A PHASE I AND II CULTURAL RESOURCES ASSESSMENT FOR THE NICHOLS RANCH SPECIFIC PLAN PROJECT

CITY OF LAKE ELSINORE, RIVERSIDE COUNTY, CALIFORNIA

APNs 389-200-038 and 389-210-008, -032, -034 and -036

Project Site Location: Section 25, Township 5 South, Range 5 West of the *Lake Elsinore* USGS Quadrangle Topographic Map

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Fieldwork Performed: March 22, 2017; April 18, 20, 21, and 24, 2017; December 6, 2017
Key Words: 72.5 acres; positive survey; one historic site (RIV-8120); one prehistoric lithic isolate (P-33-026830); site evaluation; no CEQA-significant resources identified.

Archaeological Report Summary Information

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Assessor's Parcel Numbers: 389-200-038 and 389-210-008, -032, -034, and -036

USGS Quadrangle: Section 25, Township 5 South, Range 5 West of the *Lake Elsinore* USGS topographic quadrangle map

Study Area: 72.5 acres

Key Words: Archaeological survey and testing program; positive survey; one historic site (RIV-8120); one prehistoric isolate (P-33-026830); site evaluation; City of Lake Elsinore; Riverside County; 72.5 acres; *Lake Elsinore* USGS Quadrangle; significance testing; no significant resources identified; historic refuse scatter; prehistoric lithic isolate; mitigation monitoring of grading recommended.

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1.0 MANAGEMENT SUMMARY/ABSTRACT

This report describes the results of the cultural resources survey and significance testing program conducted by Brian F. Smith and Associates, Inc. (BFSA) for the Nichols Ranch Specific Plan Project (referred to as the Nichols Ranch Project in this report). The project includes 72.5 acres located south of Nichols Road, west of El Toro Road, east of Interstate 15, and north of Temescal Canyon High School in the city of Lake Elsinore, Riverside County, California. The project is identified as Assessor's Parcel Numbers (APNs) 389-200-038 and 389-210-008, -032, -034, and -036. Specifically, the project may be found in Section 25 of the USGS 7.5-minute *Lake Elsinore, California* topographic map, Township 5 South, Range 5 West. The proposed project consists of mixed-use commercial and residential development properties.

The project development area is generally vacant and characterized as southwest-facing slopes of poorly consolidated sand and rock. The subject property has been used in the past for agricultural farming, and more recently for sand and gravel removal. Most recently, the project area has been left vacant, consisting of a native inland sage scrub plant community. Dirt roads crisscross throughout the subject property, and a single water tower is located in the northwest portion of the project area. The project proposes a General Plan Amendment (GPA No. 2018-01), Specific Plan (SP No. 2018-01), an Amendment to the Alberhill Ranch Specific Plan (SPA No. 2017-03), a Tentative Parcel Map (TPM No. 37465), a Tentative Tract Map (TTM No. 37305), and a Change of Zone (ZC No. 2018-01). The project seeks to establish the Nichols Ranch Specific Plan over the 72.5-acre property, which proposes the development of approximately 31.1 acres of residential space for 168 single-family dwelling units; 14.5 acres of commercial retail accommodating a 130-room hotel, 20,900 square feet of restaurant use, 4,400 square feet of commercial retail uses, an 8,000-square-foot health and fitness club, and a gas station with 16 fueling stations; 8.3 acres of recreational open space; 5.5 acres of drainage basins; 1.3 acres of open space; 6.5 acres of floodway; and 5.3 acres for backbone on-site roadways.

BFSA conducted an archaeological assessment to locate and record any cultural resources present within the project in compliance with the California Environmental Quality Act (CEQA) and following City of Lake Elsinore guidelines. During the survey, one previously recorded historic site (RIV-8120) and one previously unrecorded prehistoric isolate (P-33-026830) were identified. Site RIV-8120 was recorded as an early to mid-twentieth century historic refuse scatter. P-33-026830 consists of two lithic flakes. Because the site and isolate will be impacted by project development and reflect the prehistoric occupation of the Lake Elsinore area, they were subjected to a testing program to evaluate site significance. With the recordation of historic Site RIV-8120, the collection of historic surface artifacts, and the excavation of subsurface tests, the research potential for this site has been exhausted and the site is evaluated as not unique and not CEQA-significant. Because the isolate identified during the survey produced no subsurface deposits or additional artifacts, P-33-026830 was determined to lack significance according to CEQA criteria.

1.1 Purpose of Investigation

The purpose of this investigation was to complete a records search of previously recorded archaeological sites on or near the property, survey the project acreage, identify any archaeological resources within the project, and test and evaluate any cultural resources that may be impacted by the proposed development. The project development map shows the limits of grading for the proposed Nichols Ranch Project, which constitute the project Area of Potential Effect (APE).

1.2 Major Findings

The records search for the project identified one previously recorded cultural resource (RIV-8120) within the APE. Site RIV-8120 is located in the northwestern corner of the project, just south of Nichols Road and east of a northeast-to-southwest-trending drainage. Site RIV-8120 was recorded in April of 2006 by Statistical Research, Inc. (SRI) and described as a historic trash scatter comprised of 12 refuse concentrations. SRI determined that the site could date from between the 1890s and the mid-twentieth century (Lerch and Gray 2006).

Survey conditions were generally good and ground visibility ranged from good to excellent throughout the project. Much of the project had been disked or disturbed in the past, and dirt roads intersect throughout the APE. As a result of the 2017 BFSA survey, Site RIV-8120 was relocated and one prehistoric isolate location was identified (P-33-026830). All site elements and locations were mapped and recorded. BFSA conducted Phase II testing at Site RIV-8120 and P-33-026830 on April 18, 20, 21, and 24, 2017 to identify any subsurface artifact concentrations and determine site boundaries. Shovel test pit (STP) excavations were undertaken at both of the identified cultural resources. Subsurface concentrations of historic artifacts were identified at Site RIV-8120. Surface examinations at Site RIV-8120 resulted in the recovery of additional historic artifacts. No subsurface concentrations were identified at P-33-026830 and only two prehistoric lithic flakes were recovered from the surface. Because the majority of Site RIV-8120 has been disturbed due to agricultural use or periodic clearing and disking, the site lacks any further research potential and was evaluated as not unique and not significant under CEQA criteria. Additionally, because the testing at P-33-026830 did not produce any subsurface artifact concentrations, the isolate was determined to not be CEQA-significant.

Department of Parks and Recreation (DPR) site record forms were prepared for both discovered resources and submitted to the Eastern Information Center (EIC) at the University of California at Riverside (UCR) following the archaeological testing program (Appendix C). A copy of this report will be permanently filed with the EIC at UCR. All prehistoric and historic artifacts collected from the project may be permanently stored and curated at the Western Science Center in Hemet, California. However, prehistoric artifacts may also be repatriated to the consulting tribe(s) and possibly reburied on-site in a location designated for permanent open space. The determination of the disposition of Native American artifacts will be at the discretion of the participating Native American tribes. All notes, photographs, and other materials related to this project will be curated at the archaeological laboratory of BFSA in Poway, California.

1.3 Recommendation Summary

The Nichols Ranch Project will result in direct impacts to recorded cultural resources RIV-8120 and P-33-026830, both of which have been evaluated as not CEQA-significant. As such, the site and isolate do not qualify as Historical Resources and site-specific mitigation measures are not required. However, due to the presence of cultural resources documenting prehistoric and historic use of this property, the potential exists that other unidentified cultural resources may exist within the APE that may be exposed during grading. In order to identify any cultural resources uncovered by the development of this project, all earthwork (grading or trenching) shall be monitored by an archaeologist and Native American monitor. Should the archaeologist identify any Native American sites, deposits, features, or artifacts, the City of Lake Elsinore will be notified.

2.0 INTRODUCTION

BFSA was retained by the project applicant to conduct a cultural resources survey, testing, and evaluation program for the proposed Nichols Ranch Project located in the city of Lake Elsinore, Riverside County, California. The archaeological survey was conducted in order to comply with CEQA and City of Lake Elsinore guidelines with regards to development-generated impacts to cultural resources. The project is located in an area of moderate cultural resource sensitivity, as is suggested by known site density and predictive modeling. Sensitivity for cultural resources in a given area is usually indicated by known settlement patterns, which in the northwestern Riverside County area are focused around environments with accessible food and water.

The Nichols Ranch Project is a proposed development of a mixed-use commercial and multi-family residential property that will encompass 72.5 acres located south of Nichols Road, west of El Toro Road, east of Interstate 15, and north of Temescal Canyon High School in the city of Lake Elsinore, Riverside County, California (Figure 2.0–1). The subject property consists of APNs 389-200-038 and 389-210-008, -032, -034, and -036 and is located in Section 25 of the USGS 7.5-minute *Lake Elsinore, California* topographic map, Township 5 South, Range 5 West (Figure 2.0–2). The development will include 31.1 acres of residential space for 168 single-family dwelling units; 14.5 acres of commercial retail accommodating a 130-room hotel, 20,900 square feet of restaurant use, 4,400 square feet of commercial retail uses, an 8,000-square-foot health and fitness club, and a gas station with 16 fueling stations; 8.3 acres of recreational open space; 5.5 acres of drainage basins; 1.3 acres of open space; 6.5 acres of floodway; and 5.3 acres for backbone on-site roadways (Figure 2.0–3).

Principal Investigator Brian F. Smith directed the cultural resources study for the project and conducted the pedestrian survey. The survey was conducted in five- to 15-meter interval transects. Survey conditions were generally good and ground visibility ranged from good to excellent throughout the survey area. Nearly the entire property has been disturbed, disked, or graded in the past, and dirt roads intersect various portions of the project. The testing program for Site RIV-8120 and P-33-026830 was directed by Brian Smith and completed with assistance from Clarence Hoff and Stephen Anderson. The technical report was prepared by Jillian Hahnlen and Brian Smith. Kris Reinicke created the report graphics and Courtney Accardy conducted technical editing and report production. Qualifications of key personnel are provided in Appendix A.

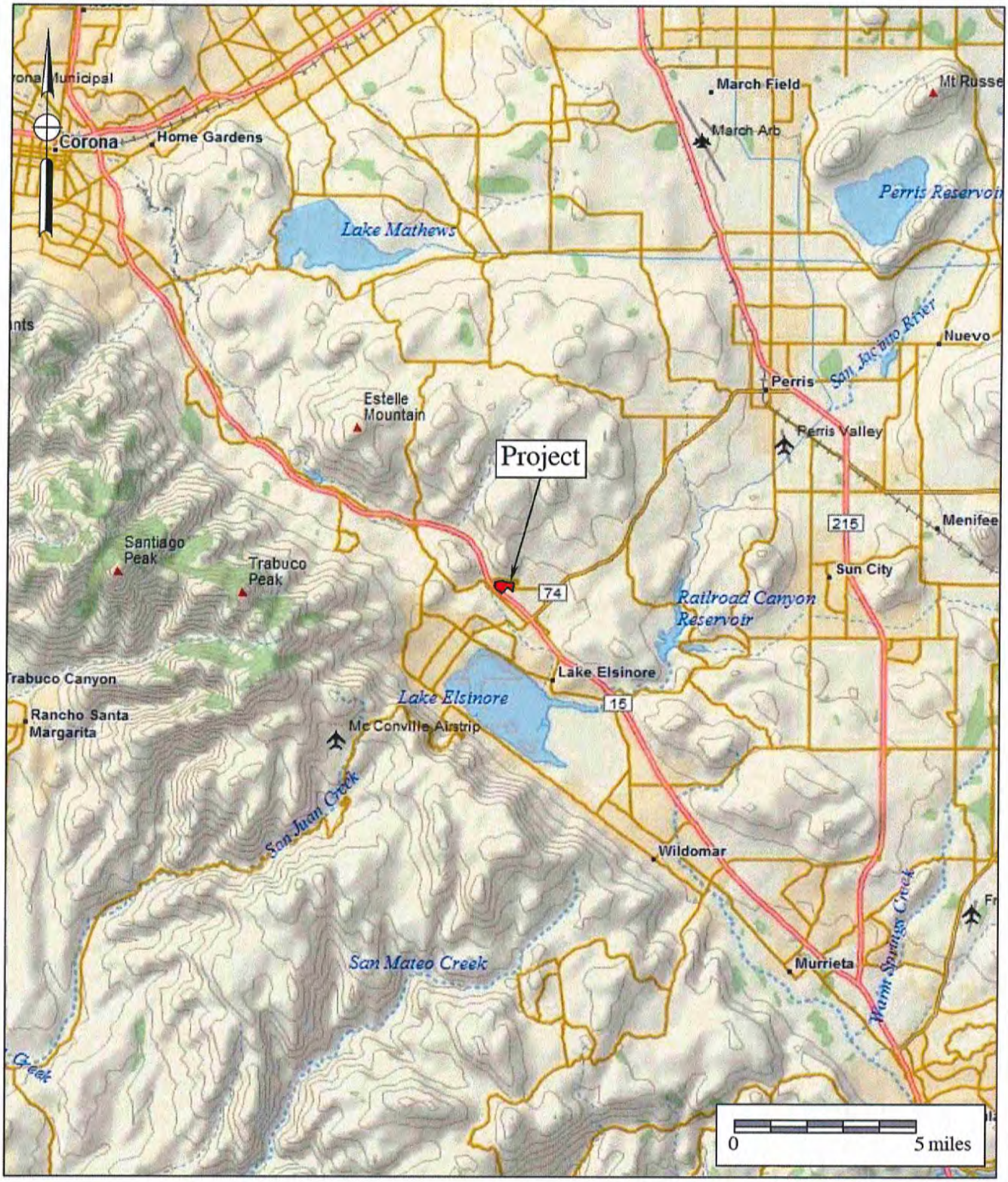


Figure 2.0–1

General Location Map

The Nichols Ranch Specific Plan Project

DeLorme (1:250,000)

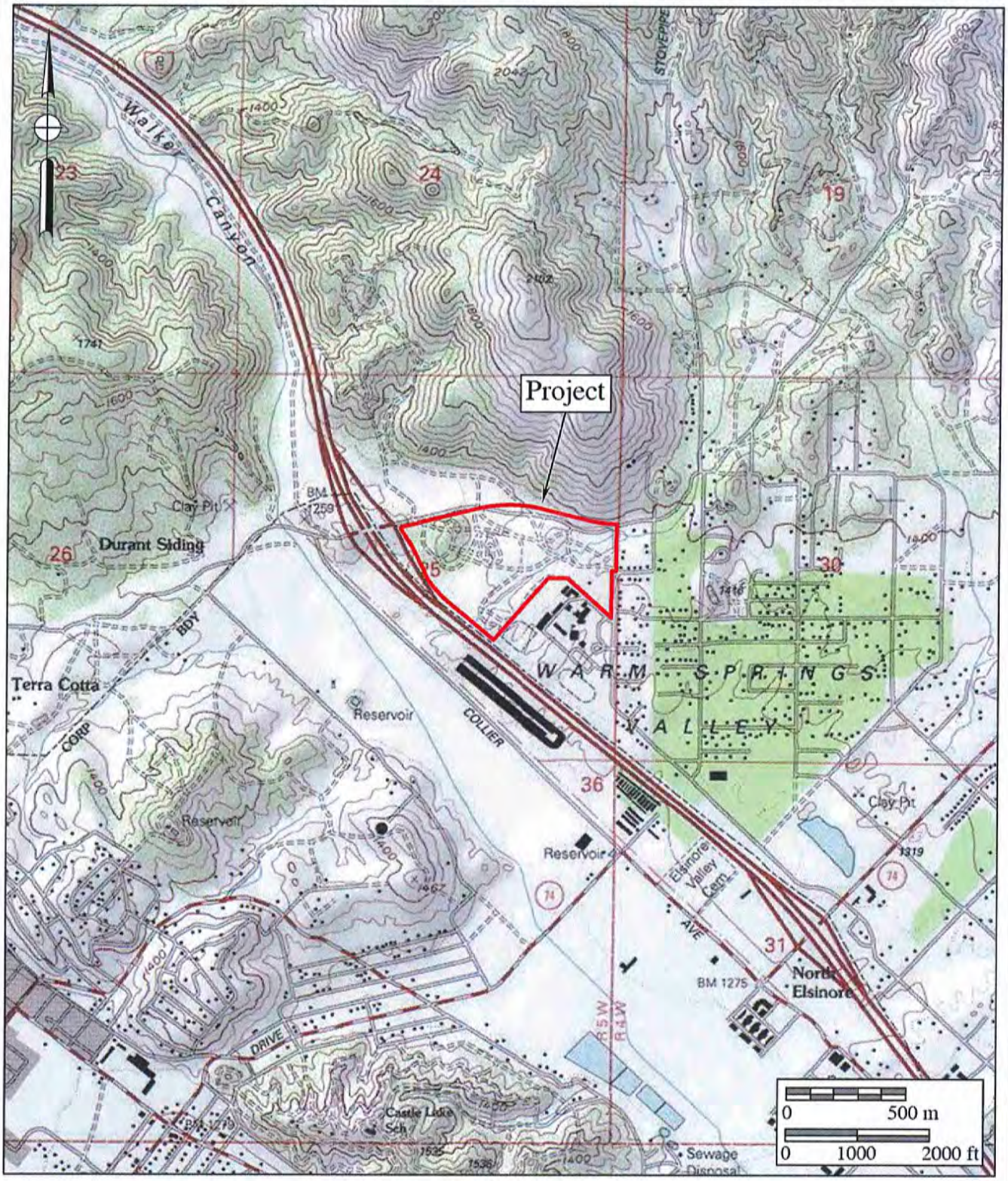


Figure 2.0–2

Project Location Map

The Nichols Ranch Specific Plan Project

USGS *Lake Elsinore* Quadrangle (7.5-minute series)

Figure 2.0–3

Project Development Map

The Nichols Ranch Specific Plan Project

2.1 Previous Work

The records search for the property from the EIC at UCR reported that 33 cultural resource sites and 36 cultural resource studies have been recorded within a one-mile radius of the project. A single historic site, RIV-8120, was previously recorded within the project boundaries. A discussion of the complete records search is provided in Section 4.1 of this report. Site RIV-8120 was previously recorded in 2006 by SRI and is characterized as a historic refuse scatter in the northeastern portion of the project. Portions of the Nichols Ranch property were previously surveyed as part of two different studies (Drover 1987; Lerch and Gray 2006).

2.2 Project Setting

Riverside County lies in the Peninsular Range Geologic Province of southern California. The range, which lies in a northwest to southeast trend through the county, extends some 1,000 miles from the Raymond-Malibu Fault Zone in western Los Angeles County to the southern tip of Baja California. The subject property is located on the northern flanks of Lake Elsinore Valley along the foothills east of Interstate 15. Elevations within the project area range from approximately 1,322 to 1,905 feet above mean sea level (AMSL).

Vegetation within the project area is characterized as including grasses and minimal shrubs throughout the property. Mammals within the region include mule deer (*Odocoileus hemionus*), coyote (*Canis latrans*), bobcat (*Lynx rufus*), mountain lion (*Puma concolor*), ground squirrel (*Otospermophilus beecheyi*), and kangaroo rat (*Dipodomys*); birds include hawks and eagles (Falconidae), owls (Tytonidae), mourning dove (*Zenaida macroura*), mockingbird (*Mimus polyglottos*), jay (*Garrulus glandarius*), heron (*Ardeidae*), crow (*Corvus*), finch (*Fringillidae*), and sparrow (*Passer domesticus*). Nearly the entire property has been disturbed at some time in the past.

2.3 Cultural Setting

2.3.1 Prehistoric Period

Paleo Indian, Archaic Period Milling Stone Horizon, and the Late Prehistoric Shoshonean groups are the three general cultural periods represented in Riverside County. The following discussion of the cultural history of Riverside County references the San Dieguito Complex, Encinitas Tradition, Milling Stone Horizon, La Jolla Complex, Pauma Complex, and San Luis Rey Complex, since these culture sequences have been used to describe archaeological manifestations in the region. The Late Prehistoric component in the area of Riverside County was represented by the Cahuilla, Gabrielino, and Luiseño Indians.

Absolute chronological information, where possible, will be incorporated into this discussion to examine the effectiveness of continuing to use these terms interchangeably. Reference will be made to the geological framework that divides the culture chronology of the area into four segments: late Pleistocene (20,000 to 10,000 YBP [years before the present]), early Holocene (10,000 to 6,650 YBP), middle Holocene (6,650 to 3,350 YBP), and late Holocene

(3,350 to 200 YBP).

Paleo Indian Period (Late Pleistocene: 11,500 to circa 9,000 YBP)

The Paleo Indian Period is associated with the terminus of the late Pleistocene (12,000 to 10,000 YBP). The environment during the late Pleistocene was cool and moist, which allowed for glaciation in the mountains and the formation of deep, pluvial lakes in the deserts and basin lands (Moratto 1984). However, by the terminus of the late Pleistocene, the climate became warmer, which caused the glaciers to melt, sea levels to rise, greater coastal erosion, large lakes to recede and evaporate, extinction of Pleistocene megafauna, and major vegetation changes (Moratto 1984; Martin 1967, 1973; Fagan 1991). The coastal shoreline at 10,000 YBP, depending upon the particular area of the coast, was near the 30-meter isobath, or two to six kilometers further west than its present location (Masters 1983).

Paleo Indians were likely attracted to multiple habitat types, including mountains, marshlands, estuaries, and lakeshores. These people likely subsisted using a more generalized hunting, gathering, and collecting adaptation, utilizing a variety of resources including birds, mollusks, and both large and small mammals (Erlandson and Colten 1991; Moratto 1984; Moss and Erlandson 1995).

Archaic Period (Early and Middle Holocene: circa 9,000 to 1,300 YBP)

Between 9,000 and 8,000 YBP, a widespread complex was established in the southern California region, primarily along the coast (Warren and True 1961). This complex is locally known as the La Jolla Complex (Rogers 1939; Moriarty 1966), which is regionally associated with the Encinitas Tradition (Warren 1968) and shared cultural components with the widespread Milling Stone Horizon (Wallace 1955). The coastal expression of this complex, focusing upon coastal resources and development of deeply stratified shell middens located primarily around bays and lagoons, appeared in the southern California coastal areas. The older sites associated with this expression are located at Topanga Canyon, Newport Bay, Agua Hedionda Lagoon, and some of the Channel Islands. Radiocarbon dates from sites attributed to this complex span a period of over 7,000 years in this region, beginning over 9,000 YBP.

The Encinitas Tradition is best recognized for its pattern of large coastal sites characterized by shell middens, grinding tools closely associated with the marine resources of the area, cobble-based tools, and flexed human burials (Shumway et al. 1961; Smith and Moriarty 1985). While ground stone tools and scrapers are the most recognized tool types, coastal Encinitas Tradition sites also contain numerous utilized flakes, which may have been used to pry open shellfish. Artifact assemblages at coastal sites indicate a subsistence pattern focused upon shellfish collection and nearshore fishing, suggesting an incipient maritime adaptation with regional similarities to more northern sites of the same period (Koerper et al. 1986). Other artifacts associated with Encinitas Tradition sites include stone bowls, doughnut stones, discoidals, stone balls, and stone, bone, and shell beads.

The coastal lagoons in southern California supported large Milling Stone Horizon populations circa 6,000 YBP, as shown by numerous radiocarbon dates from the many sites adjacent to the lagoons. The ensuing millennia were not stable environmentally, and by 3,000 YBP, many of the coastal sites in central San Diego County had been abandoned (Gallegos 1987, 1992). The abandonment of the area is usually attributed to the sedimentation of coastal lagoons and the resulting deterioration of fish and mollusk habitat, a situation well documented at Batiquitos Lagoon (Miller 1966; Gallegos 1987). Over a 2,000-year period at Batiquitos Lagoon, dominant mollusk species, which occur in archaeological middens, shift from those of deep-water mollusks (*Argopecten* sp.) to species that are tolerant of tidal flat conditions (*Chione* sp.). This shift indicates water depth and temperature changes (Miller 1966; Gallegos 1987). This situation likely occurred for other small drainages (Buena Vista, Agua Hedionda, San Marcos, and Escondido creeks) along the central San Diego coast where low flow rates did not produce sufficient discharge to flush the lagoons they fed (Buena Vista, Agua Hedionda, Batiquitos, and San Elijo lagoons) (Byrd 1998). Drainages along the northern and southern San Diego coastline were larger and flushed the coastal hydrological features they fed, keeping them open to the ocean and allowing for continued human exploitation (Byrd 1998). Peñasquitos Lagoon exhibits dates as late as 2,355 YBP (Smith and Moriarty 1985). San Diego Bay showed continuous occupation until the close of the Milling Stone Horizon (Gallegos and Kyle 1988). Additionally, data from several drainages in Camp Pendleton indicate a continued occupation of shell midden sites until the close of the period, indicating that coastal sites were not entirely abandoned during this time (Byrd 1998).

By 5,000 YBP, an inland expression of the La Jolla Complex, which exhibits influences from the Campbell Tradition from the north, is evident in the archaeological record. These inland Milling Stone Horizon sites have been termed "Pauma Complex" (True 1958; Warren et al. 1961; Meighan 1954). By definition, Pauma Complex sites share a predominance of grinding implements (manos and metates), lack mollusk remains, have a greater tool variety (including atlatl dart points, quarry-based tools, and crescentics), and seem to express a more sedentary lifestyle with a subsistence economy based upon the use of a broad variety of terrestrial resources. Although originally viewed as a separate culture from the coastal La Jolla Complex (True 1980), it appears that these inland sites may be part of a subsistence and settlement system utilized by the coastal peoples. Evidence from the 4S Ranch Project in inland San Diego County suggests that these inland sites may represent seasonal components within an annual subsistence round by La Jolla Complex populations (Raven-Jennings et al. 1996). Therefore, including both coastal and inland sites of this time period in discussions of the Encinitas Tradition provides a more complete appraisal of the settlement and subsistence system exhibited by this cultural complex.

Late Prehistoric Period (Late Holocene: 1,300 YBP to 1790)

Approximately 1,350 YBP, a Shoshonean-speaking group from the Great Basin region moved into Riverside County, marking the transition to the Late Prehistoric Period. This period

is characterized by higher population densities and elaborations in social, political, and technological systems. Economic systems diversified and intensified during this period with the continued elaboration of trade networks, the use of shell-bead currency, and the appearance of more labor-intensive, yet effective, technological innovations. Technological developments during this period included the introduction of the bow and arrow between A.D. 400 and 600 and the introduction of ceramics. Atlatl darts were replaced by smaller arrow darts, including the Cottonwood series points. Other hallmarks of the Late Prehistoric Period include extensive trade networks as far-reaching as the Colorado River Basin and cremation of the dead.

Protohistoric Period (Late Holocene: 1790 to Present)

Ethnohistorical and ethnographic evidence indicates that three Shoshonean-speaking groups occupied portions of Riverside County during the Protohistoric Period, including the Cahuilla, the Gabrielino, and the Luiseño. The geographic boundaries between these groups in pre- and proto-historic times are difficult to place.

At the time of Spanish contact in the sixteenth century, the Cahuilla occupied territory that included the San Bernardino Mountains, Orocopia Mountain, and the Chocolate Mountains to the east, the Salton Sea and Borrego Springs to the south, Palomar Mountain and Lake Mathews to the west, and the Santa Ana River to the north. The Cahuilla were a Takic-speaking people closely related to their Gabrielino and Luiseño neighbors, although relations with the Gabrielino were more intense than with the Luiseño. They differed from the Luiseño and Gabrielino in that their religion was more similar to the Mohave tribes of the eastern deserts than the *Chingichngish* cult of the Luiseño and Gabrielino.

At the time of Spanish contact in the sixteenth century, the territory of the Gabrielino was located in much of present-day Los Angeles and Orange counties. The southern extent of this group was bounded by Aliso Creek, the eastern extent was located east of present-day San Bernardino along the Santa Ana River, the northern extent included the San Fernando Valley, and the western extent included portions of the Santa Monica Mountains. The Gabrielino also occupied several Channel Islands, including Santa Barbara Island, Santa Catalina Island, San Nicholas Island, and San Clemente Island. Because of their access to certain resources, including a steatite source from Santa Catalina Island, this group was among the wealthiest and most populous aboriginal groups in all of southern California. Trade of materials and resources controlled by the Gabrielino extended as far north as the San Joaquin Valley, as far east as the Colorado River, and as far south as Baja California (Bean and Smith 1978; Kroeber 1925).

The Luiseño were a seasonal hunting and gathering people with cultural elements that were very distinct from the Archaic Period peoples, including cremation, the use of the bow and arrow, and use of the acorn as a main food staple (Moratto 1984). Along the coast, the Luiseño made use of available marine resources by fishing and collecting mollusks for food. Seasonally available terrestrial resources, including acorns and game, were also sources of nourishment for Luiseño groups. The elaborate kinship and clan systems between the Luiseño and other groups facilitated

a wide-reaching trade network that included trade of Obsidian Butte obsidian and other resources from the eastern deserts and steatite from the Channel Islands.

2.3.2 Historic Period

The historic background of the project area began with the Spanish colonization of Alta California. The first Spanish colonizing expedition reached southern California in 1769 with the intention of converting and civilizing the indigenous populations, as well as expanding the knowledge of and access to new resources in the region (Brigandi 1998). In the late eighteenth century, the San Gabriel (Los Angeles County), San Juan Capistrano (Orange County), and San Luis Rey (San Diego County) missions began colonizing southern California and gradually expanded their use of the interior valley (into what is now western Riverside County) for raising grain and cattle to support the missions (Riverside County n.d.). The San Gabriel Mission claimed lands in what is now Jurupa, Riverside, San Jacinto, and the San Gorgonio Pass, while the San Luis Rey Mission claimed land in what is now Lake Elsinore, Temecula, and Murrieta (American Local History Network: Riverside County, California 1998). The indigenous groups who occupied these lands were recruited by missionaries, converted, and put to work in the missions (Pourade 1964). Throughout this period, the Native American populations were decimated by introduced diseases, a drastic shift in diet resulting in poor nutrition, and social conflicts due to the introduction of an entirely new social order (Cook 1976).

In the mid- to late 1770s, Juan Bautista de Anza passed through much of Riverside County while searching for an overland route from Sonora, Mexico to San Gabriel and Los Angeles and described fertile valleys, lakes, and sub-desert areas (American Local History Network: Riverside County, California 1998; Riverside County n.d.). In 1797, Father Presidente Lausen, Father Norberto de Santiago, and Corporal Pedro Lisalde led an expedition from Mission San Juan Capistrano through southwestern Riverside County in search of a new mission site before constructing Mission San Luis Rey in northern San Diego County (Brigandi 1998).

While no missions were ever built in what would become Riverside County (American Local History Network: Riverside County, California 1998), many mission outposts, or *asistencias,* were established in the early years of the nineteenth century to extend the missions' influence to the backcountry (Brigandi 1998). Two outposts that were located in Riverside County include San Jacinto and Temecula.

Mexico gained independence in 1822 and desecularized the missions in 1832, signifying the end of the Mission Period (Brigandi 1998; Riverside County n.d.). By this time, the missions owned some of the best and most fertile land in southern California. In order for California to develop, the land would have to be made productive enough to turn a profit (Brigandi 1998). The new government began distributing the vast mission holdings to wealthy and politically connected Mexican citizens. The "grants" were called "ranchos," of which Jurupa, El Rincon, La Sierra, El Sobrante de San Jacinto, La Laguna (Lake Elsinore), Santa Rosa, Temecula, Pauba, San Jacinto Nuevo y Potrero, and San Jacinto Viejo were located in present-day Riverside County. Many of

these ranchos have lent their names to modern-day locales (American Local History Network: Riverside County, California 1998). Rancho Jurupa, the first grant located in present-day Riverside County, was given to Juan Bandini in 1838. These ranchos were all located in the valley environments typical of western Riverside County.

The treatment of Native Americans grew worse during the Rancho Period. Most of the Native Americans were forced off their land or put to work on the privately owned ranchos, most often as slave labor. In light of the brutal ranchos, the degree to which Native Americans had become dependent on the mission system is evident when, in 1838, a group of Native Americans from the San Luis Rey Mission petitioned government officials in San Diego to relieve suffering at the hands of the rancheros:

> We have suffered incalculable losses, for some of which we are in part to be blamed for because many of us have abandoned the Mission … We plead and beseech you … to grant us a Rev. Father for this place. We have been accustomed to the Rev. Fathers and to their manner of managing the duties. We labored under their intelligent directions, and we were obedient to the Fathers according to the regulations, because we considered it as good for us. (Brigandi 1998:21)

Native American culture had been disrupted to the point where they could no longer rely on prehistoric subsistence and social patterns. Not only does this illustrate how dependent the Native Americans had become upon the missionaries, but it also indicates a marked contrast in the way the Spanish treated the Native Americans as compared to the Mexican and United States ranchers. Spanish colonialism (missions) is based upon utilizing human resources while integrating them into their society. The ranchers, both Mexican and American, did not accept Native Americans into their social order and used them specifically for the extraction of labor, resources, and profit. Rather than being incorporated, they were either subjugated or exterminated (Cook 1976).

In 1846, war erupted between Mexico and the United States. In 1848, with the signing of the Treaty of Guadalupe Hidalgo, the region was annexed as a territory of the United States, and in 1850, California became a state. These events generated a steady flow of settlers into the area, including gold miners, entrepreneurs, health-seekers, speculators, politicians, adventurers, seekers of religious freedom, and individuals desiring to create utopian colonies.

In early 1852, the Native Americans of southern Riverside County, including the Luiseño and the Cahuilla, thought they had signed a treaty resulting in their ownership of all lands from Temecula to Aguanga, east to the desert, including the San Jacinto Valley and the San Gorgonio Pass. The Temecula Treaty also included food and clothing provisions for the Indians. However, Congress never ratified the treaties, and the promise of one large reservation was rescinded (Brigandi 1998).

With the completion of the transcontinental railroad in 1869, land speculators, developers,

and colonists began to invest in southern California. The first colony in what was to become Riverside County was Riverside itself. Judge John Wesley North, an abolitionist from Tennessee, brought a group of associates and co-investors out to southern California and founded Riverside on part of the Jurupa Rancho. A few years after, the navel orange was planted and found to be such a success that it quickly became the agricultural staple of the region (American Local History Network: Riverside County, California 1998).

By the late 1880s and early 1890s, there was growing discontent between Riverside and San Bernardino, its neighbor 10 miles to the north, due to differences in opinion concerning religion, morality, the Civil War, politics, and fierce competition to attract settlers. After a series of instances in which charges were claimed about unfair use of tax monies to the benefit of the city of San Bernardino only, several people from Riverside decided to investigate the possibility of a new county. In May of 1893, voters living within portions of San Bernardino County (to the north) and San Diego County (to the south) approved the formation of Riverside County. Early business opportunities were linked to the agriculture industry, but commerce, construction, manufacturing, transportation, and tourism also provided a healthy local economy. By the time of Riverside County's formation, Riverside had grown to become the wealthiest city per capita in the country due to the successful cultivation of the navel orange (American Local History Network: Riverside County, California 1998; Riverside County n.d.).

History of the Lake Elsinore Area

The region of Lake Elsinore started to develop in 1883 with the emergence of the railroad. The railroad brought a steady stream of settlers, miners, and prospectors into the area, thereby creating the community of Lake Elsinore. By 1884, the developing town had a school and post office established, and in 1893, the town officially became recognized as the City of Lake Elsinore. In the late nineteenth century, the town experienced a boom due to the mining of gold between the towns of Elsinore and nearby Perris. The most prosperous mine was Good Hope Mine, which produced over $2 million worth of gold (Hudson 1978). In addition to the mining of gold, Lake Elsinore is also known for the mining of tin ore, coal, clay, and asbestos. Following the mining boom, Lake Elsinore began to bring in many tourists due to boat and auto racing and the lakefront resorts. The earliest attraction of Lake Elsinore was the legendary Crescent Bathhouse, which was built in 1923. Historically, the Crescent Bathhouse has attracted many Hollywood stars, such as Will Rodgers. The bathhouse was declared a National Historic Place on July 30, 1975 (Hudson 1978). In 1932, the Ortega Highway was opened, as well as the airport, continuing to bring people into the city. The Great Depression limited expansion, except for the completion of a new post office in 1932 (Hudson 1978).

2.4 Research Goals

The primary goal of the research design is to attempt to understand the way in which humans have used the land and resources within the project area through time, as well as to aid in

the determination of resource significance. The scope of work for the archaeological program conducted for the Nichols Ranch Project included the survey of 72.5 acres, the relocation of Site RIV-8120, the identification of any previously unrecorded sites and isolates within the APE, and the subsequent evaluation of said resources. Given the area involved and the narrow focus of the cultural resources study, the research design for this project was necessarily limited and general in nature. Since the main objective of the investigation was to identify the presence of cultural resources within the project, the research goal was not necessarily to answer wide-reaching theories regarding the development of early southern California, but to investigate the role and importance of the identified resources. Nevertheless, the assessment of the significance of a resource must take into consideration a variety of characteristics, as well as the ability of the resource to address regional research topics and issues.

Although initial site evaluation investigations are limited in terms of the amount of information available, several specific research questions were developed that could be used to guide the initial investigations of any observed cultural resources. The basic research effort employed for this project was focused upon the gathering of sufficient data regarding RIV-8120 and P-33-026830 to determine the boundaries of the resources, the depth, stratigraphy, and contents of any subsurface deposits, and the overall integrity of the site and isolate. Testing and recordation of the contents of the site and isolate would provide the basis to complete an analysis of spatial relationships of artifacts, features, and natural resources. This information ultimately forms the foundation to determine the period of use, site function, and potential to address more focused research questions. The following research questions take into account the small size and location of the project area discussed above.

Research Questions:

- Can the historic artifacts provide data to determine the specific time period, population, or individual responsible for the historic scatter?
- Do the types of located cultural resources allow a site activity/function to be determined from a preliminary investigation?
- Is the historic site associated with any other historic sites in adjacent parcels?
- Do the artifacts from the site provide any information regarding the population who utilized the roadside dump?

Data Needs

At the survey level, the principle research objective is a generalized investigation of changing settlement patterns in both the prehistoric and historic periods within the study area. The overall goal is to understand settlement and resource procurement patterns of the project area occupants. Therefore, adequate information on site function, context, and chronology from an archaeological perspective is essential for the investigation. The fieldwork and archival research was undertaken with these primary research goals in mind:

1) To identify cultural resources occurring within the project;
2) To determine, if possible, site type and function, context of the deposit, and chronological placement of each cultural resource identified;
3) To place each cultural resource identified within a regional perspective; and
4) To provide recommendations for the treatment of each of the cultural resources identified.

3.0 METHODOLOGY

The archaeological program for the Nichols Ranch Project consisted of an institutional records search, an intensive pedestrian survey of the proposed 72.5-acre property by qualified archaeologists, a testing and evaluation program for relocated historic Site RIV-8120 and previously unrecorded isolate P-33-026830, and preparation of this technical report. This archaeological study conformed to City of Lake Elsinore guidelines and the statutory requirements of CEQA and subsequent legislation (Section 15064.5). Specific definitions for archaeological resource type(s) used in this report are those established by the State Historic Preservation Office (SHPO March, 1995).

3.1 Archaeological Records Search

The records search conducted by the EIC at UCR was reviewed for an area of one mile surrounding the project in order to determine the presence of any previously recorded sites. Results of the records search are provided in Appendix C and discussed in Section 4.1. The EIC also provided the standard review of the National Register of Historic Places and the Office of Historic Preservation Historic Property Directory. Land patent records, held by the Bureau of Land Management (BLM) and accessible through the BLM General Land Office (GLO) website, were also reviewed for pertinent project information. In addition, the BFSA research library was consulted for any relevant historical information.

3.2 Field Methodology

Archaeological records search results indicated that portions of the Nichols Ranch Project property have been previously surveyed as part of two different studies (Drover 1987; Lerch and Gray 2006). In accordance with City of Lake Elsinore and CEQA review requirements, an intensive pedestrian reconnaissance was conducted that employed a series of parallel survey transects spaced at five- to 15-meter intervals to locate archaeological sites within the project. The archaeological survey of the project was conducted on March 22 and December 6, 2017. The entire project was covered by the survey process. Photographs were taken to document project conditions during the survey (see Section 4.2). Ground visibility throughout the property ranged from good to excellent with minimal ground cover. The survey resulted in the relocation of one previously recorded site (RIV-8120), which consists of a historic roadside dump, and one prehistoric isolate (P-33-026830), which consists of two lithic flakes.

The Phase II testing and evaluation programs for RIV-8120 and P-33-026830 were conducted on April 18, 20, 21, and 24, 2017. The cultural resource test strategy employed consisted of the detailed recordation of the collection of any surface artifacts, the completion of subsurface investigations, and a significance evaluation. All surface artifacts that were collected within the project boundaries were mapped using a Trimble GeoXT Global Positioning System (GPS) unit equipped with TerraSync software. The GPS data was utilized to plot the

archaeological site boundaries and surface expressions.

Subsurface testing was completed at RIV-8120 and P-33-026830 to evaluate the CEQA significance and determine if any significant cultural resources would be impacted by the project. Subsurface examinations were conducted through the excavation of a series of STPs to determine if cultural deposits were present. Placement of the STPs was dependent upon surface artifact concentrations and areas of soil accumulation. The shovel test series consisted of 30-by-30-centimeter excavations, which proceeded in decimeter levels downward a minimum depth of 30 centimeters where sufficient soils remained. Following STP excavations, a single one-by-one-meter archaeological test unit was placed in the location of highest concentration in order to determine the subsurface extent of the site. The test unit was hand-excavated in decimeter levels until sterile soils were encountered. All excavated soils were sifted through one-eighth-inch mesh hardware cloth. Any recovery was bagged according to provenience and depth and transferred to the BFSA laboratory for processing.

3.3 Laboratory Methods

In keeping with generally accepted archaeological procedures and utilizing a classification system commonly employed in this region, the collected artifacts were categorized as to artifact class, material class, and technological class. Comparative collections at the BFSA laboratory were employed in identifying the unusual or highly fragmentary specimens as necessary. After cataloging and identification, the collections were marked with the appropriate provenience and catalog information, and then packaged for permanent curation. No specialized studies were conducted based upon the limits of the materials recovered from across the project. In general, all testing was limited to nondestructive analysis. Any destructive analysis (*i.e.,* radiometric dating) would be subject to approval by the consulting tribe(s), with the exception of historic artifacts.

Historic Artifact Sorting and Analysis

The sorting technique for the historic artifact collection included the sorting, identification, and cataloging of all materials returned to the BFSA laboratory. Bulk items such as small fragments of ceramic and nondescript glass and metal were weighed and cataloged en masse, by material type, for each level. All remaining artifacts were separated by class and type, and bagged accordingly. All artifacts were identified and entered into a database to produce an artifact catalog.

Historic Artifact Functional Categories

Artifacts were prepared for cataloging according to standard laboratory practices. Items that were covered in dirt to the point of obscuring relevant characteristics were dry brushed or wiped with a damp cloth in order to enhance the artifact description. Each catalog entry was bagged in a two-millimeter-thick archival quality bag labeled with location and catalog number information. Information recorded about cataloged artifacts includes provenience and depth, material, quantity and/or weight, artifact type, functional category, and a brief description of the

artifact(s), which includes any diagnostic information about manufacturing methods, brand or product marks, and manufacturers' marks. Artifacts sharing the same provenience, material, and color characteristics, but that were fragmentary, were assigned a single catalog number. Artifacts were classified by functional category for purposes of analysis. These functional categories have been outlined by Van Wormer et al. (2005) and include:

- *Consumer Items* – Consumer items consist of packaged items purchased and consumed on a regular basis. Generally, these include groceries, medicines, and beverages. Under most conditions, consumer items recovered from archaeological deposits came in containers that do not deteriorate over time, such as glass or ceramic bottles and jars, and in some instances, tin cans.

- *Kitchen Items* – Kitchen items are defined as objects used in tasks of food preparation, serving, and consumption. These types of artifacts may include ceramic kitchen and tableware, glass tableware, canning jars, canning jar lids and related items, cooking utensils, and flatware.

- *Household Items* – Household items are mainly related to a house structure and its furnishings, and also include non-food-related items used by the inhabitants. Artifact classes and types considered part of this category include lamps, household ceramics, batteries, household cleaners, and household glassware.

- *Garment Items* – Garment items would include all items related to clothing, including objects such as buckles, buttons, and shoe parts.

- *Personal Items* – Personal items would be associated with an individual rather than a household, and are therefore not generally shared. Artifact classes and types in this category include grooming and hygiene products, cosmetic/beauty products, clothing items, personal adornment items such as jewelry, eyeglasses, and hair adornment, keys, pocket tools, purses, smoking-related items, and portable musical instruments.

- *Toys and Games* – Toys and games can include marbles, jacks, dominos, toy dolls and toys in general.

- *Hardware Items* – Hardware items are manufactured items used in the construction or maintenance of a residence and include screws, nails, hinges, handles, and plumbing or electric parts.

- *Transportation Items* – Transportation items include artifacts beyond those items that

would otherwise be associated with livery items. Transportation artifacts are associated with the advent of mass transportation or mechanical advances associated with the automobile.

- *Building Materials and Architecture Items* – Building materials and architecture items are related to the construction and maintenance of buildings and structures. This includes items such as door and lock parts, nails, window glass, concrete, electrical hardware, etc.

- *Unidentifiable Items* – Items too small or fragmentary to identify to artifact type may be placed in this category.

3.4 Report Preparation and Recordation

This report contains information regarding previous studies, statutory requirements for the project, a brief description of the setting, research methods employed, and the overall results of the survey. The report includes all appropriate illustrations and tabular information needed to make a complete and comprehensive presentation of these activities, including the methodologies employed and the personnel involved. A copy of this report will be placed at the EIC at UCR. Any newly recorded sites or sites requiring updated information will be recorded on the appropriate DPR forms, which will be filed with the EIC.

3.5 Native American Consultation

The analysis of site components and artifacts did not indicate Native American religious, ritual, or other special activities at this location. In addition, BFSA requested a review of the Sacred Lands File (SLF) by the Native American Heritage Commission (NAHC) to determine if any recorded Native American sacred sites or locations of religious or ceremonial importance are present within one mile of the project. The NAHC SLF search did not indicate the presence of a sacred site within the search radius. A list of Native American contacts was also provided by the NAHC. In accordance with the recommendations of the NAHC, BFSA contacted all tribal Native American consultants listed in the NAHC response letter.

As of the date of this report, four groups have responded. Two responses from the Agua Caliente Band of Cahuilla Indians indicated that the project is not located within their Traditional Use Area and deferred to other tribes in the area. The Rincon Band of Luiseño Indians indicated that the project is not within Rincon's Historic Boundaries and deferred to more local tribes. The Augustine Band of Cahuilla Indians indicated that they were unware of any specific cultural resources that may be affected by the proposed project, but recommended that a qualified Native American monitor be present during the pre-construction and construction phases of the project. Finally, a response from the Soboba Band of Luiseño Indians stated that the project area does fall within the bounds of their Tribal Traditional Use Areas and requested to be included in the

mandatory Assembly Bill (AB) 52 consultation process; they have also requested that a Native American monitor be present during any ground disturbing proceedings for the project. All correspondence is provided in Appendix D.

3.6 Applicable Regulations

Resource importance is assigned to districts, sites, buildings, structures, and objects that possess exceptional value or quality illustrating or interpreting the heritage of the Lake Elsinore area of Riverside County in history, architecture, archaeology, engineering, and culture. A number of criteria are used in demonstrating resource importance. Specifically, criteria outlined in CEQA provide the guidance for making such a determination. The following sections detail the CEQA criteria that a resource must meet in order to be determined important.

3.6.1 California Environmental Quality Act

According to CEQA (§15064.5a), the term "historical resource" includes the following:

1) A resource listed in, or determined to be eligible by the State Historical Resources Commission, for listing in the California Register of Historical Resources (Public Resources Code SS5024.1, Title 14 CCR. Section 4850 et seq.).
2) A resource included in a local register of historical resources, as defined in Section 5020.1(k) of the Public Resources Code or identified as significant in an historical resource survey meeting the requirements of Section 5024.1(g) of the Public Resources Code, shall be presumed to be historically or culturally significant. Public agencies must treat any such resource as significant unless the preponderance of evidence demonstrates that it is not historically or culturally significant.
3) Any object, building, structure, site, area, place, record, or manuscript which a lead agency determines to be historically significant or significant in the architectural, engineering, scientific, economic, agricultural, educational, social, political, military, or cultural annals of California may be considered to be an historical resource, provided the lead agency's determination is supported by substantial evidence in light of the whole record. Generally, a resource shall be considered by the lead agency to be "historically significant" if the resource meets the criteria for listing on the California Register of Historical Resources (Public Resources Code SS5024.1, Title 14, Section 4852) including the following:

    a) Is associated with events that have made a significant contribution to the broad patterns of California's history and cultural heritage;
    b) Is associated with the lives of persons important in our past;
    c) Embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of an important creative individual,

or possesses high artistic values; or

d) Has yielded, or may be likely to yield, information important in prehistory or history.

4) The fact that a resource is not listed in, or determined eligible for listing in the California Register of Historical Resources, not included in a local register of historical resources (pursuant to Section 5020.1(k) of the Public Resources Code), or identified in an historical resources survey (meeting the criteria in Section 5024.1(g) of the Public Resources Code) does not preclude a lead agency from determining that the resource may be an historical resource as defined in Public Resources Code Section 5020.1(j) or 5024.1.

According to CEQA (§15064.5b), a project with an effect that may cause a substantial adverse change in the significance of an historical resource is a project that may have a significant effect on the environment. CEQA defines a substantial adverse change as:

1) Substantial adverse change in the significance of an historical resource means physical demolition, destruction, relocation, or alteration of the resource or its immediate surroundings such that the significance of an historical resource would be materially impaired.
2) The significance of an historical resource is materially impaired when a project:

   a) Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its inclusion in, or eligibility for, inclusion in the California Register of Historical Resources; or
   b) Demolishes or materially alters in an adverse manner those physical characteristics that account for its inclusion in a local register of historical resources pursuant to Section 5020.1(k) of the Public Resources Code or its identification in an historical resources survey meeting the requirements of Section 5024.1(g) of the Public Resources Code, unless the public agency reviewing the effects of the project establishes by a preponderance of evidence that the resource is not historically or culturally significant; or,
   c) Demolishes or materially alters in an adverse manner those physical characteristics of an historical resource that convey its historical significance and that justify its eligibility for inclusion in the California Register of Historical Resources as determined by a lead agency for purposes of CEQA.

Section 15064.5(c) of CEQA applies to effects on archaeological sites and contains the following additional provisions regarding archaeological sites:

1) When a project will impact an archaeological site, a lead agency shall first determine whether the site is an historical resource, as defined in subsection (a).
2) If a lead agency determines that the archaeological site is an historical resource, it shall refer to the provisions of Section 21084.1 of the Public Resources Code, Section 15126.4 of the guidelines, and the limits contained in Section 21083.2 of the Public Resources Code do not apply.
3) If an archaeological site does not meet the criteria defined in subsection (a), but does meet the definition of a unique archaeological resource in Section 21803.2 of the Public Resources Code, the site shall be treated in accordance with the provisions of Section 21083.2. The time and cost limitations described in Public Resources Code Section 21083.2 (c-f) do not apply to surveys and site evaluation activities intended to determine whether the project location contains unique archaeological resources.
4) If an archaeological resource is neither a unique archaeological nor historical resource, the effects of the project on those resources shall not be considered a significant effect on the environment. It shall be sufficient that both the resource and the effect on it are noted in the Initial Study or EIR, if one is prepared to address impacts on other resources, but they need not be considered further in the CEQA process.

Section 15064.5 (d) and (e) contain additional provisions regarding human remains. Regarding Native American human remains, paragraph (d) provides:

(d) When an initial study identifies the existence of, or the probable likelihood, of Native American human remains within the project, a lead agency shall work with the appropriate Native Americans as identified by the NAHC as provided in Public Resources Code SS5097.98. The applicant may develop an agreement for treating or disposing of, with appropriate dignity, the human remains and any items associated with Native American burials with the appropriate Native Americans as identified by the NAHC. Action implementing such an agreement is exempt from:

    1) The general prohibition on disinterring, disturbing, or removing human remains from any location other than a dedicated cemetery (Health and Safety Code Section 7050.5).
    2) The requirement of CEQA and the Coastal Act.

4.0 RESULTS

4.1 Records Search Results

An archaeological records search for the project was requested from the EIC at UCR. The EIC reported that one cultural resource (RIV-8120) was located within the subject property and an additional 32 cultural resources are recorded within a one-mile radius (Table 4.1–1). Site RIV-8120 is recorded as a historic refuse scatter. The 32 cultural resources located within a one-mile radius of the project include: bedrock milling features, lithic artifact scatters, prehistoric isolates, historic mining sites, historic foundations, landscaping, and building debris, historic building remains, historic residences, the American Pacific Trust buildings, a historic railroad truss/bridge, a historic earthen reservoir and concrete standpipe, historic trash scatters and artifact concentrations, a historic racetrack, and the Elsinore Valley and Home of Peace Jewish cemeteries. The site record form for Site RIV-703 was incomplete. Additional cultural resources identified during tribal consultation, which are considered significant to representing tribes, may also be located within the project. However, the location and nature of these resources cannot be disclosed in a public document. Brief descriptions of the 33 recorded sites located within one mile of the project are provided in Table 4.1–1 and the complete records search results are provided in Appendix C.

Table 4.1–1
Archaeological Sites Located Within
One Mile of the Nichols Ranch Project

Site(s)	Description
P-33-016641	Bedrock milling features
RIV-8102	Bedrock milling feature with a lithic scatter
RIV-659, RIV-3451, RIV-4110, and RIV-6032	Lithic artifact scatter(s)
P-33-011722, P-33-012659, P-33-012660, P-33-015793, P-33-017024, P-33-017576, and P-33-023880	Prehistoric isolate(s)
RIV-8105	Historic mining site with four linear trenches and an abandoned railroad grade
RIV-8106	Historic mining site with three ephemeral prospecting pits
RIV-8226	Historic concrete foundation, landscape vegetation, and some asphalt pavement
RIV-8862	Historic house foundations, landscaping, a retaining wall, two uncovered vaults, a metal pump, and demolition debris
RIV-8865	Historic foundations and building debris
RIV-8866	Historic building remains

Site(s)	Description
P-33-007175 and P-33-017021	Historic residence
P-33-017019	American Pacific Trust office buildings
RIV-3832/H	Historic railroad truss/bridge
P-33-016643	Historic earthen reservoir and a concrete standpipe
RIV-3858, RIV-8116, RIV-8367, RIV-8861, and RIV-8863	Historic trash scatter
RIV-8120*	Twelve historic artifact concentrations
RIV-8132/H	Elsinore Valley Cemetery and Home of Peace Jewish Cemetery
RIV-11,588	Historic racetrack with concrete risers for bleachers
RIV-703	Site form incomplete

**Located within project APE*

The records search also indicated that 36 cultural resource studies have been conducted within a one-mile radius of the proposed project (Table 4.1–2). The results from the records search indicated that two of these previous studies covered portions of the proposed project (Drover 1987; Lerch and Gray 2006). The SRI study completed in 2006 resulted in the recordation of RIV-8120 (Lerch and Gray 2006).

Table 4.1–2
Previous Studies Conducted Within
One Mile of the Nichols Ranch Project

Billat, Lorna
2005 Collocation ("CO") Submission Packet for Project Elsinore Outlets/CA-8860A. Earthtouch, Inc. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Brady, Jon L. and John L.R. Whitehouse
2004 Archaeological Survey Report for the Lake Elsinore Square Project, Riverside County, California. J&R Environmental. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Brock, James
1986 Archaeological Assessment of the Eda Grant Project Areas, City of Lake Elsinore. Archaeological Advisory Group. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Brown, Joan C.
1989 Cultural Resources Reconnaissance for the Pacific West Outlet Center, Lake Elsinore, Riverside County, California. RMW Paleo Associates. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Crownover, Scott, Jane Rosenthal, Jason Marmor, and Beth Padon
1990 Cultural Resource Assessment, North Peak Project, Riverside County, California. LSA Associates, Inc. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Dillon, Brian D.
1990 Archaeological Assessment of CU 2973, A 20-Acre Parcel on El Toro Road Near Lake Elsinore, Riverside County, California. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Drover, C.E.
1987 An Archaeological Assessment of the Biddle Property Feasibility Study, Temescal Canyon, Riverside County, California. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

1988 An Archaeological Assessment of an Addendum to the Biddle Property/Alberhill Ranch Feasibility Study – Temescal Canyon, Riverside County, California. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

1990 Environmental Impact Evaluation: An Archaeological Assessment of the North Alberhill Ranch Project, Temescal Valley, Alberhill, California. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Evans, Stuart A.
1990 Cultural Resources Reconnaissance of Project Number 533-0769-78, 27 Acres in Elsinore, Riverside County, California. RMW Paleo Associates. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Grenda, Donn R.
1997 Continuity and Change 8,500 Years of Adaption on the Shores of Lake Elsinore. Statistical Research, Inc. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Hammond, Stephen
1978 Cultural Resources Survey of Two Materials Sources, Murrieta Creek and the Joe Deleo, Jr. Property, Riverside County, California. Department of Transportation, District 8. Submitted

to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Jones, Carleton S.
1992 The Development of Cultural Complexity Among the Luiseño. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Kice, David and Nancy Desautels
1993 Cultural Resources Assessment of the Collier Avenue Improvement Project Area, Riverside County, California. Scientific Resource Surveys. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Lerch, Michael K., Anne Q. Stoll, and Patrick B. Stanton
2006 Cultural Resource Assessment of the Fogarty Substation, Lake Elsinore Area, Riverside County, California. Statistical Research, Inc. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Lerch, Michael K. and Marlesa A. Gray
2006 Cultural Resource Assessment of the Valley Ivyglen Transmission Line Project, Riverside County, California. Statistical Research, Inc. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Love, Bruce and Bai "Tom" Tang
1995 Identification and Evaluation of Historic Properties: Temescal Valley Intertie Project, Elsinore Valley Municipal Water District, Riverside County, California. CRM Tech. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

1998 Cultural Resources Report: Temescal Valley Regional Interceptor, Santa Ana Watershed Project Authority, Riverside County, California. CRM Tech. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Lowell, John Bean, Sylvia Brakke Vane, Mathew C. Hall, Harry Lawton, Richard Logan, Lee Gooding Massey, John Oxendine, Charles Rozaire, and David P. Whistler
1979 Cultural Resources and the Devers-Mira 500 kV Transmission Line Route (Valley to Mira Loma Section). Cultural Systems Research, Inc. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Maxon, Patrick

2009 Phase I Cultural Resources Inventory, Elsinore Valley Municipal Water District Plan EIR, County of Riverside, California. BonTerra Consulting. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

McKenna et al.

2005 Letter Report: El Torro Road Pipeline Replacement Project, Lake Elsinore, Riverside County, California. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Michael Bradman Associates

2008 Letter Report: Cultural Resource Records Search and Site Visit Results for Royall Street Communications California. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Mirro, Vanessa and Tracy Formica

2009 Phase I Cultural Resources Inventory, Elsinore Valley Municipal Water District Plan EIR, County of Riverside, California. Applied Earth Works, Inc. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Oxendine, Joan

1983 The Luiseño Village During the Late Prehistoric Era. University of California, Riverside. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Parr, Robert E.

1988 An Archaeological Assessment of 20 Acres of Land (Assessor's Parcel 347-28-10) Located Near Lake Elsinore in Riverside County, California. Archaeological Research Unit, U.C. Riverside. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Petersen, C.J., Rachel Greeley, and Bruce Love

1992 Cultural Resources Assessment: Pala Road Bridge Sewer and Road Realignment Project at Temecula Creek, Temecula Area of Riverside County, California. Archaeological Research Unit, U.C. Riverside. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Portillo, Garth

1975 Final Report: Mitigation of Archaeological Site 4-RIV-659, Nichols Road, Elsinore. Archaeological Research Unit, U.C. Riverside. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Rogers, Malcolm J.
1953 Miscellaneous Field Notes – Riverside County. San Diego Museum of Man. On file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Salpas, Jean
1984 An Archaeological Assessment of Proposed Class II Sanitary Landfill Site NO. 9A, Riverside County, California. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Schmidt, James
2007 DWO 6077-4800; AI#7-4801, -4802, 4807, 4809, AI# 6-4800, -4884, -4886, -4887. Various Circuits, Riverside County. Compass Rose. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Shinn, Juanita
1990 Addendum To: Cultural Resources Reconnaissance for the Pacific West Outlet Center, Lake Elsinore, Riverside County, California. RMW Paleo Associates. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Strum, Broadley L.
1992 Archaeological Investigations at CA-RIV-4110 and CA-RIV-3858, Lake Elsinore, California. Archaeological Associates. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Underbrink, Susan
2007 Cultural Resources Survey Report for Elsinore Business Park, Lake Elsinore, Riverside County, California. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Wade, Sue A. and Susan M. Hector
1989 A Cultural Resource Survey of the Proposed Rancho-Temecula Effluent Pipeline From Temecula to Warm Springs in the Elsinore Valley With Additional Consideration of the Surface Water Discharge Into Temescal Wash. RECON. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

White, Laurie S.
1991 An Archaeological Assessment Of 120+ Acres Located Adjacent to Interstate-15 South In Walker Canyon, Alberhill, Riverside County. Archaeological Associates. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

White, Robert S.
1996 An Archaeological Assessment of Six Alternative Dechlorination and Energy Dissipation Sites for the Eastern Municipal Water District Reach 4 Project Located in the Lake Elsinore Area of Riverside County. L&L Environmental. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

In addition, the EIC reviewed the following historic sources:

- The National Register of Historic Places Index
- The Office of Historic Preservation, Archaeological Determinations of Eligibility
- The Office of Historic Preservation, Directory of Properties in the Historic Property Data File
- The 30' USGS *Elsinore* topographic map (1901)

BFSA also requested a records search of the SLF of the NAHC. The NAHC SLF search did not indicate the presence of a sacred site within the search radius. A list of Native American contacts was also provided by the NAHC. In accordance with the recommendations of the NAHC, BFSA contacted all Native American consultants listed in the NAHC response letter.

As of the date of this report, four groups have responded. Two responses from the Agua Caliente Band of Cahuilla Indians indicated that the project is not located within their Traditional Use Area and deferred to other tribes in the area. The Rincon Band of Luiseño Indians indicated that the project is not within Rincon's Historic Boundaries and deferred to more local tribes. The Augustine Band of Cahuilla Indians indicated that they were unware of any specific cultural resources that may be affected by the proposed project, but recommended that a qualified Native American monitor be present during the pre-construction and construction phases of the project. Finally, a response from the Soboba Band of Luiseño Indians stated that the project area does fall within the bounds of their Tribal Traditional Use Areas and requested to be included in the mandatory AB 52 consultation process; they have also requested that a Native American monitor be present during any ground disturbing proceedings for the project. Additionally, the Soboba Band of Luiseño Indians has indicated that two Traditional Cultural Properties and/or Traditional Cultural Landscapes may overlap the project area. However, these properties are not currently documented as part of the National Register, nor were they reported by the NAHC. All correspondence is provided in Appendix D.

4.1.1 Historic Research Results

The Nichols Ranch Project is located within the former Rancho La Laguna land grant recorded in 1844. The grant, originally given to Julián Marríquez, included 22,884 acres in present-day Riverside and San Bernardino Counties. Following the Spanish-American land grant treaty, a patent for the La Laguna Rancho was filed by Abel Stearns with the Public Land

Commission in 1852. The patent was not recognized until 1872, and included 13,338.8 acres of the La Laguna Rancho. The land was surveyed in 1880, 1887 and 1890; each indicating that the subject property was part of the "La Laguna Rancho (Stearns)." USGS map data from 1898 to the present reveals that the Nichols Ranch Project remained undeveloped, aside from a few roads (paved and unpaved) that crossed through the project boundaries (BLM, GLO).

4.2 Results of the Field Survey

The archaeological survey of the project was conducted on March 22 and December 6, 2017. All elements of the survey were directed by Principal Investigator Brian F. Smith. The archaeological survey of the property was an intensive reconnaissance consisting of a series of parallel survey transects spaced at approximately five- to 15-meter intervals. The entire property was accessible with approximately 75 percent ground visibility, which was only affected by occasional ground vegetation. The entire property has been disturbed by agricultural activities including disking and plowing. A portion of the property was graded for the installation of a water tower. The property lies at the base of the foothills associated with Walker Canyon to the northwest. Elevations across the property range from approximately 1,280 to 1,368 feet AMSL. Highly weathered and deteriorating granitic bedrock outcrops are scattered throughout the foothills with multiple large seasonal drainages. Photographs were taken to document project conditions at the time of the survey (Plates 4.2–1 and 4.2–2).

Plate 4.2–1: Overview of the project from the adjacent property, facing southwest.

Plate 4.2–2: Overview of the project, facing west.

The survey resulted in the relocation of one previously recorded historic refuse scatter (RIV-8120) and one previously unrecorded isolate (P-33-026830) comprised of two prehistoric lithic flakes. Phase II significance testing and evaluations were recommended for both resources, as is stipulated by CEQA and City of Lake Elsinore guidelines. The following sections detail the results of the Phase II testing. The locations of the site and isolate within the project APE are illustrated on the USGS map in Figure 4.2–1 and on the development map in Figure 4.2–2.

Figure 4.2–1
Cultural Resource Location Map

(Deleted for Public Review; Bound Separately)

Figure 4.2–2
Cultural Resources Shown on Project Development Map

(Deleted for Public Review; Bound Separately)

4.3 Results of Significance Testing – Site RIV-8120

4.3.1 Site Description

Site RIV-8120 was identified as a historic refuse scatter comprising 12 artifact concentrations during a 2006 survey by SRI (Lerch and Gray 2006). BFSA archaeologists relocated the site during the Phase I archaeological survey in the northwestern portion of the project APE. This site is bounded by a large southwest trending drainage to the east and Nichols Road to the north (see Figure 4.2–1), and likely developed as a result of roadside trash dumping that is still occurring within the project area. At the time of the Phase II field effort, nearly half of the site had been cleared and graded for the placement of a water tank. Additionally, the remainder of Site RIV-8120 was disturbed by repeated agricultural disking. Because of this disturbance, the boundaries of the artifact locations as defined by Lerch and Gray (2006) have been spread throughout the site area, resulting in the identification of a total of 20 surface collection areas (or artifact concentrations). Vegetation at the site during testing was minimal, which allowed for excellent surface visibility. Consumer cans, bottles, and household refuse deposited between the 1930s and 1950s were identified on the surface of the site. The setting of the site during Phase II testing is shown in Plate 4.3–1.

Plate 4.3–1: Overview of Site RIV-8120, facing southwest.

4.3.2 Description of Field Investigations

Site RIV-8120 had not been tested during the 2006 investigation by SRI. For the 2017 field investigation conducted by BFSA, the standard methodologies described in Section 3.0 were employed. Testing of the site was conducted on April 18, 20, 21, and 24, 2017, and involved collecting select diagnostic surface artifacts from the 20 identified surface collection areas, excavating a series of 17 STPs, and excavating a single one-by-one meter archaeological test excavation unit (TU 1). Cultural materials were recovered from fifteen of the STPs and from TU 1. The site measures approximately 459 feet (140 meters) from east to west by 262 feet (80 meters) north to south. The configuration of the site is shown on Figure 4.3–1.

Surface Recordation

The entire surface of the site was inspected for artifacts. Because many of the artifacts were fragmented or redundant in nature, only a representative sample of artifacts diagnostic as to origin, function, or date were collected from each surface collection area. Surface collection areas were recorded using sub-meter GPS technology, collected in bags labeled with provenience information, and returned to the BFSA laboratory. A total of 200 artifacts were recovered from the surface of the site (41.67 percent of all artifacts recovered at Site RIV-8120). Plate 4.3–2 displays an example of a surface collection area at Site RIV-8120. Table 4.3–1 details all artifacts recovered from the surface of the site and can be found Appendix F.

Plate 4.3–2: Overview of a surface collection area at Site RIV-8120.

Figure 4.3–1
Excavation Location Map
Site RIV-8120

(Deleted for Public Review; Bound Separately)

Subsurface Excavation

The potential for subsurface archaeological deposits at Site RIV-8120 was investigated by excavating 17 STPs throughout the known site area. Placement of STPs was determined by the surface artifact concentrations (see Figure 4.3–1). STPs were excavated in decimeter levels until a sterile level reached, between 30 and 40 centimeters below ground surface. Of the 17 STPs excavated at the site, 15 STPs were positive for cultural materials. The soil from the shovel tests can be characterized as yellowish brown (10YR 5/8), loose, sandy silt. A total of 143 identifiable cultural materials were recovered from shovel test excavations (29.79 percent of all artifacts recovered at Site RIV-8120). Once the potential for subsurface concentrations was delineated by STP excavation, a single test unit (TU 1) was excavated. The test unit was placed in an area which showed the highest diversity and density for cultural materials. TU 1 was excavated in decimeter levels to 50 centimeters, when a sterile level was encountered. Soil from the test unit consisted only of the yellowish brown (10YR 5/8) loose, sandy silt encountered in the shovel tests. A total of 137 identifiable artifacts were recovered from the test unit excavation (28.54 percent of all artifacts recovered at Site RIV-8120). Tables 4.3–2 and 4.3–3 detail all artifacts recovered from STP excavation and test unit excavation, and their associated soils, and can be found Appendix F. Plate 4.3–2 shows TU 1, following excavation.

Plate 4.3–3: Overview of TU 1 at 50 centimeters, facing north.

4.3.3 Historic Artifact Analysis

For Site RIV-8120, analysis was conducted for the purpose of developing functional artifact patterns or profiles, such as those established by South (1977). The subsequent analysis resulted in the identification of an estimated minimum number of individual artifacts and bulk weights of nondiagnostic or unidentifiable materials. For the current study, all artifactual material was cleaned and identifiable items were cataloged according to material, type, product, functional category, technology, origin, size, pattern, identifying marks, manufacturer, and date, when possible. The full artifact catalog for RIV-8120 may be found in Appendix G. The resulting information was employed to provide relevant data for functional artifact patterning, consumption patterns of bottled products, and ceramic economic scaling. The resulting analyses were used to help answer the research questions posed previously in Section 3.0.

Cultural materials represented at the site are predominately glass (N= 265; 55.21 percent), followed by metal (N=143; 29.79 percent), and ceramic (N=66; 13.75 percent). Of the nondiagnostic bulk items recovered, the majority are metal (7,432.8 grams), glass (2,608.1 grams), and brick (185.5 grams). Table 4.3–4 details the cultural materials recovered from Site RIV-8120.

Table 4.3– 4
Cultural Materials Recovered From
Site RIV-8120

Cultural Material	Recovery Type			Total	Percent
	Surface Collection	Shovel Test	Test Unit		
Ceramic	31	18	17	66	13.75
Glass	126	76	63	265	55.21
Metal	40	47	56	143	29.79
Plastic	1	1	1	3	0.63
Rubber	2	1	-	3	0.63
Bulk Items (in grams)					
Brick	-	185.5	-	185.5	
Ceramic	-	-	16.7	16.7	
Glass	109.4	750.6	1,748.1	2,608.1	
Metal	-	257.6	7,175.2	7,432.8	
Total*	200	143	137	480	100.00†
Percent	41.67	29.79	28.54	100.00†	

**Totals do not include grams*
†Rounded totals may not equal 100.00 percent

TU 1 yielded mostly glass (N=63; 45.99 percent), metal (N=56; 40.88 percent), and ceramic (N=17; 12.41 percent) artifacts. The depositional pattern within the test unit indicted that

the zero- to 10-centimeter level contained the majority of artifacts (N=106; 77.37 percent), followed by the 10- to 20-centimeter level (N=22, 16.06 percent) (Table 4.3–5).

Table 4.3–5
Test Unit Excavation Data
Site RIV-8120

Test Unit	Cultural Material	Depth (cm)					Total	Percent
		0-10	10-20	20-30	30-40	40-50		
1	Ceramic	11	3	2	1	-	17	12.41
	Glass	52	7	2	2	-	63	45.99
	Metal	42	12	2	-	-	56	40.88
	Plastic	1	-	-	-	-	1	0.73
	Bulk Items (in grams)							
	Ceramic	-	16.7	-	-	-	16.7	
	Glass	1,100.5	602.3	34.3	11.0	-	1,748.1	
	Metal	7,113.5	43.9	10.7	7.1	-	7,175.2	
Total*		106	22	6	3	0	137	100.00†
Percent		77.37	16.06	4.38	2.19	0.00	100.00†	

**Totals do not include weights in grams*
†Rounded totals may not equal 100.00 percent

Of the artifacts recovered from the surface of the site, most were glass (N=126; 63.00 percent), metal (N=40; 20.00 percent), and ceramic (N=31; 15.50 percent). From within the surface collection (SC) areas, SC 5 and SC 8 (N=19; 9.50 percent, each) were most numerous in artifact recovery (Table 4.3–6). Of the artifacts recovered from the shovel tests, most were glass (N=76; 53.15 percent), metal (N=47; 32.87 percent), and ceramic (N=18; 12.59 percent). From within the shovel tests, STP 13 (N=25; 17.48 percent) and STP 4 (N=20; 13.99 percent) were the most numerous in artifact recovery (Table 4.3–7).

All 480 artifacts recovered from site RIV-8120 were identifiable to functional categories (Table 4.3–8). Items classified as consumer items comprise the majority of identifiable items recovered (N=286; 59.58 percent), followed by kitchen items (N=105; 21.88 percent), and household items (N=41; 8.54 percent). Table 4.3–8 lists the diagnostic artifacts associated with each functional category represented, and also provides a breakdown of materials represented by weights of fragmented building materials, nondiagnostic container glass (consumer items), household cleaner bottles (household items), nondiagnostic ceramic vessel and canning jar fragments (kitchen items), nondiagnostic cosmetic jar fragments (personal items), and unidentifiable metal fragments (unidentifiable items).

Table 4.3–6
Surface Collection Data
Site RIV-8120

Cultural Material	Surface Collection																				Total	Percent
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
Ceramic	2	-	3	1	2	4	1	3	2	3	1	-	-	1	2	1	1	1	3	-	31	15.50
Glass	8	7	5	4	14	9	11	13	4	3	6	4	4	5	4	6	6	4	7	2	126	63.00
Metal	-	2	3	6	3	1	1	3	4	1	3	-	3	3	3	2	-	-	1	1	40	20.00
Plastic	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	0.50
Rubber	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	2	1.00
Bulk Items (in grams)																						
Glass	-	9.8	-	-	32.4	-	-	-	-	-	-	-	-	-	-	11.0	-	56.2	-	-	109.4	
Total*	11	9	11	11	19	14	13	19	10	7	10	4	7	9	10	9	7	6	11	3	200	100.00†
Percent	5.50	4.50	5.50	5.50	9.50	7.00	6.50	9.50	5.00	3.50	5.00	2.00	3.50	4.50	5.00	4.50	3.50	3.00	5.50	1.50	100.00†	

**Totals do not include grams*
†Rounded totals may not equal 100.00 percent

Table 4.3–7
Shovel Test Excavation Data
Site RIV-8120

Cultural Material	Shovel Test																Total	Percent
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
Ceramic	3	-	-	1	2	1	1	-	1	1	-	2	3	-	-	3	18	12.59
Glass	5	-	10	10	4	2	5	1	6	3	1	5	10	2	7	5	76	53.15
Metal	5	-	2	9	4	-	1	-	-	2	-	-	11	3	7	3	47	32.87
Plastic	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	0.70
Rubber	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	0.70
Bulk Items (in grams)																		
Brick	-	-	65.6	-	-	-	-	-	-	-	-	119.9	-	-	-	-	185.5	
Glass	19.9	-	101.6	111.7	30.1	54.6	58.6	16.9	68.1	31.1	18.5	23.8	61.7	23.9	26.4	103.7	750.6	
Metal	-	-	7.7	66.0	47.5	5.9	6.1	7.3	5.2	40.0	5.5	21.3	27.8	9.0	5.2	3.1	257.6	
Total*	13	0	12	20	10	3	7	1	7	6	1	7	25	5	15	11	143	100.00†
Percent	9.09	0.00	8.39	13.99	6.99	2.10	4.90	0.70	4.90	4.20	0.70	4.90	17.48	3.50	10.49	7.69	100.00†	

**Totals do not include grams*

†Rounded totals may not equal 100.00 percent

Table 4.3– 8
Functional Categories Represented
Site RIV-8120

Functional Category	Recovery Type			Total	Percent
	Surface Collection	Shovel Test	Test Unit		
Building Material	2	1	4	7	1.46
Consumer	109	92	85	286	59.58
Garment	3	2	1	6	1.25
Hardware	2	3	7	12	2.50
Household	22	6	13	41	8.54
Kitchen	46	34	25	105	21.88
Personal	11	2	-	13	2.71
Toys and Games	2	2	-	4	0.83
Transportation	2	-	-	2	0.42
Unidentifiable	1	1	2	4	0.83
Bulk Items (in grams)					
Building Material	107.8	342.5	431.0	881.3	
Consumer	-	628.8	1,305.3	1,934.1	
Household	-	18.2	-	18.2	
Kitchen	1.6	-	16.7	18.3	
Personal	-	-	11.8	11.8	
Unidentifiable	-	204.2	7,175.2	7,379.4	
Total*	200	143	137	480	100.00†
Percent	41.67	29.79	28.54	100.00†	

**Totals do not include grams*
†Rounded totals may not equal 100.00 percent

All of the 137 artifacts recovered from test unit excavation were identifiable to functional categories. Of the 106 artifacts recovered from the zero- to 10-centimeter level, 65 were classified as consumer items (61.32 percent) and 21 were classified as kitchen items (19.81 percent). The 10- to 20-centimeter level was comprised mostly of consumer items (N=17; 77.27 percent). Of the 200 artifacts recovered from surface collecion areas, all were identifiable to functional categories, the majority of which were from SC 5 and SC 8. From SC 5, the majority were consumer items (N=8; 42.11 percent) and kitchen items (N=5; 26.32 percent). SC 8 was also comprised mostly of consumer items (N=11; 57.89 percent) and kitchen items (N=4; 21.05 percent). Shovel test excavations yielded 143 artifacts identifiable to functional categories, mostly from STP 13 and STP 4. STP 13 yield mostly consumer items (N=12; 48.00 percent) and kitchen items (N=9; 36.00 percent), and STP 4 was comprised mostly of consumer items (N=17; 85.00

percent). Tables 4.3–9 through 4.3–11 show the distribution of functional categories in TU 1, surface collections, and STPs.

Table 4.3– 9

Functional Categories Represented by Cultural Materials Recovered From Test Unit 1
Site RIV-8120

Functional Category	Depth (cm)					Total	Percent
	0-10	10-20	20-30	30-40	40-50		
Building Materials	4	-	-	-	-	4	2.92
Consumer	65	17	2	1	-	85	62.04
Garment	1	-	-	-	-	1	0.73
Hardware	7	-	-	-	-	7	5.11
Household	6	3	2	2	-	13	9.49
Kitchen	21	2	2	-	-	25	18.25
Unidentifiable	2	-	-	-	-	2	1.46
Bulk Items (in grams)							
Building Materials	256.2	170.3	4.5	-	-	431.0	
Consumer	832.5	432.0	29.8	11.0	-	1,305.3	
Kitchen	-	16.7	-	-	-	16.7	
Personal	11.8	-	-	-	-	11.8	
Unidentifiable	7,113.5	43.9	10.7	7.1	-	7,175.2	
Total*	106	22	6	3	-	137	100.00†
Percent	77.37	16.06	4.38	2.19	-	100.00†	

**Totals do not include grams*
†Rounded totals may not equal 100.00 percent

Consumer Items

In general, consumer items are packaged products purchased and consumed on a consistent basis. These can include a range of items that represent common beverage containers, condiment and food bottles, and cans. Consumer items recovered from archaeological deposits were generally distributed in containers made of glass, ceramic, and metal that preserve well in the archaeological record over time. Consumer items comprise 59.58 percent (N=286) of all artifacts recovered from Site RIV-8120. From within TU 1, the majority of the consumer item recovery came from the zero- to 10-centimeter level (N=65; 76.47 percent) and the 10- to 20-centimeter level (N=17; 20.00 percent). Consumer items recovered from surface collections were most numerous from within SC 8 (N=11; 10.09 percent) and SC 4 (N=9; 8.26 percent). STP 4 contained the most consumer items recovered from shovel tests (N=17; 18.48 percent), followed by STP 13 (N=12; 13.04 percent).

Table 4.3–10

Functional Categories Represented by Cultural Materials Recovered From Surface Collections
Site RIV-8120

Functional Category	Surface Collection																				Total	Percent
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20		
Building Material	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	2	1.00
Consumer	7	4	7	9	8	5	7	11	6	1	4	4	4	6	5	7	4	3	6	1	109	54.50
Garment	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	1	-	-	3	1.50
Hardware	-	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	2	1.00
Household	2	4	-	1	1	1	3	3	1	1	-	-	-	-	2	-	1	1	-	1	22	11.00
Kitchen	2	1	4	1	5	4	3	4	2	4	4	-	-	1	2	1	2	1	5	-	46	23.00
Personal	-	-	-	-	3	2	-	1	-	1	2	-	1	1	-	-	-	-	-	-	11	5.50
Toys & Games	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1.00
Transportation	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1	2	1.00
Unidentifiable	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	0.50
Bulk Items (in grams)																						
Building Material	-	9.8	-	-	32.4	-	-	-	-	-	-	-	-	-	-	11.0	-	54.6	-	-	107.8	
Kitchen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.6	-	-	1.6	
Total*	11	9	11	11	19	14	13	19	10	7	10	4	7	9	10	9	7	6	11	3	200	100.00†
Percent	5.50	4.50	5.50	5.50	9.50	7.00	6.50	9.50	5.00	3.50	5.00	2.00	3.50	4.50	5.00	4.50	3.50	3.00	5.50	1.50	100.00 †	

**Totals do not include grams*

†Rounded totals may not equal 100.00 percent

Table 4.3–11

Functional Categories Represented by Cultural Materials Recovered From Shovel Tests
Site RIV-8120

Functional Category	Shovel Test																Total	Percent
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
Building Material	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	0.70
Consumer	3	-	9	17	7	2	4	-	5	5	1	4	12	4	11	8	92	64.34
Garment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	2	1.40
Hardware	2	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	3	2.10
Household	3	-	-	-	-	-	1	-	-	-	-	1	-	-	1	-	6	4.20
Kitchen	5	-	3	2	3	1	1	1	2	1	-	2	9	1	1	2	34	23.78
Personal	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	2	1.40
Toys & Games	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	2	1.40
Unidentifiable	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	0.70
Bulk Items (in grams)																		
Building Material	4.2	-	65.6	12.7	4.9	10.3	6.0	2.1	18.8	5.3	1.8	119.9	14.3	-	-	76.6	342.5	
Consumer	15.7	-	101.6	94.5	72.7	50.2	52.6	14.8	49.3	25.8	16.7	23.8	47.4	23.9	26.4	13.4	628.8	
Household	-	-	-	4.5	-	-	-	-	-	-	-	-	-	-	-	13.7	18.2	
Unidentifiable	-	-	7.7	66.0	-	-	6.1	7.3	5.2	40.0	5.5	21.3	27.8	9.0	5.2	3.1	204.2	
Total*	13	-	12	20	10	3	7	1	7	6	1	7	25	5	15	11	143	100.00†
Percent	9.09	-	8.39	13.99	6.99	2.10	4.90	0.70	4.90	4.20	0.70	4.90	17.48	3.50	10.49	7.69	100.00†	

**Totals do not include grams*
†Rounded totals may not equal 100.00 percent

The majority of items that make up this category include beverage, alcohol, and condiment bottles. In addition, 1,934.1 grams of nondiagnostic container fragments (bottle and jar body fragments) were recovered. Most items are broken and identification of individual items was made through analysis of bases, necks, and embossed or impressed pieces. All of the consumer jars and bottles that still retained their finishes or bases were manufactured with automated bottling machines. Fully automated bottling machines were first introduced in late 1904, and became widely used in 1905. Many of the bottles recovered exhibit valve ejection marks on their bases. Valve ejection marks are small perfect circles that were produced on bottles made on semi- to fully-automatic press and blow machines. The circle is produced when the bottle is ejected from the bottle mold. Automatic press and blow machines were used primarily from the early 1900s to the late 1940s, but most commonly from about 1910 to 1949 (Lindsey 2015). Some of the bottles also exhibit stippling on their bases and bodies. Stippling was introduced on ABM bottles in the early 1940s, and is still in use today (Lindsey 2015).

Kitchen Items

Kitchen items may be defined as those items related to food preparation, the serving or presentation of food, and general food consumption. Kitchen items are the second most abundant category in the Site RIV-8120 assemblage, comprising 21.88 percent (N=105) of all artifacts recovered. Of the kitchen items recovered from TU 1 (N=25), the zero- to 10-centimeter level (N=21; 84.00 percent) produced the highest number of kitchen item recovery, followed by the 10- to 20- and 20- to 30-centimeter levels, which each produced two kitchen items (8.00 percent, each). Kitchen items recovered from surface collection areas (N=46) were most numerous in SC 5 and SC 19, each producing five kitchen items (10.87 percent, each), followed by SC 3, SC 6, SC 8, SC 10, and SC 11 (N=4; 8.70 percent, each). Of those kitchen items that were recovered from STP excavation (N=34), the majority were recovered from STP 13 (N=9; 26.47 percent), followed by STP 1 (N=5; 14.71 percent). Artifacts recovered include ceramic kitchen and tableware, glass tableware and canning jars, and graniteware. A majority of the kitchen items recovered from Site RIV-8120 (N=45; 42.86 percent) are porcelain and stoneware tableware, which were primarily manufactured in the United States or Europe. In addition, 18.3 grams of nondiagnostic kitchen items were also collected from Site RIV-8120.

Household Items

Household items constitute 8.54 percent (N=41) of the Site RIV-8120 assemblage. These artifacts include those things that are necessary for the daily maintenance of a household. The household artifacts recovered include a wide variety of articles including lamp parts, decorative vessels, and household cleaners. Of the household items recovered from TU 1 (N=13), the highest amount of household item recovery came from the zero- to 10-centimeter level (N=6; 46.15 percent) followed by the 10- to 20-centimeter level (N=3; 23.08 percent). For surface collection areas, household recovery (N=22) was most numerous from within SC 2 (N=4; 18.18 percent),

followed by SC 7 and SC 8 (N=3; 13.64 percent, each). STP excavations yielded the fewest household items (N=6; 14.63 percent) of the RIV-8120 assemblage, with STP 1 producing the highest amount of household item recovery (N=3; 50.00 percent).

Personal Items

Personal items would have been kept for individual use, such as jewelry or watches, cosmetics, and toiletries. Personal items represent the fourth most abundant category within RIV-8120, comprising 2.71 percent (N=13) of all artifacts recovered. No personal items were recovered from TU 1. Surface collection areas yielded most of the personal items recovered from RIV-8120 (N=11; 84.62 percent), with SC 5 having the highest concentration of personal items (N=3; 27.27 percent), followed by SC 6 and SC 11 (N=2; 18.18 percent, each). From shovel test excavation, one personal item each was recovered from STP 4 and STP 13, comprising all of the personal items for shovel test excavations. Personal items recovered include a hair comb, toiletry and cosmetic bottles.

Hardware Items

Hardware items are manufactured items used in the construction or maintenance of a residence and include screws, nails, hinges, handles, and plumbing or electric parts. Twelve hardware items were recovered from the RIV-8120 assemblage (2.50 percent). From within TU 1, all of the hardware items recovered came from the zero- to 10-centimeter level (N=7; 100.00 percent). Two hardware items were recovered from surface collection areas, one each from SC 5 and SC 14 (50.00 percent, each). From shovel test excavation, two hardware items were recovered from STP 1 (66.67 percent), and one hardware item was recovered from STP 13 (33.33 percent).

All Other Functional Categories

The remaining functional categories represented by identifiable cultural materials each account for less than 2.00 percent of the Site RIV-8120 artifact assemblage. These functional categories include building materials (N=7; 1.46 percent), garment items (N=6; 1.25 percent), toys and games (N=4; 8.03 percent), unidentifiable items (N=4; 0.83 percent), and transportation items (N=2; 0.42 percent).

Temporally Diagnostic Artifacts

In order to more accurately date the assemblage recovered from RIV-8120, only those items representing expendable consumer, cosmetic, toiletry, and medical items were used in assigning it a date range to the deposit. Upon review of the 267 temporally diagnostic artifacts (Table 4.3–12 in Appendix F), the refuse deposit feature appears to represent a period between the early 1900s and the 1980s, with the earliest potential manufacture date of the items being 1897 to 1950, and the latest potential manufacture date being 1932 to the present. Most items share a manufacture date overlap of 1930 to 1960. This date range overlap is reflected throughout the site

RIV-8120 area. Artifacts recovered from TU 1 do not show any depositional correlation to artifact manufacture dates, which indicates that Site RIV-8120 is a roadside refuse dumping area that was likely used throughout 1930 to 1960.

4.3.4 Summary of Site RIV-8120

A total of 480 historic artifacts, 7,432.8 grams of metal fragments (unidentifiable items and consumer can fragments), 2,608.1 grams of nondiagnostic glass fragments (container and window glass fragments), 185.5 grams of brick fragments (building materials), and 16.7 grams of ceramic tableware fragments (kitchen items) were collected from RIV-8120. Historic research determined that no residence has ever been located or nearby the site. Additionally, no features were identified at site RIV-8120 that might indicate excavation of a refuse pit by possible inhabitants. It is likely that site RIV-8120 was used throughout 1930 to 1960 for roadside trash dumping.

Of the ceramic assemblage recovered from the site (N=66), 71.21 percent is tableware (N=47), which is primarily stoneware (N=36; 76.60 percent) and porcelain (N=9; 19.15 percent). Items not classified as stoneware or porcelain are glazed earthenware (N=2; 4.26 percent). The ceramics exhibit designs including polychrome floral and geometric transferprinted motifs under clear glaze, scalloped rims, green striped rims, and plain, clear glazed items. Three of the four items that retained backstamps originated in the United States. Those items that do not contain legible backstamps are likely also from the Europe and the United States. This is indicated by the motifs, moldings, and patterns on the items. Each of these American ceramics was produced from 1916 at the earliest to 1968 at the latest. One of the ceramic tableware fragments was found to be of Japanese origin, as is indicated by the backstamp which states “Made In Japan.” This backstamp was used on Japanese exportware from 1921 to 1947.

The quantity and quality of consumer, personal, and kitchen items often suggest a certain level of economic status for the period. Larger quantities of high quality personal items, fine glassware, porcelain and stoneware ceramics, and consumer goods often indicate a higher economic standing. Based upon the materials recovered from the refuse deposit, however, it appears that families and individuals contributing to Site RIV-8120 were possibly lower to middle class in standing. This is substantiated by the small quantity of porcelain vessels and relatively inexpensive consumer and personal items. It is likely that the deposit was originally deposited between 1930 and 1960, based upon the overlap in manufacture date ranges for the temporally diagnostic and tableware items. The field investigations conducted by BFSA archaeologists resulted in the update of the boundary delineation of Site RIV-8120. RIV-8120 is characterized as a scatter of historic artifacts that reflect multiple episodes of roadside dumping dating from the 1930 to 1960, as is indicated by the temporally diagnostic items recovered. As Site RIV-8120 lacks an intact subsurface deposit and the ability to provide any future research potential, it is being evaluated as not significant under CEQA significance criteria.

Plate 4.3–3

Examples of Recovered Consumer Glass and Metal

Site RIV-8120

The Nichols Ranch Specific Plan Project

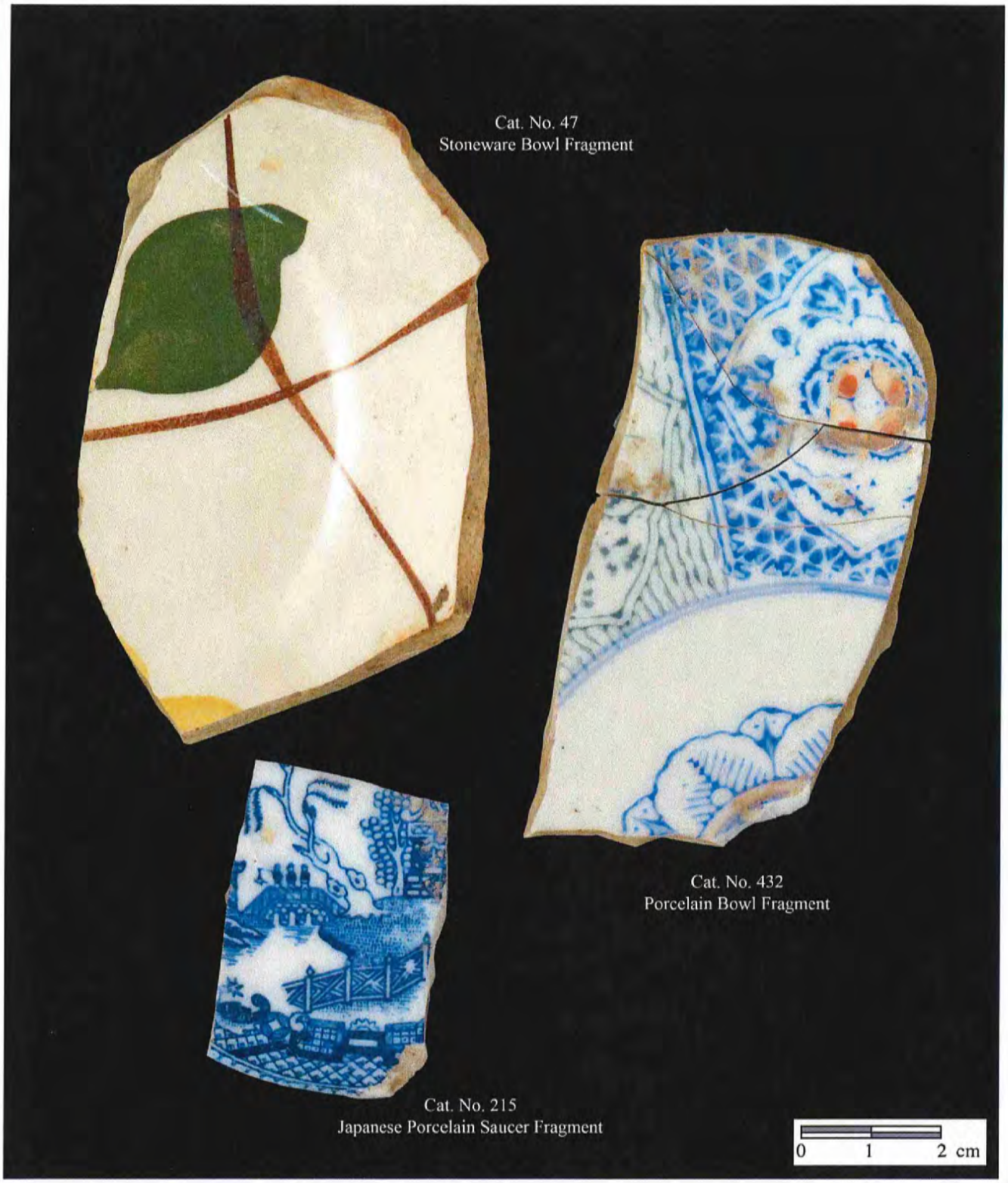


Plate 4.3–4

Examples of Recovered Kitchen Tableware

Site RIV-8120

The Nichols Ranch Specific Plan Project

Plate 4.3–5

Example of Recovered Household Glass

Site RIV-8120

The Nichols Ranch Specific Plan Project

Plate 4.3–6

Examples of Recovered Personal Items

Site RIV-8120

The Nichols Ranch Specific Plan Project

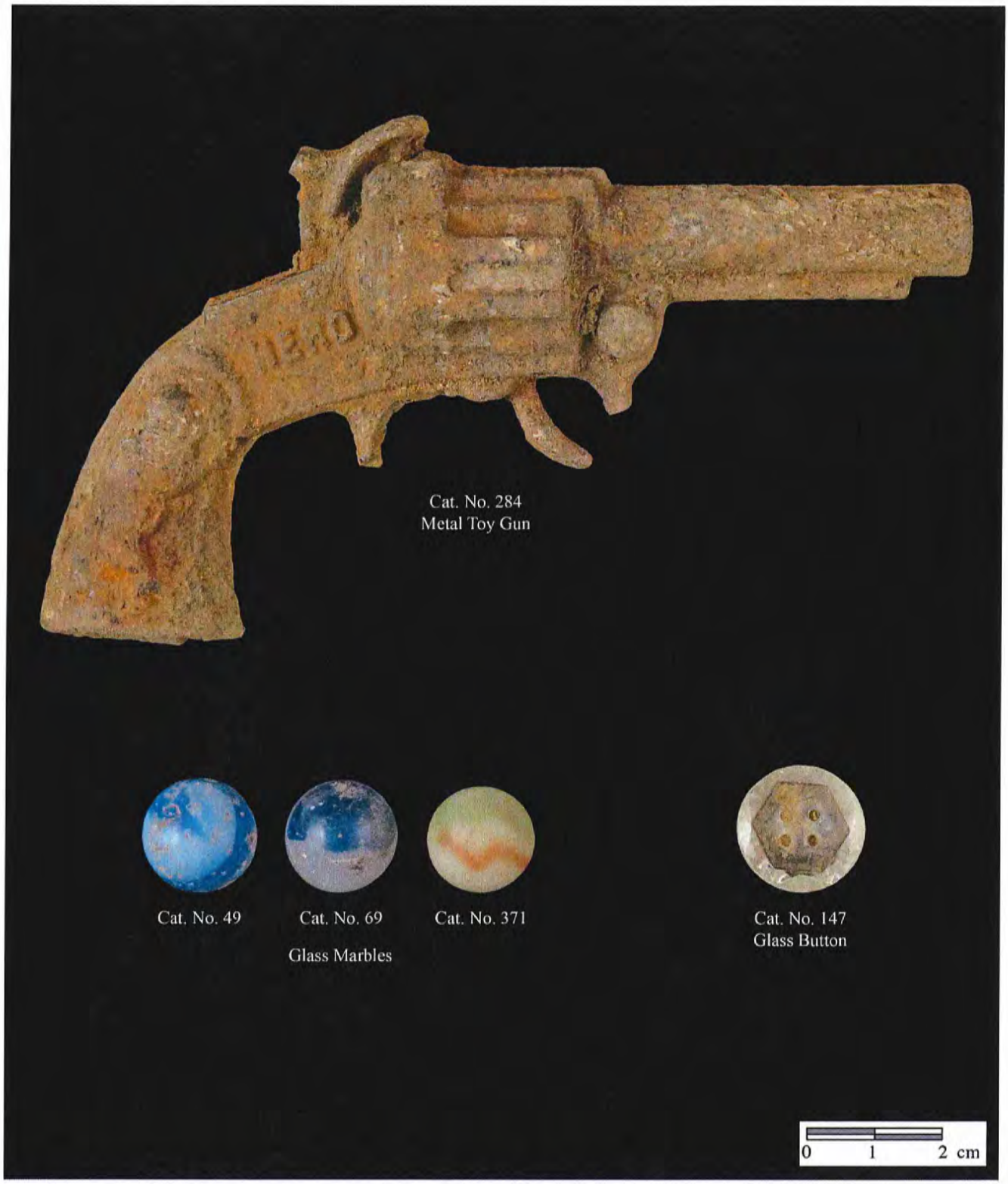


Plate 4.3–7

Example of Recovered Toys and Garment Item

Site RIV-8120

The Nichols Ranch Specific Plan Project

4.4 Results of Significance Testing – Isolate P-33-026830

4.4.1 Site Description

Isolate P-33-026830 was identified on March 22, 2017 by BFSA archaeologists as two prehistoric lithic flakes. Isolate P-33-026830 is located in the northwestern portion of the project APE, approximately 25 meters east of Wood Mesa Court, 100 meters south of Nichols Road, and east of a southwest-trending drainage (see Figure 4.2–1). The area surrounding P-33-026830 has been disturbed by agricultural disking. Vegetation present during testing was minimal, which allowed for excellent surface visibility. Two volcanic flakes were recovered from the surface of P-33-026830. The setting of P-33-026830 during Phase II testing is shown in Plate 4.4–1.

Plate 4.4–1: Overview of Isolate P-33-026830, facing east.

4.4.2 Description of Field Investigations

Employing the standard methodologies described in Section 3.0, testing of P-33-026830 was conducted on April 21, 2017 and involved collecting any surface artifacts and excavating a single STP. The configuration of P-33-026830 is shown on Figure 4.4–1.

Figure 4.4–1
Excavation Location Map
Isolate P-33-026830

(Deleted for Public Review; Bound Separately)

Surface Recordation

The entire surface of P-33-026830 was inspected for artifacts. Two volcanic flakes were recovered, recorded using sub-meter GPS technology, collected in bags labeled with provenience information, and returned to the BFSA laboratory. Table 4.4–1 details the artifacts recovered from surface collection.

Table 4.4–1
Surface Collection Data
Isolate P-33-026830

Surface Collection	Object Type	Material Type	Quantity	Cat. No.
1	Debitage	Volcanic	1	1
	Debitage	Volcanic	1	2
		Total	2	

Subsurface Excavation

The potential for subsurface archaeological deposits at P-33-026830 was investigated by excavating a single STP in the location of debitage recovery. The shovel test was excavated in decimeter levels to 30 centimeters. No cultural materials were recovered from the shovel test. Soil from the shovel test can be characterized as yellowish brown (10YR 5/8), loose, sandy silt. Table 4.4–2 details the subsurface content of the shovel test excavated.

Table 4.4– 2
Shovel Test Excavation Data
Isolate P-33-026830

Shovel Test	Depth (cm)	Soils	Object Type	Material Type	Quantity	Cat. No.
1	0-10	Yellowish brown (10YR 5/8) loose sandy silt	No Recovery			
	10-20					
	20-30					
				Total	0	

4.4.3 Summary of Isolate P-33-026830

The field investigations conducted by BFSA archaeologists resulted in the collection of two volcanic flakes from P-33-026830 and the excavation of one negative shovel test. As P-33-026830 lacks an intact subsurface deposit and the ability to provide any future research potential, it is being evaluated as not significant under CEQA significance criteria.

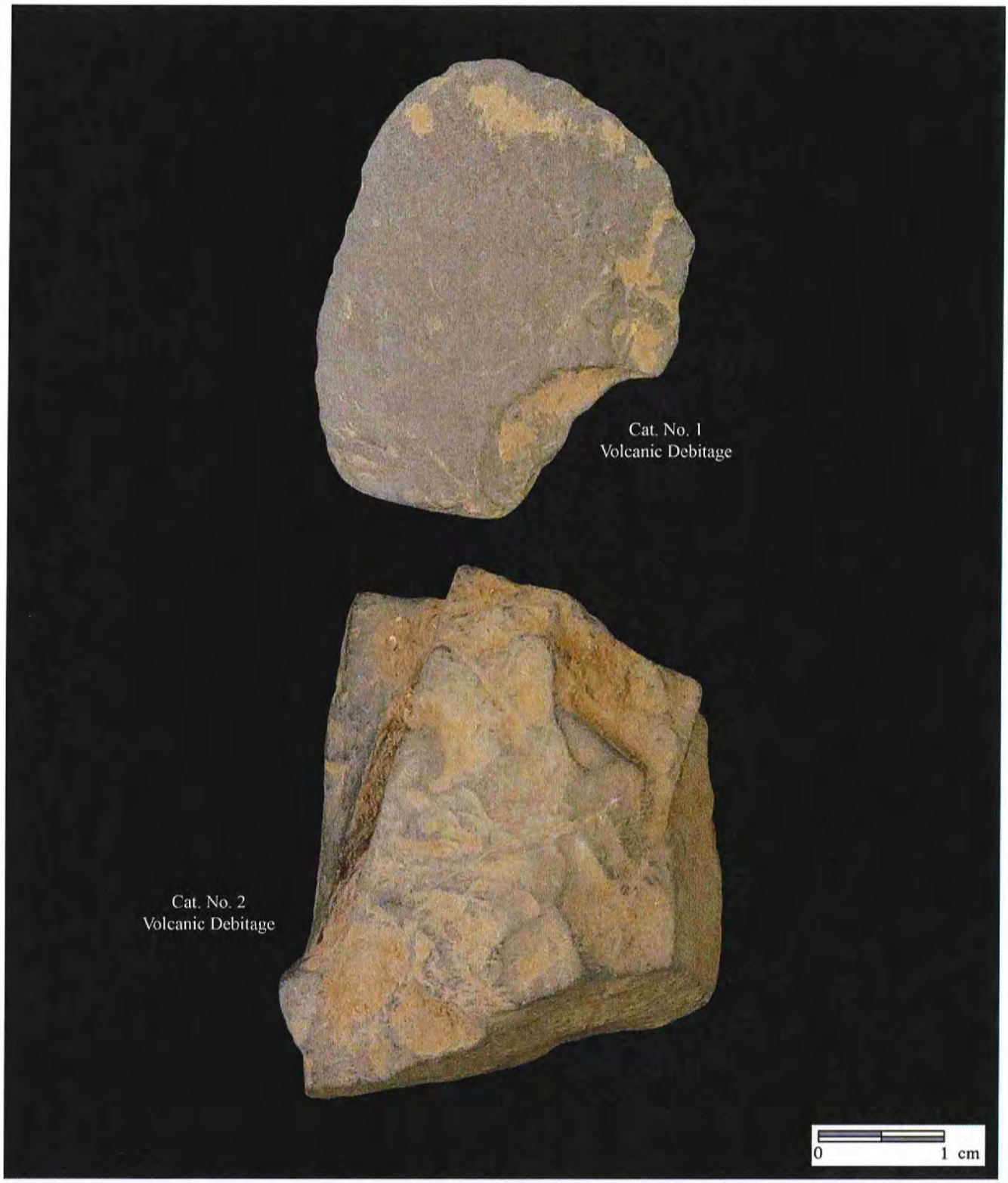


Plate 4.4–2

Recovered Artifacts

P-33-026830

The Nichols Ranch Specific Plan Project

5.0 RECOMMENDATIONS

The cultural resources study for the Nichols Ranch Project resulted in the relocation of one previously identified site, RIV-8120, and the identification of one new resource, P-33-026830. In order to accurately evaluate the identified archaeological resources and potential impacts of the project development on these resources, an archaeological testing program was required to augment the level of work completed as part of the Phase I survey. The archaeological study was completed in accordance with City of Lake Elsinore guidelines and CEQA (Section 15064.5) significance evaluation criteria. These guidelines allow an archaeological/historical resource to be identified as important if it can be demonstrated that the area, or persons associated with that area, exemplifies or reflects significant aspects of the cultural, political, economic, or social history of the nation, state, or local area.

Due to the lack of any significant subsurface deposits, RIV-8120 and P-33-026830 were determined to retain no further research potential beyond recording their locations and attributes, which has been completed. However, based upon the potential to encounter buried cultural materials during grading, it is recommended that all earth disturbance associated with the development of the project be monitored by an archaeologist. In addition, any Native Amercian representatives who requested to be part of the mitigation monitoring program during the AB 52 consultation process with the City of Lake Elsinore should be provided the opportunity to provide monitoring for grading activities associated with the project.

As part of the Conditions for Approval for the Nichols Ranch Project, all prehistoric and historic artifacts collected from the project may be permanently stored and curated at the Western Science Center in Hemet, California. However, prehistoric artifacts may also be repatriated to the consulting tribe(s) and possibly reburied on-site in a location designated for permanent open space. The determination of the disposition of Native American artifacts will be at the discretion of the participating Native American tribes.

5.1 Mitigation Monitoring

Monitoring during ground-disturbing activities, such as grading or trenching, by a qualified archaeologist and Native American monitor is recommended to ensure that if buried features (*i.e.,* human remains, hearths, or cultural deposits) are present, they will be handled in a timely and proper manner and treated in accordance with the requirements of CEQA and the City of Lake Elsinore, including input from the consulting tribe(s).

The qualified archaeologist and consulting tribe(s) shall attend a preconstruction meeting. At the preconstruction meeting, BFSA and the consulting tribe(s) will conduct Cultural Resources Worker Sensitivity Training to provide information to the grading contractor and other professionals involved in the on-site development regarding the sensitive cultural resources on the property and the protocol to be followed when artifacts or features are discovered. The training will include: a brief review of the cultural sensitivity of the project and surrounding area; resources

that could potentially be identified during earthmoving activities; requirements of the monitoring program; protocols that apply if inadvertent discoveries of cultural resources are identified, including who to contact and appropriate avoidance measures until the find(s) can be properly evaluated; and any other appropriate protocols. All new construction personnel that will conduct earthwork or grading activities that begin work on the project following the initial training must undergo the training program prior to beginning work. The project archaeologist and consulting tribe(s) shall make themselves available to provide the training on an as-needed basis. The monitoring program will follow the program outlined below.

Prior to the Initiation of Grading

1. BFSA and the consulting tribe(s) shall attend a preconstruction meeting. As part of that meeting, BFSA and the consulting tribe(s) will provide a contractor education program to inform all parties participating in the grading of the property of the sensitivity of the area to local Native American tribes and the potential to discover important prehistoric deposits during grading.

During Grading

1. Monitor(s) Shall Be Present During Grading/Excavation/Trenching
    a. The archaeological and tribal monitors shall be present full-time during all soil-disturbing and grading/excavation/trenching activities. The construction manager is responsible for notifying the archaeologist of changes to any grading activities, such as in the case of a potential safety concern within the area being monitored.
    b. The Principal Investigator (PI) may submit a detailed letter to the City of Lake Elsinore during grading requesting a modification to the monitoring program if circumstances are encountered that reduce the need for archaeological monitoring. The reduction in the need for archaeological monitoring may or may not coincide with the need for continued tribal monitoring.

2. Discovery Notification Process
    a. In the event of a discovery, the archaeological monitor and/or tribal monitor shall direct the contractor to temporarily divert all soil-disturbing activities, including, but not limited to, digging, trenching, excavating, or grading in the area of discovery and in the area reasonably suspected to overlay adjacent resources, and immediately notify the City of Lake Elsinore. Notification shall include recommendations for the evaluation of any discoveries and any Native American considerations.
    b. No soil shall be exported off-site until a determination can be made regarding the significance of the resource, especially if Native American resources are

encountered.

c. For discoveries identified as significant cultural sites, and which cannot be avoided, a Research Design and Archaeological Data Recovery Program (ADRP) to mitigate impacts shall be prepared by the PI, reviewed by the consulting tribe(s), and approved by the City of Lake Elsinore prior to the initiation of any mitigation measures or resumption of grading.
d. All artifacts recovered as part of an ADRP shall be analyzed and cataloged by the PI. All prehistoric and historic artifacts collected from the project may be permanently stored and curated at the Western Science Center in Hemet, California. However, prehistoric artifacts may also be repatriated to the consulting tribe(s) and possibly reburied on-site in a location designated for permanent open space. The determination of the disposition of Native American artifacts will be at the discretion of the participating Native American tribes.

3. Determination of Significance
    a. If a newly discovered resource is determined to be significant and cannot be preserved through avoidance and/or redesign, the PI shall submit an ADRP to the City of Lake Elsinore for review and authorization. Impacts to significant resources must be mitigated before ground-disturbing activities in the area of discovery will be allowed to resume.
    b. If the resource is not significant, the PI shall submit a letter to the City of Lake Elsinore indicating that artifacts will be collected, curated, and documented in the final monitoring report. The letter shall also indicate that no further work is required.

Discovery of Human Remains

If human remains are discovered, work shall halt in that area and no soil shall be exported off-site until a determination can be made regarding the provenance of the human remains. The following procedures as set forth in CEQA, Section 15064.5(e), the California Public Resources Code (Section 5097.98), and the State Health and Safety Code (Section 7050.5) shall be undertaken:

1. Notification
    a. The archaeological monitor or PI shall notify the City of Lake Elsinore of the discovery.
    b. The PI shall notify the county coroner of the discovery of human remains, either in person or via telephone.

2. Isolate Discovery Site
    a. Work shall be directed away from the location of the discovery and any nearby area reasonably suspected to overlay adjacent human remains until a determination can be made by the county coroner concerning the provenance of the remains. The potential remains will not be moved until the coroner can view and make a determination as to provenance.

3. If Human Remains ARE Determined to Be Native American
    a. The county coroner will notify the NAHC within 24 hours.
    b. The NAHC will immediately identify the person or persons determined to be the Most Likely Descendent (MLD) and provide contact information.
    c. The MLD will contact the property owner within 24 hours or sooner after the county coroner has completed coordination to begin the consultation process in accordance with CEQA, Section 15064.5(e), the Public Resources Code, and health and safety codes.
    d. The MLD will have 48 hours to make recommendations to the property owner or representative for the treatment or disposition with proper dignity of the human remains and associated grave goods.
    e. In the event that the NAHC is unable to identify the MLD; OR

        The MLD failed to make a recommendation within 48 hours after being notified by the NAHC; OR

        The landowner or authorized representative rejects the recommendation of the MLD and mediation in accordance with Public Resources Code 5097.94 (k) by the NAHC fails to provide measures acceptable to the landowner; THEN,

        The landowner or his or her authorized representative shall inter the human remains and items associated with Native American human remains with appropriate dignity on the property in a location not subject to further and future subsurface disturbance.

        In order to protect these sites, the landowner shall do one or more of the following:

            (1) Record the site with the NAHC.
            (2) Record an open space or conservation easement on the site.
            (3) Record a document with the City of Lake Elsinore.
            (4) It is understood by all parties that unless otherwise required by law, the

site of any reburial of Native American human remains or associated grave goods shall not be disclosed and shall not be governed by public disclosure requirements of the California Public Records Act. The county coroner, pursuant to the specific exemption set forth in California Government Code 6254 (r), all parties, and all lead agencies will be asked to withhold public disclosure information related to such reburial, pursuant to the specific exemption set forth in California Government Code 6254 (r).

4. If Human Remains Are NOT Native American
    a. Unless the potential human remains are clearly historic or modern in nature, the PI shall contact the county coroner and schedule a field visit to determine the provenance of the potential human remains.
    b. The county coroner will determine the appropriate course of action with the PI and the property owner (Public Resources Code 5097.98).

Post-Construction

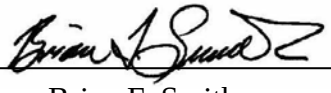
1. Preparation and Submittal of Monitoring Report
    a. The PI shall submit a monitoring report that describes the results, analysis, and conclusions of all phases of the archaeological monitoring program (with appropriate graphics).
    b. For significant archaeological resources encountered during monitoring, the ADRP shall be included in the monitoring report.
    c. The PI shall be responsible for recording (on the appropriate State of California DPR forms [523 A/B]) any significant or potentially significant resources encountered during the archaeological monitoring program and submit such forms to the EIC at UCR along with the monitoring report. Copies of the report will be distributed to the City of Lake Elsinore, Nichols Road Partners, LLC, and the consulting tribe(s).

2. Handling of Artifacts
    a. The PI shall be responsible for ensuring that all collected cultural remains are cleaned and cataloged.
    b. The PI shall be responsible for ensuring that all artifacts are analyzed to identify function and chronology as they relate to the history of the area; that faunal material is identified as to species; and that specialty studies are completed, as appropriate. Laboratory cataloging of Native American artifacts will not include any destructive analytical methods unless approved by the consulting tribe(s).

3. Curation of Artifacts
    a. All prehistoric and historic artifacts collected from the project may be permanently stored and curated at the Western Science Center in Hemet, California. However, prehistoric artifacts may also be repatriated to the consulting tribe(s) and possibly reburied on-site in a location designated for permanent open space. The determination of the disposition of Native American artifacts will be at the discretion of the participating Native American tribes.

6.0 CERTIFICATION

I hereby certify that the statements furnished above and in the attached exhibits present the data and information required for this archaeological report, and that the facts, statements, and information presented are true and correct to the best of my knowledge and belief.



May 7, 2019

Brian F. Smith
Principal Investigator

Date

7.0 REFERENCES

American Local History Network: Riverside County, California

1998 American Local History Network's Page for Riverside County, California. Electronic document, http://www.usgennet.org/usa/ca/county/riverside/, accessed March 28, 2006.

Bean, Lowell John and Charles R. Smith

1978 Serrano. *Handbook of North American Indians* Vol. 8. California. Smithsonian Institution, Washington, D.C.

Billat, Lorna

2005 Collocation ("CO") Submission Packet for Project Elsinore Outlets/CA-8860A. Earthtouch, Inc. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Brady, Jon L. and John L.R. Whitehouse

2004 Archaeological Survey Report for the Lake Elsinore Square Project, Riverside County, California. J&R Environmental. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Brian F. Smith and Associates, Inc.

Various Dates Research Library holdings including Sanborn Maps, City Directories, Published Regional Histories, and Geologic and Paleontological References.

Brigandi, Phil

1998 *Temecula: At the Crossroads of History*. Heritage Media Corporation, Encinitas, California.

Brock, James

1986 Archaeological Assessment of the Eda Grant Project Areas, City of Lake Elsinore. Archaeological Advisory Group. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Brown, Joan C.

1989 Cultural Resources Reconnaissance for the Pacific West Outlet Center, Lake Elsinore, Riverside County, California. RMW Paleo Associates. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Bureau of Land Management/General Land Office

Various Dates. Land Patent Records and Plat Maps. Accessed online at

http://www.glorecords.blm.gov.

Byrd, Brian F.
1998 Harvesting the Littoral Landscape During the Late Holocene: New Perspectives from Northern San Diego County. *Journal of California and Great Basin Anthropology* 20(2):195-218.

Cook, Sherburne F.
1976 *The Conflict Between the California Indian and White Civilization*. University of California Press, Berkeley and Los Angeles, California.

Crownover, Scott, Jane Rosenthal, Jason Marmor, and Beth Padon
1990 Cultural Resource Assessment, North Peak Project, Riverside County, California. LSA Associates, Inc. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Dillon, Brian D.
1990 Archaeological Assessment of CU 2973, A 20-Acre Parcel on El Toro Road Near Lake Elsinore, Riverside County, California. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Drover, C.E.
1987 An Archaeological Assessment of the Biddle Property Feasibility Study, Temescal Canyon, Riverside County, California. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

1988 An Archaeological Assessment of an Addendum to the Biddle Property/Alberhill Ranch Feasibility Study, Temescal Canyon, Riverside County, California. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

1990 Environmental Impact Evaluation: An Archaeological Assessment of the North Alberhill Ranch Project, Temescal Valley, Alberhill, California. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Erlandson, John M. and Roger H. Colten (editors)
1991 An Archaeological Context for Archaeological Sites on the California Coast. In *Hunter-Gatherers of Early Holocene Coastal California*, edited by J.M. Erlandson and R.H. Colten. Perspectives in California Archaeology, Volume 1, Institute of Archaeology, University of California, Los Angeles.

Evans, Stuart A.
1990 Cultural Resources Reconnaissance of Project Number 533-0769-78, 27 Acres in Elsinore, Riverside County, California. RMW Paleo Associates. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Fagan, B.
1991 *Ancient North America: The Archaeology of a Continent*. Thames and Hudson. London.

Gallegos, Dennis
1987 A Review and Synthesis of Environmental and Cultural Material for the Batiquitos Lagoon Region. In *San Dieguito-La Jolla: Chronology and Controversy*. edited by Dennis Gallegos. San Diego County Archaeological Society Research Paper (No. 1).

1992 Patterns and Implications of Coastal Settlement in San Diego County: 9000 to 1300 Years Ago. In *Essays on the Prehistory of Maritime California*, edited by Terry Jones. Center for Archaeological Research, Davis, California.

Gallegos, Dennis R. and Carolyn E. Kyle
1988 Five Thousand Years of Maritime Subsistence at Ballast Point Prehistoric Site SDI-48 (W-164) San Diego, California. Report on file at the South Coastal Information Center, San Diego State University, San Diego, California.

Grenda, Donn R.
1997 Continuity and Change: 8,500 Years of Lacustrine Adaption on the Shores of Lake Elsinore. Statistical Research, Inc. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Hammond, Stephen
1978 Cultural Resources Survey of Two Materials Sources, Murrieta Creek and the Joe Deleo, Jr. Property, Riverside County, California. Department of Transportation, District 8. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Hudson, Tom
1978 *Lake Elsinore's Valley, Its Story, 1776-1977.* Lake Elsinore Bicentennial Commission, 1978.

Jones, Carleton S.
1992 The Development of Cultural Complexity Among the Luiseño. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Kice, David and Nancy Desautels
1993 Cultural Resources Assessment of the Collier Avenue Improvement Project Area, Riverside County, California. Scientific Resource Surveys. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Koerper, H.C, J.E. Ericson, C.E. Drover, and P.E. Langenwalter II
1986 Obsidian Exchange in Prehistoric Orange County. *Pacific Coast Archaeological Society Quarterly* 22 (1):33-69.

Kroeber, A.L.
1925 *Handbook of the Indians of California*. Dover Editions, Dover Publications, Inc., New York.

Lerch, Michael K., Anne Q. Stoll, and Patrick B. Stanton
2006 Cultural Resource Assessment of the Fogarty Substation, Lake Elsinore Area, Riverside County, California. Statistical Research, Inc. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Lerch, Michael K. and Marlesa A. Gray
2006 Cultural Resource Assessment of the Valley-Ivyglen Transmission Line Project, Riverside County, California. Statistical Research, Inc. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Lindsey, Bill
2015 Historic Glass Bottle Identification & Information Website. Electronic document, http://www.sha.org/bottle/, accessed May 30, 2015.

Love, Bruce and Bai "Tom" Tang
1995 Identification and Evaluation of Historic Properties: Temescal Valley Intertie Project, Elsinore Valley Municipal Water District, Riverside County, California. CRM Tech. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

1998 Cultural Resources Report: Temescal Valley Regional Interceptor, Santa Ana Watershed Project Authority, Riverside County, California. CRM Tech. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Lowell, John Bean, Sylvia Brakke Vane, Mathew C. Hall, Harry Lawton, Richard Logan, Lee Gooding Massey, John Oxendine, Charles Rozaire, and David P. Whistler
1979 Cultural Resources and the Devers-Mira 500 kV Transmission Line Route (Valley to Mira Loma Section). Cultural Systems Research, Inc, Menlo Park, California.

Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Martin, P.S.
1967 Prehistoric Overkill. In *Pleistocene Extinctions: The Search for a Cause*, edited by P.S. Martin and H.E. Wright. Yale University Press: New Haven.

1973 The Discovery of America. In *Science* 179(4077):969-974.

Masters, Patricia M.
1983 Detection and Assessment of Prehistoric Artifact Sites off the Coast of Southern California. In *Quaternary Coastlines and Marine Archaeology: Towards the Prehistory of Land Bridges and Continental Shelves*, edited by Patricia M. Masters and N. C. Flemming, pp. 189-213. Academic Press, London.

Maxon, Patrick
2009 Phase I Cultural Resources Inventory, Elsinore Valley Municipal Water District Plan EIR, County of Riverside, California. BonTerra Consulting. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

McKenna et al.
2005 Letter Report: El Torro Road Pipeline Replacement Project, Lake Elsinore, Riverside County, California. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Meighan, Clement W.
1954 A Late Complex in Southern California Prehistory. In *Southwestern Journal of Anthropology* 10(2).

Michael Brandman Associates
2008 Letter Report: Cultural Resource Records Search and Site Visit Results for Royall Street Communications California. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Miller, J.
1966 The Present and Past Molluscan Faunas and Environments of Four Southern California Coastal Lagoons. Master's thesis, Scripps Institution of Oceanography, University of California, San Diego.

Mirro, Vanessa and Tracy Formica
2009 Phase I Cultural Resources Inventory, Elsinore Valley Municipal Water District Plan EIR, County of Riverside, California. Applied Earth Works, Inc. Submitted to

private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Moratto, Michael J.
1984 *California Archaeology*. Academic Press, New York.

Moriarty, James R., III
1966 Culture Phase Divisions Suggested by Topological Change Coordinated with Stratigraphically Controlled Radiocarbon Dating in San Diego. In *Anthropological Journal of Canada* 4(4):20-30.

Moss, M.L. and J. Erlandson
1995 Reflections on North American Pacific Coast Prehistory. In *Journal of World Prehistory* 9(1):1-46.

Parr, Robert E.
1988 An Archaeological Assessment of 20 Acres of Land (Assessor's Parcel 347-28-10) Located Near Lake Elsinore in Riverside County, California. Archaeological Research Unit, U.C. Riverside. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Petersen, C.J., Rachel Greeley, and Bruce Love
1992 Cultural Resources Assessment: Pala Road Bridge Sewer and Road Realignment Project at Temecula Creek, Temecula Area of Riverside County, California. Archaeological Research Unit, U.C. Riverside. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Portillo, Garth
1975 Final Report: Mitigation of Archaeological Site 4-RIV-659, Nichols Road, Elsinore. Archaeological Research Unit, U.C. Riverside. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Pourade, Richard F.
1964 *The Glory Years*. Union-Tribune Publishing Company, San Diego, California.

Raven-Jennings, Shelly and Brian F. Smith and Johnna L. Buysse
1996 The Results of a Cultural Resource Study at the 4S Ranch, Rancho Bernardo, County of San Diego. On file, South Coastal Information Center, San Diego State University, San Diego, California.

Riverside County
N.d. Welcome to Riverside County, California: Riverside County History. Electronic

document, http://www.co.riverside.ca.us/county_info/history.asp, accessed March 28, 2006.

Rogers, Malcolm J.
1939 Early Lithic Industries of the Lower Basin of the Colorado River and Adjacent Desert Areas. In *San Diego Museum Papers* (No. 3 — 1989 printing). San Diego Museum of Man, San Diego, California.

1953 Miscellaneous Field Notes – Riverside County. San Diego Museum of Man. On file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Salpas, Jean
1984 An Archaeological Assessment of Proposed Class II Sanitary Landfill Site No. 9A, Riverside County, California. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Schmidt, James
2007 DWO 6077-4800; AI#7-4801, -4802, 4807, 4809, AI# 6-4800, -4884, -4886, -4887. Various Circuits, Riverside County. Compass Rose. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Shinn, Juanita
1990 Addendum To: Cultural Resources Reconnaissance for the Pacific West Outlet Center, Lake Elsinore, Riverside County, California. RMW Paleo Associates. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Shumway, George, Carl L. Hubbs and James R. Moriarty III
1961 Scripps Estates Site, San Diego, California: A La Jolla Site Dated 5,460-7,370 Years Before the Present. In *Annals of the New York Academy of Sciences* 93(3):41-131.

Smith, Brian F., and James R. Moriarty
1985 The Archaeological Excavations at Site W-20, Sierra Del Mar. Report on file at the South Coastal Information Center, San Diego State University.

State Historic Preservation Office (SHPO)
1995 *Instructions for Recording Historical Resources.* Office of Historic Preservation, Sacramento.

Strum, Broadley L.
1992 Archaeological Investigations at CA-RIV-4110 and CA-RIV-3858, Lake Elsinore, California. Archaeological Associates. Submitted to private. Unpublished report on

file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

True, Delbert L.
1958 An Early Complex in San Diego County, California. In *American Antiquity* 23(3).

Underbrink, Susan
2007 Cultural Resources Survey Report for Elsinore Business Park, Lake Elsinore, Riverside County, California. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Van Wormer, Stephen, Susan Walter, and Dennis R. Gallegos
2005 Monitoring and Data Recovery Program for Casa de Aguirre and St. Anthony's Industrial School for Indians (CA-SDI-14527H): 1853-1914 Old Town, San Diego, California. Unpublished report on file, South Coastal Information Center, San Diego State University, San Diego, California.

Wade, Sue A. and Susan M. Hector
1989 A Cultural Resource Survey of the Proposed Rancho-Temecula Effluent Pipeline from Temecula to Warm Springs in the Elsinore Valley with Additional Consideration of the Surface Water Discharge into Temescal Wash. RECON. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

Wallace, William J.
1955 A Suggested Chronology for Southern California Coastal Archaeology. *Southwestern Journal of Anthropology* 11:214-230. Albuquerque, New Mexico.

Warren, Claude N.
1968 Cultural Tradition and Ecological Adaptation on the Southern California Coast. In *Archaic Prehistory in the Western United States*, edited by C. Irwin-Williams. Eastern New Mexico Contributions in Anthropology (Vol. 1, No. 3).

Warren, Claude N. and D.L. True
1961 The San Dieguito Complex and its Place in California Prehistory, In *Archaeological Survey Annual Report 1960-1961*. University of California Press, Los Angeles, California.

Warren, Claude N., D.L. True and Ardith A. Eudey
1961 Early Gathering Complexes of Western San Diego County: Results and Interpretations of an Archaeological Survey. In *Archaeological Survey Annual Report 1960-1961*. University of California, Los Angeles.

White, Laurie S.
1991 An Archaeological Assessment Of 120+ Acres Located Adjacent to Interstate-15 South In Walker Canyon, Alberhill, Riverside County. Archaeological Associates. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

White, Robert S.
1996 An Archaeological Assessment of Six Alternative Dechlorination and Energy Dissipation Sites for the Eastern Municipal Water District Reach 4 Project located in the Lake Elsinore Area of Riverside County. L&L Environmental. Submitted to private. Unpublished report on file at the Eastern Information Center, University of California at Riverside, Riverside, California 92521.

APPENDIX A

Qualifications of Key Personnel

Brian F. Smith, MA

Owner, Principal Investigator

Brian F. Smith and Associates, Inc.
14010 Poway Road • Suite A •
Phone: (858) 679-8218 • Fax: (858) 679-9896 • E-Mail: bsmith@bfsa-ca.com

Education

Master of Arts, History, University of San Diego, California	1982
Bachelor of Arts, History, and Anthropology, University of San Diego, California	1975

Professional Memberships

Society for California Archaeology

Experience

Principal Investigator — 1977–Present
Brian F. Smith and Associates, Inc. — Poway, California

Brian F. Smith is the owner and principal historical and archaeological consultant for Brian F. Smith and Associates. Over the past 32 years, he has conducted over 2,500 cultural resource studies in California, Arizona, Nevada, Montana, and Texas. These studies include every possible aspect of archaeology from literature searches and large-scale surveys to intensive data recovery excavations. Reports prepared by Mr. Smith have been submitted to all facets of local, state, and federal review agencies, including the US Army Crops of Engineers, the Bureau of Land Management, the Bureau of Reclamation, the Department of Defense, and the Department of Homeland Security. In addition, Mr. Smith has conducted studies for utility companies (Sempra Energy) and state highway departments (CalTrans).

Professional Accomplishments

These selected major professional accomplishments represent research efforts that have added significantly to the body of knowledge concerning the prehistoric life ways of cultures once present in the Southern California area and historic settlement since the late 18th century. Mr. Smith has been principal investigator on the following select projects, except where noted.

Downtown San Diego Mitigation and Monitoring Reporting Programs: Large numbers of downtown San Diego mitigation and monitoring projects submitted to the Centre City Development Corporation, some of which included Strata (2008), Hotel Indigo (2008), Lofts at 707 10th Avenue Project (2007), Breeza (2007), Bayside at the Embarcadero (2007), Aria (2007), Icon (2007), Vantage Pointe (2007), Aperture (2007), Sapphire Tower (2007), Lofts at 655 Sixth Avenue (2007), Metrowork (2007), The Legend (2006), The Mark (2006), Smart Corner (2006), Lofts at 677 7th Avenue (2005), Aloft on Cortez Hill (2005), Front and

Beech Apartments (2003), Bella Via Condominiums (2003), Acqua Vista Residential Tower (2003), Northblock Lofts (2003), Westin Park Place Hotel (2001), Parkloft Apartment Complex (2001), Renaissance Park (2001), and Laurel Bay Apartments (2001).

Archaeology at the Padres Ballpark: Involved the analysis of historic resources within a seven-block area of the "East Village" area of San Diego, where occupation spanned a period from the 1870s to the 1940s. Over a period of two years, BFSA recovered over 200,000 artifacts and hundreds of pounds of metal, construction debris, unidentified broken glass, and wood. Collectively, the Ballpark Project and the other downtown mitigation and monitoring projects represent the largest historical archaeological program anywhere in the country in the past decade (2000-2007).

4S Ranch Archaeological and Historical Cultural Resources Study: Data recovery program consisted of the excavation of over 2,000 square meters of archaeological deposits that produced over one million artifacts, containing primarily prehistoric materials. The archaeological program at 4S Ranch is the largest archaeological study ever undertaken in the San Diego County area and has produced data that has exceeded expectations regarding the resolution of long-standing research questions and regional prehistoric settlement patterns.

Charles H. Brown Site: Attracted international attention to the discovery of evidence of the antiquity of man in North America. Site located in Mission Valley, in the city of San Diego.

Del Mar Man Site: Study of the now famous Early Man Site in Del Mar, California, for the San Diego Science Foundation and the San Diego Museum of Man, under the direction of Dr. Spencer Rogers and Dr. James R. Moriarty.

Old Town State Park Projects: Consulting Historical Archaeologist. Projects completed in the Old Town State Park involved development of individual lots for commercial enterprises. The projects completed in Old Town include Archaeological and Historical Site Assessment for the Great Wall Cafe (1992), Archaeological Study for the Old Town Commercial Project (1991), and Cultural Resources Site Survey at the Old San Diego Inn (1988).

Site W-20, Del Mar, California: A two-year-long investigation of a major prehistoric site in the Del Mar area of the city of San Diego. This research effort documented the earliest practice of religious/ceremonial activities in San Diego County (circa 6,000 years ago), facilitated the projection of major non-material aspects of the La Jolla Complex, and revealed the pattern of civilization at this site over a continuous period of 5,000 years. The report for the investigation included over 600 pages, with nearly 500,000 words of text, illustrations, maps, and photographs documenting this major study.

City of San Diego Reclaimed Water Distribution System: A cultural resource study of nearly 400 miles of pipeline in the city and county of San Diego.

Master Environmental Assessment Project, City of Poway: Conducted for the City of Poway to produce a complete inventory of all recorded historic and prehistoric properties within the city. The information was used in conjunction with the City's General Plan Update to produce a map matrix of the city showing areas of high, moderate, and low potential for the presence of cultural resources. The effort also included the development of the City's Cultural Resource Guidelines, which were adopted as City policy.

Draft of the City of Carlsbad Historical and Archaeological Guidelines: Contracted by the City of Carlsbad to produce the draft of the City's historical and archaeological guidelines for use by the Planning Department of the City.

The Mid-Bayfront Project for the City of Chula Vista: Involved a large expanse of undeveloped agricultural land situated between the railroad and San Diego Bay in the northwestern portion of the city. The study included the analysis of some potentially historic features and numerous prehistoric sites.

Cultural Resources Survey and Test of Sites Within the Proposed Development of the Audie Murphy Ranch, Riverside County, California: Project manager/director of the investigation of 1,113.4 acres and 43 sites, both prehistoric and historic—included project coordination; direction of field crews; evaluation of sites for significance based on County of Riverside and CEQA guidelines; assessment of cupule, pictograph, and rock shelter sites, co-authoring of cultural resources project report. February-September 2002.

Cultural Resources Evaluation of Sites Within the Proposed Development of the Otay Ranch Village 13 Project, San Diego County, California: Project manager/director of the investigation of 1,947 acres and 76 sites, both prehistoric and historic—included project coordination and budgeting; direction of field crews; assessment of sites for significance based on County of San Diego and CEQA guidelines; co-authoring of cultural resources project report. May-November 2002.

Cultural Resources Survey for the Remote Video Surveillance Project, El Centro Sector, Imperial County: Project manager/director for a survey of 29 individual sites near the U.S./Mexico Border for proposed video surveillance camera locations associated with the San Diego Border barrier Project—project coordination and budgeting; direction of field crews; site identification and recordation; assessment of potential impacts to cultural resources; meeting and coordinating with U.S. Army Corps of Engineers, U.S. Border Patrol, and other government agencies involved; co-authoring of cultural resources project report. January, February, and July 2002.

Cultural Resources Survey and Test of Sites Within the Proposed Development of the Menifee West GPA, Riverside County, California: Project manager/director of the investigation of nine sites, both prehistoric and historic—included project coordination and budgeting; direction of field crews; assessment of sites for significance based on County of Riverside and CEQA guidelines; historic research; co-authoring of cultural resources project report. January-March 2002.

Mitigation of An Archaic Cultural Resource for the Eastlake III Woods Project for the City of Chula Vista, California: Project archaeologist/ director—included direction of field crews; development and completion of data recovery program including collection of material for specialized faunal and botanical analyses; assessment of sites for significance based on CEQA guidelines; management of artifact collections cataloging and curation; data synthesis; co-authoring of cultural resources project report, in prep. September 2001-March 2002.

Cultural Resources Survey and Test of Sites Within the Proposed French Valley Specific Plan/EIR, Riverside County, California: Project manager/director of the investigation of two prehistoric and three historic sites—included project coordination and budgeting; survey of project area; Native American consultation; direction of field crews; assessment of sites for significance based on CEQA guidelines; cultural resources project report in prep. July-August 2000.

Cultural Resources Survey and Test of Sites Within the Proposed Lawson Valley Project, San Diego County, California: Project manager/director of the investigation of 28 prehistoric and two historic sites—included project coordination; direction of field crews; assessment of sites for significance based on CEQA guidelines; cultural resources project report in prep. July-August 2000.

Cultural Resource Survey and Geotechnical Monitoring for the Mohyi Residence Project, La Jolla, California: Project manager/director of the investigation of a single-dwelling parcel—included project coordination; field survey; assessment of parcel for potentially buried cultural deposits; monitoring of geotechnichal borings; authoring of cultural resources project report. Brian F. Smith and Associates, San Diego, California. June 2000.

Enhanced Cultural Resource Survey and Evaluation for the Prewitt/Schmucker/Cavadias Project, La Jolla, California: Project manager/director of the investigation of a single-dwelling parcel—included project coordination; direction of field crews; assessment of parcel for potentially buried cultural deposits; authoring of cultural resources project report. June 2000.

Cultural Resources Survey and Test of Sites Within the Proposed Development of the Menifee Ranch, Riverside County, California: Project manager/director of the investigation of one prehistoric and five historic sites—included project coordination and budgeting; direction of field crews; feature recordation; historic structure assessments; assessment of sites for significance based on CEQA guidelines; historic research; co-authoring of cultural resources project report. February-June 2000.

Salvage Mitigation of a Portion of the San Diego Presidio Identified During Water Pipe Construction for the City of San Diego, California: Project archaeologist/director—included direction of field crews; development and completion of data recovery program; management of artifact collections cataloging and curation; data synthesis and authoring of cultural resources project report in prep. April 2000.

Enhanced Cultural Resource Survey and Evaluation for the Tyrian 3 Project, La Jolla, California: Project manager/director of the investigation of a single-dwelling parcel—included project coordination; assessment of parcel for potentially buried cultural deposits; authoring of cultural resources project report. April 2000.

Enhanced Cultural Resource Survey and Evaluation for the Lamont 5 Project, Pacific Beach, California: Project manager/director of the investigation of a single-dwelling parcel—included project coordination; assessment of parcel for potentially buried cultural deposits; authoring of cultural resources project report. April 2000.

Enhanced Cultural Resource Survey and Evaluation for the Reiss Residence Project, La Jolla, California: Project manager/director of the investigation of a single-dwelling parcel—included project coordination; assessment of parcel for potentially buried cultural deposits; authoring of cultural resources project report. March-April 2000.

Salvage Mitigation of a Portion of Site SDM-W-95 (CA-SDI-211) for the Poinsettia Shores Santalina Development Project and Caltrans, Carlsbad, California: Project achaeologist/ director—included direction of field crews; development and completion of data recovery program; management of artifact collections cataloging and curation; data synthesis and authoring of cultural resources project report in prep. December 1999-January 2000.

Survey and Testing of Two Prehistoric Cultural Resources for the Airway Truck Parking Project, Otay Mesa, California: Project archaeologist/director—included direction of field crews; development and completion of testing recovery program; assessment of site for significance based on CEQA guidelines; authoring of cultural resources project report, in prep. December 1999-January 2000.

Cultural Resources Phase I and II Investigations for the Tin Can Hill Segment of the Immigration and Naturalization Services Triple Fence Project Along the International Border, San Diego County, California: Project manager/director for a survey and testing of a prehistoric quarry site along the border—NRHP eligibility assessment; project coordination and budgeting; direction of field crews; feature recordation; meeting and coordinating with U.S. Army Corps of Engineers; co-authoring of cultural resources project report. December 1999-January 2000.

Mitigation of a Prehistoric Cultural Resource for the Westview High School Project for the City of San Diego, California: Project archaeologist/ director—included direction of field crews; development and completion of data recovery program including collection of material for specialized faunal and botanical analyses; assessment of sites for significance based on CEQA guidelines; management of artifact collections cataloging and curation; data synthesis; co-authoring of cultural resources project report, in prep. October 1999-January 2000.

Mitigation of a Prehistoric Cultural Resource for the Otay Ranch SPA-One West Project for the City of Chula Vista, California: Project archaeologist/director—included direction of field crews; development of data recovery program; management of artifact collections cataloging and curation; assessment of

site for significance based on CEQA guidelines; data synthesis; authoring of cultural resources project report, in prep. September 1999-January 2000.

Monitoring of Grading for the Herschel Place Project, La Jolla, California: Project archaeologist/ monitor—included monitoring of grading activities associated with the development of a single-dwelling parcel. September 1999.

Survey and Testing of a Historic Resource for the Osterkamp Development Project, Valley Center, California: Project archaeologist/ director—included direction of field crews; development and completion of data recovery program; budget development; assessment of site for significance based on CEQA guidelines; management of artifact collections cataloging and curation; data synthesis; authoring of cultural resources project report. July-August 1999.

Survey and Testing of a Prehistoric Cultural Resource for the Proposed College Boulevard Alignment Project, Carlsbad, California: Project manager/director —included direction of field crews; development and completion of testing recovery program; assessment of site for significance based on CEQA guidelines; management of artifact collections cataloging and curation; data synthesis; authoring of cultural resources project report, in prep. July-August 1999.

Survey and Evaluation of Cultural Resources for the Palomar Christian Conference Center Project, Palomar Mountain, California: Project archaeologist—included direction of field crews; assessment of sites for significance based on CEQA guidelines; management of artifact collections cataloging and curation; data synthesis; authoring of cultural resources project report. July-August 1999.

Survey and Evaluation of Cultural Resources at the Village 2 High School Site, Otay Ranch, City of Chula Vista, California: Project manager/director —management of artifact collections cataloging and curation; assessment of site for significance based on CEQA guidelines; data synthesis; authoring of cultural resources project report. July 1999.

Cultural Resources Phase I, II, and III Investigations for the Immigration and Naturalization Services Triple Fence Project Along the International Border, San Diego County, California: Project manager/director for the survey, testing, and mitigation of sites along border—supervision of multiple field crews, NRHP eligibility assessments, Native American consultation, contribution to Environmental Assessment document, lithic and marine shell analysis, authoring of cultural resources project report. August 1997-January 2000.

Phase I, II, and II Investigations for the Scripps Poway Parkway East Project, Poway California: Project archaeologist/project director—included recordation and assessment of multicomponent prehistoric and historic sites; direction of Phase II and III investigations; direction of laboratory analyses including prehistoric and historic collections; curation of collections; data synthesis; coauthorship of final cultural resources report. February 1994; March-September 1994; September-December 1995.

Archaeological Evaluation of Cultural Resources Within the Proposed Corridor for the San Elijo Water Reclamation System Project, San Elijo, California: Project manager/director —test excavations; direction of artifact identification and analysis; graphics production; coauthorship of final cultural resources report. December 1994-July 1995.

Evaluation of Cultural Resources for the Environmental Impact Report for the Rose Canyon Trunk Sewer Project, San Diego, California: Project manager/Director —direction of test excavations; identification and analysis of prehistoric and historic artifact collections; data synthesis; co-authorship of final cultural resources report, San Diego, California. June 1991-March 1992.

Reports/Papers

Author, coauthor, or contributor to over 2,500 cultural resources management publications, a selection of which are presented below.

2015 An Archaeological/Historical Study for the Safari Highlands Ranch Project, City of Escondido, County of San Diego.

2015 A Phase I and II Cultural Resources Assessment for the Decker Parcels II Project, Planning Case No. 36962, Riverside County, California.

2015 A Phase I and II Cultural Resources Assessment for the Decker Parcels I Project, Planning Case No. 36950, Riverside County, California.

2015 Cultural Resource Data Recovery and Mitigation Monitoring Program for Site SDI-10,237 Locus F, Everly Subdivision Project, El Cajon, California.

2015 Phase I Cultural Resource Survey for the Woodward Street Senior Housing Project, City of San Marcos, California (APN 218-120-31).

2015 An Updated Cultural Resource Survey for the Box Springs Project (TR 33410), APNs 255-230-010, 255-240-005, 255-240-006, and Portions of 257-180-004, 257-180-005, and 257-180-006.

2015 A Phase I and II Cultural Resource Report for the Lake Ranch Project, TR 36730, Riverside County, California.

2015 A Phase II Cultural Resource Assessment for the Munro Valley Solar Project, Inyo County, California.

2014 Cultural Resources Monitoring Report for the Diamond Valley Solar Project, Community of Winchester, County of Riverside.

2014 National Historic Preservation Act Section 106 Compliance for the Proposed Saddleback Estates Project, Riverside County, California.

2014 A Phase II Cultural Resource Evaluation Report for RIV-8137 at the Toscana Project, TR 36593, Riverside County, California.

2014 Cultural Resources Study for the Estates at Del Mar Project, City of Del Mar, San Diego, California (TTM 14-001).

2014 Cultural Resources Study for the Aliso Canyon Major Subdivision Project, Rancho Santa Fe, San Diego County, California.

2014 Cultural Resources Due Diligence Assessment of the Ocean Colony Project, City of Encinitas.

2014 A Phase I and Phase II Cultural Resource Assessment for the Citrus Heights II Project, TTM 36475, Riverside County, California.

2013 A Phase I Cultural Resource Assessment for the Modular Logistics Center, Moreno Valley, Riverside County, California.

2013 A Phase I Cultural Resources Survey of the Ivey Ranch Project, Thousand Palms, Riverside County, California.

2013 Cultural Resources Report for the Emerald Acres Project, Riverside County, California.

2013 A Cultural Resources Records Search and Review for the Pala Del Norte Conservation Bank Project, San Diego County, California.

2013 An Updated Phase I Cultural Resources Assessment for Tentative Tract Maps 36484 and 36485, Audie Murphy Ranch, City of Menifee, County of Riverside.

2013 El Centro Town Center Industrial Development Project (EDA Grant No. 07-01-06386); Result of Cultural Resource Monitoring.

2013 Cultural Resources Survey Report for the Renda Residence Project, 9521 La Jolla Farms Road, La Jolla, California.

2013 A Phase I Cultural Resource Study for the Ballpark Village Project, San Diego, California.

2013 Archaeological Monitoring and Mitigation Program, San Clemente Senior Housing Project, 2350 South El Camino Real, City of San Clemente, Orange County, California (CUP No. 06-065; APN-060-032-04).

2012 Mitigation Monitoring Report for the Los Peñasquitos Recycled Water Pipeline.

2012 Cultural Resources Report for Menifee Heights (Tract 32277).

2012 A Phase I Cultural Resource Study for the Altman Residence at 9696 La Jolla Farms Road, La Jolla, California 92037.

2012 Mission Ranch Project (TM 5290-1/MUP P87-036W3): Results of Cultural Resources Monitoring During Mass Grading.

2012 A Phase I Cultural Resource Study for the Payan Property Project, San Diego, California.

2012 Phase I Archaeological Survey of the Rieger Residence, 13707 Durango Drive, Del Mar, California 92014, APN 300-369-49.

2011 Mission Ranch Project (TM 5290-1/MUP P87-036W3): Results of Cultural Resources Monitoring During Mass Grading.

2011 Mitigation Monitoring Report for the 1887 Viking Way Project, La Jolla, California.

2011 Cultural Resource Monitoring Report for the Sewer Group 714 Project.

2011 Results of Archaeological Monitoring at the 10th Avenue Parking Lot Project, City of San Diego, California (APNs 534-194-02 and 03).

2011 Archaeological Survey of the Pelberg Residence for a Bulletin 560 Permit Application; 8335 Camino Del Oro; La Jolla, California 92037 APN 346-162-01-00 .

2011 A Cultural Resources Survey Update and Evaluation for the Robertson Ranch West Project and an Evaluation of National Register Eligibility of Archaeological sites for Sites for Section 106 Review (NHPA).

2011 Mitigation Monitoring Report for the 43rd and Logan Project.

2011 Mitigation Monitoring Report for the Sewer Group 682 M Project, City of San Diego Project #174116.

2011 A Phase I Cultural Resource Study for the Nooren Residence Project, 8001 Calle de la Plata, La Jolla, California, Project No. 226965.

2011 A Phase I Cultural Resource Study for the Keating Residence Project, 9633 La Jolla Farms Road, La Jolla, California 92037.

2010 Mitigation Monitoring Report for the 15th & Island Project, City of San Diego; APNs 535-365-01, 535-365-02 and 535-392-05 through 535-392-07.

2010 Archaeological Resource Report Form: Mitigation Monitoring of the Sewer and Water Group 772 Project, San Diego, California, W.O. Nos. 187861 and 178351.

2010 Pottery Canyon Site Archaeological Evaluation Project, City of San Diego, California, Contract No. H105126.

2010 Archaeological Resource Report Form: Mitigation Monitoring of the Racetrack View Drive Project, San Diego, California; Project No. 163216.

2010 A Historical Evaluation of Structures on the Butterfield Trails Property.

2010 Historic Archaeological Significance Evaluation of 1761 Haydn Drive, Encinitas, California (APN 260-276-07-00).

2010 Results of Archaeological Monitoring of the Heller/Nguyen Project, TPM 06-01, Poway, California.

2010 Cultural Resource Survey and Evaluation Program for the Sunday Drive Parcel Project, San Diego County, California, APN 189-281-14.

2010 Archaeological Resource Report Form: Mitigation Monitoring of the Emergency Garnet Avenue Storm Drain Replacement Project, San Diego, California, Project No. B10062

2010 An Archaeological Study for the 1912 Spindrift Drive Project

2009 Cultural Resource Assessment of the North Ocean Beach Gateway Project City of San Diego #64A-003A; Project #154116.

2009 Archaeological Constraints Study of the Morgan Valley Wind Assessment Project, Lake County, California.

2008 Results of an Archaeological Review of the Helen Park Lane 3.1-acre Property (APN 314-561-31), Poway, California.

2008 Archaeological Letter Report for a Phase I Archaeological Assessment of the Valley Park Condominium Project, Ramona, California; APN 282-262-75-00.

2007 Archaeology at the Ballpark. Brian F. Smith and Associates, San Diego, California. Submitted to the Centre City Development Corporation.

2007 Result of an Archaeological Survey for the Villages at Promenade Project (APNs 115-180-007-3,115-180-049-1, 115-180-042-4, 115-180-047-9) in the City of Corona, Riverside County.

2007 Monitoring Results for the Capping of Site CA-SDI-6038/SDM-W-5517 within the Katzer Jamul Center Project; P00-017.

2006 Archaeological Assessment for The Johnson Project (APN 322-011-10), Poway, California.

2005 Results of Archaeological Monitoring at the El Camino Del Teatro Accelerated Sewer Replacement Project (Bid No. K041364; WO # 177741; CIP # 46-610.6.

2005 Results of Archaeological Monitoring at the Baltazar Draper Avenue Project (Project No. 15857; APN: 351-040-09).

2004 TM 5325 ER #03-14-043 Cultural Resources.

2004 An Archaeological Survey and an Evaluation of Cultural Resources at the Salt Creek Project. Report on file at Brian F. Smith and Associates.

2003 An Archaeological Assessment for the Hidden Meadows Project, San Diego County, TM 5174, Log No. 99-08-033. Report on file at Brian F. Smith and Associates.

2003 An Archaeological Survey for the Manchester Estates Project, Coastal Development Permit #02-009, Encinitas, California. Report on file at Brian F. Smith and Associates.

2003 Archaeological Investigations at the Manchester Estates Project, Coastal Development Permit #02-009, Encinitas, California. Report on file at Brian F. Smith and Associates.

2003 Archaeological Monitoring of Geological Testing Cores at the Pacific Beach Christian Church Project. Report on file at Brian F. Smith and Associates.

2003 San Juan Creek Drilling Archaeological Monitoring. Report on file at Brian F. Smith and Associates.

2003 Evaluation of Archaeological Resources Within the Spring Canyon Biological Mitigation Area, Otay Mesa, San Diego County, California. Brian F. Smith and Associates, San Diego, California.

2002 An Archaeological/Historical Study for the Otay Ranch Village 13 Project (et al.). Brian F. Smith and Associates, San Diego, California.

2002 An Archaeological/Historical Study for the Audie Murphy Ranch Project (et al.). Brian F. Smith and Associates, San Diego, California.

2002 Results of an Archaeological Survey for the Remote Video Surveillance Project, El Centro Sector, Imperial County, California. Brian F. Smith and Associates, San Diego, California.

2002 A Cultural Resources Survey and Evaluation for the Proposed Robertson Ranch Project, City of Carlsbad. Brian F. Smith and Associates, San Diego, California.

2002 Archaeological Mitigation of Impacts to Prehistoric Site SDI-7976 for the Eastlake III Woods Project, Chula Vista, California. Brian F. Smith and Associates, San Diego, California.

2002 An Archaeological/Historical Study for Tract No. 29777, Menifee West GPA Project, Perris Valley, Riverside County. Brian F. Smith and Associates, San Diego, California.

2002 An Archaeological/Historical Study for Tract No. 29835, Menifee West GPA Project, Perris Valley, Riverside County. Brian F. Smith and Associates, San Diego, California.

2001 An Archaeological Survey and Evaluation of a Cultural Resource for the Moore Property, Poway. Brian F. Smith and Associates, San Diego, California.

2001 An Archaeological Report for the Mitigation, Monitoring, and Reporting Program at the Water and Sewer Group Job 530A, Old Town San Diego. Brian F. Smith and Associates, San Diego, California.

2001 A Cultural Resources Impact Survey for the High Desert Water District Recharge Site 6 Project, Yucca Valley. Brian F. Smith and Associates, San Diego, California.

2001 Archaeological Mitigation of Impacts to Prehistoric Site SDI-13,864 at the Otay Ranch SPA-One West Project. Brian F. Smith and Associates, San Diego, California.

2001 A Cultural Resources Survey and Site Evaluations at the Stewart Subdivision Project, Moreno Valley, County of San Diego. Brian F. Smith and Associates, San Diego, California.

2000 An Archaeological/Historical Study for the French Valley Specific Plan/EIR, French Valley, County of Riverside. Brian F. Smith and Associates, San Diego, California.

2000 Results of an Archaeological Survey and the Evaluation of Cultural Resources at The TPM#24003–Lawson Valley Project. Brian F. Smith and Associates, San Diego, California.

2000 Archaeological Mitigation of Impacts to Prehistoric Site SDI-5326 at the Westview High School Project for the Poway Unified School District. Brian F. Smith and Associates, San Diego, California.

2000 An Archaeological/Historical Study for the Menifee Ranch Project. Brian F. Smith and Associates, San Diego, California.

2000 An Archaeological Survey and Evaluation of Cultural Resources for the Bernardo Mountain Project, Escondido, California. Brian F. Smith and Associates, San Diego, California.

2000 A Cultural Resources Impact Survey for the Nextel Black Mountain Road Project, San Diego, California. Brian F. Smith and Associates, San Diego, California.

2000 A Cultural Resources Impact Survey for the Rancho Vista Project, 740 Hilltop Drive, Chula Vista, California. Brian F. Smith and Associates, San Diego, California.

2000 A Cultural Resources Impact Survey for the Poway Creek Project, Poway, California. Brian F. Smith and Associates, San Diego, California.

2000 Cultural Resource Survey and Geotechnical Monitoring for the Mohyi Residence Project. Brian F. Smith and Associates, San Diego, California.

2000 Enhanced Cultural Resource Survey and Evaluation for the Prewitt/Schmucker/ Cavadias Project. Brian F. Smith and Associates, San Diego, California.

2000 Enhanced Cultural Resource Survey and Evaluation for the Lamont 5 Project. Brian F. Smith and Associates, San Diego, California.

2000 Salvage Excavations at Site SDM-W-95 (CA-SDI-211) for the Poinsettia Shores Santalina Development Project, Carlsbad, California. Brian F. Smith and Associates, San Diego, California.

2000 Enhanced Cultural Resource Survey and Evaluation for the Reiss Residence Project, La Jolla, California. Brian F. Smith and Associates, San Diego, California.

2000 Enhanced Cultural Resource Survey and Evaluation for the Tyrian 3 Project, La Jolla, California. Brian F. Smith and Associates, San Diego, California.

2000 A Report for an Archaeological Evaluation of Cultural Resources at the Otay Ranch Village Two SPA, Chula Vista, California. Brian F. Smith and Associates, San Diego, California.

2000 An Archaeological Evaluation of Cultural Resources for the Airway Truck Parking Project, Otay Mesa, County of San Diego. Brian F. Smith and Associates, San Diego, California.

2000 Results of an Archaeological Survey and Evaluation of a Resource for the Tin Can Hill Segment of the Immigration and Naturalization and Immigration Service Border Road, Fence, and Lighting Project, San Diego County, California. Brian F. Smith and Associates, San Diego, California.

1999 An Archaeological Survey of the Home Creek Village Project, 4600 Block of Home Avenue, San Diego, California. Brian F. Smith and Associates, San Diego, California.

1999 An Archaeological Survey for the Sgobassi Lot Split, San Diego County, California. Brian F. Smith and Associates, San Diego, California.

1999 An Evaluation of Cultural Resources at the Otay Ranch Village 11 Project. Brian F. Smith and Associates, San Diego, California.

1999 An Archaeological/Historical Survey and Evaluation of a Cultural Resource for The Osterkamp Development Project, Valley Center, California. Brian F. Smith and Associates, San Diego, California.

1999 An Archaeological Survey and Evaluation of Cultural Resources for the Palomar Christian Conference Center Project, Palomar Mountain, California. Brian F. Smith and Associates, San Diego, California.

1999 An Archaeological Survey and Evaluation of a Cultural Resource for the Proposed College Boulevard Alignment Project. Brian F. Smith and Associates, San Diego, California.

1999 Results of an Archaeological Evaluation for the Anthony's Pizza Acquisition Project in Ocean Beach, City of San Diego (with L. Pierson and B. Smith). Brian F. Smith and Associates, San Diego, California.

1996 An Archaeological Testing Program for the Scripps Poway Parkway East Project. Brian F. Smith and Associates, San Diego, California.

1995 Results of a Cultural Resources Study for the 4S Ranch. Brian F. Smith and Associates, San Diego, California.

1995 Results of an Archaeological Evaluation of Cultural Resources Within the Proposed Corridor for the San Elijo Water Reclamation System. Brian F. Smith and Associates, San Diego, California.

1994 Results of the Cultural Resources Mitigation Programs at Sites SDI-11,044/H and SDI-12,038 at the Salt Creek Ranch Project . Brian F. Smith and Associates, San Diego, California.

1993 Results of an Archaeological Survey and Evaluation of Cultural Resources at the Stallion Oaks Ranch Project. Brian F. Smith and Associates, San Diego, California.

1992 Results of an Archaeological Survey and the Evaluation of Cultural Resources at the Ely Lot Split Project. Brian F. Smith and Associates, San Diego, California.

1991 The Results of an Archaeological Study for the Walton Development Group Project. Brian F. Smith and Associates, San Diego, California.

APPENDIX B

New and Updated Site Record Forms

(Deleted for Public Review; Bound Separately)

APPENDIX C

Archaeological Records Search Results

(Deleted for Public Review; Bound Separately)

APPENDIX D

NAHC Sacred Lands File Search Results

(Deleted for Public Review; Bound Separately)

APPENDIX E

Confidential Maps

(Deleted for Public Review; Bound Separately)

APPENDIX F

Tables 4.3–1 through 4.3–3
and Table 4.3–12

Table 4.3–1

Artifacts Recovered from Surface Collection

Site RIV-8120

Surface Collection	Object Type	Material Type	Quantity/ Weight	Cat. No.(s)
1	Battery	Plastic - Undifferentiated	1	3
	Bottle - Beverage	Glass - Colorless	1	5
	Bottle - Condiment		1	9
	Bottle - Indeterminate		1	10
	Bottle - Orange Soda		1	11
	Glassware - Vessel		1	4
	Jar - Indeterminate		2	6, 8
		Glass - Honey Tint	1	7
	Tableware - Cup	Ceramic - Stoneware	1	2
	Tableware - Plate		1	1
2	Bottle - Beverage	Glass - Amber	1	18
	Bottle - Food	Glass - Aqua Tint	1	19
	Can - Indeterminate	Metal - Ferrous	2	12-13
	Glassware - Vessel	Glass - Colorless	1	17
		Glass - Milk	3	14-16
	Jar - Canning	Glass - Aqua	1	20
	Window Glass	Glass - Aqua Tint	9.8 grams	21
3	Bottle - Alcohol	Glass - Colorless	1	29
	Bottle - Indeterminate	Glass - Amber	1	28
		Glass - Colorless	1	30
	Can - Indeterminate	Metal - Ferrous	1	22
	Container - Indeterminate	Glass - Colorless	1	31
	Glassware - Mug		1	32
	Jar - Condiment	Metal - Ferrous	1	24
	Jar - Indeterminate		1	23
	Tableware - Bowl	Ceramic - Stoneware	1	26
	Tableware - Serving Bowl		1	25
	Tableware - Plate	Ceramic - Porcelain	1	27
4	Bottle - Beverage	Glass - Amber	1	40
	Bottle - Indeterminate	Glass - Colorless	1	43
		Metal - Ferrous	1	38
	Can - Evaporated Milk		1	36
	Can - Indeterminate		4	33-35, 37
	Jar - Condiment	Glass - Colorless	1	41
	Jug - Cleaning		1	42

Surface Collection	Object Type	Material Type	Quantity/ Weight	Cat. No.(s)
	Tableware - Platter	Ceramic - Porcelain	1	39
5	Bottle - Alcohol	Glass - Colorless	1	59
	Bottle - Condiment		1	57
	Bottle - Indeterminate	Glass - Aqua Tint	1	56
	Bottle - Milk	Glass - Colorless	1	60
	Bottle - Soda	Glass - Aqua Tint	1	55
	Bottle - Toiletry	Glass - Colorless	1	61
	Can - Indeterminate	Metal - Ferrous	2	44-45
	Glassware - Goblet	Glass - Colorless	1	63
	Glassware - Vessel	Glass - Milk	1	52
	Graniteware - Vessel	Metal - Graniteware	1	46
	Hardware - Cover	Glass - Colorless	1	62
	Hotelware - Bowl	Ceramic - Stoneware	1	48
	Jar - Cosmetic	Glass - Milk	1	50
	Jar - Indeterminate		1	51
	Jar - Shampoo		1	53
	Jug - Cleaning	Glass - Colorless	1	58
	Tableware - Bowl	Ceramic - Stoneware	1	47
	Toy - Marble	Glass - Blue/Milk	1	49
	Window Glass	Glass - Aqua Tint	32.4 grams	54
6	Bottle - Beverage	Glass - Amber	1	71
	Bottle - Cleaning	Glass - Colorless	1	74
	Bottle - Condiment		2	76-77
	Bottle - Indeterminate		1	75
	Bottle - Toiletry		2	72-73
	Can - Food	Metal - Ferrous	1	64
	Electrical - Fuse	Glass - Colorless	1	70
	Hotelware - Platter	Ceramic - Porcelain	1	65
	Tableware - Mug	Ceramic - Stoneware	1	66
	Tableware - Plate		2	67-68
	Toy - Marble	Glass - Blue/Milk	1	69
7	Bottle - Alcohol	Glass - Amber	1	81
	Bottle - Cleaning	Glass - Colorless	1	88
	Bottle - Indeterminate		1	87
	Bottle - Milk		1	84
	Bottle - Soda		1	86
	Can - Evaporated Milk	Metal - Ferrous	1	78
	Glassware - Cup	Glass - Colorless	1	90
	Glassware - Dish	Glass - Milk	1	80
	Glassware - Vessel	Glass - Colorless	2	85, 89

Surface Collection	Object Type	Material Type	Quantity/ Weight	Cat. No.(s)
	Jar - Condiment		2	82-83
	Tableware - Mug	Ceramic - Stoneware	1	79
8	Bottle - Bromo-seltzer	Glass - Cobalt	1	97
	Bottle - Condiment	Glass - Colorless	3	105-107
	Bottle - Indeterminate	Glass - Amber	1	98
		Glass - Colorless	1	108
	Can - Food	Metal - Ferrous	1	92
	Can - Indeterminate		2	91, 93
	Crockery - Vessel	Ceramic - Earthenware	1	96
	Glassware - Vessel	Glass - Colorless	1	109
		Glass - Milk	1	99
	Jar - Condiment	Glass - Colorless	1	103
	Jar - Cosmetic	Glass - Milk	1	100
	Jar - Indeterminate	Glass - Colorless	1	104
	Jug - Cleaning	Glass - Colorless	2	101-102
	Tableware - Vessel	Ceramic - Stoneware	2	94-95
9	Bottle - Beverage	Glass - Amber	2	118-119
	Can - Indeterminate	Metal - Ferrous	4	110-113
	Electrical - Fuse	Glass - Colorless	1	116
	Glassware - Vessel	Glass - Milk	1	117
	Tableware - Plate	Ceramic - Stoneware	1	114
	Tableware - Vessel	Ceramic - Porcelain	1	115
10	Bottle - Cleaning	Glass - Amber	1	124
	Bottle - Cosmetic	Glass - Colorless	1	126
	Can - Food	Metal - Ferrous	1	120
	Jar - Canning	Glass - Colorless	1	125
	Tableware - Plate	Ceramic - Stoneware	2	122-123
	Tableware - Saucer	Ceramic - Porcelain	1	121
11	Bottle - Hair Tonic	Glass - Colorless	1	136
	Bottle - Indeterminate		1	134
	Bottle - Toiletry		1	135
	Can - Food	Metal - Ferrous	2	127-128
	Can - Indeterminate	Metal - Ferrous	1	129
	Glassware - Bowl	Glass - Jade	1	131
	Jar - Canning	Glass - Colorless	2	132-133
	Tableware - Plate	Ceramic - Stoneware	1	130
12	Bottle - Alcohol	Glass - Amber	1	137
	Bottle - Beverage	Glass - Colorless	1	138
	Jar - Condiment		1	139
	Jar - Indeterminate		1	140

Surface Collection	Object Type	Material Type	Quantity/ Weight	Cat. No.(s)
13	Button - Sew-Through	Glass - Colorless	1	147
	Can - Food	Metal - Ferrous	1	141
	Can - Indeterminate		1	142
	Jar - Condiment	Glass - Colorless	1	146
	Jar - Cosmetic	Glass - Milk	1	144
	Jar - Medicine	Glass - Amber	1	145
	License Plate	Metal - Ferrous	1	143
14	Bottle - Alcohol	Glass - Colorless	1	155
	Bottle - Condiment		1	156
	Bottle - Medicine	Glass - Amber	1	154
	Can - Food	Metal - Ferrous	1	149
	Can - Indeterminate		2	148, 150
	Glassware - Tumbler	Glass - Cobalt	1	153
	Hardware - Toilet	Ceramic - Porcelain	1	151
	Jar - Cold Cream	Glass - Milk	1	152
15	Bottle - Bleach	Glass - Amber	1	164
	Bottle - Indeterminate	Glass - Cobalt	1	163
	Can - Food	Metal - Ferrous	2	157, 159
	Can - Indeterminate		1	158
	Hardware - Toilet	Ceramic - Porcelain	1	162
	Jar - Canning	Glass - Colorless	1	165
	Jar - Medicine		1	166
	Shoe - Men's	Rubber	1	160
	Tableware - Mug	Ceramic - Stoneware	1	161
16	Bottle - Beverage	Glass - Green	1	170
	Bottle - Indeterminate	Glass - Colorless	1	174
	Bottle - Medicine	Glass - Cobalt	2	171-172
	Can - Food	Metal - Ferrous	1	167
	Glass - Indeterminate	Glass - Cobalt	1	173
	Jar - Condiment	Glass - Colorless	1	175
	Metal - Indeterminate	Metal - Ferrous	1	168
	Tableware - Plate	Ceramic - Stoneware	1	169
	Window Glass	Glass - Aqua Tint	11.0 grams	176
17	Bottle - Bleach	Glass - Amber	1	178
	Bottle - Condiment	Glass - Colorless	1	182
	Bottle - Milk		1	181
	Container - Indeterminate		1	183
	Jar - Canning		1	180
	Jar - Indeterminate		1	179
	Tableware - Plate	Ceramic - Stoneware	1	177

Surface Collection	Object Type	Material Type	Quantity/ Weight	Cat. No.(s)
18	Bottle - Indeterminate	Glass - Colorless	2	190-191
	Bottle - Wine		1	189
	Crockery - Jar	Ceramic - Earthenware	1	185
	Jar - Canning	Glass - Aqua	1.6 grams	187
	Jug - Cleaning	Glass - Amber	1	188
	Shoe - Men's	Rubber	1	184
	Window Glass	Glass - Aqua - Dark	54.6 grams	186
19	Bottle - Alcohol	Glass - Colorless	2	200-201
	Bottle - Indeterminate	Glass - Colorless	1	198
	Bottle - Medicine	Glass - Colorless	1	199
	Bottle - Soda	Glass - Colorless	1	202
	Can - Indeterminate	Metal - Ferrous	1	192
	Jar - Canning	Glass - Aqua	2	196-197
	Tableware - Plate	Ceramic - Porcelain	1	193
		Ceramic - Stoneware	2	194-195
20	Bottle - Soda	Glass - Colorless	1	205
	Glassware - Vessel		1	204
	License Plate	Metal - Ferrous	1	203
		Total*	200	

**Total does not include grams*

Table 4.3–2

Artifacts Recovered from Shovel Test Excavation

Site RIV-8120

Shovel Test	Depth (cm)	Soils Encountered	Object Type	Material Type	Quantity/ Weight	Cat. No.(s)
1	0-10	Yellowish brown (10YR 5/8) loose sandy silt	Bottle Cap	Metal - Ferrous	2	207
			Container - Indeterminate	Glass - Colorless	8.8 grams	212
			Electrical - Light Bulb		1	209
			Glassware - Vessel		1	210
			Hardware - Latch	Metal - Ferrous	1	206
			Jar - Canning	Glass - Colorless	1	211
			Tableware - Vessel	Ceramic - Stoneware	1	208
	10-20		Window Glass	Glass - Aqua Tint	4.2 grams	220
			Bottle Closure - Bottle Cap	Metal - Ferrous	1	213
			Container - Indeterminate	Glass - Colorless	6.9 grams	219
			Electrical - Light Bulb		1	217
			Glassware - Vessel		1	218
			Hardware - Indeterminate	Metal - Ferrous	1	214
			Tableware - Saucer	Ceramic - Porcelain	1	215
			Tableware - Vessel	Ceramic - Stoneware	1	216
	20-30		No Recovery			
2	0-10	Yellowish brown (10YR 5/8) loose sandy silt	No Recovery			
	10-20					
	20-30					
3	0-10	Yellowish brown (10YR 5/8) loose sandy silt	Brick	Brick - Clay	65.6 grams	221
			Bottle - Beverage	Glass - Colorless	3	228-230
			Bottle - Condiment		1	231
			Bottle - Indeterminate		2	226-227
			Bottle - Soda		1	232
			Bottle Cap	Metal - Ferrous	1	222
			Container - Indeterminate	Glass - Colorless	85.6 grams	225
			Jar - Canning	Glass - Aqua	2	224
			Metal - Indeterminate	Metal - Ferrous	7.7 grams	223
	10-20		Bottle - Indeterminate	Glass - Amber	1	234

Shovel Test	Depth (cm)	Soils Encountered	Object Type	Material Type	Quantity/ Weight	Cat. No.(s)
			Container - Indeterminate	Glass - Colorless	16.0 grams	235
			Jar Closure - Lid	Metal - Ferrous	1	233
	20-30		No Recovery			
4	0-10	Yellowish brown (10YR 5/8) loose sandy silt	Window Glass	Glass - Aqua Tint	12.7 grams	246
			Bottle - Beverage	Glass - Colorless	3	253-255
			Bottle - Cleaning	Glass - Amber	4.5 grams	245
			Bottle - Condiment	Glass - Colorless	1	249
			Bottle - Hair Tonic		1	256
			Bottle - Honey		1	257
			Bottle - Indeterminate		2	251-252
			Can - Indeterminate	Metal - Ferrous	1	243
			Bottle - Soda	Glass - Colorless	1	250
			Can - Indeterminate	Metal - Ferrous	7	236-242
			Container - Indeterminate	Glass - Colorless	69.2 grams	247
			Glassware - Vessel		1	248
			Metal - Indeterminate	Metal - Ferrous	66.0 grams	244
	10-20		Can - Indeterminate	Metal - Ferrous	1	258
			Container - Indeterminate	Glass - Colorless	25.3 grams	260
			Tableware - Vessel	Ceramic - Stoneware	1	259
	20-30		No Recovery			
5	0-10	Yellowish brown (10YR 5/8) loose sandy silt	Bottle - Indeterminate	Glass - Colorless	1	270
			Bottle Cap	Metal - Ferrous	1	265
			Can - Indeterminate		3	261-263
					22.2 grams	264
			Container - Indeterminate	Glass - Colorless	22.5 grams	267
			Glassware - Vessel	Glass - Jadeite	1	271
			Jar - Condiment	Glass - Colorless	1	269
			Jar - Indeterminate		1	268
			Vessel - Indeterminate	Ceramic - Earthenware	1	266
	10-20		Window Glass	Glass - Aqua Tint	4.9 grams	274
			Can - Indeterminate	Metal - Ferrous	25.3 grams	272
			Container - Indeterminate	Glass - Colorless	2.7 grams	275
			Tableware - Vessel	Ceramic -	1	273

Shovel Test	Depth (cm)	Soils Encountered	Object Type	Material Type	Quantity/ Weight	Cat. No.(s)
				Stoneware		
	20-30		No Recovery			
6	0-10	Yellowish brown (10YR 5/8) loose sandy silt	Window Glass	Glass - Aqua Tint	10.3 grams	281
			Bottle - Beverage	Glass - Amber	1	279
				Glass - Green	1	278
			Can - Indeterminate	Metal - Ferrous	5.9 grams	276
			Container - Indeterminate	Glass - Colorless	17.8 grams	280
			Tableware - Vessel	Ceramic - Stoneware	1	277
	10-20		Bottle - Medicine	Glass - Cobalt	24.0 grams	282
			Container - Indeterminate	Glass - Colorless	2.5 grams	283
	20-30		No Recovery			
7	0-10	Yellowish brown (10YR 5/8) loose sandy silt	Window Glass	Glass - Aqua Tint	6.0 grams	286
			Bottle - Indeterminate	Glass - Amber	30.0 grams	291
				Glass - Colorless	2	287-288
					6.6 grams	289
			Bottle - Medicine	Glass - Cobalt	1	290
			Toy - Gun	Metal - Ferrous	1	284
			Vessel - Indeterminate	Ceramic - Earthenware	1	285
	10-20		Bottle - Alcohol	Glass - Olive	1	292
			Container - Indeterminate	Glass - Colorless	16.0 grams	293
			Glassware - Tumbler		1	294
			Metal - Indeterminate	Metal - Ferrous	6.1 grams	295
	20-30		No Recovery			
8	0-10	Yellowish brown (10YR 5/8) loose sandy silt	Bottle - Indeterminate	Glass - Colorless	9.0 grams	298
			Glassware - Vessel		1	297
			Metal - Indeterminate	Metal - Ferrous	1.9 grams	296
	10-20		Window Glass	Glass - Aqua Tint	2.1 grams	301
			Bottle - Indeterminate	Glass - Amber	2.1 grams	300
				Glass - Colorless	3.7 grams	299
			Metal - Indeterminate	Metal - Ferrous	5.4 grams	302
	20-30		No Recovery			
9	0-10	Yellowish brown (10YR 5/8) loose sandy silt	Window Glass	Glass - Aqua Tint	13.8 grams	305
			Bottle - Alcohol	Glass - Amber	1	309
			Bottle - Beverage	Glass - Aqua Tint	1	307
			Bottle -	Glass - Amber	27.1	308

Shovel Test	Depth (cm)	Soils Encountered	Object Type	Material Type	Quantity/ Weight	Cat. No.(s)
			Indeterminate		grams	
					1	310
				Glass - Aqua Tint	9.2 grams	306
				Glass - Colorless	13.0 grams	311
			Glassware - Vessel		1	312
			Jar Closure - Lid Liner	Glass - Milk	1	313
			Metal - Indeterminate	Metal - Ferrous	4.4 grams	303
			Tableware - Vessel	Ceramic - Stoneware	1	304
	10-20		Window Glass	Glass - Aqua Tint	5.0 grams	315
			Bottle - Indeterminate	Glass - Amber	1	316
			Metal - Indeterminate	Metal - Ferrous	0.8 grams	314
	20-30		No Recovery			
10	0-10	Yellowish brown (10YR 5/8) loose sandy silt	Window Glass	Glass - Aqua Tint	0.8 grams	320
			Bottle - Indeterminate	Glass - Amber	2	321-322
				Glass - Colorless	25.8 grams	323
			Can - Indeterminate	Metal - Ferrous	1	318
			Metal - Indeterminate		36.0 grams	317
			Tableware - Vessel	Ceramic - Stoneware	1	319
	10-20		Window Glass	Glass - Aqua Tint	4.5 grams	326
			Can - Indeterminate	Metal - Ferrous	1	325
			Container - Indeterminate	Glass - Colorless	1	327
			Metal - Indeterminate	Metal - Ferrous	4.0 grams	324
	20-30		No Recovery			
11	0-10	Yellowish brown (10YR 5/8) loose sandy silt	Window Glass	Glass - Aqua Tint	1.8 grams	329
			Bottle - Indeterminate	Glass - Amber	1.5 grams	330
				Glass - Colorless	15.2 grams	331
					1	332
			Metal - Indeterminate	Metal - Ferrous	5.5 grams	328
	10-20		No Recovery			
	20-30		No Recovery			
12	0-10	Yellowish brown (10YR 5/8) loose sandy silt	Brick	Brick - Clay	114.4 grams	334
			Bottle - Cleaning	Glass - Amber	1	336
			Bottle - Indeterminate		4.1 grams	337
			Metal - Indeterminate	Metal - Ferrous	15.6	333

Shovel Test	Depth (cm)	Soils Encountered	Object Type	Material Type	Quantity/ Weight	Cat. No.(s)
					grams	
			Tableware - Vessel	Ceramic - Stoneware	1	335
	10-20		Brick	Brick - Clay	5.5 grams	344
			Bottle - Beverage	Glass - Green	2.2 grams	342
			Bottle - Indeterminate	Glass - Amber	12.9 grams	338
				Glass - Colorless	4.6 grams	339
					1	340
			Jar - Indeterminate		1	341
			Metal - Indeterminate	Metal - Ferrous	4.8 grams	345
			Tableware - Vessel	Ceramic - Stoneware	1	343
	20-30		Bottle - Beverage	Glass - Amber	1	347
			Bottle - Indeterminate	Glass - Colorless	1	348
			Metal - Indeterminate	Metal - Ferrous	0.9 grams	346
	30-40		No Recovery			
13	0-10	Yellowish brown (10YR 5/8) loose sandy silt	Bottle - Beverage	Glass - Amber	1	356
				Glass - Colorless	1	360
			Bottle - Condiment		1	364
			Bottle - Indeterminate		3	361-363
			Bottle - Soda	Glass - Green	1	357
			Can - Food	Metal - Ferrous	3	349-351
			Can - Indeterminate		1	352
			Container - Indeterminate	Glass - Colorless	9.4 grams	358
			Glassware - Tumbler		1	359
			Metal - Indeterminate	Metal - Ferrous	12.7 grams	353
			Tableware - Vessel	Ceramic - Earthenware	1	355
				Ceramic - Porcelain	1	354
	10-20		Window Glass	Glass - Aqua Tint	9.5 grams	373
			Bottle - Beverage	Glass - Amber	4.2 grams	375
					1	376
				Glass - Green	5.3 grams	374
			Can - Food	Metal - Ferrous	1	366
			Can - Indeterminate		4	367
			Comb - Hair	Plastic	1	370
			Container - Indeterminate	Glass - Colorless	23.3 grams	377
				Metal - Ferrous	1	365

Shovel Test	Depth (cm)	Soils Encountered	Object Type	Material Type	Quantity/ Weight	Cat. No.(s)
			Hardware - Handle		1	369
			Metal - Indeterminate		10.8 grams	368
			Tableware - Vessel	Ceramic - Earthenware	1	372
			Toy - Marble	Glass - Milk	1	371
	20-30		Window Glass	Glass - Aqua Tint	4.8 grams	379
			Container - Indeterminate	Glass - Colorless	5.2 grams	380
			Metal - Indeterminate	Metal - Ferrous	4.3 grams	378
	30-40		No Recovery			
14	0-10	Yellowish brown (10YR 5/8) loose sandy silt	Bottle - Beverage	Glass - Colorless	5.3 grams	386
				Glass - Green	18.6 grams	385
			Bottle Cap	Metal - Ferrous	1	383
			Can - Indeterminate		2	381-382
			Glassware - Vessel	Glass - Colorless	1	387
			Metal - Indeterminate	Metal - Ferrous	7.5 grams	384
	10-20		Bottle - Beverage	Glass - Green	1	389
			Metal - Indeterminate	Metal - Ferrous	1.5 grams	388
	20-30		No Recovery			
	30-40		No Recovery			
15	0-10	Yellowish brown (10YR 5/8) loose sandy silt	Bottle - Beverage	Glass - Amber	1	400
				Glass - Colorless	17.0 grams	401
				Glass - Green	6.7 grams	399
			Bottle - Indeterminate	Glass - Colorless	1	403
			Button - Indeterminate	Metal - Ferrous	1	396
			Can - Food		2	390-391
			Can - Indeterminate		4	392-395
			Electrical - Light Bulb	Glass - Colorless	1	398
			Jar - Canning		1	402
			Shoe - Indeterminate	Rubber	1	397
	10-20		Bottle - Beverage	Glass - Amber	1	406
				Glass - Green	1	405
			Bottle - Condiment	Glass - Colorless	1	408
			Container - Indeterminate		2.7 grams	407
			Metal - Indeterminate	Metal - Ferrous	5.2 grams	404
	20-30		No Recovery			
	30-40		No Recovery			

Shovel Test	Depth (cm)	Soils Encountered	Object Type	Material Type	Quantity/ Weight	Cat. No.(s)
16	0-10	Yellowish brown (10YR 5/8) loose sandy silt	Window Glass	Glass - Aqua Tint	68.2 grams	413
			Bottle - Beverage	Glass - Colorless	1	417
			Bottle - Cleaning	Glass - Amber	13.7 grams	414
			Bottle - Condiment	Glass - Colorless	1	418
			Bottle - Indeterminate		1	416
			Bottle - Medicine		1	419
			Bottle - Soda	Glass - Aqua Tint	1	420
			Can - Food	Metal - Ferrous	1	410
			Can - Indeterminate		1	409
			Container - Indeterminate	Glass - Colorless	13.4 grams	415
			Electrical - Knob Insulator	Ceramic - Earthenware	1	411
			Tableware - Vessel	Ceramic - Stoneware	1	412
	10-20		Window Glass	Glass - Aqua Tint	7.5 grams	422
			Metal - Indeterminate	Metal - Ferrous	3.1 grams	421
	20-30		Window Glass	Glass - Aqua Tint	0.9 grams	423
			Can - Indeterminate	Metal - Ferrous	1	425
			Tableware - Vessel	Ceramic - Stoneware	1	424
	30-40		No Recovery			
17	0-10	Yellowish brown (10YR 5/8) loose sandy silt	No Recovery			
	10-20					
	20-30					
				Total*	143	

**Total does not include grams*

Table 4.3–3
Artifacts Recovered from Test Unit Excavation
Site RIV-8120

Test Unit	Depth (cm)	Soils	Object Type	Material Type	Quantity/ Weight	Cat. No.(s)
1	0-10	Yellowish brown (10YR 5/8) loose sandy silt	Window Glass	Glass - Aqua Tint	256.2 grams	468
			Bottle - Alcohol	Glass - Colorless	1	502
			Bottle - Beverage		4	490, 493, 498-499
			Bottle - Bleach	Glass - Amber	1	473
			Bottle - Cleaning		1	472
			Bottle - Condiment	Glass - Colorless	1	482
			Bottle - Indeterminate	Glass - Amber	1	474
					77.0 grams	471
				Glass - Colorless	16	491, 494-497, 503, 505, 507-508, 510
			Bottle - Medicine	Glass - Cobalt	1	470
					32.4 grams	469
			Bottle - Milk	Glass - Colorless	1	485
			Bottle - Soda		1	492
			Bottle Cap	Metal - Ferrous	3	444
			Button - Sew-Through	Plastic - Bakelite	1	467
			Can - Evaporated Milk	Metal - Ferrous	1	466
			Can - Food		8	456, 459-460
			Can - Indeterminate		18	453-455, 457-458, 461-465
			Container - Indeterminate	Glass - Colorless	723.1 grams	477
			Electrical - Light Bulb	Metal - Ferrous	1	448
			Flooring - Tile	Ceramic - Earthenware	1	426
			Glassware - Tumbler	Glass - Colorless	5	47-480, 509, 511
			Glassware - Vessel		3	481, 486-487
			Hardware - Handle	Metal - Ferrous	1	440

Test Unit	Depth (cm)	Soils	Object Type	Material Type	Quantity/ Weight	Cat. No.(s)
1			Hardware - Hinge		2	438
			Hardware - Hook		1	439
			Hardware - Indeterminate		2	443, 449
			Hardware - Spring		1	446
			Hotelware – Bowl	Ceramic – Stoneware	1	436
			Jar - Canning	Glass - Aqua	1	475
				Glass - Colorless	9	483-484
			Jar - Condiment		1	500
					1	488
					1	489
					1	501
			Jar - Cosmetic	Glass - Milk	11.8 grams	476
			Jar - Indeterminate	Glass - Colorless	1	506
					1	504
			Lid - Indeterminate	Metal - Ferrous	4	447, 450-452
			Metal - Indeterminate		7,113.5 grams	437
			Nail - Wire		2	441-442
			Pipe - Sewer	Ceramic - Earthenware	1	427
			Planter - Pot		3	428-430
			Tableware - Bowl	Ceramic - Porcelain	2	431-432
				Ceramic - Stoneware	3	433-435
			Tube - Indeterminate	Metal - Ferrous	1	445
	10-20	Yellowish brown (10YR 5/8) loose sandy silt	Window Glass	Glass - Aqua Tint	170.3 grams	516
			Bottle - Beverage	Glass - Aqua	1	522
				Glass - Colorless	1	526
			Bottle - Condiment		1	525
			Bottle - Indeterminate		1	521
			Bottle - Medicine	Glass - Cobalt	52.2 grams	517
			Crown Cap	Metal - Ferrous	7	514
			Can - Food		2	515
			Can - Indeterminate		3	513
			Container - Indeterminate	Glass - Amber	42.8 grams	518
				Glass - Colorless	330.2 grams	520

Test Unit	Depth (cm)	Soils	Object Type	Material Type	Quantity/ Weight	Cat. No.(s)
1			Glassware - Vessel		1	527
			Jar - Canning	Glass - Aqua	6.8 grams	519
				Glass - Colorless	1	524
			Jar - Condiment		1	523
			Metal - Indeterminate	Metal - Ferrous	43.9 grams	512
			Planter - Pot	Ceramic - Earthenware	1	529
					1	528
			Tableware - Vessel	Ceramic - Stoneware	1	530
					16.7 grams	531
	20-30	Yellowish brown (10YR 5/8) loose sandy silt	Window Glass	Glass - Aqua Tint	4.5 grams	537
			Bottle - Cleaning	Glass - Amber	1	540
			Bottle Cap	Metal - Ferrous	1	533
			Can - Food		1	534
			Container - Indeterminate	Glass - Colorless	29.8 grams	538
			Jar - Canning		1	539
			Metal - Indeterminate	Metal - Ferrous	10.7 grams	532
			Planter - Pot	Ceramic - Earthenware	1	536
			Tableware - Vessel	Ceramic - Stoneware	1	535
	30-40	Yellowish brown (10YR 5/8) loose sandy silt	Bottle - Indeterminate	Glass - Amber	5.6 grams	543
			Container - Indeterminate	Glass - Colorless	5.4 grams	544
			Glassware - Vessel		1	546
			Jar - Condiment		1	545
			Metal - Indeterminate	Metal - Ferrous	7.1 grams	541
			Planter - Pot	Ceramic - Earthenware	1	542
	40-50	Yellowish brown (10YR 5/8) loose sandy silt	No Recovery			
				Total*	137	

**Total does not include grams*

Table 4.3–12
Temporally Diagnostic Artifacts Recovered
Site RIV-8120

Date Range	Object Type	Manufacturer / Company	Quantity	Cat. No.(s)
1897-1993	Can - Food	-	3	515, 534
1904-1948	Jar - Shampoo	The Toni Company	1	53
1904-1955	Bottle - Hair Tonic	F.W. Fitch Co.	1	256
1904-Present	Bottle - Alcohol	-	9	29, 59, 81, 137, 155, 200, 201, 292, 309
	Bottle - Beverage		19	5, 18, 40, 71, 118, 228-230, 253, 278-279, 307, 347, 356, 376, 389, 400, 493, 522
	Bottle - Cleaning		1	336
	Bottle - Condiment		6	107, 231, 249, 408, 482, 525
	Bottle - Cosmetic	Jergens Skincare	1	126
	Bottle - Indeterminate	-	29	28, 30, 87, 98, 134, 174, 190, 226, 234, 243, 252, 270, 287-288, 310, 316, 321, 332, 348, 491, 503, 508, 510
	Bottle - Medicine		5	154, 172, 290, 419, 470
	Bottle - Milk		4	60, 84, 181, 485
	Bottle - Soda		3	86, 250, 357
	Bottle - Toiletry		2	72, 135
	Can - Food		6	390, 459-460
	Can - Indeterminate		38	22, 33-35, 45, 91, 111-113, 142, 150, 242, 258, 261-263, 318, 367, 382, 392-395, 453-455, 457-458, 461, 464
	Container - Indeterminate		2	31, 183
	Glassware - Cup	Libbey Glass Co.	1	90
	Jar - Cold Cream	The Ponds Co.	1	152
	Jar - Condiment	-	10	41, 82-83, 139, 146, 269, 488-489, 523, 545
	Jar - Cosmetic		3	50, 100, 144

Date Range	Object Type	Manufacturer / Company	Quantity	Cat. No.(s)
	Jar - Indeterminate		6	6, 8, 51, 140, 268, 341
	Jar - Medicine		1	145
	Jug - Cleaning		4	42, 101-102, 188
1906-1932	Bottle - Medicine	Standard Glass Co.	1	199
1910-1949	Bottle - Honey	B-Z-B Honey Co.	1	257
	Jar - Condiment	-	2	175, 500
	Jar - Indeterminate		1	506
1912-Present	Jar - Condiment	Best Foods Inc.	1	24
1915-1956	Bottle - Bromo-seltzer	Maryland Glass Corp. / Emerson Drug Co.	1	97
1917-1958	Bottle - Soda	Coca Cola Bottling Co.	1	420
1920-1949	Bottle - Indeterminate	Hazel-Atlas Glass Co.	1	43
1920-1950	Jar - Indeterminate	-	1	7
1920-1964	Bottle - Condiment	Hazel-Atlas Glass Co.	1	9
	Bottle - Toiletry		1	61
1924-1940	Bottle - Condiment	Diamond Glass Co.	1	418
	Jar - Medicine		1	166
1930-1959	Bottle - Indeterminate	Maywood Glass Co.	1	10
1931-1960	Bottle - Cleaning	The Clorox Co.	1	540
1933-1959	Bottle - Orange Soda	Bireley's Inc.	1	11
1933-Present	Bottle - Beverage	-	2	417, 526
	Bottle - Soda		3	202, 205, 232
1934		Owens-Illinois Glass Co.	1	55
1935	Bottle - Indeterminate		1	56
1935-Present		-	1	38
	Can - Evaporated Milk		2	36, 78
	Can - Food		17	64, 92, 120, 141, 149, 157, 159, 167, 349-351, 366, 391, 410, 356
	Can - Indeterminate		10	37, 129, 148, 238, 352, 381, 409, 425, 462-463
1937-1947	Bottle - Hair Tonic	Owens-Illinois Glass Co. / F.W. Fitch Co.	1	136
1939-1949	Bottle - Wine	Latchford-Marble Glass Co.	1	189
1939-1957	Bottle - Indeterminate		1	403
1940-1949	Bottle - Condiment	Glass Containers	1	77

Date Range	Object Type	Manufacturer / Company	Quantity	Cat. No.(s)
		Corp.		
		Hazel-Atlas Glass Co.	1	76
1940-1954	Bottle - Beverage	Owens-Illinois Glass Co.	1	119
	Bottle - Condiment		1	105
	Bottle - Indeterminate		2	505, 521
1940-1957	Jar - Condiment	Latchford-Marble Glass Co.	1	501
1940-1959	Bottle - Bleach	Purex Corp.	3	164, 178, 473
1940-1960	Bottle - Soda	Pepsi-Cola Co.	1	492
1940-1963	Bottle - Beverage	Owens-Illinois Glass Co.	1	499
1940-1964	Bottle - Condiment	Hazel-Atlas Glass Co.	1	156
	Jug - Cleaning		1	58
1940-1968	Bottle - Alcohol	Glass Containers Corp.	1	502
	Bottle - Condiment		2	57, 182
	Bottle - Indeterminate		2	75, 198
	Jar - Indeterminate		2	104, 179
1940-1980	Bottle - Cleaning	Brockway Glass Co.	1	74
1940-Present	Bottle - Beverage	-	5	138, 255, 405-406, 490
	Bottle - Cleaning		2	124, 472
	Bottle - Indeterminate		10	108, 191, 227, 251, 322, 416, 494-495, 497, 507
	Bottle - Medicine		1	171
	Jar - Condiment		1	103
1941-1951	Can - Evaporated Milk		1	466
	Can - Food		2	127-128
1942	Bottle - Cleaning	Owens-Illinois Glass Co.	1	88
	Bottle - Condiment		1	106
1943	Bottle - Beverage		2	170, 254
1944-1949	Bottle - Food	Alexander H. Kerr & Co.	1	19
	Bottle - Indeterminate		1	496
1944-1982		Thatcher Mfg. Co.	1	474
1945	Bottle - Toiletry	Owens-Illinois Glass Co.	1	73
1948	Bottle - Beverage		1	498
1950	Bottle - Indeterminate		1	340

APPENDIX G

Artifact Catalog

Site No.	Catalog No.	Unit	Depth (cm)	Object Type	Object Subtype	Material Type	Material Subtype	Product	Functional Categories	Diagnostic Elements	Manufacture Style	Maker's Mark	Manufacturer	Company	Place Of Origin	Date Range	Dating Source	Condition	Portion	Qty	Weight (g)	Exc By	Exc On
RIV-8120	1	SC-1	Surface	Tableware	Plate	Ceramic	Stoneware	-	Kitchen Items	Clear Glaze, HP: polychrome decorative rooster overglaze	-	-	-	-	U.S.A / Europe	-	-	Fragment	Rim	1	49.6	SA, BH	4/18/2017
RIV-	2	SC-1	Surface	Tableware	Cup	Ceramic	Stoneware	-	Kitchen Items	Clear Glaze, ribbed	-	-	-	-	U.S.A / Europe	-	-	Fragment	Rim	1	35.5	SA, BH	4/18/2017
RIV-	3	SC-1	Surface	Battery	Indeterminate	Plastic	Undifferentiated	-	Household Items	EMB: unreadable	-	-	-	-	-	-	-	Fragment	Lid	1	9.1	SA, BH	4/18/2017
RIV-8120	4	SC-1	Surface	Glassware	Vessel	Glass	Colorless	-	Household Items	-	ABM	GC entwined / 28	Glass Containers Corp.	-	Fullerton, CA	1934-1968	Lindsey 2017	Fragment	Base	1	6.5	SA, BH	4/18/2017
RIV-	5	SC-1	Surface	Bottle	Beverage	Glass	Colorless	-	Consumer Items	Small Mouth External Thread	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	33.3	SA, BH	4/18/2017
RIV-	6	SC-1	Surface	Jar	Indeterminate	Glass	Colorless	-	Consumer Items	Wide Mouth External Thread	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	22.1	SA, BH	4/18/2017
RIV-	7	SC-1	Surface	Jar	Indeterminate	Glass	Honey Tint	-	Consumer Items	Wide Mouth External Thread	ABM	-	-	-	-	1920-1950	Lindsey 2017	Fragment	Finish	1	6.4	SA, BH	4/18/2017
RIV-	8	SC-1	Surface	Jar	Indeterminate	Glass	Colorless	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	1	12.9	SA, BH	4/18/2017
RIV-	9	SC-1	Surface	Bottle	Condiment	Glass	Colorless	-	Consumer Items	-	ABM	H over A	Hazel-Atlas Glass Co.	-	Wheeling, WV	1920-1964	Toulouse 1972	Fragment	Base	1	28.4	SA, BH	4/18/2017
RIV-	10	SC-1	Surface	Bottle	Indeterminate	Glass	Colorless	-	Consumer Items	-	ABM	MG	Maywood Glass Co.	-	Compton, CA	1930-1959	Whitten 2005	Fragment	Base	1	40.3	SA, BH	4/18/2017
RIV-	11	SC-1	Surface	Bottle	Beverage	Glass	Colorless	Orange Soda	Consumer Items	ACL: BIRELEY	ABM	-	-	Birelev's Inc.	California	1933-1959	Lindsey 2017	Fragment	Body	1	7.6	SA, BH	4/18/2017
RIV-8120	12	SC-2	Surface	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Too Frag to Type	-	-	-	-	-	-	-	Fragment	Body, Rim	1	18.4	SA, BH	4/18/2017
RIV-8120	13	SC-2	Surface	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Too Frag to Type	-	-	-	-	-	-	-	Fragment	Body, Rim	1	10.5	SA, BH	4/18/2017
RIV-	14	SC-2	Surface	Glassware	Vessel	Glass	Milk	-	Household Items	Paneled	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Rim	1	17	SA, BH	4/18/2017
RIV-	15	SC-2	Surface	Glassware	Vessel	Glass	Milk	-	Household Items	Molded	-	-	-	-	-	-	-	Fragment	Base	1	36.9	SA, BH	4/18/2017
RIV-	16	SC-2	Surface	Glassware	Vessel	Glass	Milk	-	Household Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	1	5.8	SA, BH	4/18/2017
RIV-	17	SC-2	Surface	Glassware	Vessel	Glass	Colorless	-	Household Items	Yellow Paint on exterior	-	-	-	-	-	-	-	Fragment	Rim	1	16.3	SA, BH	4/18/2017
RIV-	18	SC-2	Surface	Bottle	Beverage	Glass	Amber	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Base	1	30	SA, BH	4/18/2017
RIV-8120	19	SC-2	Surface	Bottle	Food	Glass	Aqua Tint	-	Consumer Items	Stippling on base, Valve mark	ABM	(AHK)	Alexander H. Kerr & Co.	-	Santa Ana, CA	1944-1949	Lindsey 2017, Whitten 2004	Fragment	Base	1	98	SA, BH	4/18/2017
RIV-	20	SC-2	Surface	Jar	Canning	Glass	Aqua	-	Kitchen Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	1	12.8	SA, BH	4/18/2017
RIV-	21	SC-2	Surface	Architecture	Window	Glass	Aqua Tint	-	Building Material	-	-	-	-	-	-	-	-	Fragment	Body	-	9.8	SA, BH	4/18/2017
RIV-	22	SC-3	Surface	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Sanitary	-	-	-	-	-	1904-Present	Rock 1989	Fragment	Rim	1	8.1	SA, BH	4/18/2017
RIV-	23	SC-3	Surface	Jar	Indeterminate	Metal	Ferrous	-	Consumer Items	-	-	-	-	-	-	-	-	Fragment	Lid	1	11.8	SA, BH	4/18/2017
RIV-8120	24	SC-3	Surface	Jar	Condiment	Metal	Ferrous	-	Consumer Items	EMB: bf'TO OPEN TURN/BEST FOODS	-	-	-	Best Foods Inc.	U.S.A.	1912-Present	Lindsey 2017	Fragment	Lid	1	18.5	SA, BH	4/18/2017
RIV-	25	SC-3	Surface	Tableware	Serving Bowl	Ceramic	Stoneware	-	Kitchen Items	Mint Green Glaze, molded	-	-	-	-	U.S.A / Europe	-	-	Fragment	Rim	1	225.5	SA, BH	4/18/2017
RIV-	26	SC-3	Surface	Tableware	Bowl	Ceramic	Stoneware	-	Kitchen Items	Clear Glaze	-	-	-	-	U.S.A / Europe	-	-	Fragment	Rim	1	44.9	SA, BH	4/18/2017
RIV-8120	27	SC-3	Surface	Tableware	Plate	Ceramic	Porcelain	-	Kitchen Items	Clear Glaze, TP: polychrome floral motif	-	-	-	-	U.S.A / Europe	-	-	Fragment	Base	1	34.8	SA, BH	4/18/2017
RIV-	28	SC-3	Surface	Bottle	Indeterminate	Glass	Amber	-	Consumer Items	Small Mouth External Thread	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	23.4	SA, BH	4/18/2017
RIV-	29	SC-3	Surface	Bottle	Beverage	Glass	Colorless	Alcohol	Consumer Items	Small Mouth External Thread	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	64.3	SA, BH	4/18/2017
RIV-	30	SC-3	Surface	Bottle	Indeterminate	Glass	Colorless	-	Consumer Items	-	ABM	FVF / USA	-	-	U.S.A.	1904-Present	Lindsey 2017	Fragment	Base	1	26.4	SA, BH	4/18/2017
RIV-	31	SC-3	Surface	Container	Indeterminate	Glass	Colorless	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	1	8.3	SA, BH	4/18/2017
RIV-	32	SC-3	Surface	Glassware	Mug	Glass	Colorless	-	Kitchen Items	Molded	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Base	1	92.5	SA, BH	4/18/2017
RIV-	33	SC-4	Surface	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Sanitary	-	-	-	-	-	1904-Present	Rock 1989	Fragment	Lid	1	17.2	SA, BH	4/18/2017
RIV-	34	SC-4	Surface	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Sanitary	-	-	-	-	-	1904-Present	Rock 1989	Fragment	Lid	1	20.2	SA, BH	4/18/2017
RIV-	35	SC-4	Surface	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Sanitary	-	-	-	-	-	1904-Present	Rock 1989	Fragment	Lid	1	18	SA, BH	4/18/2017
RIV-8120	36	SC-4	Surface	Can	Food	Metal	Ferrous	Evaporated Milk	Consumer Items	Sanitary, Church Key	-	-	-	-	-	1935-Present	Rock 1989	Fragment	Base, Body	1	81.6	SA, BH	4/18/2017
RIV-8120	37	SC-4	Surface	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Sanitary, Lap End Seam	-	-	-	-	-	1935-Present	Rock 1989	Fragment	Base, Body	1	95.2	SA, BH	4/18/2017
RIV-8120	38	SC-4	Surface	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Lap end seam	-	-	-	-	-	1935-Present	Rock 1989	Fragment	Base, Body, Finish	1	103.6	SA, BH	4/18/2017
RIV-	39	SC-4	Surface	Tableware	Platter	Ceramic	Porcelain	-	Kitchen Items	Clear Glaze	-	-	-	-	U.S.A / Europe	-	-	Fragment	Base	1	41.7	SA, BH	4/18/2017
RIV-	40	SC-4	Surface	Bottle	Beverage	Glass	Amber	-	Consumer Items	Crown Finish	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	29.2	SA, BH	4/18/2017
RIV-	41	SC-4	Surface	Jar	Condiment	Glass	Colorless	-	Consumer Items	Wide Mouth External Thread	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	30.6	SA, BH	4/18/2017
RIV-8120	42	SC-4	Surface	Jug	Cleaning	Glass	Colorless	-	Household Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Handle, Neck	1	75.8	SA, BH	4/18/2017
RIV-8120	43	SC-4	Surface	Bottle	Indeterminate	Glass	Colorless	-	Consumer Items	Valve mark	ABM	H over A	Hazel-Atlas Glass Co.	-	Wheeling, WV	1920-1949	Lindsey 2017, Toulouse 1972	Fragment	Base	1	49.4	SA, BH	4/18/2017
RIV-8120	44	SC-5	Surface	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Too Frag to Type	-	-	-	-	-	-	-	Fragment	Base, Body	1	38.9	SA, BH	4/18/2017
RIV-	45	SC-5	Surface	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Sanitary	-	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Base	1	17.3	SA, BH	4/18/2017
RIV-	46	SC-5	Surface	Graniteware	Vessel	Metal	Graniteware	-	Kitchen Items	Blue and White Enamel	-	-	-	-	-	-	-	Fragment	Body	1	8.7	SA, BH	4/18/2017
RIV-8120	47	SC-5	Surface	Tableware	Bowl	Ceramic	Stoneware	-	Kitchen Items	Clear Glaze, HP: polychrome floral underglaze	-	HAND PAIN…/BLUE/SOUTHERN…	Blue Ridge Southern Potteries	-	Erwin, TN	1938-1957	-	Fragment	Base, Body	1	48.3	SA, BH	4/18/2017
RIV-8120	48	SC-5	Surface	Hotelware	Bowl	Ceramic	Stoneware	-	Kitchen Items	Clear Glaze	-	BS: TEPCO/USA/CHINA	Technical Porcelain and Chinaware Co.	-	El Cerrito, CA	1918-1968	Eastbaytime.com	Fragment	Base, Body	1	127.5	SA, BH	4/18/2017
RIV-	49	SC-5	Surface	Toy	Marble	Glass	Blue/Milk	-	Toys and Games	Blue and white swirl	-	-	-	-	-	-	-	Complete	-	1	5.7	SA, BH	4/18/2017
RIV-	50	SC-5	Surface	Jar	Cosmetic	Glass	Milk	-	Personal Items	Bead Finish	ABM	-	-	-	-	1904-Present	Lindsey 2017	Complete	-	1	57.6	SA, BH	4/18/2017
RIV-	51	SC-5	Surface	Jar	Indeterminate	Glass	Milk	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Rim	1	17.5	SA, BH	4/18/2017
RIV-	52	SC-5	Surface	Glassware	Vessel	Glass	Milk	-	Kitchen Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Rim	1	20.9	SA, BH	4/18/2017
RIV-8120	53	SC-5	Surface	Jar	Toiletry	Glass	Milk	Shampoo	Personal Items	Wide Mouth External Thread, EMB: TONI/CREME SHAMPOO/WITH LANOLIN	ABM	-	-	The Toni Company	Chicago, IL	1904-1948	Lindsey 2017	Complete	-	1	142.3	SA, BH	4/18/2017
RIV-	54	SC-5	Surface	Architecture	Window	Glass	Aqua Tint	-	Building Material	-	-	-	-	-	-	-	-	Fragment	-	-	32.4	SA, BH	4/18/2017
RIV-8120	55	SC-5	Surface	Bottle	Beverage	Glass	Aqua Tint	Soda	Consumer Items	ACL: 16 FL OZ./FULERTON CALIF	ABM	20 <(I)> 4	Owens-Illinois Glass Co.	-	San Francisco, CA	1934	Lockhart & Hoenig 2015	Fragment	Base	1	134.7	SA, BH	4/18/2017
RIV-8120	56	SC-5	Surface	Bottle	Indeterminate	Glass	Aqua Tint	-	Consumer Items	EMB (on base): … CALIF / \B/	ABM	20 <(I)> 5	Owens-Illinois Glass Co.	-	San Francisco, CA	1935	Lockhart & Hoenig 2015	Fragment	Base	1	135.1	SA, BH	4/18/2017
RIV-8120	57	SC-5	Surface	Bottle	Condiment	Glass	Colorless	-	Consumer Items	Stippling on base	ABM	GC entwined 11/3507	Glass Containers Corp.	-	Fullerton, CA	1940-1968	Lindsey 2017	Fragment	Base	1	27.2	SA, BH	4/18/2017
RIV-	58	SC-5	Surface	Jug	Cleaning	Glass	Colorless	-	Household Items	Stippling on base	ABM	H over A	Hazel-Atlas Glass Co.	-	Wheeling, WV	1940-1964	Toulouse 1972	Fragment	Base	1	310.2	SA, BH	4/18/2017
RIV-8120	59	SC-5	Surface	Bottle	Beverage	Glass	Colorless	Alcohol	Consumer Items	Small Mouth External Thread, metal cap attached	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	84.1	SA, BH	4/18/2017
RIV-	60	SC-5	Surface	Bottle	Dairy	Glass	Colorless	Milk	Consumer Items	Capseat Finish	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	57.3	SA, BH	4/18/2017
RIV-	61	SC-5	Surface	Bottle	Toiletry	Glass	Colorless	-	Personal Items	Small Mouth External Thread	ABM	H over A	Hazel-Atlas Glass Co.	-	-	1920-1964	Toulouse 1972	Complete	-	1	97.8	SA, BH	4/18/2017
RIV-	62	SC-5	Surface	Hardware	Cover	Glass	Colorless	-	Hardware Items	Molded	-	L. L. Co 1935-…	-	L.L. Co.	-	-	-	Fragment	Rim	1	34.2	SA, BH	4/18/2017

Site No.	Catalog No.	Unit	Depth (cm)	Object Type	Object Subtype	Material Type	Material Subtype	Product	Functional Categories	Diagnostic Elements	Manufacture Style	Maker's Mark	Manufacturer	Company	Place Of Origin	Date Range	Dating Source	Condition	Portion	Qty	Weight (g)	Exc By	Exc On
RIV-	63	SC-5	Surface	Glassware	Goblet	Glass	Colorless	-	Kitchen Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Base	1	52.9	SA, BH	4/18/2017
RIV-8120	64	SC-6	Surface	Can	Food	Metal	Ferrous	Food	Consumer Items	Sanitary, Lap End Seam	-	-	-	-	-	1935-Present	Rock 1989	Fragment	Base, Body	1	70.9	SA, BH	4/18/2017
RIV-	65	SC-6	Surface	Hotelware	Platter	Ceramic	Porcelain	-	Kitchen Items	Clear Glaze	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Rim	1	167.3	SA, BH	4/18/2017
RIV-	66	SC-6	Surface	Tableware	Mug	Ceramic	Stoneware	-	Kitchen Items	Clear Glaze	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Base	1	34.5	SA, BH	4/18/2017
RIV-8120	67	SC-6	Surface	Tableware	Plate	Ceramic	Stoneware	-	Kitchen Items	Yellow Glaze	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Base, Body, Rim	1	98.9	SA, BH	4/18/2017
RIV-8120	68	SC-6	Surface	Tableware	Plate	Ceramic	Stoneware	-	Kitchen Items	Clear Glaze, TP: blue willow underglaze	-	-	-	-	England	-	-	Fragment	Base	1	6.4	SA, BH	4/18/2017
RIV-	69	SC-6	Surface	Toy	Marble	Glass	Blue/Milk	-	Toys and Games	Blue and white swirl	-	-	-	-	-	-	-	Complete	-	1	5.3	SA, BH	4/18/2017
RIV-8120	70	SC-6	Surface	Electrical	Fuse	Glass	Colorless	-	Building Material	EMB: SHOCKPROOF-THRIFT-125 V	-	-	-	-	-	-	-	Fragment	-	1	18.8	SA, BH	4/18/2017
RIV-	71	SC-6	Surface	Bottle	Beverage	Glass	Amber	-	Consumer Items	Crown Finish	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	26.1	SA, BH	4/18/2017
RIV-	72	SC-6	Surface	Bottle	Toiletry	Glass	Colorless	-	Personal Items	Small Mouth External Thread	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	12.3	SA, BH	4/18/2017
RIV-8120	73	SC-6	Surface	Bottle	Toiletry	Glass	Colorless	-	Personal Items	Small Mouth External Thread EMB: (shoulder) "3 / oz." (heel) Duraglas <script>	ABM	ILLINOIS/4 <(I)> 5	Owens-Illinois Glass Co.	-	Clarksburg, WV	1945	Lockhart & Hoenig 2015	Complete	-	1	102	SA, BH	4/18/2017
RIV-8120	74	SC-6	Surface	Bottle	Cleaning	Glass	Colorless	-	Household Items	Small Mouth External Thread, metal cap, stippled base, paper label	ABM	M-32 / (B) / 2	Brockway Glass Co.	-	Brockway, PA	1940-1980	Lindsey 2017	Complete	-	1	179.2	SA, BH	4/18/2017
RIV-8120	75	SC-6	Surface	Bottle	Indeterminate	Glass	Colorless	-	Consumer Items	-	ABM	GC <entwined> / 1988 / 1	Glass Containers Corp.	-	Fullerton, CA	1940-1968	Lindsey 2017	Fragment	Base	1	97	SA, BH	4/18/2017
RIV-	76	SC-6	Surface	Bottle	Condiment	Glass	Colorless	-	Consumer Items	Valve mark, stippled base	ABM	H over A	Hazel-Atlas Glass Co.	-	Wheeling, WV	1940-1949	Lindsey 2017	Fragment	Base	1	33.8	SA, BH	4/18/2017
RIV-	77	SC-6	Surface	Bottle	Condiment	Glass	Colorless	-	Consumer Items	Valve mark, stippled base	ABM	GC <entwined>	Glass Containers Corp.	-	Fullerton, CA	1940-1949	Lindsey 2017	Fragment	Base	1	49.2	SA, BH	4/18/2017
RIV-	78	SC-7	Surface	Can	Food	Metal	Ferrous	Evaporated Milk	Consumer Items	Sanitary, Church Key	-	-	-	-	-	1935-Present	Lindsey 2017	Fragment	Lid	1	17.5	SA, BH	4/18/2017
RIV-	79	SC-7	Surface	Tableware	Mug	Ceramic	Stoneware	-	Kitchen Items	Clear Glaze	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Rim	1	19.6	SA, BH	4/18/2017
RIV-8120	80	SC-7	Surface	Glassware	Dish	Glass	Milk	-	Kitchen Items	Ribbed	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Base, Body, Rim	1	68.2	SA, BH	4/18/2017
RIV-	81	SC-7	Surface	Bottle	Beverage	Glass	Amber	Alcohol	Consumer Items	Small Mouth External Thread	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	94	SA, BH	4/18/2017
RIV-8120	82	SC-7	Surface	Jar	Condiment	Glass	Colorless	-	Consumer Items	Wide Mouth External Thread, metal cap attached	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	51.7	SA, BH	4/18/2017
RIV-	83	SC-7	Surface	Jar	Condiment	Glass	Colorless	-	Consumer Items	Wide Mouth External Thread	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	63.4	SA, BH	4/18/2017
RIV-	84	SC-7	Surface	Bottle	Dairy	Glass	Colorless	Milk	Consumer Items	Capseat Finish	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	54.4	SA, BH	4/18/2017
RIV-	85	SC-7	Surface	Glassware	Vessel	Glass	Colorless	-	Kitchen Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Handle	1	17.4	SA, BH	4/18/2017
RIV-	86	SC-7	Surface	Bottle	Beverage	Glass	Colorless	Soda	Consumer Items	Pressed Grape Pattern	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	1	26.8	SA, BH	4/18/2017
RIV-	87	SC-7	Surface	Bottle	Indeterminate	Glass	Colorless	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	1	17.2	SA, BH	4/18/2017
RIV-8120	88	SC-7	Surface	Bottle	Cleaning	Glass	Colorless	-	Household Items	Stippling on base, Valve mark	ABM	<(I)> 2 / 6	Owens-Illinois Glass Co.	-	-	1942	Lockhart & Hoenig 2015	Fragment	Base	1	71.2	SA, BH	4/18/2017
RIV-	89	SC-7	Surface	Glassware	Vessel	Glass	Colorless	-	Household Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Rim	1	35.9	SA, BH	4/18/2017
RIV-	90	SC-7	Surface	Glassware	Cup	Glass	Colorless	-	Household Items	-	ABM	L (script)	Libbey Glass Co.	-	Toledo, OH	1904-Present	Lindsey 2017	Fragment	Base	1	143.1	SA, BH	4/18/2017
RIV-8120	91	SC-8	Surface	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Sanitary	-	-	-	-	-	1904-Present	Rock 1989	Fragment	Base, Body	1	65.9	SA, BH	4/18/2017
RIV-	92	SC-8	Surface	Can	Food	Metal	Ferrous	-	Consumer Items	Sanitary, Church Key	-	-	-	-	-	1935-Present	Rock 1989	Complete	-	1	83.9	SA, BH	4/18/2017
RIV-	93	SC-8	Surface	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Too Frag to Type	-	-	-	-	-	-	-	Fragment	Finish	1	39.4	SA, BH	4/18/2017
RIV-8120	94	SC-8	Surface	Tableware	Vessel	Ceramic	Stoneware	-	Kitchen Items	Light Blue Glaze	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Body, Handle	1	76.2	SA, BH	4/18/2017
RIV-	95	SC-8	Surface	Tableware	Vessel	Ceramic	Stoneware	-	Kitchen Items	Clear and Light Blue Glaze	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Handle	1	1.7	SA, BH	4/18/2017
RIV-	96	SC-8	Surface	Crockery	Vessel	Ceramic	Earthenware	-	Kitchen Items	Clear Glaze	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Body	1	44.9	SA, BH	4/18/2017
RIV-	97	SC-8	Surface	Bottle	Medicine	Glass	Cobalt	Bromo-seltzer	Consumer Items	EMB: (heel) …OMO-SEL…	ABM	(M)	Maryland Glass Corp.	Emerson Drug Co.	Baltimore, MD	1915-1956	Lindsey 2017	Fragment	Base	1	18.7	SA, BH	4/18/2017
RIV-	98	SC-8	Surface	Bottle	Indeterminate	Glass	Amber	-	Consumer Items	Small Mouth External Thread	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	33.8	SA, BH	4/18/2017
RIV-	99	SC-8	Surface	Glassware	Vessel	Glass	Milk	-	Household Items	Ribbed	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	1	23.7	SA, BH	4/18/2017
RIV-	100	SC-8	Surface	Jar	Cosmetic	Glass	Milk	-	Personal Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Base	1	41.4	SA, BH	4/18/2017
RIV-8120	101	SC-8	Surface	Jug	Cleaning	Glass	Colorless	-	Household Items	Small Mouth External Thread	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish, Handle	1	134.6	SA, BH	4/18/2017
RIV-8120	102	SC-8	Surface	Jug	Cleaning	Glass	Colorless	-	Household Items	Small Mouth External Thread	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish, Handle	1	73	SA, BH	4/18/2017
RIV-8120	103	SC-8	Surface	Jar	Condiment	Glass	Colorless	-	Consumer Items	Wide Mouth External Thread, Stippling on body	ABM	-	-	-	-	1940-Present	Lindsey 2017	Fragment	Finish	1	72	SA, BH	4/18/2017
RIV-	104	SC-8	Surface	Jar	Indeterminate	Glass	Colorless	-	Consumer Items	-	ABM	GC <entwined>	Glass Containers Corp.	-	Fullerton, CA	1940-1968	Lindsey 2017	Fragment	Base	1	91.8	SA, BH	4/18/2017
RIV-8120	105	SC-8	Surface	Bottle	Condiment	Glass	Colorless	-	Consumer Items	EMB (on base): PROPERTY, stippled body	ABM	23 <(I)>…	Owens-Illinois Glass Co.	-	Los Angeles, CA	1940-1954	Lindsey 2017	Fragment	Base	1	62.3	SA, BH	4/18/2017
RIV-	106	SC-8	Surface	Bottle	Condiment	Glass	Colorless	-	Consumer Items	Stippling on base	ABM	20 <(I)> 2	Owens-Illinois Glass Co.	-	Oakland, CA	1942	Lindsey 2017	Fragment	Base	1	60.3	SA, BH	4/18/2017
RIV-	107	SC-8	Surface	Bottle	Condiment	Glass	Colorless	-	Consumer Items	Small Mouth External Thread	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	22.3	SA, BH	4/18/2017
RIV-	108	SC-8	Surface	Bottle	Indeterminate	Glass	Colorless	-	Consumer Items	Stippling on base	ABM	-	-	-	-	1940-Present	Lindsey 2017	Fragment	Base	1	12.7	SA, BH	4/18/2017
RIV-	109	SC-8	Surface	Glassware	Vessel	Glass	Colorless	-	Kitchen Items	Bead finish	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	2	SA, BH	4/18/2017
RIV-8120	110	SC-9	Surface	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Too Frag to Type	-	-	-	-	-	-	-	Fragment	Body, Finish	1	119.2	SA, BH	4/18/2017
RIV-8120	111	SC-9	Surface	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Sanitary	-	-	-	-	-	1904-Present	Rock 1989	Fragment	Base, Body	1	34.5	SA, BH	4/18/2017
RIV-	112	SC-9	Surface	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Sanitary	-	-	-	-	-	1904-Present	Rock 1989	Fragment	Lid	1	12.4	SA, BH	4/18/2017
RIV-	113	SC-9	Surface	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Sanitary	-	-	-	-	-	1904-Present	Rock 1989	Fragment	Lid	1	15.1	SA, BH	4/18/2017
RIV-8120	114	SC-9	Surface	Tableware	Plate	Ceramic	Stoneware	-	Kitchen Items	Clear Glaze, TP: pink and green floral underglaze	-	BS: illegible	-	-	U.S.A. / Europe	-	-	Fragment	Base	1	22.6	SA, BH	4/18/2017
RIV-8120	115	SC-9	Surface	Tableware	Vessel	Ceramic	Porcelain	-	Kitchen Items	Orange Paste, Clear Glaze	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Body, Handle	1	30.3	SA, BH	4/18/2017
RIV-	116	SC-9	Surface	Electrical	Fuse	Glass	Colorless	-	Building Material	EMB: 125 V MAJOR USA	-	-	-	Major U.S.A.	U.S.A.	-	-	Complete	-	1	26.6	SA, BH	4/18/2017
RIV-	117	SC-9	Surface	Glassware	Vessel	Glass	Milk	-	Household Items	Pressed Glass, floral motif	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	1	60	SA, BH	4/18/2017
RIV-	118	SC-9	Surface	Bottle	Beverage	Glass	Amber	-	Consumer Items	Crown Finish	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	58.3	SA, BH	4/18/2017
RIV-8120	119	SC-9	Surface	Bottle	Beverage	Glass	Amber	-	Consumer Items	EMB: 4/5 QUART, stippling on base	ABM	<(I)>	Owens-Illinois Glass Co.	-	-	1940-1954	Lindsey 2017	Fragment	Base	1	121	SA, BH	4/18/2017
RIV-8120	120	SC-10	Surface	Can	Food	Metal	Ferrous	Food	Consumer Items	Sanitary, Lap End Seam	-	-	-	-	-	1935-Present	Rock 1989	Fragment	Base, Body	1	126.2	SA, BH	4/18/2017
RIV-8120	121	SC-10	Surface	Tableware	Saucer	Ceramic	Porcelain	-	Kitchen Items	Clear Glaze	-	CARR./CHINA CO.	Carr China Co.	-	Grafton, WV	1916-1966	Lindsey 2017	Fragment	Base, Body, Finish	1	127.2	SA, BH	4/18/2017

Site No.	Catalog No.	Unit	Depth (cm)	Object Type	Object Subtype	Material Type	Material Subtype	Product	Functional Categories	Diagnostic Elements	Manufacture Style	Maker's Mark	Manufacturer	Company	Place Of Origin	Date Range	Dating Source	Condition	Portion	Qty	Weight (g)	Exc By	Exc On
RIV-	122	SC-10	Surface	Tableware	Plate	Ceramic	Stoneware	-	Kitchen Items	Clear Glaze	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Rim	1	14.9	SA, BH	4/18/2017
RIV-	123	SC-10	Surface	Tableware	Plate	Ceramic	Stoneware	-	Kitchen Items	Clear Glaze, molded rim	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Rim	1	5.4	SA, BH	4/18/2017
RIV-8120	124	SC-10	Surface	Bottle	Cleaning	Glass	Amber	-	Household Items	Small Mouth External Thread, stippled body	ABM	-	-	-	-	1940-Present	Lindsey 2017	Fragment	Finish	1	32.4	SA, BH	4/18/2017
RIV-	125	SC-10	Surface	Jar	Canning	Glass	Colorless	-	Kitchen Items	Wide Mouth External Thread	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	33.2	SA, BH	4/18/2017
RIV-8120	126	SC-10	Surface	Bottle	Cosmetic	Glass	Colorless	-	Personal Items	Small Mouth External Thread, metal cap attached EMB: (base) "JERGENS 2 / D. PAT APPLIED FOR"	ABM	-	-	Jergens Skincare	-	1904-Present	Lindsey 2017	Complete	-	1	58.6	SA, BH	4/18/2017
RIV-	127	SC-11	Surface	Can	Food	Metal	Ferrous	-	Consumer Items	Vent Hole, church key, di: 3" h: 4"	-	-	-	-	-	1941-1951	Rock 1989	Complete	-	1	66.4	SA, BH	4/18/2017
RIV-	128	SC-11	Surface	Can	Food	Metal	Ferrous	-	Consumer Items	Vent Hole, church key, di: 3" h: 4"	-	-	-	-	-	1941-1951	Rock 1989	Complete	-	1	64.2	SA, BH	4/18/2017
RIV-	129	SC-11	Surface	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Sanitary, Lap End Seam	-	-	-	-	-	1935-Present	Rock 1989	Complete	-	1	64.2	SA, BH	4/18/2017
RIV-	130	SC-11	Surface	Tableware	Plate	Ceramic	Stoneware	-	Kitchen Items	Clear Glaze	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Base	1	8.3	SA, BH	4/18/2017
RIV-	131	SC-11	Surface	Glassware	Bowl	Glass	Jade	-	Kitchen Items	Molded	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Base	1	11.6	SA, BH	4/18/2017
RIV-	132	SC-11	Surface	Jar	Canning	Glass	Colorless	-	Kitchen Items	Wide Mouth External Thread	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	82.6	SA, BH	4/18/2017
RIV-	133	SC-11	Surface	Jar	Canning	Glass	Colorless	-	Kitchen Items	Wide Mouth External Thread	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	40	SA, BH	4/18/2017
RIV-	134	SC-11	Surface	Bottle	Indeterminate	Glass	Colorless	-	Consumer Items	Small Mouth External Thread	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	25.1	SA, BH	4/18/2017
RIV-	135	SC-11	Surface	Bottle	Toiletry	Glass	Colorless	-	Personal Items	Sprinkler Top	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	7.6	SA, BH	4/18/2017
RIV-8120	136	SC-11	Surface	Bottle	Toiletry	Glass	Colorless	Hair Tonic	Personal Items	EMB (on base): FITCH'S	ABM	23 <(I)> 7	Owens-Illinois Glass Co.	F.W. Fitch Co.	Los Angeles, CA	1937-1947	Fike 1987, Lockhart & Hoenig 2015	Fragment	Base	1	42.7	SA, BH	4/18/2017
RIV-8120	137	SC-12	Surface	Bottle	Beverage	Glass	Amber	Alcohol	Consumer Items	Small Mouth External Thread, Metal Cap Attached	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	30.3	SA, BH	4/18/2017
RIV-	138	SC-12	Surface	Bottle	Beverage	Glass	Colorless	-	Consumer Items	Crown Finish, Stippled body	ABM	-	-	-	-	1940-Present	Lindsey 2017	Fragment	Finish	1	22.7	SA, BH	4/18/2017
RIV-	139	SC-12	Surface	Jar	Condiment	Glass	Colorless	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Base	1	32.4	SA, BH	4/18/2017
RIV-	140	SC-12	Surface	Jar	Indeterminate	Glass	Colorless	-	Consumer Items	Bead Finish	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	16.7	SA, BH	4/18/2017
RIV-	141	SC-13	Surface	Can	Food	Metal	Ferrous	-	Consumer Items	Sanitary, Church Key	-	-	-	-	-	1935-Present	Rock 1989	Complete	-	1	84.9	SA, BH	4/18/2017
RIV-	142	SC-13	Surface	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Sanitary	-	-	-	-	-	1904-Present	Rock 1989	Fragment	Lid	1	16.6	SA, BH	4/18/2017
RIV-	143	SC-13	Surface	Automotive	License Plate	Metal	Ferrous	-	Transportation Items	Molded: 52	-	-	-	-	-	1952	-	Fragment	-	1	12.7	SA, BH	4/18/2017
RIV-	144	SC-13	Surface	Jar	Cosmetic	Glass	Milk	-	Personal Items	Wide Mouth External Thread	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	1	16.1	SA, BH	4/18/2017
RIV-	145	SC-13	Surface	Jar	Medicine	Glass	Amber	-	Consumer Items	Wide Mouth External Thread	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	37.7	SA, BH	4/18/2017
RIV-	146	SC-13	Surface	Jar	Condiment	Glass	Colorless	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Base	1	74.5	SA, BH	4/18/2017
RIV-	147	SC-13	Surface	Button	Sew-Through	Glass	Colorless	-	Garment Items	4-hole	-	-	-	-	-	-	-	Complete	-	1	2.2	SA, BH	4/18/2017
RIV-	148	SC-14	Surface	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Sanitary, Lap End Seam	-	-	-	-	-	1935-Present	Rock 1989	Complete	-	1	93.4	SA, BH	4/18/2017
RIV-	149	SC-14	Surface	Can	Food	Metal	Ferrous	-	Consumer Items	Sanitary, church key	-	-	-	-	-	1935-Present	Rock 1989	Complete	-	1	18.9	SA, BH	4/18/2017
RIV-	150	SC-14	Surface	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Sanitary	-	-	-	-	-	1904-Present	Rock 1989	Complete	-	1	20.8	SA, BH	4/18/2017
RIV-	151	SC-14	Surface	Hardware	Toilet	Ceramic	Porcelain	-	Hardware Items	Clear Glaze	-	-	-	-	U.S.A. / Europe	-	-	Fragment	-	1	167.2	SA, BH	4/18/2017
RIV-8120	152	SC-14	Surface	Jar	Cosmetic	Glass	Milk	Cold Cream	Personal Items	EMB (on base): POND'S	ABM	-	-	The Ponds Co.	-	1904-Present	Lindsey 2017	Fragment	Base, Body	1	38.3	SA, BH	4/18/2017
RIV-	153	SC-14	Surface	Glassware	Tumbler	Glass	Cobalt	-	Kitchen Items	Round Bottom	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Base	1	79.2	SA, BH	4/18/2017
RIV-	154	SC-14	Surface	Bottle	Medicine	Glass	Amber	-	Consumer Items	Small Mouth External Thread	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	26.8	SA, BH	4/18/2017
RIV-8120	155	SC-14	Surface	Bottle	Beverage	Glass	Colorless	Alcohol	Consumer Items	Small Mouth External Thread, metal cap attached	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	36.4	SA, BH	4/18/2017
RIV-	156	SC-14	Surface	Bottle	Condiment	Glass	Colorless	-	Consumer Items	Stippling on base	ABM	H over A	Hazel-Atlas Glass Co.	-	Wheeling, WV	1940-1964	Toulouse 1972	Fragment	Base	1	18.3	SA, BH	4/18/2017
RIV-8120	157	SC-15	Surface	Can	Food	Metal	Ferrous	-	Consumer Items	Sanitary, Lap End Seam, Church Key	-	-	-	-	-	1935-Present	Rock 1989	Complete	-	1	89.6	SA, BH	4/18/2017
RIV-	158	SC-15	Surface	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	-	-	-	-	-	-	-	-	Fragment	Rim	1	42.8	SA, BH	4/18/2017
RIV-	159	SC-15	Surface	Can	Food	Metal	Ferrous	-	Consumer Items	Sanitary, Church Key	-	-	-	-	-	1935-Present	Rock 1989	Fragment	Lid	1	16.5	SA, BH	4/18/2017
RIV-	160	SC-15	Surface	Shoe	Men's	Rubber	Undifferentiated	-	Garment Items	-	-	-	-	-	-	-	-	Fragment	Sole	1	125.5	SA, BH	4/18/2017
RIV-8120	161	SC-15	Surface	Tableware	Mug	Ceramic	Stoneware	-	Kitchen Items	Clear Glaze, TP: polychrome floral underglaze	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Body	1	11.7	SA, BH	4/18/2017
RIV-	162	SC-15	Surface	Hardware	Toilet	Ceramic	Porcelain	-	Household Items	Clear Glaze	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Body	1	101.3	SA, BH	4/18/2017
RIV-	163	SC-15	Surface	Bottle	Indeterminate	Glass	Cobalt	-	Consumer Items	-	-	-	-	-	-	-	-	Fragment	Base	1	42.1	SA, BH	4/18/2017
RIV-8120	164	SC-15	Surface	Bottle	Cleaning	Glass	Amber	Bleach	Household Items	Small Mouth External Thread, Stippling in body, EMB: PUREX	ABM	-	-	Purex Corp.	Los Angeles, CA	1940-1959	Lindsey 2017	Fragment	Finish	1	28.9	SA, BH	4/18/2017
RIV-	165	SC-15	Surface	Jar	Canning	Glass	Colorless	-	Kitchen Items	Wide Mouth External Thread	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	24.8	SA, BH	4/18/2017
RIV-	166	SC-15	Surface	Jar	Medicine	Glass	Colorless	-	Consumer Items	Wide Mouth External Thread	ABM	<>	Diamond Glass Co.	-	Roversford, PA	1924-1940	Lindsey 2017	Complete	-	1	84.4	SA, BH	4/18/2017
RIV-8120	167	SC-16	Surface	Can	Food	Metal	Ferrous	-	Consumer Items	Sanitary, Lap End Seam, Church Key	-	-	-	-	-	1935-Present	Rock 1989	Complete	-	1	94.9	SA, BH	4/18/2017
RIV-	168	SC-16	Surface	Metal	Indeterminate	Metal	Ferrous	-	Consumer Items	-	-	-	-	-	-	-	-	Fragment	-	1	296.5	SA, BH	4/18/2017
RIV-	169	SC-16	Surface	Tableware	Plate	Ceramic	Stoneware	-	Kitchen Items	Pink Glaze	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Rim	1	9.5	SA, BH	4/18/2017
RIV-8120	170	SC-16	Surface	Bottle	Beverage	Glass	Green	-	Consumer Items	Stippling on base, EMB: Duraglas (script)	ABM	23 <(I)> 3 / 7C	Owens-Illinois Glass Co.	-	Los Angeles, CA	1943	Lindsey 2017	Fragment	Base	1	73.5	SA, BH	4/18/2017
RIV-	171	SC-16	Surface	Bottle	Medicine	Glass	Cobalt	-	Consumer Items	Stippling on base	ABM	-	-	-	-	1940-Present	Lindsey 2017	Fragment	Base	1	13.3	SA, BH	4/18/2017
RIV-	172	SC-16	Surface	Bottle	Medicine	Glass	Cobalt	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	1	19	SA, BH	4/18/2017
RIV-	173	SC-16	Surface	Glass	Indeterminate	Glass	Cobalt	-	Unknown Items	-	-	-	-	-	-	-	-	Fragment	-	1	5.5	SA, BH	4/18/2017
RIV-	174	SC-16	Surface	Bottle	Indeterminate	Glass	Colorless	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Base	1	22.4	SA, BH	4/18/2017
RIV-	175	SC-16	Surface	Jar	Condiment	Glass	Colorless	-	Consumer Items	Valve mark	ABM	-	-	-	-	1910-1949	Lindsey 2017	Fragment	Base	1	10.6	SA, BH	4/18/2017
RIV-	176	SC-16	Surface	Architecture	Window	Glass	Aqua Tint	-	Building Material	-	-	-	-	-	-	-	-	Fragment	-	-	11	SA, BH	4/18/2017
RIV-8120	177	SC-17	Surface	Tableware	Plate	Ceramic	Stoneware	-	Kitchen Items	Clear Glaze, TP: green stripe along rim, molded rim	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Rim	1	11.3	SA, BH	4/18/2017
RIV-	178	SC-17	Surface	Bottle	Cleaning	Glass	Amber	Bleach	Household Items	Stippling, EMB: PUREX	ABM	-	-	Purex Corp.	Los Angeles, CA	1940-1959	Lindsey 2017	Fragment	Body	1	18.4	SA, BH	4/18/2017
RIV-	179	SC-17	Surface	Jar	Indeterminate	Glass	Colorless	-	Consumer Items	-	ABM	GC <entwined>	Glass Containers Corp.	-	Fullerton, CA	1940-1968	Lindsey 2017	Fragment	Base	1	26.2	SA, BH	4/18/2017
RIV-	180	SC-17	Surface	Jar	Canning	Glass	Colorless	-	Kitchen Items	Wide Mouth External Thread	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	47.8	SA, BH	4/18/2017
RIV-	181	SC-17	Surface	Bottle	Dairy	Glass	Colorless	Milk	Consumer Items	Capseat Finish, EMB:…DSA/DS…	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	113.3	SA, BH	4/18/2017
RIV-8120	182	SC-17	Surface	Bottle	Condiment	Glass	Colorless	-	Consumer Items	-	ABM	GC <entwined>	Glass Containers Corp.	-	Fullerton, CA	1940-1968	Lindsey 2017	Fragment	Base, Body	1	234.2	SA, BH	4/18/2017
RIV-	183	SC-17	Surface	Container	Indeterminate	Glass	Colorless	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	1	24.7	SA, BH	4/18/2017
RIV-	184	SC-18	Surface	Shoe	Men's	Rubber	Undifferentiated	-	Garment Items	-	-	-	-	-	-	-	-	Fragment	Sole	1	72.8	SA, BH	4/18/2017
RIV-	185	SC-18	Surface	Crockery	Jar	Ceramic	Earthenware	-	Kitchen Items	Clear Glaze	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Rim	1	59.6	SA, BH	4/18/2017
RIV-	186	SC-18	Surface	Architecture	Window	Glass	Aqua - Dark	-	Building Material	Molded scale pattern	-	-	-	-	-	-	-	Fragment	-	-	54.6	SA, BH	4/18/2017
RIV-	187	SC-18	Surface	Jar	Canning	Glass	Aqua	-	Kitchen Items	-	-	-	-	-	-	-	-	Fragment	Body	-	1.6	SA, BH	4/18/2017
RIV-8120	188	SC-18	Surface	Jug	Cleaning	Glass	Amber	-	Household Items	Small Mouth External Thread	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish, Handle	1	106.6	SA, BH	4/18/2017

Site No.	Catalog No.	Unit	Depth (cm)	Object Type	Object Subtype	Material Type	Material Subtype	Product	Functional Categories	Diagnostic Elements	Manufacture Style	Maker's Mark	Manufacturer	Company	Place Of Origin	Date Range	Dating Source	Condition	Portion	Qty	Weight (g)	Exc By	Exc On
RIV-8120	189	SC-18	Surface	Bottle	Beverage	Glass	Colorless	Wine	Consumer Items	Valve mark, EMB (on base): CALIF WINE ASSOCIATION/REFILLING/PROHIBITED	ABM	LM	Latchford-Marble Glass Co.	-	Los Angeles, CA	1939-1949	Lindsey 2017	Fragment	Base	1	65.7	SA, BH	4/18/2017
RIV-	190	SC-18	Surface	Bottle	Indeterminate	Glass	Colorless	-	Consumer Items	Small Mouth External Thread	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	61.2	SA, BH	4/18/2017
RIV-	191	SC-18	Surface	Bottle	Indeterminate	Glass	Colorless	-	Consumer Items	Stippling on body	ABM	-	-	-	-	1940-Present	Lindsey 2017	Fragment	Body	1	24.2	SA, BH	4/18/2017
RIV-	192	SC-19	Surface	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Too Frag to Type	-	-	-	-	-	-	-	Fragment	Body	1	75.8	SA, BH	4/18/2017
RIV-	193	SC-19	Surface	Tableware	Plate	Ceramic	Porcelain	-	Kitchen Items	Clear Glaze	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Base	1	18.8	SA, BH	4/18/2017
RIV-	194	SC-19	Surface	Tableware	Plate	Ceramic	Stoneware	-	Kitchen Items	Clear Glaze	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Base	1	13.3	SA, BH	4/18/2017
RIV-8120	195	SC-19	Surface	Tableware	Plate	Ceramic	Stoneware	-	Kitchen Items	Clear Glaze, TP: polychrome floral and geometric underglaze	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Rim	1	4.5	SA, BH	4/18/2017
RIV-	196	SC-19	Surface	Jar	Canning	Glass	Aqua	-	Kitchen Items	Owens suction scar	ABM	-	-	-	-	1905-1947	Lindsey 2017	Fragment	Base	1	16.9	SA, BH	4/18/2017
RIV-	197	SC-19	Surface	Jar	Canning	Glass	Aqua	-	Kitchen Items	Wide Mouth External Thread	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	24	SA, BH	4/18/2017
RIV-	198	SC-19	Surface	Bottle	Indeterminate	Glass	Colorless	-	Consumer Items	-	ABM	GC <entwined>	Glass Containers Corp.	-	Fullerton, CA	1940-1968	Lindsey 2017	Fragment	Base	1	44.2	SA, BH	4/18/2017
RIV-	199	SC-19	Surface	Bottle	Medicine	Glass	Colorless	-	Consumer Items	-	ABM	BLUE RIBBON	Standard Glass Co.	-	Marion, IN	1906-1932	Lindsey 2017	Fragment	Base	1	57.1	SA, BH	4/18/2017
RIV-	200	SC-19	Surface	Bottle	Beverage	Glass	Colorless	Alcohol	Consumer Items	Small Mouth External Thread	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	75.2	SA, BH	4/18/2017
RIV-8120	201	SC-19	Surface	Bottle	Beverage	Glass	Colorless	Alcohol	Consumer Items	Small Mouth External Thread, metal cap attached	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	63.5	SA, BH	4/18/2017
RIV-8120	202	SC-19	Surface	Bottle	Beverage	Glass	Colorless	Soda	Consumer Items	ACL: ROOT BEER… / CREAM SODA/GRAPE SODA/GRAPEFRUIT/TOM COLLINS/COLA	ABM	-	-	-	-	1933-Present	Lindsey 2017	Fragment	Heel	1	37.6	SA, BH	4/18/2017
RIV-	203	SC-20	Surface	Automotive	License Plate	Metal	Ferrous	-	Transportation Items	EMB: illegible	-	-	-	-	-	-	-	Fragment	-	1	223.4	SA, BH	4/18/2017
RIV-	204	SC-20	Surface	Glassware	Vessel	Glass	Colorless	-	Household Items	Pressed Glass	-	-	-	-	-	-	-	Fragment	Body	1	54.3	SA, BH	4/18/2017
RIV-	205	SC-20	Surface	Bottle	Beverage	Glass	Colorless	Soda	Consumer Items	ACL	ABM	-	-	-	-	1933-present	Lindsey 2017	Fragment	Base	1	30.5	SA, BH	4/18/2017
RIV-	206	STP-1	0-10	Hardware	Latch	Metal	Ferrous	-	Hardware Items	-	-	-	-	-	-	-	-	Fragment	-	1	68.1	SA, BH	4/18/2017
RIV-	207	STP-1	0-10	Bottle Closure	Bottle Cap	Metal	Ferrous	-	Consumer Items	-	-	-	-	-	-	-	-	Fragment	-	2	4.4	SA, BH	4/18/2017
RIV-8120	208	STP-1	0-10	Tableware	Vessel	Ceramic	Stoneware	-	Kitchen Items	Clear Glaze, TP: polychrome overglaze	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Body	1	0.8	SA, BH	4/18/2017
RIV-	209	STP-1	0-10	Electrical	Light Bulb	Glass	Colorless	-	Household Items	-	-	-	-	-	-	-	-	Fragment	-	1	1.7	SA, BH	4/18/2017
RIV-	210	STP-1	0-10	Glassware	Vessel	Glass	Colorless	-	Household Items	Painted: green and yellow motif	-	-	-	-	-	-	-	Fragment	Body	1	1.3	SA, BH	4/18/2017
RIV-	211	STP-1	0-10	Jar	Canning	Glass	Colorless	-	Kitchen Items	Wide Mouth External Thread	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	14.2	SA, BH	4/18/2017
RIV-	212	STP-1	0-10	Container	Indeterminate	Glass	Colorless	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	-	8.8	SA, BH	4/18/2017
RIV-	213	STP-1	10-20	Bottle Closure	Bottle Cap	Metal	Ferrous	-	Consumer Items	-	-	-	-	-	-	-	-	Fragment	-	1	2.2	SA, BH	4/18/2017
RIV-	214	STP-1	10-20	Hardware	Indeterminate	Metal	Ferrous	-	Hardware Items	-	-	-	-	-	-	-	-	Fragment	-	1	6.6	SA, BH	4/18/2017
RIV-8120	215	STP-1	10-20	Tableware	Saucer	Ceramic	Porcelain	-	Kitchen Items	Clear Glaze, TP: blue village scene underglaze	-	MADE / IN / JAPAN	-	-	Japan	1921-1947	Mascarelli & Mascarelli	Fragment	Rim	1	8.3	SA, BH	4/18/2017
RIV-	216	STP-1	10-20	Tableware	Vessel	Ceramic	Stoneware	-	Kitchen Items	Clear Glaze	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Body	1	2.1	SA, BH	4/18/2017
RIV-	217	STP-1	10-20	Electrical	Light Bulb	Glass	Colorless	-	Household Items	-	-	-	-	-	-	-	-	Fragment	Filament	1	0.5	SA, BH	4/18/2017
RIV-	218	STP-1	10-20	Glassware	Vessel	Glass	Colorless	-	Kitchen Items	Pressed Glass	-	-	-	-	-	-	-	Fragment	Body	1	4.7	SA, BH	4/18/2017
RIV-	219	STP-1	10-20	Container	Indeterminate	Glass	Colorless	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	-	6.9	SA, BH	4/18/2017
RIV-	220	STP-1	10-20	Architecture	Window	Glass	Aqua Tint	-	Building Material	-	-	-	-	-	-	-	-	Fragment	-	-	4.2	SA, BH	4/18/2017
RIV-	221	STP-3	0-10	Architecture	Brick	Brick	Clay	-	Building Material	-	-	-	-	-	-	-	-	Fragment	-	-	65.6	SA, BH	4/18/2017
RIV-	222	STP-3	0-10	Bottle Closure	Bottle Cap	Metal	Ferrous	-	Consumer Items	-	-	-	-	-	-	-	-	Fragment	-	1	2.8	SA, BH	4/18/2017
RIV-	223	STP-3	0-10	Metal	Indeterminate	Metal	Ferrous	-	Unknown Items	-	-	-	-	-	-	-	-	Fragment	-	-	7.7	SA, BH	4/18/2017
RIV-	224	STP-3	0-10	Jar	Canning	Glass	Aqua	-	Kitchen Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	2	10.8	SA, BH	4/18/2017
RIV-	225	STP-3	0-10	Container	Indeterminate	Glass	Colorless	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	-	85.6	SA, BH	4/18/2017
RIV-	226	STP-3	0-10	Bottle	Indeterminate	Glass	Colorless	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Base	1	3.6	SA, BH	4/18/2017
RIV-	227	STP-3	0-10	Bottle	Indeterminate	Glass	Colorless	-	Consumer Items	Stippling on base	ABM	-	-	-	-	1940-Present	Lindsey 2017	Fragment	Base	1	2.5	SA, BH	4/18/2017
RIV-	228	STP-3	0-10	Bottle	Beverage	Glass	Colorless	-	Consumer Items	EMB:…RT	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	1	2.4	SA, BH	4/18/2017
RIV-	229	STP-3	0-10	Bottle	Beverage	Glass	Colorless	-	Consumer Items	EMB: Q	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	1	3.1	SA, BH	4/18/2017
RIV-	230	STP-3	0-10	Bottle	Beverage	Glass	Colorless	-	Consumer Items	EMB: QU…	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	1	1.1	SA, BH	4/18/2017
RIV-	231	STP-3	0-10	Bottle	Condiment	Glass	Colorless	-	Consumer Items	Ribbed	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	1	1.9	SA, BH	4/18/2017
RIV-	232	STP-3	0-10	Bottle	Beverage	Glass	Colorless	Soda	Consumer Items	ACL: FRANCHIS…, pressed glass	ABM	-	-	-	-	1933-Present	Lindsey 2017	Fragment	Body	1	7	SA, BH	4/18/2017
RIV-	233	STP-3	10-20	Jar Closure	Lid	Metal	Ferrous	-	Kitchen Items	-	-	-	-	-	-	-	-	Fragment	-	1	2.2	SA, BH	4/18/2017
RIV-	234	STP-3	10-20	Bottle	Indeterminate	Glass	Amber	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	1	2.2	SA, BH	4/18/2017
RIV-	235	STP-3	10-20	Container	Indeterminate	Glass	Colorless	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	-	16	SA, BH	4/18/2017
RIV-8120	236	STP-4	0-10	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Too Frag to Type	-	-	-	-	-	-	-	Fragment	Base, Body	1	94.9	SA, BH	4/18/2017
RIV-8120	237	STP-4	0-10	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Too Frag to Type	-	-	-	-	-	-	-	Fragment	Base, Body	1	32.7	SA, BH	4/18/2017
RIV-8120	238	STP-4	0-10	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Sanitary, Lap End Seam	-	-	-	-	-	1935-Present	Rock 1989	Fragment	Base, Body	1	36.2	SA, BH	4/18/2017
RIV-8120	239	STP-4	0-10	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Too Frag to Type	-	-	-	-	-	-	-	Fragment	Base, Body	1	188.9	SA, BH	4/18/2017
RIV-8120	240	STP-4	0-10	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Too Frag to Type	-	-	-	-	-	-	-	Fragment	Base, Body	1	118	SA, BH	4/18/2017
RIV-8120	241	STP-4	0-10	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Too Frag to Type	-	-	-	-	-	-	-	Fragment	Base, Body	1	52	SA, BH	4/18/2017
RIV-	242	STP-4	0-10	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Sanitary	-	-	-	-	-	1904-Present	Rock 1989	Fragment	Lid	1	15.4	SA, BH	4/18/2017
RIV-	243	STP-4	0-10	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Sanitary	-	-	-	-	-	1904-Present	Rock 1989	Fragment	Body	1	35.7	SA, BH	4/18/2017
RIV-	244	STP-4	0-10	Metal	Indeterminate	Metal	Ferrous	-	Unknown Items	-	-	-	-	-	-	-	-	Fragment	-	-	66	SA, BH	4/18/2017
RIV-	245	STP-4	0-10	Bottle	Cleaning	Glass	Amber	-	Household Items	Stippled body	ABM	-	-	-	-	1940-Present	Lindsey 2017	Fragment	Body	-	4.5	SA, BH	4/18/2017
RIV-	246	STP-4	0-10	Architecture	Window	Glass	Aqua Tint	-	Building Material	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	-	-	12.7	SA, BH	4/18/2017
RIV-	247	STP-4	0-10	Container	Indeterminate	Glass	Colorless	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	-	69.2	SA, BH	4/18/2017
RIV-	248	STP-4	0-10	Glassware	Vessel	Glass	Colorless	-	Kitchen Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Handle	1	100.8	SA, BH	4/18/2017
RIV-	249	STP-4	0-10	Bottle	Condiment	Glass	Colorless	-	Consumer Items	Ribbed	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	1	6.3	SA, BH	4/18/2017
RIV-	250	STP-4	0-10	Bottle	Beverage	Glass	Colorless	Soda	Consumer Items	Pressed Glass grapes	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	1	9.4	SA, BH	4/18/2017
RIV-	251	STP-4	0-10	Bottle	Indeterminate	Glass	Colorless	-	Consumer Items	Stippled body	ABM	-	-	-	-	1940-Present	Lindsey 2017	Fragment	Body	1	6.3	SA, BH	4/18/2017
RIV-	252	STP-4	0-10	Bottle	Indeterminate	Glass	Colorless	-	Consumer Items	Pressed Glass	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	1	2.9	SA, BH	4/18/2017
RIV-	253	STP-4	0-10	Bottle	Beverage	Glass	Colorless	-	Consumer Items	Small Mouth External Thread	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	20.8	SA, BH	4/18/2017
RIV-	254	STP-4	0-10	Bottle	Beverage	Glass	Colorless	-	Consumer Items	Stippling on base	ABM	20 <(I)> 3	Owens-Illinois Glass Co.	-	Oakland, CA	1943	Lindsey 2017	Fragment	Base	1	39.8	SA, BH	4/18/2017
RIV-	255	STP-4	0-10	Bottle	Beverage	Glass	Colorless	-	Consumer Items	Stippling on base	ABM	-	-	-	-	1940-Present	Lindsey 2017	Fragment	Base	1	4.4	SA, BH	4/18/2017
RIV-	256	STP-4	0-10	Bottle	Toiletry	Glass	Colorless	Hair Tonic	Personal Items	EMB (on base): FITCH's	ABM	-	-	F.W. Fitch Co.	Boone, IA	1904-1955	Fike 1987	Fragment	Base	1	23.2	SA, BH	4/18/2017
RIV-8120	257	STP-4	0-10	Bottle	Food	Glass	Colorless	Honey	Consumer Items	Valve mark, EMB (on base): B-Z-B/HONEY	ABM	-	-	B-Z-B Honey Co.	California	1910-1949	Lindsey 2017	Fragment	Base	1	38.9	SA, BH	4/18/2017

Site No.	Catalog No.	Unit	Depth (cm)	Object Type	Object Subtype	Material Type	Material Subtype	Product	Functional Categories	Diagnostic Elements	Manufacture Style	Maker's Mark	Manufacturer	Company	Place Of Origin	Date Range	Dating Source	Condition	Portion	Qty	Weight (g)	Exc By	Exc On
RIV-	258	STP-4	10-20	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Sanitary	-	-	-	-	-	1904-Present	Rock 1989	Fragment	Rim	1	14	SA, BH	4/18/2017
RIV-	259	STP-4	10-20	Tableware	Vessel	Ceramic	Stoneware	-	Kitchen Items	Green Glaze	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Body	1	4.3	SA, BH	4/18/2017
RIV-	260	STP-4	10-20	Container	Indeterminate	Glass	Colorless	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	-	25.3	SA, BH	4/18/2017
RIV-8120	261	STP-5	0-10	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Sanitary	-	-	-	-	-	1904-Present	Rock 1989	Fragment	Base, Body	1	34.5	SA, BH	4/18/2017
RIV-8120	262	STP-5	0-10	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Sanitary	-	-	-	-	-	1904-Present	Rock 1989	Fragment	Base, Body	1	47.3	SA, BH	4/18/2017
RIV-8120	263	STP-5	0-10	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Sanitary	-	-	-	-	-	1904-Present	Rock 1989	Fragment	Base, Body	1	34.6	SA, BH	4/18/2017
RIV-	264	STP-5	0-10	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	-	-	-	-	-	-	-	-	Fragment	Body	-	22.2	SA, BH	4/18/2017
RIV-	265	STP-5	0-10	Bottle Closure	Bottle Cap	Metal	Ferrous	-	Consumer Items	-	-	-	-	-	-	-	-	Complete	-	1	2.7	SA, BH	4/18/2017
RIV-	266	STP-5	0-10	Vessel	Indeterminate	Ceramic	Earthenware	-	Kitchen Items	No Glaze	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Rim	1	5	SA, BH	4/18/2017
RIV-	267	STP-5	0-10	Container	Indeterminate	Glass	Colorless	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	-	22.5	SA, BH	4/18/2017
RIV-	268	STP-5	0-10	Jar	Indeterminate	Glass	Colorless	-	Consumer Items	Wide Mouth External Thread	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	34.8	SA, BH	4/18/2017
RIV-	269	STP-5	0-10	Jar	Condiment	Glass	Colorless	-	Consumer Items	Wide Mouth External Thread	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	5.1	SA, BH	4/18/2017
RIV-	270	STP-5	0-10	Bottle	Indeterminate	Glass	Colorless	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Base	1	15.3	SA, BH	4/18/2017
RIV-	271	STP-5	0-10	Glassware	Vessel	Glass	Jadeite	-	Kitchen Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	1	0.9	SA, BH	4/18/2017
RIV-	272	STP-5	10-20	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	-	-	-	-	-	-	-	-	Fragment	Body	-	25.3	SA, BH	4/18/2017
RIV-8120	273	STP-5	10-20	Tableware	Vessel	Ceramic	Stoneware	-	Kitchen Items	Clear Glaze, TP: polychrome floral motif	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Rim	1	5	SA, BH	4/18/2017
RIV-	274	STP-5	10-20	Architecture	Window	Glass	Aqua Tint	-	Building Material	-	-	-	-	-	-	-	-	Fragment	-	-	4.9	SA, BH	4/18/2017
RIV-	275	STP-5	10-20	Container	Indeterminate	Glass	Colorless	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	-	2.7	SA, BH	4/18/2017
RIV-	276	STP-6	0-10	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	-	-	-	-	-	-	-	-	Fragment	Body	-	5.9	SA, BH	4/18/2017
RIV-	277	STP-6	0-10	Tableware	Vessel	Ceramic	Stoneware	-	Kitchen Items	Clear Glaze	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Body	1	2.7	SA, BH	4/18/2017
RIV-	278	STP-6	0-10	Bottle	Beverage	Glass	Green	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	1	2.7	SA, BH	4/18/2017
RIV-	279	STP-6	0-10	Bottle	Beverage	Glass	Amber	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	1	2.5	SA, BH	4/18/2017
RIV-	280	STP-6	0-10	Container	Indeterminate	Glass	Colorless	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	-	17.8	SA, BH	4/18/2017
RIV-	281	STP-6	0-10	Architecture	Window	Glass	Aqua Tint	-	Building Material	-	-	-	-	-	-	-	-	Fragment	-	-	10.3	SA, BH	4/18/2017
RIV-	282	STP-6	10-20	Bottle	Medicine	Glass	Cobalt	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	-	24	SA, BH	4/18/2017
RIV-	283	STP-6	10-20	Container	Indeterminate	Glass	Colorless	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	-	2.5	SA, BH	4/18/2017
RIV-	284	STP-7	0-10	Toy	Gun	Metal	Ferrous	-	Toys and Games	EMB: HERO	-	-	-	Hero	-	-	-	Complete	-	1	191.7	SA, BH	4/18/2017
RIV-	285	STP-7	0-10	Vessel	Indeterminate	Ceramic	Earthenware	-	Household Items	No Glaze	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Rim	1	28.6	SA, BH	4/18/2017
RIV-	286	STP-7	0-10	Architecture	Window	Glass	Aqua Tint	-	Building Material	-	-	-	-	-	-	-	-	Fragment	-	-	6	SA, BH	4/18/2017
RIV-	287	STP-7	0-10	Bottle	Indeterminate	Glass	Colorless	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Base	1	7.4	SA, BH	4/18/2017
RIV-	288	STP-7	0-10	Bottle	Indeterminate	Glass	Colorless	-	Consumer Items	Small Mouth External Thread	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	2.3	SA, BH	4/18/2017
RIV-	289	STP-7	0-10	Bottle	Indeterminate	Glass	Colorless	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	-	6.6	SA, BH	4/18/2017
RIV-	290	STP-7	0-10	Bottle	Medicine	Glass	Cobalt	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	1	5.8	SA, BH	4/18/2017
RIV-	291	STP-7	0-10	Bottle	Indeterminate	Glass	Amber	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	-	30	SA, BH	4/18/2017
RIV-	292	STP-7	10-20	Bottle	Beverage	Glass	Olive	Alcohol	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	1	3.4	SA, BH	4/18/2017
RIV-	293	STP-7	10-20	Container	Indeterminate	Glass	Colorless	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	-	16	SA, BH	4/18/2017
RIV-	294	STP-7	10-20	Glassware	Tumbler	Glass	Colorless	-	Kitchen Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Rim	1	3	SA, BH	4/18/2017
RIV-	295	STP-7	10-20	Metal	Indeterminate	Metal	Ferrous	-	Unknown Items	-	-	-	-	-	-	-	-	Fragment	-	-	6.1	SA, BH	4/18/2017
RIV-	296	STP-8	0-10	Metal	Indeterminate	Metal	Ferrous	-	Unknown Items	-	-	-	-	-	-	-	-	Fragment	-	-	1.9	SA, BH	4/18/2017
RIV-	297	STP-8	0-10	Glassware	Vessel	Glass	Colorless	-	Kitchen Items	Pressed Glass	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	1	8.8	SA, BH	4/18/2017
RIV-	298	STP-8	0-10	Bottle	Indeterminate	Glass	Colorless	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	-	9	SA, BH	4/18/2017
RIV-	299	STP-8	10-20	Bottle	Indeterminate	Glass	Colorless	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	-	3.7	SA, BH	4/18/2017
RIV-	300	STP-8	10-20	Bottle	Indeterminate	Glass	Amber	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	-	2.1	SA, BH	4/18/2017
RIV-	301	STP-8	10-20	Architecture	Window	Glass	Aqua Tint	-	Building Material	-	-	-	-	-	-	-	-	Fragment	-	-	2.1	SA, BH	4/18/2017
RIV-	302	STP-8	10-20	Metal	Indeterminate	Metal	Ferrous	-	Unknown Items	-	-	-	-	-	-	-	-	Fragment	-	-	5.4	SA, BH	4/18/2017
RIV-	303	STP-9	0-10	Metal	Indeterminate	Metal	Ferrous	-	Unknown Items	-	-	-	-	-	-	-	-	Fragment	-	-	4.4	SA, BH	4/18/2017
RIV-	304	STP-9	0-10	Tableware	Vessel	Ceramic	Stoneware	-	Kitchen Items	Clear Glaze	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Body	1	0.8	SA, BH	4/18/2017
RIV-	305	STP-9	0-10	Architecture	Window	Glass	Aqua Tint	-	Building Material	-	-	-	-	-	-	-	-	Fragment	-	-	13.8	SA, BH	4/18/2017
RIV-	306	STP-9	0-10	Bottle	Indeterminate	Glass	Aqua Tint	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	-	9.2	SA, BH	4/18/2017
RIV-	307	STP-9	0-10	Bottle	Beverage	Glass	Aqua Tint	-	Consumer Items	EMB: QUART	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	1	7.5	SA, BH	4/18/2017
RIV-	308	STP-9	0-10	Bottle	Indeterminate	Glass	Amber	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	-	27.1	SA, BH	4/18/2017
RIV-	309	STP-9	0-10	Bottle	Beverage	Glass	Amber	Alcohol	Consumer Items	EMB: LAW FORBIDS	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	1	5.4	SA, BH	4/18/2017
RIV-	310	STP-9	0-10	Bottle	Indeterminate	Glass	Amber	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Base	1	7.6	SA, BH	4/18/2017
RIV-	311	STP-9	0-10	Bottle	Indeterminate	Glass	Colorless	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	-	13	SA, BH	4/18/2017
RIV-	312	STP-9	0-10	Glassware	Vessel	Glass	Colorless	-	Consumer Items	Pressed Glass	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Lid	1	17.8	SA, BH	4/18/2017
RIV-	313	STP-9	0-10	Jar Closure	Lid Liner	Glass	Milk	-	Kitchen Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	-	1	7.3	SA, BH	4/18/2017
RIV-	314	STP-9	10-20	Metal	Indeterminate	Metal	Ferrous	-	Unknown Items	-	-	-	-	-	-	-	-	Fragment	-	-	0.8	SA, BH	4/18/2017
RIV-	315	STP-9	10-20	Architecture	Window	Glass	Aqua Tint	-	Building Material	-	-	-	-	-	-	-	-	Fragment	-	-	5	SA, BH	4/18/2017
RIV-	316	STP-9	10-20	Bottle	Indeterminate	Glass	Amber	-	Consumer Items	EMB (on base): D - 128..	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Base	1	13.4	SA, BH	4/18/2017
RIV-	317	STP-10	0-10	Metal	Indeterminate	Metal	Ferrous	-	Unknown Items	-	-	-	-	-	-	-	-	Fragment	-	-	36	SA, BH	4/18/2017
RIV-	318	STP-10	0-10	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Sanitary	-	-	-	-	-	1904-Present	Rock 1989	Fragment	Lid	1	3.5	SA, BH	4/18/2017
RIV-	319	STP-10	0-10	Tableware	Vessel	Ceramic	Stoneware	-	Kitchen Items	Clear Glaze	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Body	1	1.4	SA, BH	4/18/2017
RIV-	320	STP-10	0-10	Architecture	Window	Glass	Aqua Tint	-	Building Material	-	-	-	-	-	-	-	-	Fragment	-	-	0.8	SA, BH	4/18/2017
RIV-	321	STP-10	0-10	Bottle	Indeterminate	Glass	Amber	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	1	2.9	SA, BH	4/18/2017
RIV-8120	322	STP-10	0-10	Bottle	Indeterminate	Glass	Amber	-	Consumer Items	Stippling on base, EMB (on base): 56	ABM	-	-	-	-	1940-Present	Lindsey 2017	Fragment	Base	1	5.7	SA, BH	4/18/2017
RIV-	323	STP-10	0-10	Bottle	Indeterminate	Glass	Colorless	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	-	25.8	SA, BH	4/18/2017
RIV-	324	STP-10	10-20	Metal	Indeterminate	Metal	Ferrous	-	Unknown Items	-	-	-	-	-	-	-	-	Fragment	-	-	4	SA, BH	4/18/2017
RIV-	325	STP-10	10-20	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Too Frag to Type	-	-	-	-	-	-	-	Fragment	Lid	1	18.2	SA, BH	4/18/2017
RIV-	326	STP-10	10-20	Architecture	Window	Glass	Aqua Tint	-	Building Material	-	-	-	-	-	-	-	-	Fragment	-	-	4.5	SA, BH	4/18/2017
RIV-	327	STP-10	10-20	Container	Indeterminate	Glass	Colorless	-	Consumer Items	-	-	-	-	-	-	-	-	Fragment	Body	1	0.5	SA, BH	4/18/2017
RIV-	328	STP-11	0-10	Metal	Indeterminate	Metal	Ferrous	-	Unknown Items	-	-	-	-	-	-	-	-	Fragment	-	-	5.5	SA, BH	4/18/2017
RIV-	329	STP-11	0-10	Architecture	Window	Glass	Aqua Tint	-	Building Material	-	-	-	-	-	-	-	-	Fragment	-	-	1.8	SA, BH	4/18/2017
RIV-	330	STP-11	0-10	Bottle	Indeterminate	Glass	Amber	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	-	1.5	SA, BH	4/18/2017
RIV-	331	STP-11	0-10	Bottle	Indeterminate	Glass	Colorless	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	-	15.2	SA, BH	4/18/2017
RIV-	332	STP-11	0-10	Bottle	Indeterminate	Glass	Colorless	-	Consumer Items	Small Mouth External Thread	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	4.5	SA, BH	4/18/2017
RIV-	333	STP-12	0-10	Metal	Indeterminate	Metal	Ferrous	-	Unknown Items	-	-	-	-	-	-	-	-	Fragment	-	-	15.6	SA, BH	4/18/2017
RIV-	334	STP-12	0-10	Architecture	Brick	Brick	Clay	-	Building Material	-	-	-	-	-	-	-	-	Fragment	-	-	114.4	SA, BH	4/18/2017
RIV-	335	STP-12	0-10	Tableware	Vessel	Ceramic	Stoneware	-	Kitchen Items	Clear Glaze	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Body	1	1.9	SA, BH	4/18/2017
RIV-	336	STP-12	0-10	Bottle	Cleaning	Glass	Amber	-	Household Items	Double Ring Finish	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	4.9	SA, BH	4/18/2017
RIV-	337	STP-12	0-10	Bottle	Indeterminate	Glass	Amber	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	-	4.1	SA, BH	4/18/2017
RIV-	338	STP-12	10-20	Bottle	Indeterminate	Glass	Amber	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	-	12.9	SA, BH	4/18/2017

Site No.	Catalog No.	Unit	Depth (cm)	Object Type	Object Subtype	Material Type	Material Subtype	Product	Functional Categories	Diagnostic Elements	Manufacture Style	Maker's Mark	Manufacturer	Company	Place Of Origin	Date Range	Dating Source	Condition	Portion	Qty	Weight (g)	Exc By	Exc On
RIV-	339	STP-12	10-20	Bottle	Indeterminate	Glass	Colorless	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	-	4.6	SA, BH	4/18/2017
RIV-	340	STP-12	10-20	Bottle	Indeterminate	Glass	Colorless	-	Consumer Items	EMB (on base): …PAT'd	ABM	<(I)> 50	Owens-Illinois Glass Co.	-	Toledo, OH	1950	Lindsey 2017	Fragment	Base	1	4.5	SA, BH	4/18/2017
RIV-	341	STP-12	10-20	Jar	Indeterminate	Glass	Colorless	-	Consumer Items	Patent Finish	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	3.7	SA, BH	4/18/2017
RIV-	342	STP-12	10-20	Bottle	Beverage	Glass	Green	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	-	2.2	SA, BH	4/18/2017
RIV-	343	STP-12	10-20	Tableware	Vessel	Ceramic	Stoneware	-	Kitchen Items	Clear Glaze	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Body	1	0.9	SA, BH	4/18/2017
RIV-	344	STP-12	10-20	Architecture	Brick	Brick	Clay	-	Building Material	-	-	-	-	-	-	-	-	Fragment	-	-	5.5	SA, BH	4/18/2017
RIV-	345	STP-12	10-20	Metal	Indeterminate	Metal	Ferrous	-	Unknown Items	-	-	-	-	-	-	-	-	Fragment	-	-	4.8	SA, BH	4/18/2017
RIV-	346	STP-12	20-30	Metal	Indeterminate	Metal	Ferrous	-	Unknown Items	-	-	-	-	-	-	-	-	Fragment	-	-	0.9	SA, BH	4/18/2017
RIV-	347	STP-12	20-30	Bottle	Beverage	Glass	Amber	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	1	2.3	SA, BH	4/18/2017
RIV-	348	STP-12	20-30	Bottle	Indeterminate	Glass	Colorless	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Base	1	3.1	SA, BH	4/18/2017
RIV-8120	349	STP-13	0-10	Can	Food	Metal	Ferrous	-	Consumer Items	Sanitary, Lap End Seam, Church Key	-	-	-	-	-	1935-Present	Rock 1989	Complete	-	1	82.2	SA, BH	4/18/2017
RIV-	350	STP-13	0-10	Can	Food	Metal	Ferrous	-	Consumer Items	Sanitary, Church Key	-	-	-	-	-	1935-Present	Rock 1989	Fragment	Lid	1	18.2	SA, BH	4/18/2017
RIV-	351	STP-13	0-10	Can	Food	Metal	Ferrous	-	Consumer Items	Sanitary, Church Key	-	-	-	-	-	1935-Present	Rock 1989	Fragment	Lid	1	17.6	SA, BH	4/18/2017
RIV-	352	STP-13	0-10	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Sanitary, Lap End Seam	-	-	-	-	-	1935-Present	Rock 1989	Fragment	Body	1	29.9	SA, BH	4/18/2017
RIV-	353	STP-13	0-10	Metal	Indeterminate	Metal	Ferrous	-	Unknown Items	-	-	-	-	-	-	-	-	Fragment	-	-	12.7	SA, BH	4/18/2017
RIV-8120	354	STP-13	0-10	Tableware	Vessel	Ceramic	Porcelain	-	Kitchen Items	Clear Glaze, TP: orange and brown stripes	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Base	1	0.7	SA, BH	4/18/2017
RIV-	355	STP-13	0-10	Tableware	Vessel	Ceramic	Earthenware	-	Kitchen Items	Interior Clear Glaze	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Body	1	5.3	SA, BH	4/18/2017
RIV-	356	STP-13	0-10	Bottle	Beverage	Glass	Amber	-	Consumer Items	Crown Finish	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	11.2	SA, BH	4/18/2017
RIV-	357	STP-13	0-10	Bottle	Beverage	Glass	Green	Soda	Consumer Items	EMB: …OZS	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	1	12.8	SA, BH	4/18/2017
RIV-	358	STP-13	0-10	Container	Indeterminate	Glass	Colorless	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	-	9.4	SA, BH	4/18/2017
RIV-	359	STP-13	0-10	Glassware	Tumbler	Glass	Colorless	-	Kitchen Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Rim	1	3.5	SA, BH	4/18/2017
RIV-	360	STP-13	0-10	Bottle	Beverage	Glass	Colorless	-	Kitchen Items	Crown Finish	ABM	L (script)	Libbey Glass Co.	-	Toledo, OH	1904-Present	Lindsey 2017	Fragment	Finish	1	3.7	SA, BH	4/18/2017
RIV-	361	STP-13	0-10	Bottle	Indeterminate	Glass	Colorless	-	Kitchen Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Base	1	38.7	SA, BH	4/18/2017
RIV-	362	STP-13	0-10	Bottle	Indeterminate	Glass	Colorless	-	Kitchen Items	Stippling on base	ABM	-	-	-	-	1940-Present	Lindsey 2017	Fragment	Base	1	4.9	SA, BH	4/18/2017
RIV-	363	STP-13	0-10	Bottle	Indeterminate	Glass	Colorless	-	Kitchen Items	Stippling on base	ABM	<(I)>	Owens-Illinois Glass Co.	-	Toledo, OH	1940-1954	Lindsey 2017	Fragment	Base	1	9.5	SA, BH	4/18/2017
RIV-	364	STP-13	0-10	Bottle	Condiment	Glass	Colorless	-	Kitchen Items	Stippling on base	ABM	(LM)	Latchford-Marble Glass Co.	-	Los Angeles, CA	1940-1957	Lindsey 2017	Fragment	Base	1	39.7	SA, BH	4/18/2017
RIV-	365	STP-13	10-20	Container	Indeterminate	Metal	Ferrous	-	Unknown Items	-	-	-	-	-	-	-	-	Fragment	-	1	43.7	SA, BH	4/18/2017
RIV-	366	STP-13	10-20	Can	Food	Metal	Ferrous	-	Consumer Items	Sanitary, Church Key	-	-	-	-	-	1935-Present	Rock 1989	Fragment	Lid	1	16.5	SA, BH	4/18/2017
RIV-	367	STP-13	10-20	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Sanitary	-	-	-	-	-	1904-Present	Rock 1989	Fragment	Lid	4	78.5	SA, BH	4/18/2017
RIV-	368	STP-13	10-20	Metal	Indeterminate	Metal	Ferrous	-	Unknown Items	-	-	-	-	-	-	-	-	Fragment	-	-	10.8	SA, BH	4/18/2017
RIV-	369	STP-13	10-20	Hardware	Handle	Metal	Ferrous	-	Hardware Items	-	-	-	-	-	-	-	-	Complete	-	1	5.7	SA, BH	4/18/2017
RIV-	370	STP-13	10-20	Comb	Hair	Plastic	Undifferentiated	-	Personal Items	-	-	-	-	-	-	-	-	Fragment	-	1	0.9	SA, BH	4/18/2017
RIV-	371	STP-13	10-20	Toy	Marble	Glass	Milk	-	Toys and Games	Green and Red swirl	-	-	-	-	-	-	-	Complete	-	1	4.5	SA, BH	4/18/2017
RIV-	372	STP-13	10-20	Tableware	Vessel	Ceramic	Earthenware	-	Kitchen Items	Interior Clear Glaze	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Body	1	3.7	SA, BH	4/18/2017
RIV-	373	STP-13	10-20	Architecture	Window	Glass	Aqua Tint	-	Building Material	-	-	-	-	-	-	-	-	Fragment	-	-	9.5	SA, BH	4/18/2017
RIV-	374	STP-13	10-20	Bottle	Beverage	Glass	Green	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	-	5.3	SA, BH	4/18/2017
RIV-	375	STP-13	10-20	Bottle	Beverage	Glass	Amber	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	-	4.2	SA, BH	4/18/2017
RIV-	376	STP-13	10-20	Bottle	Beverage	Glass	Amber	-	Consumer Items	EMB: T*NORE…	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	1	4.5	SA, BH	4/18/2017
RIV-	377	STP-13	10-20	Container	Indeterminate	Glass	Colorless	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	-	23.3	SA, BH	4/18/2017
RIV-	378	STP-13	20-30	Metal	Indeterminate	Metal	Ferrous	-	Unknown Items	-	-	-	-	-	-	-	-	Fragment	-	-	4.3	SA, BH	4/18/2017
RIV-	379	STP-13	20-30	Architecture	Window	Glass	Aqua Tint	-	Building Material	-	-	-	-	-	-	-	-	Fragment	-	-	4.8	SA, BH	4/18/2017
RIV-	380	STP-13	20-30	Container	Indeterminate	Glass	Colorless	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	-	5.2	SA, BH	4/18/2017
RIV-8120	381	STP-14	0-10	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Sanitary, Lap End Seam	-	-	-	-	-	1935-Present	Rock 1989	Fragment	Base, Body	1	76	SA, BH	4/20/2017
RIV-	382	STP-14	0-10	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Sanitary	-	-	-	-	-	1904-Present	Rock 1989	Fragment	Lid	1	18	SA, BH	4/20/2017
RIV-	383	STP-14	0-10	Bottle Closure	Bottle Cap	Metal	Ferrous	-	Consumer Items	-	-	-	-	-	-	-	-	Complete	-	1	2.6	SA, BH	4/20/2017
RIV-	384	STP-14	0-10	Metal	Indeterminate	Metal	Ferrous	-	Unknown Items	-	-	-	-	-	-	-	-	Fragment	-	-	7.5	SA, BH	4/20/2017
RIV-	385	STP-14	0-10	Bottle	Beverage	Glass	Green	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	-	18.6	SA, BH	4/20/2017
RIV-	386	STP-14	0-10	Bottle	Beverage	Glass	Colorless	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	-	5.3	SA, BH	4/20/2017
RIV-	387	STP-14	0-10	Glassware	Vessel	Glass	Colorless	-	Kitchen Items	Pressed Glass	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	1	1.3	SA, BH	4/20/2017
RIV-	388	STP-14	10-20	Metal	Indeterminate	Metal	Ferrous	-	Unknown Items	-	-	-	-	-	-	-	-	Fragment	-	-	1.5	SA, BH	4/20/2017
RIV-	389	STP-14	10-20	Bottle	Beverage	Glass	Green	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	1	5.7	SA, BH	4/20/2017
RIV-8120	390	STP-15	0-10	Can	Food	Metal	Ferrous	-	Consumer Items	Sanitary, Oval Shaped, small mouth external thread	-	-	-	-	-	1904-Present	Rock 1989	Fragment	Body, Finish	1	64.7	SA, BH	4/20/2017
RIV-	391	STP-15	0-10	Can	Food	Metal	Ferrous	-	Consumer Items	Sanitary, Church Key	-	-	-	-	-	1935-Present	Rock 1989	Fragment	Lid	1	23.1	SA, BH	4/20/2017
RIV-8120	392	STP-15	0-10	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Sanitary	-	-	-	-	-	1904-Present	Rock 1989	Fragment	Base, Body	1	58.2	SA, BH	4/20/2017
RIV-8120	393	STP-15	0-10	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Sanitary	-	-	-	-	-	1904-Present	Rock 1989	Fragment	Base, Body	1	53.8	SA, BH	4/20/2017
RIV-	394	STP-15	0-10	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Sanitary	-	-	-	-	-	1904-Present	Rock 1989	Fragment	Body	1	46	SA, BH	4/20/2017
RIV-	395	STP-15	0-10	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Sanitary	-	-	-	-	-	1904-Present	Rock 1989	Fragment	Lid	1	22.6	SA, BH	4/20/2017
RIV-	396	STP-15	0-10	Button	Indeterminate	Metal	Ferrous	-	Garment Items	EMB: anchor	-	-	-	-	-	-	-	Complete	-	1	8.5	SA, BH	4/20/2017
RIV-	397	STP-15	0-10	Shoe	Indeterminate	Rubber	Undifferentiated	-	Garment Items	-	-	-	-	-	-	-	-	Fragment	Sole	1	15.1	SA, BH	4/20/2017
RIV-	398	STP-15	0-10	Electrical	Light Bulb	Glass	Colorless	-	Household Items	-	-	-	-	-	-	-	-	Fragment	Base	1	5.3	SA, BH	4/20/2017
RIV-	399	STP-15	0-10	Bottle	Beverage	Glass	Green	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	-	6.7	SA, BH	4/20/2017
RIV-	400	STP-15	0-10	Bottle	Beverage	Glass	Amber	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	1	4.8	SA, BH	4/20/2017
RIV-	401	STP-15	0-10	Bottle	Beverage	Glass	Colorless	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	-	17	SA, BH	4/20/2017
RIV-	402	STP-15	0-10	Jar	Canning	Glass	Colorless	-	Kitchen Items	Wide Mouth External Thread	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	20.3	SA, BH	4/20/2017
RIV-	403	STP-15	0-10	Bottle	Indeterminate	Glass	Colorless	-	Consumer Items	-	ABM	(LM)	Latchford-Marble Glass Co.	-	Los Angeles, CA	1939-1957	Lindsey 2017	Fragment	Base	1	11.8	SA, BH	4/20/2017
RIV-	404	STP-15	10-20	Metal	Indeterminate	Metal	Ferrous	-	Unknown Items	-	-	-	-	-	-	-	-	Fragment	-	-	5.2	SA, BH	4/20/2017
RIV-	405	STP-15	10-20	Bottle	Beverage	Glass	Green	-	Consumer Items	Stippling on base	ABM	-	-	-	-	1940-Present	Lindsey 2017	Fragment	Base	1	6.8	SA, BH	4/20/2017
RIV-	406	STP-15	10-20	Bottle	Beverage	Glass	Amber	-	Consumer Items	Stippled body	ABM	-	-	-	-	1940-Present	Lindsey 2017	Fragment	Body	1	2.6	SA, BH	4/20/2017
RIV-	407	STP-15	10-20	Container	Indeterminate	Glass	Colorless	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	-	2.7	SA, BH	4/20/2017
RIV-	408	STP-15	10-20	Bottle	Condiment	Glass	Colorless	-	Consumer Items	Paneled	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Body	1	19.8	SA, BH	4/20/2017
RIV-	409	STP-16	0-10	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Sanitary, Lap End Seam	-	-	-	-	-	1935-Present	Rock 1989	Complete	-	1	87.9	SA, BH	4/20/2017
RIV-8120	410	STP-16	0-10	Can	Food	Metal	Ferrous	-	Consumer Items	Sanitary, Church Key	-	-	-	-	-	1935-Present	Rock 1989	Fragment	Base, Body	1	35.1	SA, BH	4/20/2017
RIV-	411	STP-16	0-10	Electrical	Knob Insulator	Ceramic	Earthenware	-	Building Material	No Glaze	-	-	-	-	U.S.A. / Europe	-	-	Fragment	-	1	14.9	SA, BH	4/20/2017
RIV-	412	STP-16	0-10	Tableware	Vessel	Ceramic	Stoneware	-	Kitchen Items	Clear Glaze	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Body	1	1.6	SA, BH	4/20/2017
RIV-	413	STP-16	0-10	Architecture	Window	Glass	Aqua Tint	-	Building Material	-	-	-	-	-	-	-	-	Fragment	-	-	68.2	SA, BH	4/20/2017
RIV-	414	STP-16	0-10	Bottle	Cleaning	Glass	Amber	-	Household Items	Stippled body	ABM	-	-	-	-	1940-Present	Lindsey 2017	Fragment	Body	-	13.7	SA, BH	4/20/2017
RIV-	415	STP-16	0-10	Container	Indeterminate	Glass	Colorless	-	Consumer Items	-	ABM	-	-	-	-	-	-	Fragment	Body	-	13.4	SA, BH	4/20/2017
RIV-	416	STP-16	0-10	Bottle	Indeterminate	Glass	Colorless	-	Consumer Items	Stippling on body	ABM	-	-	-	-	1940-Present	Lindsey 2017	Fragment	Body	1	1.9	SA, BH	4/20/2017
RIV-	417	STP-16	0-10	Bottle	Beverage	Glass	Colorless	-	Consumer Items	ACL: red motif	ABM	-	-	-	-	1933-Present	Lindsey 2017	Fragment	Body	1	5.5	SA, BH	4/20/2017

Site No.	Catalog No.	Unit	Depth (cm)	Object Type	Object Subtype	Material Type	Material Subtype	Product	Functional Categories	Diagnostic Elements	Manufacture Style	Maker's Mark	Manufacturer	Company	Place Of Origin	Date Range	Dating Source	Condition	Portion	Qty	Weight (g)	Exc By	Exc On
RIV-	418	STP-16	0-10	Bottle	Condiment	Glass	Colorless	-	Consumer Items	-	ABM	<>	Diamond Glass Co.	-	Roversford, PA	1924-1940	Lindsey 2017	Fragment	Base	1	25.4	SA, BH	4/20/2017
RIV-	419	STP-16	0-10	Bottle	Medicine	Glass	Colorless	-	Consumer Items	Small Mouth External Thread	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	7.7	SA, BH	4/20/2017
RIV-8120	420	STP-16	0-10	Bottle	Beverage	Glass	Aqua Tint	Soda	Consumer Items	Hobble Skirt, EMB: COLA/REGISTERED/…1055…	ABM	-	-	Coca Cola Bottling Co.	-	1917-1958	Lockhart & Porter 2010	Fragment	Body	1	18.8	SA, BH	4/20/2017
RIV-	421	STP-16	10-20	Metal	Indeterminate	Metal	Ferrous	-	Unknown Items	-	-	-	-	-	-	-	-	Fragment	Body	-	3.1	SA, BH	4/20/2017
RIV-	422	STP-16	10-20	Architecture	Window	Glass	Aqua Tint	-	Building Material	-	-	-	-	-	-	-	-	Fragment	-	-	7.5	SA, BH	4/20/2017
RIV-	423	STP-16	20-30	Architecture	Window	Glass	Aqua Tint	-	Building Material	-	-	-	-	-	-	-	-	Fragment	-	-	0.9	SA, BH	4/20/2017
RIV-8120	424	STP-16	20-30	Tableware	Vessel	Ceramic	Stoneware	-	Kitchen Items	Clear Glaze, TP: polychrome floral motif	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Body	1	1.7	SA, BH	4/20/2017
RIV-	425	STP-16	20-30	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Sanitary, Lap End Seam	-	-	-	-	-	1935-Present	Rock 1989	Fragment	Rim	1	9.8	SA, BH	4/20/2017
RIV-	426	TU-1	0-10	Flooring	Tile	Ceramic	Earthenware	-	Building Material	-	-	-	-	-	U.S.A. / Europe	-	-	Fragment	-	1	410.9	SA, BH	4/20/2017
RIV-	427	TU-1	0-10	Pipe	Sewer	Ceramic	Earthenware	-	Building Material	Brown Glaze	-	-	-	-	U.S.A. / Europe	-	-	Fragment	-	1	351.3	SA, BH	4/20/2017
RIV-	428	TU-1	0-10	Planter	Pot	Ceramic	Earthenware	-	Household Items	Clear Glaze	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Body	1	69.5	SA, BH	4/20/2017
RIV-	429	TU-1	0-10	Planter	Pot	Ceramic	Earthenware	-	Household Items	No Glaze	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Body	1	8.9	SA, BH	4/20/2017
RIV-	430	TU-1	0-10	Planter	Pot	Ceramic	Earthenware	-	Household Items	No Glaze	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Body	1	5.6	SA, BH	4/20/2017
RIV-8120	431	TU-1	0-10	Tableware	Bowl	Ceramic	Porcelain	-	Kitchen Items	Clear Glaze, HP: polychrome geometric motif	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Body	1	15.6	SA, BH	4/20/2017
RIV-8120	432	TU-1	0-10	Tableware	Bowl	Ceramic	Porcelain	-	Kitchen Items	Clear Glaze, HP: polychrome geometric motif	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Base	1	25.1	SA, BH	4/20/2017
RIV-	433	TU-1	0-10	Tableware	Bowl	Ceramic	Stoneware	-	Kitchen Items	Blue Glaze	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Rim	1	26.5	SA, BH	4/20/2017
RIV-8120	434	TU-1	0-10	Tableware	Bowl	Ceramic	Stoneware	-	Kitchen Items	Mint Green Glaze, molded	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Body, Rim	1	72.1	SA, BH	4/20/2017
RIV-	435	TU-1	0-10	Tableware	Bowl	Ceramic	Stoneware	-	Kitchen Items	Clear Glaze	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Base	1	26.1	SA, BH	4/20/2017
RIV-8120	436	TU-1	0-10	Hotelware	Bowl	Ceramic	Stoneware	-	Kitchen Items	Clear Glaze	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Base, Body	1	117.4	SA, BH	4/20/2017
RIV-	437	TU-1	0-10	Metal	Indeterminate	Metal	Ferrous	-	Unknown Items	-	-	-	-	-	-	-	-	Fragment	-	-	7113.5	SA, BH	4/20/2017
RIV-	438	TU-1	0-10	Hardware	Hinge	Metal	Ferrous	-	Hardware Items	-	-	-	-	-	-	-	-	Complete	-	2	10.3	SA, BH	4/20/2017
RIV-	439	TU-1	0-10	Hardware	Hook	Metal	Ferrous	-	Hardware Items	-	-	-	-	-	-	-	-	Complete	-	1	2	SA, BH	4/20/2017
RIV-	440	TU-1	0-10	Hardware	Handle	Metal	Ferrous	-	Hardware Items	-	-	-	-	-	-	-	-	Complete	-	1	11.3	SA, BH	4/20/2017
RIV-	441	TU-1	0-10	Nail	Wire	Metal	Ferrous	-	Building Material	-	-	-	-	-	-	-	-	Complete	-	1	5.6	SA, BH	4/20/2017
RIV-	442	TU-1	0-10	Nail	Wire	Metal	Ferrous	-	Building Material	Long Nail	-	-	-	-	-	-	-	Complete	-	1	24.8	SA, BH	4/20/2017
RIV-	443	TU-1	0-10	Hardware	Indeterminate	Metal	Ferrous	-	Hardware Items	-	-	-	-	-	-	-	-	Fragment	-	1	2.6	SA, BH	4/20/2017
RIV-	444	TU-1	0-10	Bottle Closure	Bottle Cap	Metal	Ferrous	-	Consumer Items	-	-	-	-	-	-	-	-	Fragment	-	3	8.9	SA, BH	4/20/2017
RIV-	445	TU-1	0-10	Tube	Indeterminate	Metal	Ferrous	-	Unknown Items	Plastic Threaded Cap Attached	-	-	-	-	-	-	-	Complete	-	1	11.1	SA, BH	4/20/2017
RIV-	446	TU-1	0-10	Hardware	Spring	Metal	Ferrous	-	Hardware Items	-	-	-	-	-	-	-	-	Fragment	-	1	19.1	SA, BH	4/20/2017
RIV-	447	TU-1	0-10	Lid	Indeterminate	Metal	Ferrous	-	Unknown Items	-	-	-	-	-	-	-	-	Fragment	-	1	4.6	SA, BH	4/20/2017
RIV-	448	TU-1	0-10	Electrical	Light Bulb	Metal	Ferrous	-	Household Items	-	-	-	-	-	-	-	-	Fragment	-	1	7	SA, BH	4/20/2017
RIV-	449	TU-1	0-10	Hardware	Indeterminate	Metal	Ferrous	-	Hardware Items	-	-	-	-	-	-	-	-	Fragment	-	1	4.9	SA, BH	4/20/2017
RIV-	450	TU-1	0-10	Jar	Indeterminate	Metal	Ferrous	-	Consumer Items	-	-	-	-	-	-	-	-	Fragment	Lid	1	12.3	SA, BH	4/20/2017
RIV-	451	TU-1	0-10	Jar	Indeterminate	Metal	Ferrous	-	Consumer Items	-	-	-	-	-	-	-	-	Fragment	Lid	1	10.6	SA, BH	4/20/2017
RIV-	452	TU-1	0-10	Jar	Indeterminate	Metal	Ferrous	-	Consumer Items	-	-	-	-	-	-	-	-	Fragment	Lid	1	9.9	SA, BH	4/20/2017
RIV-	453	TU-1	0-10	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Sanitary	-	-	-	-	-	1904-Present	Rock 1989	Fragment	Lid	1	40.3	SA, BH	4/20/2017
RIV-	454	TU-1	0-10	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Sanitary	-	-	-	-	-	1904-Present	Rock 1989	Fragment	Lid	3	45.7	SA, BH	4/20/2017
RIV-	455	TU-1	0-10	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Sanitary	-	-	-	-	-	1904-Present	Rock 1989	Fragment	Lid	2	19.2	SA, BH	4/20/2017
RIV-	456	TU-1	0-10	Can	Food	Metal	Ferrous	-	Consumer Items	Sanitary, Church Key	-	-	-	-	-	1935-Present	Rock 1989	Fragment	Lid	3	63.7	SA, BH	4/20/2017
RIV-	457	TU-1	0-10	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Sanitary	-	-	-	-	-	1904-Present	Rock 1989	Fragment	Lid	1	29.8	SA, BH	4/20/2017
RIV-	458	TU-1	0-10	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Sanitary	-	-	-	-	-	1904-Present	Rock 1989	Fragment	Body	1	13.2	SA, BH	4/20/2017
RIV-	459	TU-1	0-10	Can	Food	Metal	Ferrous	Food	Consumer Items	Sanitary, h: 2.8"	-	-	-	-	-	1904-Present	Rock 1989	Fragment	Body	1	31.5	SA, BH	4/20/2017
RIV-8120	460	TU-1	0-10	Can	Food	Metal	Ferrous	Food	Consumer Items	Sanitary, h: 2.8"	-	-	-	-	-	1904-Present	Rock 1989	Fragment	Base, Body	4	170.1	SA, BH	4/20/2017
RIV-8120	461	TU-1	0-10	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Sanitary, di: 3.2, h: 2"	-	-	-	-	-	1904-Present	Rock 1989	Fragment	Base, Body	1	67.3	SA, BH	4/20/2017
RIV-	462	TU-1	0-10	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Sanitary, Lap End Seam	-	-	-	-	-	1935-Present	Rock 1989	Fragment	Body	1	86.7	SA, BH	4/20/2017
RIV-	463	TU-1	0-10	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Sanitary, Lap End Seam	-	-	-	-	-	1935-Present	Rock 1989	Fragment	Body	1	63.2	SA, BH	4/20/2017
RIV-8120	464	TU-1	0-10	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Sanitary	-	-	-	-	-	1904-Present	Rock 1989	Fragment	Base, Body	3	214.9	SA, BH	4/20/2017
RIV-	465	TU-1	0-10	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Too Frag to Type	-	-	-	-	-	-	-	Fragment	Body	1	33.3	SA, BH	4/20/2017
RIV-8120	466	TU-1	0-10	Can	Food	Metal	Ferrous	Evaporated Milk	Consumer Items	Vent Hole, di: 3" h: 4"	-	-	-	-	-	1941-1951	Rock 1989	Fragment	Base, Body	1	54.8	SA, BH	4/20/2017
RIV-	467	TU-1	0-10	Button	Sew-Through	Plastic	Bakelite	-	Garment Items	4-hole	-	-	-	-	-	-	-	Complete	-	1	2.9	SA, BH	4/20/2017
RIV-	468	TU-1	0-10	Architecture	Window	Glass	Aqua Tint	-	Building Material	-	-	-	-	-	-	-	-	Fragment	-	-	256.2	SA, BH	4/20/2017
RIV-	469	TU-1	0-10	Bottle	Medicine	Glass	Cobalt	-	Consumer Items	-	ABM	-	-	-	-	1904-present	Lindsey 2017	Fragment	Body	-	32.4	SA, BH	4/20/2017
RIV-	470	TU-1	0-10	Bottle	Medicine	Glass	Cobalt	-	Consumer Items	EMB: C/…HASI…	ABM	-	-	-	-	1904-present	Lindsey 2017	Fragment	Body	1	8.3	SA, BH	4/20/2017
RIV-	471	TU-1	0-10	Bottle	Indeterminate	Glass	Amber	-	Consumer Items	-	-	-	-	-	-	-	-	Fragment	Body	-	77	SA, BH	4/20/2017
RIV-	472	TU-1	0-10	Bottle	Cleaning	Glass	Amber	-	Household Items	Stippling on body	ABM	-	-	-	-	1940-Present	Lindsey 2017	Fragment	Body	1	8.5	SA, BH	4/20/2017
RIV-8120	473	TU-1	0-10	Bottle	Cleaning	Glass	Amber	Bleach	Household Items	EMB: PUREX, Small Mouth External Thread, stippled base	ABM	-	-	Purex Corp.	Los Angeles, CA	1940-1959	Lindsey 2017	Fragment	Body, Finish	1	44.3	SA, BH	4/20/2017
RIV-8120	474	TU-1	0-10	Bottle	Indeterminate	Glass	Amber	-	Consumer Items	Stippling on base, EMB (on base): MADE IN US/PAT'D 95 464	ABM	MTC	Thatcher Mfg. Co.	-	-	1944-1982	Whitten 2005	Fragment	Base	1	44.2	SA, BH	4/20/2017
RIV-	475	TU-1	0-10	Jar	Canning	Glass	Aqua	-	Kitchen Items	EMB: M…	ABM	-	-	-	-	1904-present	Lindsey 2017	Fragment	Body	1	2.3	SA, BH	4/20/2017
RIV-	476	TU-1	0-10	Jar	Cosmetic	Glass	Milk	-	Personal Items	-	ABM	-	-	-	-	1904-present	Lindsey 2017	Fragment	Body	-	11.8	SA, BH	4/20/2017
RIV-	477	TU-1	0-10	Container	Indeterminate	Glass	Colorless	-	Consumer Items	-	-	-	-	-	-	-	-	Fragment	Body	-	723.1	SA, BH	4/20/2017
RIV-	478	TU-1	0-10	Glassware	Tumbler	Glass	Colorless	-	Kitchen Items	-	ABM	-	-	-	-	1904-present	Lindsey 2017	Fragment	Rim	1	25.4	SA, BH	4/20/2017
RIV-	479	TU-1	0-10	Glassware	Tumbler	Glass	Colorless	-	Kitchen Items	-	ABM	-	-	-	-	1904-present	Lindsey 2017	Fragment	Rim	1	6.8	SA, BH	4/20/2017
RIV-	480	TU-1	0-10	Glassware	Tumbler	Glass	Colorless	-	Kitchen Items	-	ABM	-	-	-	-	1904-present	Lindsey 2017	Fragment	Rim	1	11.9	SA, BH	4/20/2017
RIV-	481	TU-1	0-10	Glassware	Vessel	Glass	Colorless	-	Kitchen Items	Pressed Glass	ABM	-	-	-	-	1904-present	Lindsey 2017	Fragment	Body	1	26.9	SA, BH	4/20/2017
RIV-	482	TU-1	0-10	Bottle	Condiment	Glass	Colorless	-	Consumer Items	Ribbed	ABM	-	-	-	-	1904-present	Lindsey 2017	Fragment	Body	1	3.2	SA, BH	4/20/2017
RIV-	483	TU-1	0-10	Jar	Canning	Glass	Colorless	-	Kitchen Items	Wide Mouth External Thread	ABM	-	-	-	-	1904-present	Lindsey 2017	Fragment	Finish	1	28.6	SA, BH	4/20/2017
RIV-	484	TU-1	0-10	Jar	Canning	Glass	Colorless	-	Kitchen Items	Wide Mouth External Thread	ABM	-	-	-	-	1904-present	Lindsey 2017	Fragment	Finish	8	77.9	SA, BH	4/20/2017
RIV-	485	TU-1	0-10	Bottle	Dairy	Glass	Colorless	Milk	Consumer Items	Capseat finish	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	55.1	SA, BH	4/20/2017
RIV-	486	TU-1	0-10	Glassware	Vessel	Glass	Colorless	-	Consumer Items	Bead finish	ABM	-	-	-	-	1904-present	Lindsey 2017	Fragment	Finish	1	49.5	SA, BH	4/20/2017
RIV-	487	TU-1	0-10	Glassware	Vessel	Glass	Colorless	-	Consumer Items	Bead finish	ABM	-	-	-	-	1904-present	Lindsey 2017	Fragment	Finish	1	20.2	SA, BH	4/20/2017
RIV-	488	TU-1	0-10	Jar	Condiment	Glass	Colorless	-	Consumer Items	-	ABM	-	-	-	-	1904-present	Lindsey 2017	Fragment	Finish	1	15.6	SA, BH	4/20/2017
RIV-	489	TU-1	0-10	Jar	Condiment	Glass	Colorless	-	Consumer Items	-	ABM	-	-	-	-	1904-present	Lindsey 2017	Fragment	Finish	1	16.5	SA, BH	4/20/2017
RIV-	490	TU-1	0-10	Bottle	Beverage	Glass	Colorless	-	Consumer Items	Stippling on body	ABM	-	-	-	-	1940-Present	Lindsey 2017	Fragment	Body	1	1.6	SA, BH	4/20/2017
RIV-	491	TU-1	0-10	Bottle	Indeterminate	Glass	Colorless	-	Consumer Items	EMB: …LLON	ABM	-	-	-	-	1904-present	Lindsey 2017	Fragment	Body	1	3.8	SA, BH	4/20/2017

Site No.	Catalog No.	Unit	Depth (cm)	Object Type	Object Subtype	Material Type	Material Subtype	Product	Functional Categories	Diagnostic Elements	Manufacture Style	Maker's Mark	Manufacturer	Company	Place Of Origin	Date Range	Dating Source	Condition	Portion	Qty	Weight (g)	Exc By	Exc On
RIV-8120	492	TU-1	0-10	Bottle	Beverage	Glass	Colorless	Soda	Consumer Items	EMB: PEPSI-COLA, ACL: PEPSI-COLA//THI IS TGE LONG SINGLE DRINK/ PEPSI-COLA, Stippling on base	ABM	-	-	Pepsi-Cola Co.	New Bern, CN	1940-1960	Lindsey 2017	Fragment	Body	1	140.9	SA, BH	4/20/2017
RIV-	493	TU-1	0-10	Bottle	Beverage	Glass	Colorless	-	Consumer Items	Double Ring Finish	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	29.2	SA, BH	4/20/2017
RIV-	494	TU-1	0-10	Bottle	Indeterminate	Glass	Colorless	-	Consumer Items	Stippling on base	ABM	-	-	-	-	1940-Present	Lindsey 2017	Fragment	Base	1	178.3	SA, BH	4/20/2017
RIV-	495	TU-1	0-10	Bottle	Indeterminate	Glass	Colorless	-	Consumer Items	Stippling on base	ABM	-	-	-	-	1940-Present	Lindsey 2017	Fragment	Base	1	72.9	SA, BH	4/20/2017
RIV-8120	496	TU-1	0-10	Bottle	Indeterminate	Glass	Colorless	-	Consumer Items	Stippling on base	ABM	(AHK)	Alexander H. Kerr & Co.	-	Santa Ana, CA	1944-1949	Lindsey 2017, Whitten 2004	Fragment	Base	1	117.8	SA, BH	4/20/2017
RIV-8120	497	TU-1	0-10	Bottle	Indeterminate	Glass	Colorless	-	Consumer Items	Stippling on base, EMB (on base): 505	ABM	-	-	-	-	1940-Present	Lindsey 2017	Fragment	Base	1	8	SA, BH	4/20/2017
RIV-8120	498	TU-1	0-10	Bottle	Beverage	Glass	Colorless	-	Consumer Items	Stippling on base, EMB: Duraglas (script)	ABM	20 <(I)> 8	Owens-Illinois Glass Co.	-	Oakland, CA	1948	Lindsey 2017	Fragment	Base	1	39.4	SA, BH	4/20/2017
RIV-8120	499	TU-1	0-10	Bottle	Beverage	Glass	Colorless	-	Consumer Items	Stippling on base, EMB: Duraglas (script)	ABM	-	Owens-Illinois Glass Co.	-	Toledo, OH	1940-1963	Lindsey 2017	Fragment	Base	1	24.7	SA, BH	4/20/2017
RIV-8120	500	TU-1	0-10	Jar	Condiment	Glass	Colorless	-	Consumer Items	Valve mark, Stippling on base, EMB (on base): 632	ABM	-	-	-	-	1910-1949	Lindsey 2017	Fragment	Base	1	6.9	SA, BH	4/20/2017
RIV-	501	TU-1	0-10	Jar	Condiment	Glass	Colorless	-	Consumer Items	Stippling on base	ABM	(LM)	Latchford-Marble Glass Co.	-	Los Angeles, CA	1940-1957	Lindsey 2017	Fragment	Base	1	48.1	SA, BH	4/20/2017
RIV-8120	502	TU-1	0-10	Bottle	Beverage	Glass	Colorless	Alcohol	Consumer Items	EMB: QUART, EMB (on base): 1988	ABM	GC <entwined>	Glass Containers Corp.	-	Fullerton, CA	1940-1968	Lindsey 2017	Fragment	Base	1	91.7	SA, BH	4/20/2017
RIV-	503	TU-1	0-10	Bottle	Indeterminate	Glass	Colorless	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Base	1	34.8	SA, BH	4/20/2017
RIV-8120	504	TU-1	0-10	Jar	Indeterminate	Glass	Colorless	-	Kitchen items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Base, Body, Finish	1	113.3	SA, BH	4/20/2017
RIV-	505	TU-1	0-10	Bottle	Indeterminate	Glass	Colorless	-	Consumer Items	Stippled base	ABM	<(I)>	Owens-Illinois Glass Co.	-	-	1940-1954	Lindsey 2017	Fragment	Base	1	22	SA, BH	4/20/2017
RIV-	506	TU-1	0-10	Jar	Indeterminate	Glass	Colorless	-	Consumer Items	Valve mark, EMB (on base): 0	ABM	-	-	-	-	1910-1949	Lindsey 2017	Fragment	Base	1	90.1	SA, BH	4/20/2017
RIV-	507	TU-1	0-10	Bottle	Indeterminate	Glass	Colorless	-	Consumer Items	Stippling on base	ABM	-	-	-	-	1940-Present	Lindsey 2017	Fragment	Base	1	6.7	SA, BH	4/20/2017
RIV-	508	TU-1	0-10	Bottle	Indeterminate	Glass	Colorless	-	Consumer Items	EMB (on base): …HE SE…	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Base	1	13.3	SA, BH	4/20/2017
RIV-	509	TU-1	0-10	Glassware	Tumbler	Glass	Colorless	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Base	1	23.7	SA, BH	4/20/2017
RIV-	510	TU-1	0-10	Bottle	Indeterminate	Glass	Colorless	-	Consumer Items	-	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Base	7	89.9	SA, BH	4/20/2017
RIV-	511	TU-1	0-10	Glassware	Tumbler	Glass	Colorless	-	Consumer Items	-	ABM	-	-	-	-	1904-present	Lindsey 2017	Fragment	Base	1	30.9	SA, BH	4/20/2017
RIV-	512	TU-1	10-20	Metal	Indeterminate	Metal	Ferrous	-	Unknown Items	-	-	-	-	-	-	-	-	Fragment	-	-	43.9	SA, BH	4/20/2017
RIV-	513	TU-1	10-20	Can	Indeterminate	Metal	Ferrous	-	Consumer Items	Too Frag to Type	-	-	-	-	-	-	-	Fragment	Lid	3	23.4	SA, BH	4/20/2017
RIV-	514	TU-1	10-20	Bottle Closure	Crown Cap	Metal	Ferrous	-	Consumer Items	-	-	-	-	-	-	-	-	Fragment	-	7	21.7	SA, BH	4/20/2017
RIV-	515	TU-1	10-20	Can	Food	Metal	Ferrous	-	Consumer Items	Key Wind	-	-	-	-	-	1897-1993	Rock 1989	Fragment	-	2	5.9	SA, BH	4/20/2017
RIV-	516	TU-1	10-20	Architecture	Window	Glass	Aqua Tint	-	Building Material	-	-	-	-	-	-	-	-	Fragment	-	-	170.3	SA, BH	4/20/2017
RIV-	517	TU-1	10-20	Bottle	Medicine	Glass	Cobalt	-	Consumer Items	-	ABM	-	-	-	-	1904-present	Lindsey 2017	Fragment	Body	-	52.2	SA, BH	4/20/2017
RIV-	518	TU-1	10-20	Container	Indeterminate	Glass	Amber	-	Consumer Items	-	ABM	-	-	-	-	1904-present	Lindsey 2017	Fragment	Body	-	42.8	SA, BH	4/20/2017
RIV-	519	TU-1	10-20	Jar	Canning	Glass	Aqua	-	Consumer Items	-	ABM	-	-	-	-	1904-present	Lindsey 2017	Fragment	Body	-	6.8	SA, BH	4/20/2017
RIV-	520	TU-1	10-20	Container	Indeterminate	Glass	Colorless	-	Consumer Items	-	ABM	-	-	-	-	1904-present	Lindsey 2017	Fragment	Body	-	330.2	SA, BH	4/20/2017
RIV-	521	TU-1	10-20	Bottle	Indeterminate	Glass	Colorless	-	Consumer Items	Stippling on base	ABM	<(I)>	Owens-Illinois Glass Co.	-	-	1940-1954	Lindsey 2017	Fragment	Base	1	22.7	SA, BH	4/20/2017
RIV-	522	TU-1	10-20	Bottle	Beverage	Glass	Aqua	-	Consumer Items	Crown Finish	ABM	-	-	-	-	1904-present	Lindsey 2017	Fragment	Finish	1	5.3	SA, BH	4/20/2017
RIV-	523	TU-1	10-20	Jar	Condiment	Glass	Colorless	-	Consumer Items	Wide Mouth External Thread	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	13.4	SA, BH	4/20/2017
RIV-	524	TU-1	10-20	Jar	Canning	Glass	Colorless	-	Kitchen Items	Wide Mouth External Thread	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	13.5	SA, BH	4/20/2017
RIV-	525	TU-1	10-20	Bottle	Condiment	Glass	Colorless	-	Consumer Items	Ribbed	ABM	-	-	-	-	1904-present	Lindsey 2017	Fragment	Body	1	2.8	SA, BH	4/20/2017
RIV-	526	TU-1	10-20	Bottle	Beverage	Glass	Colorless	-	Consumer Items	ACL: red and white	ABM	-	-	-	-	1933-Present	Lindsey 2017	Fragment	Body	1	3.2	SA, BH	4/20/2017
RIV-	527	TU-1	10-20	Glassware	Vessel	Glass	Colorless	-	Household Items	Pressed Glass	ABM	-	-	-	-	1904-present	Lindsey 2017	Fragment	Body	1	1.7	SA, BH	4/20/2017
RIV-	528	TU-1	10-20	Planter	Pot	Ceramic	Earthenware	-	Household Items	No Glaze	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Rim	1	24.9	SA, BH	4/20/2017
RIV-	529	TU-1	10-20	Planter	Pot	Ceramic	Earthenware	-	Household Items	Clear Glaze	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Rim	1	7.9	SA, BH	4/20/2017
RIV-	530	TU-1	10-20	Tableware	Vessel	Ceramic	Stoneware	-	Kitchen Items	Mint Green Glaze, molded	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Body	1	5.8	SA, BH	4/20/2017
RIV-	531	TU-1	10-20	Tableware	Vessel	Ceramic	Stoneware	-	Kitchen Items	Clear Glaze	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Body	-	16.7	SA, BH	4/20/2017
RIV-	532	TU-1	20-30	Metal	Indeterminate	Metal	Ferrous	-	Unknown Items	-	-	-	-	-	-	-	-	Fragment	-	-	10.7	SA, BH	4/20/2017
RIV-	533	TU-1	20-30	Bottle Closure	Bottle Cap	Metal	Ferrous	-	Consumer Items	-	-	-	-	-	-	-	-	Fragment	-	1	2.9	SA, BH	4/20/2017
RIV-	534	TU-1	20-30	Can	Food	Metal	Ferrous	Food	Consumer Items	Key Wind	-	-	-	-	-	1897-1993	Rock 1989	Fragment	-	1	3.9	SA, BH	4/20/2017
RIV-8120	535	TU-1	20-30	Tableware	Vessel	Ceramic	Stoneware	-	Kitchen Items	Clear Glaze, TP: polychrome decorative motif	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Rim	1	5.4	SA, BH	4/20/2017
RIV-	536	TU-1	20-30	Planter	Pot	Ceramic	Earthenware	-	Household Items	Clear Glaze	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Body	1	5.6	SA, BH	4/20/2017
RIV-	537	TU-1	20-30	Architecture	Window	Glass	Aqua Tint	-	Building Material	-	-	-	-	-	-	-	-	Fragment	-	-	4.5	SA, BH	4/20/2017
RIV-	538	TU-1	20-30	Container	Indeterminate	Glass	Colorless	-	Consumer Items	-	ABM	-	-	-	-	1904-present	Lindsey 2017	Fragment	Body	-	29.8	SA, BH	4/20/2017
RIV-	539	TU-1	20-30	Jar	Canning	Glass	Colorless	-	Kitchen Items	Wide Mouth External Thread	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	3.8	SA, BH	4/20/2017
RIV-	540	TU-1	20-30	Bottle	Cleaning	Glass	Amber	-	Household Items	EMB: …LO	ABM	-	-	The Clorox Co.	-	1931-1960	Clorox Company	Fragment	Body	1	1.6	SA, BH	4/20/2017
RIV-	541	TU-1	30-40	Metal	Indeterminate	Metal	Ferrous	-	Unknown Items	-	-	-	-	-	-	-	-	Fragment	-	-	7.1	SA, BH	4/20/2017
RIV-	542	TU-1	30-40	Planter	Pot	Ceramic	Earthenware	-	Household Items	Clear Glaze	-	-	-	-	U.S.A. / Europe	-	-	Fragment	Body	1	19.2	SA, BH	4/20/2017
RIV-	543	TU-1	30-40	Bottle	Indeterminate	Glass	Amber	-	Consumer Items	-	ABM	-	-	-	-	1904-present	Lindsey 2017	Fragment	Body	-	5.6	SA, BH	4/20/2017
RIV-	544	TU-1	30-40	Container	Indeterminate	Glass	Colorless	-	Consumer Items	-	ABM	-	-	-	-	1904-present	Lindsey 2017	Fragment	Body	-	5.4	SA, BH	4/20/2017
RIV-	545	TU-1	30-40	Jar	Condiment	Glass	Colorless	-	Consumer Items	Wide Mouth External Thread	ABM	-	-	-	-	1904-Present	Lindsey 2017	Fragment	Finish	1	20.9	SA, BH	4/20/2017
RIV-	546	TU-1	30-40	Glassware	Vessel	Glass	Colorless	-	Household Items	Pressed Glass	ABM	-	-	-	-	1904-present	Lindsey 2017	Fragment	Rim	1	16.4	SA, BH	4/20/2017

Nichols Ranch Specific Plan
BFSA/17-239
P-33-26830
Master Artifact Catalog

Site No	Catalog No	Unit Type	Unit No	Depth	Artifact Class	Object Type	Material Type	Condition	Qty	Wgt (g)	Date Exc	Exc By
P-33-26830	1	SC	1	Surface	Flaked Stone	Debitage	Volcanic	Complete	1	6.2	4/21/2017	SA, BH
P-33-26830	2	SC	1	Surface	Flaked Stone	Debitage	Volcanic	Complete	1	32.4	4/21/2017	SA, BH