK
CA-FRE-3169	18765	1	1	CSC	S15/E5	5X5		SUR	BIFACE	OBS	MED	1	5.8			FIELD WORK
CA-FRE-3169	18766	1	1	CSC	S15/E5	5X5		SUR	BIFACE	OBS	MRG	1	4.4			FIELD WORK
CA-FRE-3169	18767	1		CSC	S15/E5	5X5			FLKTL	OBS	WHL	1	4.4			FIELD WORK
CA-FRE-3169	18768	1	1	CSC	S15/E5	5X5		SUR	FLKTL	OBS	NC	1	3.2			FIELD WORK
CA-FRE-3169	18769	1	1	CSC	S15/E5	5X5		SUR	FLKTL	OBS	WHL	1	3.8			FIELD WORK
CA-FRE-3169	18770	1	1	CSC	S15/E5	5X5		SUR	FLKTL	OBS	DST	1	0.7			FIELD WORK
CA-FRE-3169	18771	1		CSC	S15/E5	5X5			ABRADER	PUM		2	8.7			FIELD WORK
CA-FRE-3169	18772	1		SUR	N19.5/W5	0.5X0.5		SUR	DBTG	OBS		17	12.4			FIELD WORK
CA-FRE-3169	18773	1	1	SUR	S12/E7.5	0.5X0.5		SUR	DBTG	OBS		31	5.6			FIELD WORK
CA-FRE-3169	18774	1	1	SUR				SUR	PRJPT	OBS	WHL	1	0.0		ARTIFACT 6, 101-14	SURVEY
CA-FRE-3169	18775	1	1	SUR				SUR	PRJPT	OBS	WHL	1	0.0		ARTIFACT 7, 101-15	SURVEY
CA-FRE-3169	18776	1	1	SUR				SUR	PRJPT	OBS	NC	1	0.0		ARTIFACT 5, 101-13	SURVEY
CA-FRE-3169	18777	1		SUR				SUR	BIFACE	OBS	DST	1	0.7			SURVEY
CA-FRE-3169	18778	1	1	SUR				SUR	DBTG	OBS		1	0.9			PILOT STUDY
CA-FRE-3169	18779	1	1	SUR				SUR	DBTG	OBS		1	3.3			PILOT STUDY
CA-FRE-3169	18780	1	1	SUR				SUR	DBTG	OBS		1	1.1			PILOT STUDY
CA-FRE-3169	18781	1	1	SUR				SUR	DBTG	OBS		1	1.5			PILOT STUDY
CA-FRE-3169	18782	1	1	SUR				SUR	DBTG	OBS		1	0.2			PILOT STUDY
CA-FRE-3169	18783	1		SUR				SUR	DBTG	OBS		1	5.3		W OF DRAINAGE	PILOT STUDY
CA-FRE-3169	18784	1		SUR				SUR	DBTG	OBS		1	1.6		W OF DRAINAGE	PILOT STUDY
CA-FRE-3169	18785	1		SUR				SUR	DBTG	OBS		1	5.0		W OF DRAINAGE	PILOT STUDY
CA-FRE-3169	18786	1		SUR				SUR	DBTG	OBS		1	0.1		W OF DRAINAGE	PILOT STUDY
CA-FRE-3169	18787	1		SUR				SUR	DBTG	OBS		1	0.2		W OF DRAINAGE	PILOT STUDY
CA-FRE-3169	18788	1		SUR				SUR	DBTG	OBS		1	1.6		E OF DRAINAGE	PILOT STUDY
CA-FRE-3169	18789	1		SUR				SUR	DBTG	OBS		1	0.5		E OF DRAINAGE	PILOT STUDY
CA-FRE-3169	18790	1		SUR				SUR	DBTG	OBS		1	8.5		E OF DRAINAGE	PILOT STUDY

SITE	CAT NO	LOT	FEAT	COLL	UNIT	UNIT SZ	SCR	LEVEL	DESC	MTRL	COND	NUM	WT	STRAT	COMM	PROJECT
CA-FRE-3169	18791	1		SUR				SUR	DBTG	OBS		1	2.9		E OF DRAINAGE	PILOT STUDY
CA-FRE-3169	18792	1		SUR				SUR	DBTG	OBS		1	0.7		E OF DRAINAGE	PILOT STUDY
CA-FRE-3169	18793	10	1	EXC	TP #1	0.5X0.5	1/4	0-10	DBTG	OBS		1	1.8			PILOT STUDY
CA-FRE-3169	18794	10	1	EXC	TP #1	0.5X0.5	1/4	0-10	DBTG	OBS		1	1.3			PILOT STUDY
CA-FRE-3169	18795	10	1	EXC	TP #1	0.5X0.5	1/4	0-10	DBTG	OBS		1	0.3			PILOT STUDY
CA-FRE-3169	18796	10	1	EXC	TP #1	0.5X0.5	1/4	0-10	DBTG	OBS		1	4.9			PILOT STUDY
CA-FRE-3169	18797	10	1	EXC	TP #1	0.5X0.5	1/4	0-10	DBTG	OBS		1	1.6			PILOT STUDY
CA-FRE-3169	18798	10	1	EXC	TP #1	0.5X0.5	1/4	0-10	BONE			1	0.1			PILOT STUDY
ISOLATE #1	18799	1		SUR					PRJPT	OBS	NC	1	2.0		601-8	SURVEY

Note: FEAT=feature, COLL=collection type, UNIT SZ=unit size, SCR=screen size, DESC=description, MTRL=material, COND=condition, NUM=number, WT=weight, STRAT=stratum, COMM=comments

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