

APPENDIX A
NOTICE OF PREPARATION AND COMMENTS



Notice of Preparation

The City of Antioch will be the Lead Agency to prepare an Environmental Impact Report (EIR) for the City of Antioch 6th Cycle Housing Element Update (herein after referred to as the “proposed project”) in compliance with the requirements of the California Environmental Quality Act (CEQA). Additionally, this Housing Element update triggers the update of the Environmental Hazards element and Environmental Justice (EJ) policies. Pursuant to CEQA, the Lead Agency (City of Antioch) must issue a Notice of Preparation (NOP) to inform trustee and local agencies, as well as the public, that an EIR is being prepared, and to seek input on the scope and content of the EIR. Any agencies with jurisdiction over the proposed action will need to use the EIR prepared by the City when considering their own approval action and should comment on information germane to the agency’s statutory responsibilities. The EIR will evaluate the potential environmental impacts of the proposed project and recommend mitigation measures for any significant impact, as required. No Initial Study has been prepared. Please send comments on the scope of the EIR to the address shown at the end of this Notice. Due to the time limits mandated by State law, your response must be sent at the earliest possible date, but not later than 30 days after the commencement of the comment period noted above.

Project Location

The City of Antioch is located in the East Bay region of the San Francisco Bay Area within Contra Costa County, California along the San Joaquin-Sacramento River Delta (38°00’18”N 121°48’21”W). The City was incorporated in 1872 and encompasses approximately 30 square miles with a population of about 111,000. The City Boundaries and regional location of Antioch are shown in **Figure 1-1** and **Figure 1-2**. The city limits are the geographic extent for the environmental analysis included in the EIR for the proposed project.

The City primarily has a residential land use that includes approximately 36,417 residential dwelling units with its Downtown Area and City Hall located near the northern portion of the city near the river. The City has its own Bay Area Rapid Transit (BART) station. This BART station puts Antioch residents a 1-hour ride from San Francisco and 45-minute ride from Oakland. In addition to the BART station, the City also maintains parks within the City limits and is home to a portion of Contra Loma Regional Park which is maintained by the East Bay Regional Park District.

California State 4 (SR-4) passes through the city diagonally in an east-west direction. SR-4 is a major regional freeway that connects Antioch to the rest of the San Francisco Bay Area on the west and connects the City to the Sierra foothills on the east. Additionally, the California State 160 (SR-160) begins in the Northeastern portion of Antioch and connects the city to the Sacramento area.



Housing Element Background

California state law requires the City to update the chapter or “element” of its General Plan regarding housing by January 31, 2023, while making any changes to other elements of the General Plan needed to maintain internal consistency, and undertaking related changes to the City’s zoning ordinance. The Housing Element was last updated in 2015 and covers the “5th Cycle” housing element planning period from 2015 through 2023. Because this period is drawing to a close, State law [Government Code Section 65588] requires the City to update its Housing Element and provides a deadline of January 31, 2023. In accordance with State law, the planning period, also known as the “6th Cycle”, for the updated Housing Element will extend from January 31, 2023 to January 31, 2031.

Key Components of Housing Element

Through the Housing Element update process, the City is required to demonstrate that it has the regulatory and land use policies to accommodate its assigned Regional Housing Needs Allocation (RHNA). Local governments are not required to build the housing. Rather, the actual development of housing is anticipated to be constructed by developers. However, the Housing Element is required to demonstrate potential sites where housing can be accommodated to meet all the income levels of a jurisdiction’s RHNA. Identification of potential sites and related site housing capacity does not guarantee that construction will occur on that site. If there are insufficient sites and capacity to meet the RHNA allocation, the Housing Element is required to identify a rezoning program to accommodate the required capacity. If the City does not identify capacity for its RHNA allocation, the City could be deemed out of compliance and risk losing important sources of funding currently provided by the State as well as facing legal challenges.

The Key Components of the housing element are:

1. **Housing Needs Assessment:** Examine demographic, employment, and housing trends and conditions and identify existing and projected housing needs of the community, with attention paid to special housing needs (e.g., large families, persons with disabilities).
2. **Evaluation of Past Performance:** Review the prior Housing Element to measure progress in implementing policies and programs.
3. **Housing Sites Inventory:** Identify locations of available sites for housing development or redevelopment to ensure there is enough land zoned for housing to meet the future need at all income levels.
4. **Community Engagement:** Implement a robust community engagement program, reaching out to all economic segments of the community plus traditionally underrepresented groups.
5. **Constraints Analysis:** Analyze and recommend remedies for existing and potential governmental and nongovernmental barriers to housing development.
6. **Policies and Programs:** Establish policies and programs to be carried out during the 2023-2031 planning period to fulfill the identified housing needs.

Regional Housing Needs Allocation (RHNA)

In addition to including goals, policies, and implementation strategies regarding housing, housing elements must include a list of housing sites that can accommodate the amount of housing units assigned to the City by the Association of Bay Area Governments (ABAG). This assignment is referred to as a RHNA.

Along with the amount of RHNA units assigned to the City, the City needs to provide a buffer (extra housing sites) to ensure there is capacity to ensure an ongoing supply of sites for housing during the eight-year-cycle of the Housing Element. Without the buffer, the City could be obliged to identify new sites and amend the Housing Element prior to the end of the cycle if an identified site were developed with a non-housing project or developed at a density less than that anticipated in the Housing Element.

The need for a substantial buffer is even more important during this cycle because of new rules in the Housing Accountability Act's "no net loss" provisions. SB 166 (2017) requires that the land inventory and site identification programs in the Housing Element always include sufficient sites to accommodate the unmet RHNA. This means that if a site identified in the Element as having the potential for housing development to accommodate the lower-income portion of the RHNA is actually developed for a higher income level, the locality must either: 1) identify and rezone, if necessary, an adequate substitute site; or 2) demonstrate that the land inventory already contains an adequate substitute site. An adequate buffer will be critical to ensuring that the City remains compliant with the requirements.

Table 1 shows the Draft RHNA for the City of Antioch across the four income categories.

INCOME LEVEL	AMOUNT
Very-Low-Income (0-50 percent of AMI) *	792
Low-income (50-80 percent of AMI)	456
Moderate-income (80-120 percent of AMI)	493
Above moderate-income (120 percent or more of AMI)	1,275
TOTAL	3,016

*Area Median Income

Key Components of Environmental Hazards Element

The goal of the Environmental Hazards Element (previously known as the Safety Element) is to reduce the negative impacts caused by natural phenomena such as fires, floods, droughts, earthquakes, and landslides. This goal is achieved by identifying policies and programs that reduce the risks faced by residents. Since 2012, there have been several updates to Environmental Hazards Element requirements to include climate change vulnerability and adaptation and greater attention to wildfire and evacuation routes. Jurisdictions are required to complete a vulnerability assessment, develop adaptation and resilience goals, policies, and objectives, and develop a set of feasible implementation measures addressing climate change adaptation and resiliency (SB 379, 2015). Jurisdictions must review and update these portions of the Environmental Hazards Element upon each revision of the housing element or local hazard mitigation plan (LHMP), but not less than once every eight years. (SB 1035, 2018).

Key Components of Environmental Justice Policies

In 2016, SB 1000 passed which required cities and counties that have disadvantaged communities to incorporate EJ policies into their General Plan. The City meets both criteria for an EJ update as it is home to disadvantaged communities and is currently adopting or revising two or more elements concurrently. Local jurisdictions may choose to create a stand alone EJ element or integrate policies within the General Plan. The City plans to take the latter approach and integrate the policies into the General Plan. The term “disadvantaged communities” is defined as a low-income area that is disproportionately affected by environmental pollution and other hazards that can lead to negative health effects, exposure, or environmental degradation. Additionally, within this context “low-income area” is defined as an area with household incomes at or below 80 percent of the statewide median income or with household incomes at or below the threshold designated as low income by HCD’s list of state income limits adopted pursuant to Section 50093 of the Health and Safety Code. (Gov. Code, § 65302, subd. (h)(4)(C)). The requirements for the EJ policies are:

- Gov. Code § 65302(h)(1): Identify disadvantaged communities within the area covered by the General Plan.
- Gov. Code § 65302(h)(1)(A): Identify objectives and policies to reduce exposure to pollution including improving air quality in disadvantaged communities.
- Gov. Code § 65302 (h)(1)(A): Identify objectives and policies to promote public facilities in disadvantaged communities.
- Gov. Code § 65302(h)(1)(A): Identify objectives and policies to promote food access in disadvantaged communities.
- Gov. Code § 65302(h)(1)(A): Identify objectives and policies to promote safe and sanitary homes in disadvantaged communities.
- Gov. Code § 65302(h)(1)(A): Identify objectives and policies to promote physical activity in disadvantaged communities.
- Gov. Code § 65302(h)(1)(A): Identify objectives and policies to reduce any unique or compounded health risks in disadvantaged communities not otherwise addressed above.
- Gov. Code § 65302(h)(1)(B): Identify objectives and policies to promote civic engagement in the public decision-making process in disadvantaged communities.
- Gov. Code § 65302(h)(1)(C): Identify objectives and policies that prioritize improvements and programs that address the needs of disadvantaged communities.

One of the first steps within the EJ update process will be to review existing policies and programs pertinent to EJ in the City. This is done through a policy review process where the outcomes of those policies and programs are measured to determine if they were effective in achieving their goal. Additionally, community partners will be engaged to help identify existing gaps within the existing policy framework.

Potential Environmental Effects of Updates

The environmental analyses and technical sections presented in the Draft EIR will describe the existing conditions in the City. Relevant federal, State, and local laws and regulations, including the current City of Antioch General Plan goals and policies, will be summarized.

The methods of analysis and any assumptions that are important to understand the conclusions of the analysis will be described, along with the standards of significance used to determine impacts of the project. The standards for determining impact significance will be based on existing State and federal rules, regulations, and laws, City ordinances and policies, and past practices. The standards will be used to determine whether an impact is significant and for the effectiveness of recommended mitigation. Feasible mitigation measures will be identified for each significant impact. The description of mitigation measures will identify the specific actions to be taken, the timing of the action, and the parties responsible for implementation of the measure.

At this time, it is anticipated that the following issues/technical sections will be addressed in the EIR:

- Aesthetics/Light and Glare
- Air Quality
- Biological Resources
- Cultural Resources
- Geology/Soils
- Greenhouse Gas Emissions
- Hazards and Hazardous Materials
- Hydrology and Water Quality
- Land Use and Planning
- Noise and Vibration
- Population and Housing
- Public Services and Recreation
- Utilities and Service Systems
- Transportation
- Tribal Cultural Resources
- Wildfire

Public Scoping Meeting

The City of Antioch is hosting a public scoping meeting during the NOP public comment period on November 17th, 2021, during a regularly scheduled Planning Commission meeting beginning 6:30pm via teleconference (Zoom webinar). Information to participate in the meeting is listed below:

Meeting Link: <https://us06web.zoom.us/j/89868075046>

Or One tap mobile:

US: +14086380968,,89868075046# or +16699006833,,89868075046#

Or Telephone: Dial (for higher quality, dial a number based on your current location):

US: +1 408 638 0968 or +1 669 900 6833 or +1 253 215 8782 or +1 346 248 7799 or
+1 646 876 9923 or +1 301 715 8592 or +1 312 626 6799

Webinar ID: 898 6807 5046

International numbers available: <https://us06web.zoom.us/u/kkAXq0G9f>

As an alternative, the City will also stream video and audio of the public scoping meeting at the following webpage; however, the link below does not provide the ability to comment during the meeting: antiochca.gov/pcmeetings

Submitting Comments

This Notice of Preparation is scheduled to be released on November 8th, 2021. Comments regarding the scope of the EIR analysis are invited from all interested parties to ensure the full range of project issues of interest are addressed. Written comments (emails are acceptable) concerning the EIR for the proposed project should be directed to Zoe Merideth, Senior Planner (contact information below) no later than 5 pm on December 8, 2021. All comments will be

City of Antioch Housing Element Update

considered during preparation of the Draft EIR, which will be circulated for public review, and comments received on the Draft EIR will also be considered and responded to prior to preparation of a Final EIR and consideration and approval of the housing element update.

If you have any questions regarding the proposed Housing Element Update or the EIR process, please contact Zoe Merideth at the contact information listed below.

Zoe Merideth
Senior Planner
City of Antioch
P.O. Box 5007
Antioch, CA 94531-5007
Main: 925-779-6159/ Direct: 925-779-6122
zmerideth@antiochca.gov

Attachments:

Figure 1-1, Regional Location

Figure 1-2, Project Vicinity

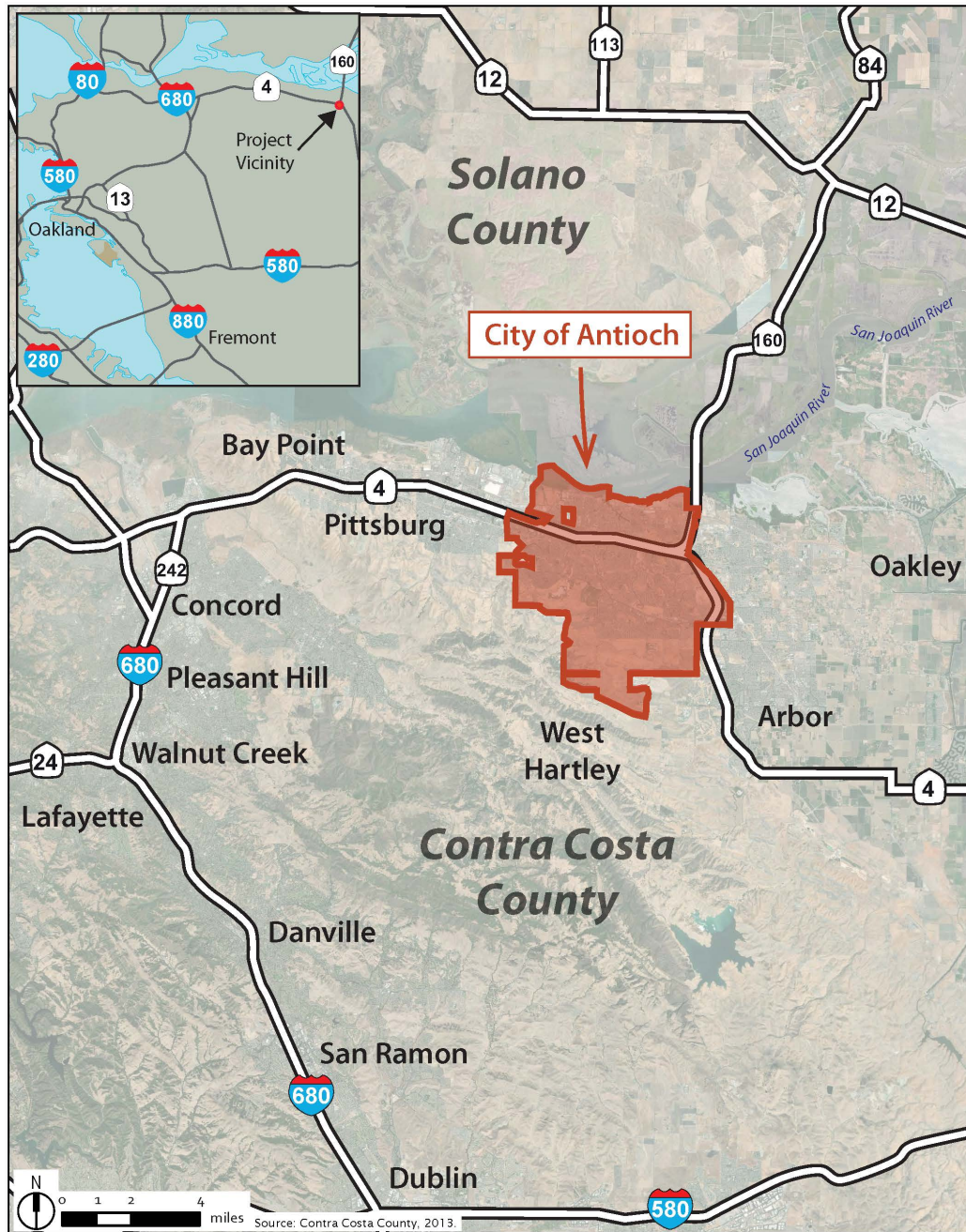


Figure 1-1
Regional Location
Antioch 6th Cycle Housing Element Update

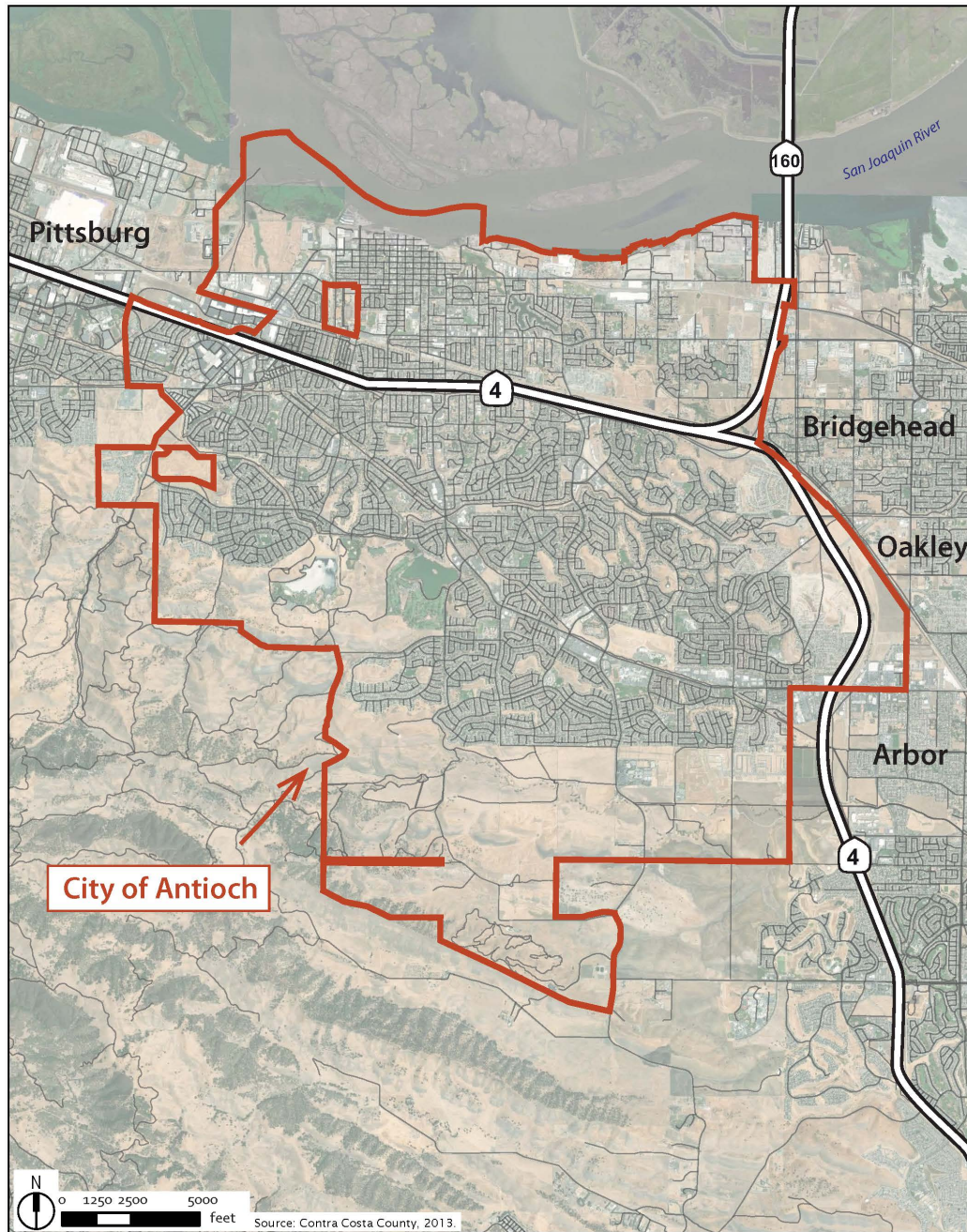
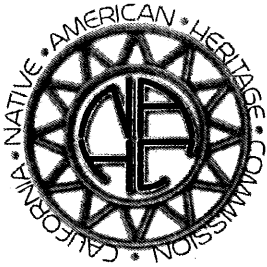


Figure 1-2
Project Vicinity
Antioch 6th Cycle Housing Element Update



NATIVE AMERICAN HERITAGE COMMISSION

RECEIVED

November 12, 2021

NOV 17 2021

Zoe Merideth
City of Antioch
P.O. Box 5007
Antioch, CA 94531-5007

CITY OF ANTIOCH
COMMUNITY DEVELOPMENT

Re: 2021110146, City of Antioch Housing Element Update Project, Contra Costa County

Dear Ms. Merideth:

The Native American Heritage Commission (NAHC) has received the Notice of Preparation (NOP), Draft Environmental Impact Report (DEIR) or Early Consultation for the project referenced above. The California Environmental Quality Act (CEQA) (Pub. Resources Code §21000 et seq.), specifically Public Resources Code §21084.1, states that a project that may cause a substantial adverse change in the significance of a historical resource, is a project that may have a significant effect on the environment. (Pub. Resources Code § 21084.1; Cal. Code Regs., tit.14, § 15064.5 (b) (CEQA Guidelines §15064.5 (b)). If there is substantial evidence, in light of the whole record before a lead agency, that a project may have a significant effect on the environment, an Environmental Impact Report (EIR) shall be prepared. (Pub. Resources Code §21080 (d); Cal. Code Regs., tit. 14, § 5064 subd.(a)(1) (CEQA Guidelines §15064 (a)(1)). In order to determine whether a project will cause a substantial adverse change in the significance of a historical resource, a lead agency will need to determine whether there are historical resources within the area of potential effect (APE).

CEQA was amended significantly in 2014. Assembly Bill 52 (Gatto, Chapter 532, Statutes of 2014) (AB 52) amended CEQA to create a separate category of cultural resources, "tribal cultural resources" (Pub. Resources Code §21074) and provides that a project with an effect that may cause a substantial adverse change in the significance of a tribal cultural resource is a project that may have a significant effect on the environment. (Pub. Resources Code §21084.2). Public agencies shall, when feasible, avoid damaging effects to any tribal cultural resource. (Pub. Resources Code §21084.3 (a)). **AB 52 applies to any project for which a notice of preparation, a notice of negative declaration, or a mitigated negative declaration is filed on or after July 1, 2015.** If your project involves the adoption of or amendment to a general plan or a specific plan, or the designation or proposed designation of open space, on or after March 1, 2005, it may also be subject to Senate Bill 18 (Burton, Chapter 905, Statutes of 2004) (SB 18). **Both SB 18 and AB 52 have tribal consultation requirements.** If your project is also subject to the federal National Environmental Policy Act (42 U.S.C. § 4321 et seq.) (NEPA), the tribal consultation requirements of Section 106 of the National Historic Preservation Act of 1966 (154 U.S.C. 300101, 36 C.F.R. §800 et seq.) may also apply.

The NAHC recommends consultation with California Native American tribes that are traditionally and culturally affiliated with the geographic area of your proposed project as early as possible in order to avoid inadvertent discoveries of Native American human remains and best protect tribal cultural resources. Below is a brief summary of portions of AB 52 and SB 18 as well as the NAHC's recommendations for conducting cultural resources assessments.

Consult your legal counsel about compliance with AB 52 and SB 18 as well as compliance with any other applicable laws.

CHAIRPERSON
Laura Miranda
Luiseño

VICE CHAIRPERSON
Reginald Pagaling
Chumash

PARLIAMENTARIAN
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Karuk

COMMISSIONER
William Mungary
Paiute/White Mountain
Apache

COMMISSIONER
Isaac Bojorquez
Ohlone-Costanoan

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Yokayo Pomo, Yuki,
Nomlaki

COMMISSIONER
Wayne Nelson
Luiseño

COMMISSIONER
Stanley Rodriguez
Kumeyaay

EXECUTIVE SECRETARY
Christina Snider
Pomo

NAHC HEADQUARTERS
1550 Harbor Boulevard
Suite 100
West Sacramento,
California 95691
(916) 373-3710
nahc@nahc.ca.gov
NAHC.ca.gov

AB 52 has added to CEQA the additional requirements listed below, along with many other requirements:

- 1. Fourteen Day Period to Provide Notice of Completion of an Application/Decision to Undertake a Project:** Within fourteen (14) days of determining that an application for a project is complete or of a decision by a public agency to undertake a project, a lead agency shall provide formal notification to a designated contact of, or tribal representative of, traditionally and culturally affiliated California Native American tribes that have requested notice, to be accomplished by at least one written notice that includes:

 - a. A brief description of the project.
 - b. The lead agency contact information.
 - c. Notification that the California Native American tribe has 30 days to request consultation. (Pub. Resources Code §21080.3.1 (d)).
 - d. A "California Native American tribe" is defined as a Native American tribe located in California that is on the contact list maintained by the NAHC for the purposes of Chapter 905 of Statutes of 2004 (SB 18). (Pub. Resources Code §21073).
- 2. Begin Consultation Within 30 Days of Receiving a Tribe's Request for Consultation and Before Releasing a Negative Declaration, Mitigated Negative Declaration, or Environmental Impact Report:** A lead agency shall begin the consultation process within 30 days of receiving a request for consultation from a California Native American tribe that is traditionally and culturally affiliated with the geographic area of the proposed project. (Pub. Resources Code §21080.3.1, subds. (d) and (e)) and prior to the release of a negative declaration, mitigated negative declaration or Environmental Impact Report. (Pub. Resources Code §21080.3.1(b)).

 - a. For purposes of AB 52, "consultation shall have the same meaning as provided in Gov. Code §65352.4 (SB 18). (Pub. Resources Code §21080.3.1 (b)).
- 3. Mandatory Topics of Consultation If Requested by a Tribe:** The following topics of consultation, if a tribe requests to discuss them, are mandatory topics of consultation:

 - a. Alternatives to the project.
 - b. Recommended mitigation measures.
 - c. Significant effects. (Pub. Resources Code §21080.3.2 (a)).
- 4. Discretionary Topics of Consultation:** The following topics are discretionary topics of consultation:

 - a. Type of environmental review necessary.
 - b. Significance of the tribal cultural resources.
 - c. Significance of the project's impacts on tribal cultural resources.
 - d. If necessary, project alternatives or appropriate measures for preservation or mitigation that the tribe may recommend to the lead agency. (Pub. Resources Code §21080.3.2 (a)).
- 5. Confidentiality of Information Submitted by a Tribe During the Environmental Review Process:** With some exceptions, any information, including but not limited to, the location, description, and use of tribal cultural resources submitted by a California Native American tribe during the environmental review process shall not be included in the environmental document or otherwise disclosed by the lead agency or any other public agency to the public, consistent with Government Code §6254 (r) and §6254.10. Any information submitted by a California Native American tribe during the consultation or environmental review process shall be published in a confidential appendix to the environmental document unless the tribe that provided the information consents, in writing, to the disclosure of some or all of the information to the public. (Pub. Resources Code §21082.3 (c)(1)).
- 6. Discussion of Impacts to Tribal Cultural Resources in the Environmental Document:** If a project may have a significant impact on a tribal cultural resource, the lead agency's environmental document shall discuss both of the following:

 - a. Whether the proposed project has a significant impact on an identified tribal cultural resource.
 - b. Whether feasible alternatives or mitigation measures, including those measures that may be agreed to pursuant to Public Resources Code §21082.3, subdivision (a), avoid or substantially lessen the impact on the identified tribal cultural resource. (Pub. Resources Code §21082.3 (b)).

[Planning Division](#)

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www.antiochisopportunity.com

City of Antioch | City Hall | 200 "H" Street | Antioch, CA 94531-5007

From: Liz Kain <ekain@google.com>

Sent: Wednesday, November 17, 2021 3:01 PM

To: Planning Division <Planning@ci.antioch.ca.us>

Subject: Antioch Planning Commission: Comments for 11-17 (Wed)

Hi all,

I wanted to comment on tonight, or this evening's, item regarding housing planning and urban usage of the Sand Creek Focus area per:

Agenda mid-November '21

https://www.antiochca.gov/fc/government/agendas/PC/111721.pdf?fbclid=IwAR1t3TKZU1cGF_wrywAu7hIXEDESVEc0pSWLqK4iACDPZRriDDpKjCcceiY

As an advocate for general positive change in our community, I would like the City Council & Planning Commission to consider the community at large, and mostly to consider urban planning (building) closer to existing infrastructure, and less further out a field - such as in the Sand Creek area. Especially in areas, near public transit, and central hubs - like focusing revitalization of our hometown Riverfront. I also trust in this Planning Commission to make the right calls, consider on behalf of its residents.

Thanks very much,

~ Liz Kain

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

From: [Merideth, Zoe](#)
To: [Curtis Banks](#); [Mona Al-Abadi](#)
Cc: [Carla Violet](#)
Subject: [EXT] FW: Comment for Agenda item 4, meeting 11-17-2021
Date: Wednesday, November 17, 2021 3:30:23 PM
Attachments: [image001.png](#)

Hi,

We received this comment for the scoping meeting tonight.

Zoe Merideth
Senior Planner

☎: 925-779-6159 (Main)
☎: 925-779-6122 (Direct)
💻: www.antiochca.gov

City of Antioch | P.O. Box 5007, Antioch, CA 94531-5007



From: lmeinhar <lmeinhar@pacbell.net>
Sent: Wednesday, November 17, 2021 1:07 PM
To: Planning Division <Planning@ci.antioch.ca.us>
Subject: Comment for Agenda item 4, meeting 11-17-2021

I strongly support any effort the city can make to satisfy the city's new housing requirements with infill projects and building projects adjacent to existing housing, while leaving current valued open space open, such as the Sand Creek areas, particularly the Zeka and Richfield parcels. Let's avoid patchwork development.

Thank you.
Lucy Meinhardt
50 year Antioch resident

Sent from my Verizon, Samsung Galaxy smartphone

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

From: [Merideth, Zoe](#)
To: [Curtis Banks](#); [Mona Al-Abadi](#)
Cc: [Carla Violet](#)
Subject: [EXT] FW: Antioch Planning Commission: Comments for 11-17 (Wed)
Date: Wednesday, November 17, 2021 4:34:56 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
Importance: High

Hi,

We received this comment too. We asked for clarification on what item but haven't heard back yet. We're assuming Item 4.

Zoe Merideth
Senior Planner

☎: 925-779-6159 (Main)
☎: 925-779-6122 (Direct)
💻: www.antiochca.gov

City of Antioch | P.O. Box 5007, Antioch, CA 94531-5007



From: Brown, Hilary <hbrown@antiochca.gov>
Sent: Wednesday, November 17, 2021 3:17 PM
To: Liz Kain <ekain@google.com>
Subject: RE: Antioch Planning Commission: Comments for 11-17 (Wed)
Importance: High

Hello,

Thank you, your comment has been received; can you please confirm which item this is for so that we can enter into the accurate record?

Item 3 – Environmental Justice

Item 4 – Housing Element, Notice of Preparation / Scoping Meeting

Or General Comment?

Thank you.

Hilary Brown (*she/her/hers*)
Community Development Technician

California Department of Transportation

DISTRICT 4
OFFICE OF TRANSIT AND COMMUNITY PLANNING
P.O. BOX 23660, MS-10D | OAKLAND, CA 94623-0660
www.dot.ca.gov



December 6, 2021

SCH #: 2021110146
GTS #: 04-CC-2021-00515
GTS ID: 24741
Co/Rt/Pm: CC/4/28.9

Zoe Merideth, Senior Planner
City of Antioch
P.O. Box 5007
Antioch, CA 94531

Re: Antioch 6th Cycle Housing Element Update Notice of Preparation (NOP)

Dear Zoe Merideth:

Thank you for including the California Department of Transportation (Caltrans) in the environmental review process for the Antioch 6th Cycle Housing Element Update Project. We are committed to ensuring that impacts to the State's multimodal transportation system and to our natural environment are identified and mitigated to support a safe, sustainable, integrated and efficient transportation system. The following comments are based on our review of the November 2021 NOP.

Project Understanding

The project proposes to include the adoption of General Plan amendments that would add or modify goals, objectives, policies, and implementation programs related to housing that would apply city-wide, and that would address the maintenance, preservation, improvement, and development of housing in the City of Antioch (City). In addition, prepare a Draft Environmental Impact Report (DEIR) for the 6th Cycle Housing Element Update. This DEIR will address the environmental impacts associated with the adoption and implementation of the 6th Cycle Housing Element Update. The project encompasses the entire City, located along State Route (SR)-4 which passes through the middle of the City in an east-west direction, and SR-160 which passes along the edge of the City in a north-south direction.

Travel Demand Analysis

With the enactment of Senate Bill (SB) 743, Caltrans is focused on maximizing efficient development patterns, innovative travel demand reduction strategies, and multimodal improvements. For more information on how Caltrans assesses

Transportation Impact Studies, please review Caltrans' [Transportation Impact Study Guide](#).

If the project meets the screening criteria established in the City's adopted Vehicle Miles Traveled (VMT) policy to be presumed to have a less-than-significant VMT impact and exempt from detailed VMT analysis, please provide justification to support the exempt status in align with the City's VMT policy. Projects that do not meet the screening criteria should include a detailed VMT analysis in the DEIR, which should include the following:

- VMT analysis pursuant to the City's guidelines. Projects that result in automobile VMT per capita above the threshold of significance for existing (i.e. baseline) city-wide or regional values for similar land use types may indicate a significant impact. If necessary, mitigation for increasing VMT should be identified. Mitigation should support the use of transit and active transportation modes. Potential mitigation measures that include the requirements of other agencies such as Caltrans are fully enforceable through permit conditions, agreements, or other legally-binding instruments under the control of the City.
- A schematic illustration of walking, biking and auto conditions at the project site and study area roadways. Potential traffic safety issues to the State Transportation Network (STN) may be assessed by Caltrans via the [Interim Safety Guidance](#).
- The project's primary and secondary effects on pedestrians, bicycles, travelers with disabilities and transit performance should be evaluated, including countermeasures and trade-offs resulting from mitigating VMT increases. Access to pedestrians, bicycle, and transit facilities must be maintained.

Additionally, Caltrans requests the City to determine the Antioch 6th Cycle Housing Element Update is consistent with California Government Code Section 65088-65089.10 Congestion Management.

The City is requested to gain a determination of conformity from the Contra Costa Transportation Authority to determine that the Antioch 6th Cycle Housing Element Update is consistent with, and conforms to, the Regional Transportation Plan Consistency Requirements of the County's Congestion Management Plan (CMP).

Furthermore, Caltrans requests that the analysis determine any impacts from the Housing Element Update to the freeway mainline, ramps and ramp intersections, the analysis should include all access points to SR-4, as well as SR-160, in the plan and study area. As well, please evaluate the multi-modal impacts to transportation system users.

If the Antioch 6th Cycle Housing Element Update is determined to have significant impacts on these facilities, travel modes, or programs, Caltrans suggests the following Regional Transportation Plan (Plan Bay Area 2013) projects for fair share contributions:

RTP ID	Project Description
21-T10-075	This program includes funding to implement new bus service along SR-4 between Hillcrest eBART to Brentwood Intermodal Station. Improvements include frequency upgrades (20-minute peak headways), rapid transit improvements and a new park-and-ride facility.
21-T11-099	This program includes funding to implement new privately operated ferry service between San Francisco and Antioch, Martinez and Hercules, including new ferry terminals (2-5 peak trips per day).

Mitigation Strategies

Location efficiency factors, including community design and regional accessibility, influence a project's impact on the environment. Using Caltrans' *Smart Mobility 2010: A Call to Action for the New Decade*, the proposed project site is identified as a Suburban Community Center where community design is moderate and regional accessibility is variable.

Given the place, type and size of the project, the DEIR should include a robust Transportation Demand Management (TDM) Program to reduce VMT and greenhouse gas emissions from future development in this area. The measures listed below have been quantified by California Air Pollution Control Officers Association (CAPCOA) and shown to have different efficiencies reducing regional VMT:

- Project design to encourage mode shift like walking, bicycling and transit access;
- Transit and trip planning resources such as a commute information kiosk;
- Real-time transit information systems;
- Transit access supporting infrastructure (including bus shelter improvements and sidewalk/ crosswalk safety facilities);
- New development vehicle parking reductions;
- Implementation of a neighborhood electric vehicle (EV) network, including designated parking spaces for EVs;
- Designated parking spaces for a car share program;
- Unbundled parking;
- Wayfinding and bicycle route mapping resources;
- Participation/Formation in/of a Transportation Management Association (TMA) in partnership with other developments in the area;

- Aggressive trip reduction targets with Lead Agency monitoring and enforcement;
- VMT Banking and/or Exchange program; and/or
- Area or cordon pricing.

Using a combination of strategies appropriate to the project and the site can reduce VMT, along with related impacts on the environment and State facilities. TDM programs should be documented with annual monitoring reports by a TDM coordinator to demonstrate effectiveness. If the project does not achieve the VMT reduction goals, the reports should also include next steps to take in order to achieve those targets.

Please reach out to Caltrans for further information about TDM measures and a toolbox for implementing these measures in land use projects. Additionally, Federal Highway Administration's Integrating Demand Management into the Transportation Planning Process: A Desk Reference (Chapter 8). The reference is available online at: <http://www.ops.fhwa.dot.gov/publications/fhwahop12035/fhwahop12035.pdf>.

Lead Agency

As the Lead Agency, the City of Antioch is responsible for all project mitigation, including any needed improvements to the State Transportation Network (STN). The project's fair share contribution, financing, scheduling, implementation responsibilities and lead agency monitoring should be fully discussed for all proposed mitigation measures.

Equitable Access

If any Caltrans facilities are impacted by the project, those facilities must meet American Disabilities Act (ADA) Standards after project completion. As well, the project must maintain bicycle and pedestrian access during construction. These access considerations support Caltrans' equity mission to provide a safe, sustainable, and equitable transportation network for all users.

Zoe Merideth, Senior Planner
December 6, 2021
Page 5

Thank you again for including Caltrans in the environmental review process. Should you have any questions regarding this letter, or for future notifications and requests for review of new projects, please email LDR-D4@dot.ca.gov.

Sincerely,

A handwritten signature in black ink that reads "Mark Leong". The signature is fluid and cursive, with a long horizontal stroke extending from the end of the name.

MARK LEONG
District Branch Chief
Local Development Review

c: State Clearinghouse

- 7. Conclusion of Consultation:** Consultation with a tribe shall be considered concluded when either of the following occurs:
- The parties agree to measures to mitigate or avoid a significant effect, if a significant effect exists, on a tribal cultural resource; or
 - A party, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached. (Pub. Resources Code §21080.3.2 (b)).
- 8. Recommending Mitigation Measures Agreed Upon in Consultation in the Environmental Document:** Any mitigation measures agreed upon in the consultation conducted pursuant to Public Resources Code §21080.3.2 shall be recommended for inclusion in the environmental document and in an adopted mitigation monitoring and reporting program, if determined to avoid or lessen the impact pursuant to Public Resources Code §21082.3, subdivision (b), paragraph 2, and shall be fully enforceable. (Pub. Resources Code §21082.3 (a)).
- 9. Required Consideration of Feasible Mitigation:** If mitigation measures recommended by the staff of the lead agency as a result of the consultation process are not included in the environmental document or if there are no agreed upon mitigation measures at the conclusion of consultation, or if consultation does not occur, and if substantial evidence demonstrates that a project will cause a significant effect to a tribal cultural resource, the lead agency shall consider feasible mitigation pursuant to Public Resources Code §21084.3 (b). (Pub. Resources Code §21082.3 (e)).
- 10. Examples of Mitigation Measures That, If Feasible, May Be Considered to Avoid or Minimize Significant Adverse Impacts to Tribal Cultural Resources:**
- Avoidance and preservation of the resources in place, including, but not limited to:
 - Planning and construction to avoid the resources and protect the cultural and natural context.
 - Planning greenspace, parks, or other open space, to incorporate the resources with culturally appropriate protection and management criteria.
 - Treating the resource with culturally appropriate dignity, taking into account the tribal cultural values and meaning of the resource, including, but not limited to, the following:
 - Protecting the cultural character and integrity of the resource.
 - Protecting the traditional use of the resource.
 - Protecting the confidentiality of the resource.
 - Permanent conservation easements or other interests in real property, with culturally appropriate management criteria for the purposes of preserving or utilizing the resources or places.
 - Protecting the resource. (Pub. Resource Code §21084.3 (b)).
 - Please note that a federally recognized California Native American tribe or a non-federally recognized California Native American tribe that is on the contact list maintained by the NAHC to protect a California prehistoric, archaeological, cultural, spiritual, or ceremonial place may acquire and hold conservation easements if the conservation easement is voluntarily conveyed. (Civ. Code §815.3 (c)).
 - Please note that it is the policy of the state that Native American remains and associated grave artifacts shall be repatriated. (Pub. Resources Code §5097.991).
- 11. Prerequisites for Certifying an Environmental Impact Report or Adopting a Mitigated Negative Declaration or Negative Declaration with a Significant Impact on an Identified Tribal Cultural Resource:** An Environmental Impact Report may not be certified, nor may a mitigated negative declaration or a negative declaration be adopted unless one of the following occurs:
- The consultation process between the tribes and the lead agency has occurred as provided in Public Resources Code §21080.3.1 and §21080.3.2 and concluded pursuant to Public Resources Code §21080.3.2.
 - The tribe that requested consultation failed to provide comments to the lead agency or otherwise failed to engage in the consultation process.
 - The lead agency provided notice of the project to the tribe in compliance with Public Resources Code §21080.3.1 (d) and the tribe failed to request consultation within 30 days. (Pub. Resources Code §21082.3 (d)).

The NAHC's PowerPoint presentation titled, "Tribal Consultation Under AB 52: Requirements and Best Practices" may be found online at: http://nahc.ca.gov/wp-content/uploads/2015/10/AB52TribalConsultation_CalEPAPDF.pdf

SB 18

SB 18 applies to local governments and requires local governments to contact, provide notice to, refer plans to, and consult with tribes prior to the adoption or amendment of a general plan or a specific plan, or the designation of open space. (Gov. Code §65352.3). Local governments should consult the Governor's Office of Planning and Research's "Tribal Consultation Guidelines," which can be found online at: https://www.opr.ca.gov/docs/09_14_05_Updated_Guidelines_922.pdf.

Some of SB 18's provisions include:

1. **Tribal Consultation:** If a local government considers a proposal to adopt or amend a general plan or a specific plan, or to designate open space it is required to contact the appropriate tribes identified by the NAHC by requesting a "Tribal Consultation List." If a tribe, once contacted, requests consultation the local government must consult with the tribe on the plan proposal. **A tribe has 90 days from the date of receipt of notification to request consultation unless a shorter timeframe has been agreed to by the tribe.** (Gov. Code §65352.3 (a)(2)).
2. **No Statutory Time Limit on SB 18 Tribal Consultation.** There is no statutory time limit on SB 18 tribal consultation.
3. **Confidentiality:** Consistent with the guidelines developed and adopted by the Office of Planning and Research pursuant to Gov. Code §65040.2, the city or county shall protect the confidentiality of the information concerning the specific identity, location, character, and use of places, features and objects described in Public Resources Code §5097.9 and §5097.993 that are within the city's or county's jurisdiction. (Gov. Code §65352.3 (b)).
4. **Conclusion of SB 18 Tribal Consultation:** Consultation should be concluded at the point in which:
 - a. The parties to the consultation come to a mutual agreement concerning the appropriate measures for preservation or mitigation; or
 - b. Either the local government or the tribe, acting in good faith and after reasonable effort, concludes that mutual agreement cannot be reached concerning the appropriate measures of preservation or mitigation. (Tribal Consultation Guidelines, Governor's Office of Planning and Research (2005) at p. 18).

Agencies should be aware that neither AB 52 nor SB 18 precludes agencies from initiating tribal consultation with tribes that are traditionally and culturally affiliated with their jurisdictions before the timeframes provided in AB 52 and SB 18. For that reason, we urge you to continue to request Native American Tribal Contact Lists and "Sacred Lands File" searches from the NAHC. The request forms can be found online at: <http://nahc.ca.gov/resources/forms/>.

NAHC Recommendations for Cultural Resources Assessments

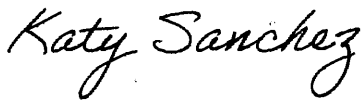
To adequately assess the existence and significance of tribal cultural resources and plan for avoidance, preservation in place, or barring both, mitigation of project-related impacts to tribal cultural resources, the NAHC recommends the following actions:

1. Contact the appropriate regional California Historical Research Information System (CHRIS) Center (http://ohp.parks.ca.gov/?page_id=1068) for an archaeological records search. The records search will determine:
 - a. If part or all of the APE has been previously surveyed for cultural resources.
 - b. If any known cultural resources have already been recorded on or adjacent to the APE.
 - c. If the probability is low, moderate, or high that cultural resources are located in the APE.
 - d. If a survey is required to determine whether previously unrecorded cultural resources are present.
2. If an archaeological inventory survey is required, the final stage is the preparation of a professional report detailing the findings and recommendations of the records search and field survey.
 - a. The final report containing site forms, site significance, and mitigation measures should be submitted immediately to the planning department. All information regarding site locations, Native American human remains, and associated funerary objects should be in a separate confidential addendum and not be made available for public disclosure.
 - b. The final written report should be submitted within 3 months after work has been completed to the appropriate regional CHRIS center.

3. Contact the NAHC for:
 - a. A Sacred Lands File search. Remember that tribes do not always record their sacred sites in the Sacred Lands File, nor are they required to do so. A Sacred Lands File search is not a substitute for consultation with tribes that are traditionally and culturally affiliated with the geographic area of the project's APE.
 - b. A Native American Tribal Consultation List of appropriate tribes for consultation concerning the project site and to assist in planning for avoidance, preservation in place, or, failing both, mitigation measures.
4. Remember that the lack of surface evidence of archaeological resources (including tribal cultural resources) does not preclude their subsurface existence.
 - a. Lead agencies should include in their mitigation and monitoring reporting program plan provisions for the identification and evaluation of inadvertently discovered archaeological resources per Cal. Code Regs., tit. 14, §15064.5(f) (CEQA Guidelines §15064.5(f)). In areas of identified archaeological sensitivity, a certified archaeologist and a culturally affiliated Native American with knowledge of cultural resources should monitor all ground-disturbing activities.
 - b. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the disposition of recovered cultural items that are not burial associated in consultation with culturally affiliated Native Americans.
 - c. Lead agencies should include in their mitigation and monitoring reporting program plans provisions for the treatment and disposition of inadvertently discovered Native American human remains. Health and Safety Code §7050.5, Public Resources Code §5097.98, and Cal. Code Regs., tit. 14, §15064.5, subdivisions (d) and (e) (CEQA Guidelines §15064.5, subds. (d) and (e)) address the processes to be followed in the event of an inadvertent discovery of any Native American human remains and associated grave goods in a location other than a dedicated cemetery.

If you have any questions or need additional information, please contact me at my email address:
Katy.Sanchez@nahc.ca.gov.

Sincerely,



Katy Sanchez
Associate Environmental Planner

cc: State Clearinghouse

APPENDIX B
HOUSING SITES INVENTORY

Antioch	NEROLY RD & COUNTRY HILLS DR, Antioch CA	94509	053-060-056		East Lone Tree Specific Plan Focus Area	S-P	30	35	0.606	VACANT	YES - Planned	NO - Privately-Owned	Available	Not Used in Prior Housing Element	5	3	3	8	19	Anticipated to be rezoned to R-35 by start of planning period		Site Inventory Map number 114
Antioch	NEROLY RD & COUNTRY HILLS DR, Antioch CA	94509	053-060-057		East Lone Tree Specific Plan Focus Area	S-P	30	35	7.219	VACANT	YES - Planned	NO - Privately-Owned	Available	Not Used in Prior Housing Element	66	38	41	106	251	Anticipated to be rezoned to R-35 by start of planning period		Site Inventory Map number 115
Antioch	LONE TREE WAY & COUNTRY HILLS DR, Antioch CA	94509	055-071-106		Business Park	P-D	30	35	3.628	VACANT	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	28	16	17	46	107	Anticipated to be rezoned to R-35 by start of planning period		Site Inventory Map number 116
Antioch	LONE TREE WAY & COUNTRY HILLS DR, Antioch CA	94509	055-071-107		Business Park	P-D	30	35	2.322	VACANT	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	18	10	11	29	68	Anticipated to be rezoned to R-35 by start of planning period		Site Inventory Map number 117
Antioch	LONE TREE WAY & DEER VALLEY RD, Antioch CA	94509	055-071-108		Business Park	P-D	30	35	9.54	VACANT	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	75	43	46	120	284	Anticipated to be rezoned to R-35 by start of planning period		Site Inventory Map number 118
Antioch	LONE TREE WAY & COUNTRY HILLS DR, Antioch CA	94509	055-071-113		Business Park	P-D	12	20	0.96	VACANT	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	0	0	5	5	10	Anticipated to be rezoned to R-20 by start of planning period		Site Inventory Map number 119
Antioch	5200 HEIDORN RANCH RD Antioch CA	94509	056-130-014		Medium Low Density Residential	P-D	30	35	1.95	CHURCH	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	15	8	9	24	56	Anticipated to be rezoned to R-35 by start of planning period	Full site acreage is 5.05 acres but the vacant area of approximately 1.95 acres is reported here and used for the capacity calculation	Site Inventory Map number 120
Antioch	5320 HEIDORN RANCH RD Antioch CA	94509	056-130-011		Medium Low Density Residential	P-D	30	35	5.04	Single Family Residence	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	39	22	24	63	148	Anticipated to be rezoned to R-35 by start of planning period		Site Inventory Map number 121
Antioch	1205 A St Antioch CA	94509	065-071-020		A Street Interchange Focus Area - Residential	C-O	12	20	0.31	Boarded Up Building	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	0	0	1	1	2	Anticipated to be rezoned to R-20 by start of planning period		Site Inventory Map number 122
Antioch	810 WILBUR AVE, Antioch CA	94509	065-110-006		High Density Residential	R-25	30	35	2.86	VACANT	YES - Current	NO - Privately-Owned	Pending Project	Used in Two Consecutive Prior Housing Elements	0	0	0	74	74	Anticipated to be rezoned to R-35 by start of planning period		Site Inventory Map number 123
Antioch	701 WILBUR AVE, Antioch CA	94509	065-110-007		High Density Residential	R-25	30	35	2.5	Single Family Residence	YES - Current	NO - Privately-Owned	Available	Used in Prior Housing Element - Nonvacant	19	11	12	31	73	Anticipated to be rezoned to R-35 by start of planning period		Site Inventory Map number 124
Antioch	301 E 18TH ST Antioch CA	94509	065-161-025		Medium Low Density Residential	C-2	12	20	0.31	Parking Lot	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	0	0	1	1	2	Anticipated to be rezoned to R-20 by start of planning period		Site Inventory Map number 125
Antioch	E 18TH ST & BLOSSOM DR, Antioch, CA	94509	065-262-026		Neighborhood Community Commercial	R-20	0	20	1.3	VACANT	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	0	0	10	10	20			Site Inventory Map number 126
Antioch	1015 E 18TH ST Antioch CA	94509	065-262-035		Medium Low Density Residential	R-20	0	20	0.675	VACANT	YES - Current	YES - City-Owned	Available	Used in Two Consecutive Prior Housing Elements	0	0	5	5	10			Site Inventory Map number 127
Antioch	A ST & PARK LN, Antioch CA	94509	067-093-022		A Street Interchange Focus Area - Commercial and Residential	C-O	0	20	0.32	VACANT	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	0	0	2	2	4	Anticipated to be rezoned to R-20 by start of planning period		Site Inventory Map number 128
Antioch	A ST Antioch CA	94509	067-103-017		A Street Interchange Focus Area - Commercial and Residential	C-O	12	20	1.774	VACANT	YES - Current	NO - Privately-Owned	Available	Used in Two Consecutive Prior Housing Elements	0	0	10	10	20	Anticipated to be rezoned to R-20 by start of planning period		Site Inventory Map number 129
Antioch	1805 CAVALLLO RD, Antioch CA	94509	068-051-015	A	Medium Low Density Residential	R-20	0	20	0.47	VACANT	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	0	0	3	3	6			Site Inventory Map number 130
Antioch	1801 CAVALLLO RD Antioch CA	94509	068-051-049	A	Neighborhood Community Commercial	R-20	0	20	0.47	VACANT	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	0	0	3	3	6			Site Inventory Map number 131
Antioch	504 E 18TH ST, Antioch CA	94509	068-051-050	A	Neighborhood Community Commercial	R-20	0	20	0.088	VACANT	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	0	0	0	0	0			Site Inventory Map number 132
Antioch	TERRACE DR & E 18TH ST, Antioch CA	94509	068-082-057		Neighborhood Community Commercial	C-2	12	20	0.659	VACANT	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	0	0	3	3	6	Anticipated to be rezoned to R-20 by start of planning period		Site Inventory Map number 133
Antioch	2721 WINDSOR DR, Antioch CA	94509	068-252-041	B	Medium Low Density Residential	R-6	30	35	0.934	VACANT	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	12	7	7	19	45	Anticipated to be rezoned to R-35 by start of planning period	Creekside, consolidated site. Realistic capacity calculations assumed developable acreage of 1.57 across all four sites (instead of 2.591 gross acres).	Site Inventory Map number 134
Antioch	WINDSOR DR & IGLESIA CT, Antioch CA	94509	068-252-042	B	Medium Low Density Residential	R-6	30	35	0.088	VACANT	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	0	0	0	0	0	Anticipated to be rezoned to R-35 by start of planning period	Creekside, consolidated site. Realistic capacity calculations assumed developable acreage of 1.57 across all four sites (instead of 2.591 gross acres). Capacity included in first entry for Consolidated Site B.	Site Inventory Map number 135
Antioch	WINDSOR DR & IGLESIA CT, Antioch CA	94509	068-252-043	B	Medium Low Density Residential	R-6	30	35	0.842	VACANT	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	0	0	0	0	0	Anticipated to be rezoned to R-35 by start of planning period	Creekside, consolidated site. Realistic capacity calculations assumed developable acreage of 1.57 across all four sites (instead of 2.591 gross acres). Capacity included in first entry for Consolidated Site B.	Site Inventory Map number 136
Antioch	2709 WINDSOR DR, Antioch CA	94509	068-252-045	B	Medium Low Density Residential	R-6	30	35	0.727	VACANT	YES - Current	NO - Privately-Owned	Available	Used in Two Consecutive Prior Housing Elements	0	0	0	0	0	Anticipated to be rezoned to R-35 by start of planning period	Creekside, consolidated site. Realistic capacity calculations assumed developable acreage of 1.57 across all four sites (instead of 2.591 gross acres). Capacity included in first entry for Consolidated Site B.	Site Inventory Map number 137
Antioch	3351 CONTRA LOMA BLVD, Antioch CA	94509	071-370-026		Public/Institutional	R-6	0	20	1	CHURCH	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	0	0	8	8	16	Anticipated to be rezoned to R-20 by start of planning period	Church with gross acreage of 8.045 acres. Used 1 acreage for capacity calculation based on the vacant land where housing would be developed	Site Inventory Map number 138
Antioch	CACHE PEAK DR & GOLF COURSE RD, Antioch CA	94531	072-400-036	C	Convenience Commercial	P-D	30	35	2.01	VACANT	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	15	9	9	25	58	Anticipated to be rezoned to R-35 by start of planning period		Site Inventory Map number 139
Antioch	4655 GOLF COURSE RD, Antioch CA	94531	072-400-039	C	Convenience Commercial	P-D	30	35	2	House	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	15	9	9	25	58	Anticipated to be rezoned to R-35 by start of planning period		Site Inventory Map number 140
Antioch	CACHE PEAK DR & GOLF COURSE RD, Antioch CA	94531	072-400-040	C	Convenience Commercial	P-D	30	35	0.212	VACANT	YES - Current	YES - City-Owned	Available	Not Used in Prior Housing Element	0	0	3	3	6	Anticipated to be rezoned to R-35 by start of planning period		Site Inventory Map number 141
Antioch	DALLAS RANCH RD, Antioch CA	94509	072-450-013		Office	P-D	30	35	1.5	VACANT	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	11	6	7	19	43	Anticipated to be rezoned to R-35 by start of planning period		Site Inventory Map number 142
Antioch	DELTA FAIR BLVD & BELLE DR, Antioch CA	94509	074-080-026		High Density Residential	R-35	30	35	12.262	Solar Panels	YES - Current	YES - Other-Publicly-Owned	Available	Used in Prior Housing Element - Nonvacant	96	55	60	155	366			Site Inventory Map number 143
Antioch	DELTA FAIR BLVD & E LELAND RD, Antioch CA	94565	074-080-028		High Density Residential	R-35	30	35	0.494	VACANT	YES - Current	YES - City-Owned	Available	Not Used in Prior Housing Element	0	0	7	7	14			Site Inventory Map number 144
Antioch	DELTA FAIR BLVD, Antioch CA	94509	074-080-029		High Density Residential	R-35	30	35	1.117	Billboard	YES - Current	YES - City-Owned	Available	Not Used in Prior Housing Element	8	5	5	14	32			Site Inventory Map number 145
Antioch	DELTA FAIR BLVD, Antioch CA	94565	074-080-030		High Density Residential	R-35	30	35	5.5	VACANT	YES - Current	YES - City-Owned	Available	Not Used in Prior Housing Element	43	24	26	69	162			Site Inventory Map number 146
Antioch	DELTA FAIR BLVD, Antioch CA	94509	074-122-016		Western Antioch Commerical Focus Area - Regional Commercial	C-3	0	20	0.6	VACANT	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	0	0	4	4	8	Anticipated to be rezoned to R-20 by start of planning period		Site Inventory Map number 147
Antioch	DELTA FAIR BLVD & FAIRVIEW DR, Antioch CA	94509	074-123-004		Western Antioch Commerical Focus Area - Regional Commercial	C-3	30	35	1.75	VACANT	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	13	7	8	22	50	Anticipated to be rezoned to R-35 by start of planning period		Site Inventory Map number 148
Antioch	FAIRVIEW DR, Antioch CA	94509	074-123-005		Western Antioch Commerical Focus Area - Regional Commercial	C-3	30	35	1.45	VACANT	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	11	6	7	18	42	Anticipated to be rezoned to R-35 by start of planning period		Site Inventory Map number 149
Antioch	2100 L ST, Antioch CA	94509	074-343-034		Convenience Commercial	C-1	12	20	1.5	VACANT	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	0	0	9	9	18	Anticipated to be rezoned to R-20 by start of planning period		Site Inventory Map number 150
Antioch	JAMES DONLON BLVD & CONTRA LOMA, Antioch CA	94509	075-460-001		Office	C-1	20	25	3.13	VACANT	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	0	0	31	31	62	Anticipated to be rezoned to R-25 by start of planning period		Site Inventory Map number 151
Antioch	SOMERSVILLE RD & BUCHANAN RD, Antioch CA	94509	076-010-039		Western Antioch Commerical Focus Area - Regional Commercial	R-20	0	20	4.77	VACANT	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	0	0	38	38	76			Site Inventory Map number 152
Antioch	4325 BERRYESSA CT Antioch CA	94509	052-061-053		Low Density Residential	P-D	30	35	6	RANCHETT	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	39	22	24	63	148	Anticipated to be rezoned to R-35 by start of planning period	5 acres used to calculate capacity large easements on this site	Site Inventory Map number 153
Antioch	3195 CONTRA LOMA BLVD Antioch CA	94509	071-130-026		High Density Residential	R-20	30	35	4.31	CHURCH	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	22	13	14	36	85	Anticipated to be rezoned to R-35 by start of planning period	2.9 acres used to calculate the capacity since housing would only develop on the vacant part of the site and not where the church currently exists	Site Inventory Map number 154

Antioch	620 E TREGALLAS RD Antioch, CA	94509	068-251-012		High Density Residential	R-25	30	35	2.51	CHURCH	YES - Current	NO - Privately-Owned	Available	Used in Prior Housing Element - Nonvacant	6	3	4	10	23	Anticipated to be rezoned to R-35 by start of planning period	0.86 acres used to calculate the capacity since housing would only develop on the vacant part of the site and not where the church currently exists	Site Inventory Map number 155
Antioch	4215 HILLCREST AVE Antioch CA	94509	052-061-014		Open Space	S	30	35	0.998	House	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	7	4	4	12	27	Anticipated to be rezoned to R-35 by start of planning period		Site Inventory Map number 156
Antioch	4201 HILLCREST AVE Antioch CA	94509	052-042-037		Open Space	R-6	30	35	4.39	Single Family Residence	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	34	19	21	55	129	Anticipated to be rezoned to R-35 by start of planning period		Site Inventory Map number 157
Antioch	WILDFLOWER DRIVE	94531	052-140-013		Mixed Use	P-D	20	25	4.18	Vacant	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	0	0	41	41	82	Anticipated to be rezoned to R-25 by start of planning period		Site Inventory Map number 158
Antioch	WILDFLOWER DRIVE	94531	052-140-014		Mixed Use	P-D	20	25	3.95	Vacant	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	0	0	39	39	78	Anticipated to be rezoned to R-25 by start of planning period		Site Inventory Map number 159
Antioch	WILDFLOWER DRIVE	94531	052-140-015		Mixed Use	P-D	20	25	0.91	Vacant	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	0	0	9	9	18	Anticipated to be rezoned to R-25 by start of planning period		Site Inventory Map number 160
Antioch	WILDFLOWER DRIVE	94531	052-140-016		Mixed Use	P-D	20	25	1.31	Vacant	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	0	0	13	13	26	Anticipated to be rezoned to R-25 by start of planning period		Site Inventory Map number 161
Antioch	2721 EMPIRE AVE	94513	056-120-096		East Lone Tree Focus Area	P-D	30	35	3.3	Single Family Residence	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	25	14	16	41	96	Anticipated to be rezoned to R-25 by start of planning period		Site Inventory Map number 162
Antioch	3950 LONE TREE WAY	94509	072-011-052		Medium Density Residential	P-D/S-H	30	35	9.22	Senior Living Facility	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	33	19	20	53	125	Anticipated to be rezoned to R-35 by start of planning period	4.2 acres used to calculate the capacity since housing would only develop on the vacant part of the site and not where the senior facility currently exists. Lot has already been subdivided but is not yet recorded	Site Inventory Map number 163
Antioch	3415 OAKLEY RD	94509	051-200-065		Public/Institutional	P-D	30	35	9.233	Church	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	31	18	19	50	118	Anticipated to be rezoned to R-35 by start of planning period	4.0 acres used to calculate the capacity since housing would only develop on the vacant part of the site and not where the church currently exists	Site Inventory Map number 164
Antioch	1018 E 18TH ST	94509	068-091-043		Neighborhood Community Commercial	R-6	30	35	0.84	Single-family House	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	6	3	4	10	23	Anticipated to be rezoned to R-35 by start of planning period		Site Inventory Map number 165
Antioch	1919 BUCHANAN RD	94509	076-231-007		Public/Institutional	P-D	30	35	3.27	Church	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	11	6	7	19	43	Anticipated to be rezoned to R-35 by start of planning period	1.5 acres used to calculate the capacity since housing would only develop on the vacant part of the site and not where the church currently exists	Site Inventory Map number 166
Antioch	APOLLO CT	94509	065-122-023	F	Eastern Waterfront Employment Focus Area - Business Park	PBC/Cannabis Overl	30	35	1.6	Vacant	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	12	7	7	20	46	Anticipated to be rezoned to R-35 by start of planning period		Site Inventory Map number 167
Antioch	APOLLO CT	94509	061-122-029	F	Eastern Waterfront Employment Focus Area - Business Park	PBC/Cannabis Overl	30	35	1.7	Vacant	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	13	7	8	21	49	Anticipated to be rezoned to R-35 by start of planning period		Site Inventory Map number 168
Antioch	APOLLO CT	94509	061-122-030	F	Eastern Waterfront Employment Focus Area - Business Park	PBC/Cannabis Overl	30	35	2.1	Vacant	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	16	9	10	26	61	Anticipated to be rezoned to R-35 by start of planning period		Site Inventory Map number 169
Antioch	APOLLO CT	94509	061-122-028	F	Eastern Waterfront Employment Focus Area - Business Park	PBC/Cannabis Overl	30	35	0.6	Vacant	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	4	2	2	7	15	Anticipated to be rezoned to R-35 by start of planning period		Site Inventory Map number 170
Antioch	HILLCREST AVE	94531	052-370-009		Office	P-D	30	35	2.13	Vacant	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	16	9	10	27	62	Anticipated to be rezoned to R-35 by start of planning period		Site Inventory Map number 171
Antioch	3301 JESSICA CT	94509	051-390-006	G	Medium Density Residential	P-D	30	35	0.2	Vacant	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	23	13	14	37	87	Anticipated to be rezoned to R-35 by start of planning period	Capacity calculation for consolidated site includes all Jessica Court sites below	Site Inventory Map number 172
Antioch	3305 JESSICA CT	94509	051-390-005	G	Medium Density Residential	P-D	30	35	0.2	Vacant	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	0	0	0	0	0	Anticipated to be rezoned to R-35 by start of planning period		Site Inventory Map number 173
Antioch	3309 JESSICA CT	94509	051-390-004	G	Medium Density Residential	P-D	30	35	0.22	Vacant	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	0	0	0	0	0	Anticipated to be rezoned to R-35 by start of planning period		Site Inventory Map number 174
Antioch	3313 JESSICA CT	94509	051-390-003	G	Medium Density Residential	P-D	30	35	0.13	Vacant	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	0	0	0	0	0	Anticipated to be rezoned to R-35 by start of planning period		Site Inventory Map number 175
Antioch	3317 JESSICA CT	94509	051-390-002	G	Medium Density Residential	P-D	30	35	0.14	Vacant	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	0	0	0	0	0	Anticipated to be rezoned to R-35 by start of planning period		Site Inventory Map number 176
Antioch	3321 JESSICA CT	94509	051-390-001	G	Medium Density Residential	P-D	30	35	0.76	Shed	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	0	0	0	0	0	Anticipated to be rezoned to R-35 by start of planning period		Site Inventory Map number 177
Antioch	3325 JESSICA CT	94509	051-390-016	G	Medium Density Residential	P-D	30	35	0.17	Vacant	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	0	0	0	0	0	Anticipated to be rezoned to R-35 by start of planning period		Site Inventory Map number 178
Antioch	3329 JESSICA CT	94509	051-390-011	G	Medium Density Residential	P-D	30	35	0.17	Vacant	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	0	0	0	0	0	Anticipated to be rezoned to R-35 by start of planning period		Site Inventory Map number 179
Antioch	3333 JESSICA CT	94509	051-390-010	G	Medium Density Residential	P-D	30	35	0.16	Vacant	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	0	0	0	0	0	Anticipated to be rezoned to R-35 by start of planning period		Site Inventory Map number 180
Antioch	3345 OAKLEY RD	94509	051-390-009	G	Medium Density Residential	P-D	30	35	0.2	Vacant	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	0	0	0	0	0	Anticipated to be rezoned to R-35 by start of planning period		Site Inventory Map number 181
Antioch	Jessica Court Roundabout	94509	--	G	--	P-D	30	35	0.63	Vacant	YES - Current	NO - Privately-Owned	Available	Not Used in Prior Housing Element	0	0	0	0	0	Anticipated to be rezoned to R-35 by start of planning period		Site Inventory Map number 182

APPENDIX C
**CULTURAL AND TRIBAL RESOURCES TECHNICAL REPORT AND BACKGROUND
INFORMATION**

a. Previous Cultural Resource Studies**PREVIOUS CULTURAL RESOURCES STUDIES**

Report No. (S-)	Author(s)	Title	Year	Distance (miles) from Project Area
000401	Katherine Flynn	Parcel "A"/Al Del Favero Development, Antioch, California (letter report)	1976	Within
000401a	Katherine Flynn	Parcel "B"/Del Favero development, Antioch, California (letter report)	1976	Within
000595	R.F. King	A Report on the Status of Generally Available Data Regarding Archaeological, Ethnographic, and Historical Resources Within a Five Mile Wide Corridor Through Portions of Colusa, Yolo, Solano, and Contra Costa Counties, California	1974	Within
000848	David A. Fredrickson	A Summary of Knowledge of the Central and Northern California Coastal Zone and Offshore Areas, Vol. III, Socioeconomic Conditions, Chapter 7: Historical & Archaeological Resources	1976	Within
001091	Mara Melandry	Cultural Resources Survey, 04-CC-84, Proposed Fishing Pier and Riverside Park, PM 11.1/11.6, Contra Costa County, 04209 - 398691	1978	Within
001320	Katherine Flynn	Archaeological Reconnaissance of a 60-acre parcel located on Lone Tree Drive, City of Antioch, Contra Costa County (ARS 78-108). (letter report)	1978	Within
001395	Chester King	Archaeological Investigations of Two Archaeological Sites (CA-CCO-385 & CA-CCO-386) On A 60 Acre Parcel Located on Lone Tree Drive, City of Antioch	1979	Within
001418	Katherine Flynn	An Archaeological Reconnaissance of a proposed park site situated in Northwestern Antioch (ARS 78-138) (letter report)	1978	Within
001451	David Chavez	Cultural Resources Evaluation of the Hillcrest Development Location in the City of Antioch (letter report)	1979	Within
001485	Paul E. Amaroli	An Archaeological Reconnaissance of 11.82 Acres Near Antioch, Contra Costa County, California	1979	Within
001590	Katherine Flynn	Archaeological reconnaissance of 3.29+ acre Subdivision 5286, Morrell property, Wilbur and Marie Avenues, Antioch, California (ARS 79-27) (letter report)	1979	Within
001664	Michael J. Baldrice	A Report on the Archaeological Investigation of the Prewett and Dallas Property, Located Southeast of the Intersection of Somersville and Corto Roads, Antioch, Contra Costa County, California	1979	Within
001978	Anthony V. Aiello	The Islands of Contra Costa	1960	Within

PREVIOUS CULTURAL RESOURCES STUDIES

Report No. (S-)	Author(s)	Title	Year	Distance (miles) from Project Area
002025	Miley P. Holman	An archaeological field reconnaissance on an approximately 216 acre parcel (letter report)	1980	Within
002068	Miley P. Holman	An Archaeological Reconnaissance of the Proposed Development Area for the North Side of Antioch (letter report)	1979	Within
002235	Christian Gerike	Archaeological Reconnaissance of a 27.5 acre parcel in the City of Antioch, Contra Costa County, General Plan Amendment (AGP-80-18) (letter report)	1980	Within
002458	Neil Ramiller, Suzanne Ramiller, Roger Werner, and Suzanne Stewart	Overview of Prehistoric Archaeology for the Northwest Region, California Archaeological Sites Survey: Del Norte, Humboldt, Mendocino, Lake, Sonoma, Napa, Marin, Contra Costa, Alameda	1981	Within
002458a	Suzanne Ramiller	Prehistoric Archaeology Overview Northwest Region; California Archaeological Inventory, Volume I: Humboldt and Del Norte Counties	1982	Within
002458b	Roger H. Werner	Archaeological Overview of Mendocino and Lake Counties	1982	Within
002458c	Suzanne Stewart	Prehistoric Archaeology Overview Northwest Region; California Archaeological Inventory, Volume 3: Napa and Sonoma Counties	1982	Within
002458d	Suzanne B. Stewart	Archaeological Overview of Alameda, Contra Costa, and Marin Counties	1982	Within
002458e	Neil Ramiller	Environmental Overview of the Northwest Region	1982	Within
002536	Katherine Flynn	Archaeological reconnaissance of "Arata property", Somersville Road, Contra Costa County (letter report)	1981	Within
002826	David Chavez	Cultural Resources Evaluation for the Rodgers Point Marina Project EIR, City of Antioch, Contra Costa County, California	1981	Within
002827	David Chavez	Subsurface Archaeological Resources Investigations for the Rodgers Point Marina Project, City of Antioch, Contra Costa County, California, Phase I: Auguring Program	1981	Within
002970	Mara Melandry	Archaeological Survey Report for Excess Parcels on Route 4 near Antioch, Contra Costa County, 04-CC-4 P.M. 30.6X 04452-154302, Parcels 21994-1 and 21	1981	Within
005208	Gregory Greenway and William E. Soule	Sacramento-San Joaquin Delta Investigations: Cultural Resources Reconnaissance	1977	Within

PREVIOUS CULTURAL RESOURCES STUDIES

Report No. (S-)	Author(s)	Title	Year	Distance (miles) from Project Area
005798	Peter Banks	An Investigation of the Cultural Resources within the Antioch Marina Park, Antioch, Contra Costa County, California	1983	Within
006113		Class II Archaeological Survey, San Luis Drain and Alternatives, Central Valley Project, San Luis Unit, California, 1983	1983	Within
006132	Miley Paul Holman	Recommendations for the mitigation of prehistoric and historic resources within the Arata Ranch property south of Antioch, Contra Costa County, California (letter report)	1983	Within
006927	Suzanne Baker	Archaeological Reconnaissance of the Horse Valley Estates, Contra Costa County, California	1984	Within
007133		S & J Investments Company, East Contra Costa Sanitary Landfill, Contra Costa County, California. Technical Report G, Cultural Resources	1985	Within
007133a	Suzanne B. Stewart	Cultural Resources Review, East Contra Costa County Sanitary Landfill Project, South of Antioch, Contra Costa County, California	1985	Within
007386	David Chavez	Cultural Resources Evaluation for the Delta Landing EIR/EIS, Antioch, Contra Costa County, California	1985	Within
007983	Janet Pape	An Archaeological Survey of Williamson/Shannon Homestead, Antioch, Contra Costa County, California	1986	Within
008020	Miley Paul Holman	Oakley Area General Plan Update: Cultural Resources Evaluation (letter report)	1985	Within
008178	David Chavez	Archaeological Resources Evaluation for the Hillcrest Avenue Bridge Reconstruction and Widening Project (letter report)	1986	Within
008832	Roger H. Werner	Cultural Resource Survey of the Proposed Bare IV Site, East of Antioch in Contra Costa County, California	1986	Within
008914	Miley Paul Holman	Archaeological Field Inspection of the Nelson Ranch Development Area, Antioch, Contra Costa County, California (letter report)	1986	Within
009054	Polly McW. Quick	An archaeological survey of the Village Creek Apartments property in Antioch (letter report)	1987	Within
009214	Richard D. Ambro	An Archaeological Reconnaissance of the Baker Property (170 Acres), Between Pittsburg and Antioch, Contra Costa County, California	1987	Within

PREVIOUS CULTURAL RESOURCES STUDIES

Report No. (S-)	Author(s)	Title	Year	Distance (miles) from Project Area
009462	Teresa Ann Miller	Identification and Recording of Prehistoric Petroglyphs in Marin and Related Bay Area Counties	1977	Within
009583	David W. Mayfield	Ecology of the Pre-Spanish San Francisco Bay Area	1978	Within
009776	David Chavez	Parcels "A" and "B", North American Development Corporation (letter report)	1988	Within
009795	Thomas Lynn Jackson	Late Prehistoric Obsidian Exchange in Central California	1986	Within
010040	Allan Bramlette, Mary Praetzellis, Adrian Praetzellis, and David A. Fredrickson	Archaeological and Historical Resources Within the Los Vaqueros/Kellogg Study Area, Contra Costa and Alameda Counties, California	1988	Within
010040a	Allan G. Bramlette, Mary Praetzellis, Adrian Praetzellis, Katherine M. Dowdall, Patrick Brunmeier, and David A. Fredrickson	Archaeological Resources Inventory for Los Vaqueros Water Conveyance Alignments, Contra Costa County, California	1991	Within
010268	David Chavez and Sally B. Woodbridge	Cultural Resources Evaluations for the Pittsburgh-Antioch Alternatives Analysis, Contra Costa County, California	1988	Within
010413	David Chavez	Cultural Resources Investigations for the Contra Costa Water District Treatment Plant Project, Contra Costa County, California	1988	Within
010468	Miley Paul Holman	Antioch Sports Complex Archaeological Report, Contra Costa County, California (letter report)	1988	Within
010508	G. James West	Class II Archaeological Survey, Kellogg Unit Reformulation, Contra Costa County, California	1982	Within
010509	Peter M. Jensen, Alfred Farber, and Neal Neuenschwander	Class III Intensive Archaeological Field Reconnaissance of the Kellogg Reformulation Unit, Highline Canal Alternative, Contra Costa and Alameda Counties	1986	Within
011385	Suzanne Baker and Michael Smith	Archaeological Reconnaissance of the Highway 4 Widening Project Near Oakley, Contra Costa County, California	1990	Within

PREVIOUS CULTURAL RESOURCES STUDIES

Report No. (S-)	Author(s)	Title	Year	Distance (miles) from Project Area
011826	Dorothea J. Theodoratus, Mary Pyle Peters, Clinton M. Blount, Pamela J. McGuire, Richard D. Ambro, Michael Crist, Billy J. Peck, and Myrna Saxe	Montezuma I and II Cultural Resources	1980	Within
012790	Kenneth N. Owens	Sacramento-San Joaquin Delta, California: Historical Resources Overview	1991	Within
013420		Cultural Resources Assessment Report for Lone Tree Valley Feasibility Study, Contra Costa County, California	1990	Within
013797	Miley Paul Holman	Archaeological Field Inspection of the APC Project Area, Antioch, Contra Costa County, California (letter report)	1991	Within
014382	Angela M. Banet	Archaeological Survey Report, removal of underground fuel tanks at the Caltrans Antioch Maintenance Station, 04-CCO-4 P.M. 28.9, E.A. 207740	1992	Within
015529	Robert L. Gearhart II, Clell L. Bond, Steven D. Hoyt, James H. Cleland, James Anderson, Pandora Snethcamp, Gary Wesson, Jack Neville, Kim Marcus, Andrew York, and Jerry Wilson	California, Oregon, and Washington: Archaeological Resource Study	1993	Within
016205	Barry Price	Archaeological Survey, Proposed Antioch Concrete Coating Yard (letter report)	1992	Within
016377	Ann Samuelson, Carolyn Rice, Carrie Wills, and William Self	Archaeological Survey and Testing Report, Sand Creek Flood Detention Basin Project, Contra Costa County, California	1994	Within
016660	Jeffrey B. Fentress	Prehistoric Rock Art of Alameda and Contra Costa Counties, California	1992	Within
016916	Ann Samuelson, Carolyn Rice, and William Self	Archaeological Survey Report, Future Urban Area 1, Antioch, Contra Costa County, California	1994	Within

PREVIOUS CULTURAL RESOURCES STUDIES

Report No. (S-)	Author(s)	Title	Year	Distance (miles) from Project Area
016917	Carolyn Rice, Ann Samuelson, and William Self	Archaeological Survey Report, Future Urban Area 2, Antioch, Contra Costa County, California	1994	Within
017773	Angela M. Banet	Contract 04E634-EP, Task Order #9, Historic Map Review for CALTRANS Maintenance Facilities (letter report)	1992	Within
017835	Judy Myers Suchey	Biological Distance of Prehistoric Central California Populations Derived from Non-Metric Traits of the Cranium	1975	Within
017993	Brian Hatoff, Barb Voss, Sharon Waechter, Stephen Wee, and Vance Bente	Cultural Resources Inventory Report for the Proposed Mojave Northward Expansion Project	1995	Within
017993a		Proposed Mojave Northward Expansion Project: Appendix A - Native American Consultation	1995	Within
017993b		Proposed Mojave Northward Expansion Project: Appendix B - Looping Segments - Class 1	1995	Within
017993c		Proposed Mojave Northward Expansion Project: Appendix C -Monitoring and Emergency Discovery Plan	1995	Within
017993d		Proposed Mojave Northward Expansion Project: Appendix D - General Construction Information	1995	Within
017993e		Proposed Mojave Northward Expansion Project: Appendix E - Archaeological Site Records	1995	Within
017993f		Proposed Mojave Northward Expansion Project: Appendix F - Historic Features Evaluation Forms	1995	Within
017993g		Proposed Mojave Northward Expansion Project: Appendix G - Railroad Crossing Evaluation Forms	1995	Within
017993h		Proposed Mojave Northward Expansion Project: Appendix H - Crossing Diagrams and Plan View Maps	1995	Within
017993i		Proposed Mojave Northward Expansion Project: Appendix I - Railroad Depot NRHP Nomination Forms and Related Records	1995	Within
017993j		Proposed Mojave Northward Expansion Project: Appendix J - Looping Segment and Compressor Station Site Records	1995	Within
017993k		Proposed Mojave Northward Expansion Project: Appendix K - Historic Site Records / Isolate Forms	1995	Within

PREVIOUS CULTURAL RESOURCES STUDIES

Report No. (S-)	Author(s)	Title	Year	Distance (miles) from Project Area
017993l		Proposed Mojave Northward Expansion Project: Appendix L - Photodocumentation	1995	Within
017993m		Proposed Mojave Northward Expansion Project: Appendix M - Curricula Vitae of Key Preparers	1995	Within
018187	Jack Meyer and David A. Fredrickson	Results of a Subsurface Archaeological Survey of the Proposed Los Vaqueros and Transfer Pipeline Routes, Los Vaqueros Project, Contra Costa County, California	1996	Within
018217	Glenn Gmoser	Cultural Resource Evaluations for the Caltrans District 04 Phase 2 Seismic Retrofit Program, Status Report	1996	Within
018250		Evaluation, Request for Determination of Eligibility, and Effect for the Los Vaqueros Project, Alameda and Contra Costa Counties, California	1992	Within
018250a	Steade R. Craigo	BUR910227A2; Request for Determination of Eligibility and Effect for the Los Vaqueros Project, Contra Costa County (Cultural Resources)	1992	Within
018352		East/Central Contra Costa County Wastewater Management Plan, California: Cultural Resources Survey	1976	Within
018352a	Adam Cvijanovic and Larry Aull	Assessment of Historical and Architectural Resources	1976	Within
018352b	Colin I. Busby	Assessment of Archaeological Resources: East/Central Contra Costa County Wastewater Management Plan	1976	Within
018440	G. James West and Patrick Welch	Class II Archaeological Survey of the Contra Costa Canal, Contra Costa County, California	1996	Within
018557		Cultural Resources Investigation for the Proposed City of Brentwood Interim Water Supply Program, Contra Costa County, California	1996	Within
018641	Jack Meyer	Geoarchaeological Implications of Holocene Landscape Evolution in the Los Vaqueros Area of Eastern Contra Costa County, California	1996	Within
018889	William Self	Archaeological Survey of West Antioch Storm Drain Project at Highway 4, Antioch, Contra Costa County, Ca. (letter report)	1996	Within
019018	James M. Allan, Carrie D. Wills, and William Self	Archaeological Survey, Testing and Data Recovery, West Antioch Creek Storm Drain Project, Contra Costa County, California	1997	Within
020218	William Self	Archaeological Survey of Proposed Williamson Ranch Plaza, Antioch, Contra Costa County, CA. (letter report)	1998	Within

PREVIOUS CULTURAL RESOURCES STUDIES

Report No. (S-)	Author(s)	Title	Year	Distance (miles) from Project Area
020395	Donna L. Gillette	PCNs of the Coast Ranges of California: Religious Expression or the Result of Quarrying?	1998	Within
020481	Carrie D. Wills	Cultural Resources Assessment, Roddy Ranch Golf Course Project, Antioch, Contra Costa County, California	1998	Within
020635		Cultural Resources Assessment Report, Horse Valley and Adjoining Lands, Contra Costa County, California	1998	Within
021181	Colin I. Busby	Cultural Resources Assessment- Proposed Housing Site, Between West 7th and 9th Streets and I Street, City of Antioch, Contra Costa County, California (letter report)	1997	Within
022072	William Self	Archaeological Survey, SR4 East near Somersville Road, Antioch, California (letter report)	1999	Within
022464		Cultural Resource Inventory Report for the Williams Communications, Inc. Fiber Optic Cable System Installation Project, Pittsburg to Sacramento, California	1999	Within
022812	Colin I. Busby	Contra Costa County Water Multipurpose Pipeline Project, Environmental Documentation Study, Cultural Resources Review (letter report)	1997	Within
023349	Allen G. Pastron	Archival Literature Search and On-Site Archaeological Surface Reconnaissance of an Approximately 20 Acre Parcel of Land, Located Near the Intersection of Dallas Ranch Road and Mount Hamilton Drive, City of Antioch, Contra Costa County, California	1994	Within
023656	William Self	Archaeological Survey and Assessment of Harris Family Ranch (APN 007-010-031), Contra Costa County, California (letter report)	2001	Within
023659	William Self	Archaeological Survey of Contra Costa Landfill East Parcel, Antioch, Contra Costa County, Ca. (letter report)	2000	Within
023665	Fredric L. Quivik	Determination of Eligibility for the Contra Costa Power Plant	2000	Within

PREVIOUS CULTURAL RESOURCES STUDIES

Report No. (S-)	Author(s)	Title	Year	Distance (miles) from Project Area
023674	Michael J. Moratto, Richard M. Pettigrew, Barry A. Price, Lester A. Ross, Randall F. Schalk, Rick Atwell, Andrew Bailey, Gary Bowyer, Robert U. Bryson, Tim Canaday, Dianne Gardner, William Hildebrandt, Kurt T. Katsura, Clayton G. Lebow, Pat Mikkelsen, Scott Mumma, Lynda Sekora, Nancy D. Sharp, Craig Skinner, Lou Ann Speulda, Sharon Waechter, and Judith A. Willig	Archaeological Investigations, PGT-PG&E Pipeline Expansion Project, Idaho, Washington, Oregon, and California: Volume 1 Project Overview, Research Design and Archaeological Inventory	1994	Within
023674a	William R. Hildebrandt, Patrica J. Mikkelsen, Amy G. Gilreath, Sharon A. Waechter, John E. Berg, Paul D. Bouey, C. Kristina Roper, Randall T. Milliken, Ricky G. Atwell, Andrew J. Bailey, Kelly McGuire, Clayton G. Lebow, Kurt T. Katsura, and Jill Onken	Volume IIC, Book 1 and 2 Summary Reports: Prehistoric Sites, California	1995	Within

PREVIOUS CULTURAL RESOURCES STUDIES

Report No. (S-)	Author(s)	Title	Year	Distance (miles) from Project Area
023674b	Gary C. Bowyer, Lou Ann Speulda, Lynda J. Sekora, Lester A. Ross, Andrew J. Bailey, David Conca, Fred Crisson, David De Vries, Charles M. Hodges, Michael Ostrogorsky, Nancy Renk, and David G. Weatherby	Volume III Summary Reports: Historic Sites, Archaeological Investigations, PGT- PG&E Pipeline Expansion Project, Idaho, Washington, Oregon, and California	1995	Within
023674c	Ricky G. Atwell, William R. Hildebrant, Clayton G. Lebow, Patricia Mikkelsen, Michael J. Moratto, Richard M. Pettigrew, Lester A. Ross, Randall F. Schalk, Lynda J. Sekora, Lou Ann Speulda, Gary C. Bowyer, Charles M. Hodges, Deborah Jones, Michael Ostrogorsky, and Nancy D. Sharp	Volume IV Synthesis of Findings: Archaeological Investigations, PGT- PG&E Pipeline Expansion Project, Idaho, Washington, Orgeon, and California	1995	Within

PREVIOUS CULTURAL RESOURCES STUDIES

Report No. (S-)	Author(s)	Title	Year	Distance (miles) from Project Area
023674d	Robert U. Bryson, Craig E. Skinner, Richard M. Pettigrew, Kenneth R. Bethard, Gary C. Bowyer, Catherine S. Fowler, Amy J. Gilreath, Douglas R. Harro, Williams R. Hildebrandt, Sally Ishikawa, Patricia Mikkelsen, Janet M. Mitchell, Michael J. Moratto, Scott Mumma, Margaret Newman, Kathryn Puseman, Matthen J. Root, Linda Scott-Cummings, Nancy D. Sharp, Nancy A. Stenholm, Gerald Upshaw, Philip R. Watson, and Eric Wohlgemuth	Volume V Technical Studies: Archaeological Investigations, PGT-P&E Pipeline Expansion Project, Idaho, Washington, Oregon, and California	1995	Within
023674e	Richard M. Pettigrew, Sandra Barnes, Janet M. Mitchell, Patricia Mikkelsen, and William Hildebrandt	Volume V Technical Studies Appendices Book 1-3: Archaeological Investigations, PGT- PG&E Pipeline Expansion Project, Idaho, Washington, Oregon, and California	1995	Within
023674f	Sharon Waechter*, Jill Onken**, Amy Gilreath*, Paul D. Bouey*, Eric Wohlgemuth*, and Nancy D. Sharp**	37.0 Site CA-CCO-368	1994	Within

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Report No. (S-)	Author(s)	Title	Year	Distance (miles) from Project Area
023674g	C.Kristina Roper and Barry A. Price	36.0 Site CA-SOL-348	1992	Within
024015	Shahira Ashkar	Cultural Resource Inventory Report for the Montezuma Enhancement Site, Southern Energy's Multispecies Habitat Conservation Plan for Pittsburg and Contra Costa Power Plants, Solano and Contra Costa Counties, California	2001	Within
024322	Sally Morgan and Bruce Bachand	Pittsburg District Energy Facility, Cultural Resources Technical Report (Appendix K)	1998	Within
024322a	Sally Morgan and Bruce Bachand	Pittsburg District Energy Facility, Cultural Resources Technical Report (Supplement to Appendix K)	1998	Within
024322b		Pittsburg District Energy Facility Cultural Resources, Technical Report Addendum 1, Appendix K (Additional Construction Laydown Area)	2000	Within
024466	Sandra Amaglio	Contra Costa County Public Works Department, Antioch Creek Flood Control Channel Realignment and Enlargement Project, FEMA-1203-DR-CA, DSR #96481 (letter report)	2001	Within
024466a	Knox Mellon and Sandro Amaglio	CCO County, Antioch Creek Flood Control Channel Realignment, CCO CO, FEMA 1203-DR-CA, DSR 96481	2001	Within
024568	Carolyn Losee	Record Search for Sprint PCS "Lone Tree Deer Valley" (Ref# SF33XC760D): Negative Results	2001	Within
025002	Colin I. Busby and Robert Harmon	Cultural Resources Assessment, Arco Products Company Property, Lone Tree Way and Empire Avenue, 6401 Lone Tree Way (APN 054-270-001 & 054-270-002), City of Brentwood, Contra Costa County - Job #5292.10 (letter report)	2001	Within
025093	Ric Windmiller	Phase I Archaeological Resources Inventory, Sky Ranch Unit 2, Pittsburg, Contra Costa County, California	2002	Within
025238	John Holson	Archaeological Survey Report for the Highway 4/ Somerville Cell Site, Antioch, Contra Costa County (letter report)	2002	Within
025683	Ric Windmiller	Inventory and Evaluation of Cultural Resources, Highlands Ranch, Pittsburg, Contra Costa County, California	1999	Within
026294	William Kostura	Historic Resource Evaluation of the Abrams Ranch, Pittsburg, Contra Costa County, California	2002	Within

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Report No. (S-)	Author(s)	Title	Year	Distance (miles) from Project Area
026294a	Suzanne Baker	Phase 1 Archaeological Survey Report, Proposed Buchanan Road Bypass Project, Contra Costa County, California	2002	Within
026294b	Suzanne Baker	Cultural Resources Survey of the James Donlon Boulevard Extension Project, Contra Costa County, California	2007	Within
026294c	Suzanne Baker	Cultural Resources Survey of the James Donlon Boulevard Extension Project, Contra Costa County, California: Addendum 1	2012	Within
026302	William Self	Archaeological Survey and Cultural Resources Assessment of Amber Park, Brentwood, Contra Costa County, California (letter report)	2001	Within
027049	Michelle St. Clair and John Holson	Archaeological Survey Report for the Delta Diablo Sanitation District Bridgehead Improvements Project, City of Antioch, Contra Costa County	2003	Within
027445	Joseph Giliberti	A Cultural Resources Reconnaissance Survey of Proposed Removal of the Tracy - Contra Costa - Ygnacio 69-kV Transmission Line, Contra Costa and Alameda Counties, California	2002	Within
027445a	Knox Mellon and James D. Keselburg	WAPA020617A; Transmission Line Removal in Contra Costa and Alameda Counties, California	2002	Within
028626	Ric Windmiller and Daniel J. Osanna	Bridle Gate, Cultural Resources Inventory and Evaluation, Brentwood, Contra Costa County, California	2004	Within
028626a	Ric Windmiller and Dana Supernowicz	Bridle Gate-Updated Cultural Resources Assessment, Brentwood, Contra Costa County	2020	Within
028811	Kimberly Popetz and William Self	Cultural Resources Assessment Report, State Route 4 Bypass Segment 1, Contra Costa County, California	2003	Within
029311	Graham Dalldorf	Letter Report of Archaeological Consultation for the Black Liquor Pond, East Mill Site, Gaylord Container Company, 2603 Wilbur Avenue, Antioch, California (letter report)	2004	Within
029690	Scott Billat	Collocation on PG&E tower and new equipment shelter, East Antioch/CA-2424B, Willow Road, Antioch, CA	2005	Within
029919	D. Craig Young and Jeffrey S. Rosenthal	Geoarchaeological Assessment along the State Route 4 Widening Project	2004	Within
029930	Lorna Billat	Request for SHPO Review of FCC Undertaking, Black Diamond Mine/CA-2786C, Antioch City Water Tank, Empire Mine Road, Antioch	2005	Within

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Report No. (S-)	Author(s)	Title	Year	Distance (miles) from Project Area
030204	Donna L. Gillette	The Distribution and Antiquity of the California Pecked Curvilinear Nucleated (PCN) Rock Art Tradition	2003	Within
030387	Bai "Tom" Tang, Michael Hogan, Josh Smallwood, and Terri Jacquemain	Historical Resources Compliance Report, Burlington Northern Santa Fe Railway Double Track Project (Segment 2), Oakley (MP 1146.1) to Port Chicago (MP 1164.4), In and Near the Cities of Oakley, Antioch, and Pittsburg, and the Port Chicago Naval Weapons Station, Contra Costa County, California	2005	Within
030387a	Bai "Tom" Tang, Michael Hogan, Josh Smallwood, and Terri Jacquemain	Archaeological Survey Report/Historical Resource Evaluation	2005	Within
030394		Historical Evaluation of Structures at 2522 and 2570 Empire Avenue, Brentwood, California	2005	Within
030579	Colin I. Busby	Cultural Resources Report, Delta Energy Center Site (DEC) and Associated Linears, Cities of Pittsburg and Antioch, Contra Costa County, California, California Energy Commission (CEC), Project 98-AFC-3C	2004	Within
030587	Colin I. Busby	Cultural Resources Assessment, Laurel Ranch, 3941 Neroly Road (APN 053-060-015-4), Antioch, Contra Costa County, California (letter report)	2004	Within
030624	Barbra Siskin	Historical Resources Compliance Report, State Route 4/Main Street between SR 160 and Big Break Road in Oakley, 04-CC-4, KP 50.1/50.2, PM 31.1/32.3, 04-275-2A17000	2005	Within
030624a	Madeline R. Bowen	Historical Resources Evaluation Report Main Street (State Route 4) Widening from State Route 160 to Big Break City of Oakley, California Caltrans District 4, Contra Costa County	2005	Within
030653	Neal Kaptain	Historic Property Survey Report for the Somersville Road Bridge Replacement Project, Caltrans District 4, Antioch, Contra Costa County, California, 04-CC-0-ANT, BHLO-5038 (016), Bridge No. 28C-0201	2005	Within
030653a	Neal Kaptain	Archaeological Survey Report for the Somersville Road Bridge Replacement Project, Caltrans District 4, Antioch, Contra Costa County, Ca. 04-CC-0-ANT, BHLO-5038(016), EA #04-923903	2005	Within

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Report No. (S-)	Author(s)	Title	Year	Distance (miles) from Project Area
030653b	Christopher McMorris	Historical Resources Evaluation Report, Replacement of Somersville Road Bridge over Contra Costa (28C0201), City of Antioch, Contra Costa County, Ca., 04-CC-0-ANT, BRLS-5038(016), EA 965100, Caltrans District 4	2005	Within
030653c	William B. Dewey	Photographs and Written Historical and Descriptive Data of the Somersville Road Bridge	2007	Within
030728	Scott Billat	New Tower ("NT") Submission Packet FCC Form 620, 2436 Mahogany Way, Antioch, Contra Costa County	2005	Within
030762	Carolyn Losee	Collocation ("CO") Submission Packet FCC Form 621, End of Wild Horse Road, Antioch, Contra Costa County	2005	Within
030768	Carolyn Losee	New Tower ("NT") Submission Packet FCC Form 620, Corner of 10th Street and "A" Street	2005	Within
030776	Carolyn Losee	Collocation ("CO") Submission Packet FCC Form 621, Northeast Corner of Contra Loma & James Donlon Blvds., Antioch, Contra Costa County	2005	Within
030908	Lorna Billat	Collocation ("CO") Submission Packet FCC Form 621, Hillcrest, CA-2996A, 3900 Banbury Way, Antioch, Contra Costa County, California	2005	Within
030913	Leigh Martin and William Self	Cultural Resources Assessment Report Sierra Vista Subdivision 7722, Antioch, Contra Costa County, California	2005	Within
031133	Carolyn Losee	Collocation ("CO") Submission Packet, FCC Form 621, PG&E Tower # 2/16, Project Number TV-025-02	2006	Within
031171	Mark A. Carper and Kim Tremaine	Cultural Resources Inventory Report: Trembath and Oakley Floodwater Control Basins, Antioch, California	2005	Within
031233	Scott Billat	Antioch HS, 700 W. 18th Street, Antioch, Contra Costa County	2006	Within
031375	M. Kate Lewis	State Route 4 (East) Widening Project: Loveridge Road to State Route 160, 04-CC-4-KP 37.8/R47.6 (PM 23.5/R29.6), EA 04275-228500, Contra Costa County	2004	Within
031375a	Kelly R. Heidecker	Archaeological Survey Report, State Route 4 (East) Widening Project: Loveridge Road to State Route 160, 04-CC-4-KP 37.8/R47.6 (PM 23.5/R29.6), EA 04275-228500, Contra Costa County	2004	Within

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Report No. (S-)	Author(s)	Title	Year	Distance (miles) from Project Area
031375b	Craig Young and Jeffrey S. Rosenthal	Geoarchaeological Assessment along the State Route 4 Widening Project	2004	Within
031375c	Meta Bunse	Historic Resources Evaluation Report (HRER), State Route 4 (East) Widening Project: Loveridge Road to State Route 160, 04-CC-4-KP 37.8/R47.6 (PM 23.5/R29.6), EA 04275-228500, Contra Costa County. Volume 2 of 2	2004	Within
031405	James M. Allan	Archaeological Survey and Cultural Resources Assessment for the City of Antioch's proposed Antioch Recycled Water Pipeline project (letter report)	2006	Within
031848	James M. Keasling	Cultural Resource Records Search Results and Site Visit for Cingular Telecommunications Facility Candidate TV-027-01 (Cache Peak), Cache Peak Drive, Antioch, Contra Costa County, California (letter report)	2005	Within
031872		Finding of Effect for the Replacement of the Somersville Road Bridge Over Contra Costa Canal (28C0201), City of Antioch, Contra Costa County, California, 04-CC-0ANT, BRLS-5038(016), EA965100, Caltrans District 4	2005	Within
032596	Randall Milliken, Jerome King, and Patricia Mikkelsen	The Central California Ethnographic Community Distribution Model, Version 2.0, with Special Attention to the San Francisco Bay Area, Cultural Resources Inventory of Caltrans District 4 Rural Conventional Highways	2006	Within
032885	Lorna Billat	New Tower ("NT") Submission Packet, FCC Form 620, Deer Valley, CA-2787D	2006	Within
033545		Draft Comprehensive Management and Use Plan and Environmental Impact Statement, Juan Bautista de Anza National Historic Trail, Arizona and California	1994	Within
033600	Jack Meyer and Jeff Rosenthal	Geoarchaeological Overview of the Nine Bay Area Counties in Caltrans District 4	2007	Within
033821		Cultural Resources Inventory Report for the Ironhouse Sanitary District Wastewater Treatment Plant Expansion, Contra Costa and Sacramento Counties, California	2007	Within
034086	Matthew R. Clark	Cultural Resources Inventory and Impacts Assessment for the Sky Ranch II Project, Subdivision # 8475, City of Pittsburg, Contra Costa County, California	2007	Within

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Report No. (S-)	Author(s)	Title	Year	Distance (miles) from Project Area
034228		Historic Properties Survey Report/Finding of Effect (No Historic Properties Affected), PG&E Delta Distribution Planning Area (DPA) Capacity Increase Substation Project, City of Antioch, Contra Costa County, California	2006	Within
034412	Eric Wohlgemuth	Archaeological Reconnaissance of the Pacific Gas and Electric Company 230 kV Delta Transmission Line Reconductoring Project, Solano, Sacramento, and Contra Costa Counties, California	2005	Within
034942	James M. Allan	Addendum to Antioch Recycled Water Project (letter report)	2008	Within
035196	Allen Estes, Aimee Arrigoni, David Buckley, James Allan, and William Self	Cultural Resource Assessment Delta Diablo Sanitation District and the City of Antioch Recycled Water Pipeline Extension Project, Antioch, Contra Costa County, California	2006	Within
035196a	Milford Wayne Donaldson and Susan M. Fry	BUR070508H; Proposed Extension of a Recycled Water Pipeline with the City of Antioch, Contra Costa County, California (07-SCAO-086)	2007	Within
035237	Lorna Billat	New Tower ("NT") Submission Packet FCC Form 620, Metro PCS, Black Diamond, SF-19000A	2008	Within
035244	Suzanne Baker and Laurence H. Shoup	eBart Project EIR, Archaeological Survey Report: eBart Project, Contra Costa County, California	2008	Within
035244a	Laurence H. Shoup	eBart Transit Corridor EIR/EIS, Historic Resources Evaluation Report: San Pablo & Tulare Railroad/Central Pacific Railroad (Southern Pacific Railroad/Union Pacific Railroad), eBart Project, Contra Costa County, California	2007	Within
035244b	Ward Hill, Laurence H. Shoup, Marjorie Dobkin, and Suzanne Baker	DRAFT #2, eBART Transit Corridor EIR/EIS, Historic Resources Evaluation Report: Historic Architecture of the eBART Project, Contra Costa County, California	2007	Within
035244c	Suzanne Baker and Laurence H. Shoup	eBART Transit Corridor EIR/EIS, Positive Archaeological Survey Report: eBART Project, Contra Costa County, California (Union Pacific Mococo Line Alternative)	2007	Within
035455	Angela Cook and Aimee Arrigoni	Final Cultural Resources Assessment Report, Roddy Ranch Project, Contra Costa County, California	2008	Within

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Report No. (S-)	Author(s)	Title	Year	Distance (miles) from Project Area
035861	Bai "Tom" Tang	Historic Property Survey Report, proposed undertaking to upgrade the capacity of the Burlington Northern Santa Fe (BNSF) Railway's mainline from Mile Post (MP) 1146.1 to MP 1164.4, between the City of Oakley and the Port Chicago Naval Weapons Station in Contra Costa County	2009	Within
035861a	Bai "Tom" Tang, Michael Hogan, Josh Smallwood, and Terri Jacquemain	Archaeological Survey Report/Historical Resource Evaluation Report, Burlington Northern Santa Fe Railway Double Track Project (Segment 2), In and near the Cities of Oakley, Antioch, and Pittsburg and the Port Chicago Naval Weapons Station, Contra Costa County, California	2009	Within
036556	Melinda Hickman, Aimee Arrigoni, Eric Strother, and David Buckley	Final Archaeological Testing and Data Recovery Report for the Upper Sand Creek Basin Expansion Project. the Sullenger Ranch Complex (CA-CCO-681H), City of Antioch, Contra Costa County, CA	2009	Within
036622	Barbra Siskin, Cassidy DeBaker, and Jennifer Lang	Cultural Resources Investigation and Architectural Evaluation for the Contra Costa to Las Positas Reconductoring of the 230 kV Transmission Line, Contra Costa County and Alameda County, California	2008	Within
036622a	Barb Siskin and Cassidy DeBaker	Additional Cultural and Paleontological Resources Surveys and Monitoring for the Contra Costa Las Positas 230 kV Transmission Line Reconductoring Project	2009	Within
036781	Wayne Bonner	Cultural Resources Records Search Results for T-Mobile USA Conditate BA21252 (Kaiser Antioch), 4501 Sand Creek Road Antioch, Contra Costa County, California	2009	Within
037097	Aimee Arrigoni and Thomas Young	Cultural Resource Assessment Report Supplement Delta Diablo Sanitation District and the City of Antioch Recycled Water Pipeline Extension Project, Antioch, Contra Costa County, California	2010	Within
037839	Paul Farnsworth	Archaeological Survey and Cultural Resources Assessment of the SR-4 Bypass SR-4/160 Connectors, Contra Costa County, California (letter report)	2010	Within
038226	Heather Blind	Initial Cultural Resources Assessment of the Accidental Discovery at the Antioch Marina Boat Launch Facility Project, Antioch, Contra Costa County, California (letter report)	2010	Within
038250	James M. Allan	Roddy Ranch Project-Empire Mine Road Relocation, Antioch, Contra Costa County, California (letter report)	2011	Within

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Report No. (S-)	Author(s)	Title	Year	Distance (miles) from Project Area
038392	Adrian Whitaker	PG&E Contra-Costa to Moraga Reconductoring Project (letter report)	2010	Within
038392a	Christophe Descantes	PG&E Contra Costa-Moraga 230 Kilovolt Reconductoring Project, Cultural Resource Studies (Order #30983398 & 31058247; USACE File #2012-00043C) - (letter report)	2014	Within
038392b	Cindy L. Baker	California Register of Historic Places Evaluation, Moraga Substation and the Contra Costa-Moraga Transmission Line, Contra Costa County, California	2011	Within
038392c	Cindy L. Baker	Cultural Resources Evaluation, Rossmoor Substation, Contra Costa County, California	2014	Within
038392d	Adrian R. Whitaker	Cultural Resources Report for the Contra Costa-Moraga 230 Kilovolt Reconductoring Project, Contra Costa County, California USACE File #2012-00043S	2015	Within
038392e	Adrian Whitaker	PG&E Contra Costa-Moraga 230 kV Reconductoring Project Modifications and Additions: Pull Site 41A North, Work Area 40; Crossing Structure 81F; Pull Site 77; Structures 143A, 143B, 143C; Pull Site 96; Landing Zone 96; Work Areas 101, 102A, 103; Work Area 1	2015	Within
038392f	Carol Roland-Nawi	COE_2015_0123_001; Contra Costa-Moraga 230 Kilovolt Re-conductor Project, Orinda, California; (2012-00043S)	2015	Within
038577	Heather Blind and Michael Hibma	Revised Cultural Resource Assessment of the Accidental Discovery at the Antioch Marina Boat Launch Facility Project, Antioch, Contra Costa County, California (Corp File No. SPK-2004-00520); LSA Project No. CAN 1002)	2010	Within
038847	Paul Farnsworth, Aimee Arrigoni, Nzaih Fino, and Angela Cook	Section 106 Evaluation Addendum to 'Final Archaeological Testing & Data Recovery Report for the Upper Sand Creek Basin Expansion Project. The Sullenger Ranch Complex (CA-CCO-681H), City of Antioch, Contra Costa County, CA	2010	Within
038847a	Paul Farnsworth, Aimee Arrigoni, Nazih Fino, and Angela Cook	CEQA Evaluation Addendum to 'Final Archaeological Testing and Data Recovery Report for the Upper Sand Creek Basin Expansion Project. The Sullenger Ranch Complex (CA-CCO-681H), City of Antioch, Contra Costa County, California	2010	Within
038847b	Susan K. Stratton and William Guthrie	COE101018A: Section 404 of the Clean Water Act Authorization for the Upper San Creek Detention Basin Expansion Project, Contra Costa County California (Regulatory Division: SPK-2009-00996)	2010	Within

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Report No. (S-)	Author(s)	Title	Year	Distance (miles) from Project Area
038872	Adrian Whitaker	Contra-Costa Substation Expansion (letter report)	2011	Within
038884	Laura Leach-Palm	PG&E proposed natural gas pipeline integrity excavation for Line 191 and 191A (letter report)	2011	Within
039103	James M. Allan	Archaeological Survey and Cultural Resources Assessment for the Holy Cross Funeral Center Project, Antioch, CA. (letter report)	2012	Within
039329	Allen G. Pastron	Phase I Cultural Resources Evaluation of The Pointe Project, Located within the Black Diamond Ranch Subdivision (APN 089-160-009), City of Antioch, Contra Costa County, California (letter report)	2010	Within
039371	Allen G. Pastron	CEQA-Level Phase I Cultural Resources Evaluation of the Jacuzzi Family Ranch Property, a 48.62-acre Parcel of Land Located in the City of Antioch, Contra Costa County, California (letter report)	2008	Within
039379		Cultural Resources Evaluation of the Proposed Delta Expressway Project, Contra Costa County, California	1992	Within
039618	Matthew A. Russell and Nazih Fino	Cultural Resources Assessment Report, Northeast Antioch Reorganization, Antioch, Contra Costa County, California	2012	Within
042845	Amy Foutch	PG&E External Corrosion Direct Assessment (ECDA) on Line 191 Station 87+10, Antioch, California	2012	Within
043437	Lisa Westwood and Stephan Pappas	Test Program Results and Evaluation for the Lone Tree School Site Within the Proposed AutoZone Project Area, City of Antioch, Contra Costa County, California, Project No. 2013-200	2013	Within
043476	Stephen Pappas and Lisa Westwood	Cultural Resources Inventory Report, Antioch AutoZone, Contra Costa County, California, ECORP Project No. 2013-200	2013	Within
043685	Barb Siskin, Cassidy DeBaker, Thomas Martin, Beatrice Cox, and Jennifer Lang	Cultural Resources Inventory for the San Joaquin Valley Right-of-Way Maintenance Environmental Assessment Project	2010	Within
043685a		Cultural Resources Background Research/Field Strategy Report for the San Joaquin Valley Right-of-Way Maintenance Environmental Assessment	2009	Within
043772	Brian Ludwig	Cultural Resources Inventory and Evaluation Report, Markley Creek Remediation Project	2008	Within

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Report No. (S-)	Author(s)	Title	Year	Distance (miles) from Project Area
043830	Scott Williams	Proposed City of Antioch Field Sewer Pipeline Under the Contra Costa Canal	2011	Within
043861	Kristina Crawford	Reclamation, Managing Water in the West, Cultural Resources Context Memorandum, Contra Loma Reservoir and Recreation Area	2012	Within
043861a		Reclamation, Managing Water in the West, Cultural Resources Context Memorandum, Contra Loma Reservoir and Recreation Area	2014	Within
043861b	Mark A. Carper	MP-153 Cultural Resources Post Field Summary Record, East Bay Regional Park District's Contra Loma Boat Launch Facility Improvements Project 15-SCAO-168	2015	Within
043861c	Julianne Polanco	BUR_2015_0925_001; National Historic Preservation Act (NHPA) Section 106 Consultation for the Proposed Contra Loma Americans with Disabilities Act (ADA) Facility Improvements Project, Contra Costa County, California (15-SCAO-168)	2015	Within
043861d	Mark A. Carper	RE: BUR_2014_703_001; RE: MP-153 Cultural Resources Post Field Summary Record, Tracking Number: 14-SCAO-062, Contra Loma ADA Restroom and Fish Cleaning Station Improvement Project	2014	Within
043861e	Carol Roland-Nawi	RE: BUR_2014_0703_001 RE: National Historic Preservation Act (NHPA) Section 106 Consultation for the Contra Loma Americans with Disabilities Act (ADA) Restroom and Fish Cleaning Station Improvement Project (14-SCAO-062)	2014	Within
043883	Carolyn Losee	Cultural Resources Investigation for AT&T Mobility CCU4511 "Sunset Drive & Cavallo Road," 801 Sunset Drive, Antioch, Contra Costa County, California 94509 (letter report)	2014	Within
044218	Virginia Hagensieker and Janine M. Origer	A Cultural Resources Study for the Wastewater Infrastructure Repair and Rehabilitation Project, within the cities of Bay Point, Pittsburg, and Antioch, Contra Costa County, California	2013	Within
044221	Virginia Hagensieker and Janine M. Origer	A Cultural Resources Survey for the Aviano Farms Development near Antioch, Contra Costa County, California	2013	Within
044231	Hannah Haas, Robert Ramirez, and Duane Vander Pluym	Archaeological Monitoring for the Upper Sand Creek Basin Project, Antioch, Contra Costa County, California (letter report)	2013	Within

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Report No. (S-)	Author(s)	Title	Year	Distance (miles) from Project Area
044292	Karin Beck, Mark Hale, and Ben Elliott	Cultural Resource Report, California Energy Commission Condition of Certification CUL-4, Contra Costa County, California (08-AFC-3C)	2013	Within
044292a	Maureen Kick	Marsh Landing Generating Station (08-AFC-3C) Monthly Monitoring Summary Report Cultural Resources	2011	Within
044292b	Maureen Kick	Cultural Resources Report Subsection 2.12 Marsh Landing Generating Station (08-AFC-3C)	2011	Within
044292c	Maureen Kick	Cultural Resources Report Subsection 2.12 Marsh Landing Generating Station (08-AFC-3C)	2011	Within
044292d	Maureen Kick	Cultural Resources Report Subsection 2.12 Marsh Landing Generating Station (08-AFC-3C)	2011	Within
044292e	Maureen Kick	Cultural Resources Report Subsection 2.12 Marsh Landing Generating Station (08-AFC-3C)	2011	Within
044292f	Maureen Kick	Cultural Resources Report Subsection 2.12 Marsh Landing Generating Station (08-AFC-3C)	2011	Within
044292g	Maureen Kick	Cultural Resources Report Subsection 2.12 Marsh Landing Generating Station (08-AFC-3C)	2011	Within
044292h	Maureen Kick	Cultural Resources Report Subsection 2.12 Marsh Landing Generating Station (08-AFC-3C)	2011	Within
044292i	Maureen Kick	Cultural Resources Report Subsection 2.12 Marsh Landing Generating Station (08-AFC-3C)	2011	Within
044292j	Maureen Kick	Cultural Resources Report Subsection 2.12 Marsh Landing Generating Station (08-AFC-3C)	2011	Within
044292k	Maureen Kick	Cultural Resources Report Subsection 2.12 Marsh Landing Generating Station (08-AFC-3C)	2011	Within
044292l	Maureen Kick	Cultural Resources Report Subsection 2.12 Marsh Landing Generating Station (08-AFC-3C)	2012	Within
044292m	Maureen Kick	Cultural Resources Report Subsection 2.12 Marsh Landing Generating Station (08-AFC-3C)	2012	Within
044292n	Maureen Kick	Cultural Resources Report Subsection 2.12 Marsh Landing Generating Station (08-AFC-3C)	2012	Within

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Report No. (S-)	Author(s)	Title	Year	Distance (miles) from Project Area
044292o	Maureen Kick	Cultural Resources Report Subsection 2.12 Marsh Landing Generating Station (08-AFC-3C)	2012	Within
044292p	Maureen Kick	Cultural Resources Report Subsection 2.12 Marsh Landing Generating Station (08-AFC-3C)	2012	Within
044292q	Maureen Kick	Cultural Resources Report Subsection 2.12 Marsh Landing Generating Station (08-AFC-3C)	2012	Within
044292r	Maureen Kick	Cultural Resources Report Subsection 2.12 Marsh Landing Generating Station (08-AFC-3C)	2012	Within
044292s	Maureen Kick	Cultural Resources Report Subsection 2.12 Marsh Landing Generating Station (08-AFC-3C)	2012	Within
044292t	Maureen Kick	Cultural Resources Report Subsection 2.12 Marsh Landing Generating Station (08-AFC-3C)	2012	Within
044292U	Maureen Kick	Marsh Landing Generating Station (08-AFC-3C) Condition of Certification CUL-7-Cultural Resources Discovery (letter report)	2011	Within
045650	Ric Windmiller and Kenneth L. Finger	Promenade, Cultural Resources Assessment, Antioch, Contra Costa County, California	2014	Within
046539	Matthew Holtkamp	Submission Packet, FCC Form 620, for proposed New Tower Project, Hillcrest Avenue & Wildflower Drive, Antioch, Contra Costa County, CA, Hillcrest Deer Valley/Ensite #23870 (299355), EBI Project Number: 6115000673	2015	Within
046539a	Andrea K. Fink	Cultural Resources Survey, Hillcrest Deer Valley/Ensite #23870 (299355), Hillcrest Avenue & Wildflower Drive, Antioch, Contra Costa County, California 94531, S29 T02N R02E	2015	Within
046889	Sean Dexter and Armando A Cuellar	Pacific Gas and Electric Lines 114 and 191 Replacement Project, Archaeological Survey Report, Contra Costa County, California	2011	Within
046889a	Stephanie Cimino, Kim Carpenter, and Jack Meyer	Supplemental Cultural Resources Inventory, Pacific Gas & Electric Company, Line 114 and 191 Pipeline Replacement Project, Contra Costa County, California	2014	Within
046889B	Carol Roland-Nawi and Anastasia T. Leigh	BUR_2014_0827_001; PG&E Line 114 Safety Enhancement Project, Contra Costa County, CA (14-SCAO-189); PG&E Order #30897880	2014	Within

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Report No. (S-)	Author(s)	Title	Year	Distance (miles) from Project Area
046904	Miley Paul Holman	Archaeological Literature Search and Field Inspection of the Proposed Antioch Storm Drain Pipe Pproject, Antioch, Contra Costa County, California	2014	Within
046904a	Carol Roland-Nawi and William Guthrie	COE_2014_119_001; Section 106 Consultation for the Brosamer Data Center Project in Contra Costa County, CA (File # SPK-2005-011115)	2014	Within
046909	Aisha Rahimi-Fike	Delta Diablo Recycled Water System Expansion Project, Historical Resources Inventory and Evaluation Report, Contra Costa County, California	2015	Within
046909a		Delta Diablo Recycled Water System Expansion Project, Archaeological Inventory Report, Contra Costa County, California	2015	Within
047660	Carolyn Losee	Cultural Resources Investigation for AT&T Mobility CCL04277 (CNU4277) "Contra Loma" 9999 James Donlon Boulevard, Antioch, Contra Costa County, California 94509 (letter report)	2015	Within
047660a	Julianne Polanco	FCC_2015_1216_005; CCL04277 "Contra Lane" 9999 James Donlon Boulevard, Antioch, Collocation	2016	Within
047660b	Carolyn Losee	Section 106 Review, AT&T Site Number CCL04277/CNU4277 "Contra Loma" 9999 James Donlon Boulevard, Antioch, California 94509, Contra Costa County	2015	Within
049302	Juliana Quist and Allen G. Pastron	Phase I Cultural Resources Evaluation for the Black Diamond Mines Regional Preserve Trails Expansion Project, Contra Costa County, California	2017	Within
049320	Heidi Koenig	Cultural Resources Assessment Report: Delta Diablo East County Bioenergy Project, Cities of Antioch and Pittsburg, Contra Coast County	2016	Within
049353	E. Timothy Jones	Cultural Resources Study, Heidorn Village Project, Antioch, Contra Costa County, California	2017	Within
049353a	William Guthrie and Julianne Polanco	COE_2017_0630_001, Section 106 Consultation for the Heidorn Village Project, Antioch, Contra Costa County, California (SPK-2016_00604)	2017	Within
049478	Eileen Barrow	Cultural Resources Study for the Delta Diablo Pump Station Facilities Repair Project, Project Numbers 17128, 17129, 17130, 17131, and 17132, Contra Costa County, California	2017	Within
049537	Janine M. Origer	CA-CCO-682H (P-07-000005), along Sand Creek, Antioch, California (letter report)	2016	Within

PREVIOUS CULTURAL RESOURCES STUDIES

Report No. (S-)	Author(s)	Title	Year	Distance (miles) from Project Area
049678	Aimee Arrigoni	Historic Property Survey Report for the SR-4/Bailey Road Interchange Pedestrian & Bicycle Improvement Project, Bay Point, Contra Costa, California, CCPWD Project: 0662-6R4121, EA: 04-3G840, EFIS: 04-1300-0199	2016	Within
049678a	Teresa Bulger	Archaeological Survey Report, SR-4/Bailey Road Interchange Pedestrian & Bicycle Improvement Project, Bay Point, Contra Costa, California, CCPWD Project: 0662-6R4121, EA: 04-3G840/Project ID: 0413000199	2016	Within
049678b	Aimee Arrigoni	Finding of No Adverse Effect-Non-Standard Conditions: SR-4/Bailey Road Interchange Pedestrian & Bicycle Improvement Project, Bay Point, Contra Costa, California, CCPWD Project: 0662-6R4121, EA: 04-3G840/Project ID: 0413000199	2016	Within
049678c	Kelly Hobbs and Julianne Polanco	FHWA_2016_0419_001, Finding of No Adverse Effect for the Proposed State Route 4/Bailey Road Interchange Pedestrian & Bicycle Improvement Project, Contra Costa County, CA	2016	Within
049780	Brian F. Byrd, Adrian R. Whitaker, Patricia J. Mikkelsen, and Jeffrey S. Rosenthal	San Francisco Bay-Delta Regional Context and Research Design for Native American Archaeological Resources, Caltrans District 4	2017	Within
049780a	Julianne Polanco	FHWA_2016_0615_001, Caltrans District 4 Archaeological Context	2016	Within
049936	Cher L. Peterson	Cultural Resources Records Search Results for T-Mobile West, LLC Candidate BA51975B (PG&E Sports Complex) 1030 Apollo Court, Antioch, Contra Costa County, California (letter report)	2016	Within
049936a	Kathleen A. Crawford	Direct APE Historic Architectural Assessment for T-Mobile West, LLC Candidate BA51975B (PG&E Sports Complex) 1030 Apollo Court, Antioch, Contra Costa County, California (letter report)	2016	Within
049936b	Kathleen Crawford	Collocation ("CO") Submission Packet, FCC Form 621 (BA51975B) (PG&E Sports Complex), 1030 Apollo Court, Antioch, CA 94509	2016	Within
049936c	Julianne Polanco	FCC_2016_0617_002: BA51975B (PG&E Sports Complex) 1030 Apollo Court, Antioch, Collocation	2016	Within

PREVIOUS CULTURAL RESOURCES STUDIES

Report No. (S-)	Author(s)	Title	Year	Distance (miles) from Project Area
050081	Jeremy Adams, Stephen Pappas, and Megan Webb	Cultural Resources Inventory and Evaluation Report, Orfanos Property, Contra Costa County, California	2016	Within
050521	Heidi Koenig	Antioch Brackish Water Desalination Project, Cities of Antioch and Pittsburg, Contra Costa County, Cultural Resources Survey Report	2017	Within
050521a	Heidi Koenig	Cultural Resources Survey Report, Antioch Brackish Water Desalination Project, Cities of Antioch and Pittsburg, Contra Costa County, Revised 2019	2019	Within
050695	Carolyn Losée	Cultural Resources Investigation for AT&T CCL04275 "Hillcrest Road" 4551 Wild Horse Road, Antioch, Contra Costa County, California 94531 (letter report)	2018	Within
050695a	Carolyn Losée and Holly D. Moore	Collocation ("CO") Submission Packet, FCC Form 621, AT&T CCL04275/CNU4275, Near 4551 Wild Horse Road, Antioch, California	2018	Within
051174		Historic Properties Survey Report, 04-CC-4 P.M. 25.0/25.1, 04207-385631, Construction of Interchange at Standard Oil Avenue, City of Pittsburg, Contra Costa County	1981	Within
051174a	Mara Melandry	Archaeological Survey Report, 04-CC-4 P.M. 25.0/25.1, 04207-385631, Construction of Interchange at Standard Oil Avenue, City of Pittsburg, Contra Costa County	1981	Within
051174b	Fred Wasserman	Historic Architectural Survey for the Construction of Standard Oil Avenue, Interchange on Route 4 in Antioch, California 04207-385630	1981	Within
051534		Cultural and Paleontological Overview for the San Joaquin Valley Pipeline Project	1986	Within
051681	G. James West and Peter D. Schulz	An Archaeological Survey of the Stockton Ship Channel Dredged Material Disposal Sites, False River Cut-off, Levee Setback Sites and U.S. Navy Lands at Port Chicago	1975	Within
051807	John W. Dougherty	Historic Property Survey Report for the Wilbur Avenue Overhead, City of Antioch, Contra Costa County, California	1999	Within
051807a	John W. Dougherty	Negative Archaeological Survey Report for the Wilbur Avenue Overhead, City of Antioch, Contra Costa County, California	1999	Within
051807b	Tracy Bakic	Historic Architectural Survey Report for the Wilbur Avenue Overhead, City of Antioch, Contra Costa County, California	1999	Within

PREVIOUS CULTURAL RESOURCES STUDIES

Report No. (S-)	Author(s)	Title	Year	Distance (miles) from Project Area
051881	Theadora Fuerstenberg and Megan Webb	Cultural Resources Inventory Report, the Ranch in Antioch Offsite Impact Areas, Contra Costa County, California	2017	Within
051882	Theadora Fuerstenberg and Megan Webb	Test Program Results and Evaluation for Cultural Resources in the Ranch in Antioch Project, Contra Costa County, California, Project No. 2017-109	2017	Within
051987	George McKale	A Cultural/Paleontological Resources Study for The Deer Valley Estates Master Plan Project, Antioch, Contra Costa County, California	2007	Within
052636	Lex Palmer and BranDee Bruce	Cultural Resources Report for the Contra Costa Water District kV Line Inspection, Repair, and Restoration Activities Along the Contra Costa Canal, Contra Costa County, California	2017	Within
052636a	Julianne Polanco and Anastasia T. Leigh	[BUR_2017_0914_001] Section 106 Consultation for the Proposed Contra Costa Water District (CCWD) 2.3 Kilovolt (kV) Line Inspection, Repair, and Restoration along the Contra Costa Canal (CCC), Contra Costa County, California (Project #17-SCAO-068)	2017	Within
052688	Katherine D. Thomas and Carrie D. Wills	Cultural Resources Record Search and Site Visit Results for AT&T Mobility, LLC Candidate CCL04273 (Furniture Clearance Outlet), 3215 Fairview Drive, Antioch, Contra Costa County, California, CASPR No. 3701ADKV2 (letter report)	2018	Within
052688a	Carrie D. Wills	FCC Wireless Telecommunications Bureau New Tower ("NT") Submission Packet, FCC Form 620, CCL04273 (Furniture Clearance Outlet), 3215 Fairview Drive, Antioch, CA 94509	2018	Within
052688b	Julianne Polanco	FCC_2018_1116_005, CCL04273 (Furniture Clearance Outlet) 3215 Fairview Drive, Antioch, Contra Costa County, New Tower	2018	Within
053135	Sally Evans and Gilbert Browning	Horse Valley Creek and Wetland Restoration Project, Antioch, Contra Costa County, CA: Damage Assessment Report For P-07-000269/CA-CC0-497H	2018	Within
053135a	Sally Evans	Proposal for Mitigation of Unanticipated Adverse Effects to P-07-000269 within the Horse Valley Creek and Wetland Restoration Project Area, Antioch, Contra Costa County, California (letter report)	2018	Within

PREVIOUS CULTURAL RESOURCES STUDIES

Report No. (S-)	Author(s)	Title	Year	Distance (miles) from Project Area
053135b	William H. Guthrie and Julianne Polanco	COE_2017_1226_003, Section 106 Consultation for the Unanticipated Adverse Effect to P-07-000269 As a Result of the Horse Valley Restoration Project in Antioch, Contra Costa County, California (SPK-2017-00055)	2018	Within
053159	Eileen Barrow	Historical Resources Study of 3530-3560 E. 18th Street, Antioch, Contra Costa County, California	2018	Within
053159a	Eileen Barrow and Julia Karnowski	Cultural Resources Study of 3530-3560 E. 18th Street, Antioch, Contra Costa County, California	2019	Within

b. Previously Recorded Cultural Resources**PREVIOUSLY RECORDED CULTURAL RESOURCES**

Primary No. (P-07-)	Trinomial No. (CA-CCO-)	Resource Type	Resource Description	Year Recorded	Distance From Project Area	NRHP /CRHR Status
000004	000681 H	Historic Archaeological Site	Sullenger Historic Ranch Complex. Ranch home and associated structures. Artifacts include ranch and other household equipment. 1880	1993, 1994, 2008, 2010	Within	NR/CR – Not Eligible
000005	000682 H	Historic Archaeological Site	Heidorn Ranch. Water trough depression feature, brick and concrete cistern, well, barbed-wire fence debris deposit, and fence posts. 1896	1993, 2006, 2007, 2014, 2020	Within	NR/CR – Not Eligible
000006	000683 H	Historic Archaeological Site	Brick-lined, mortar-covered cistern, “J” shaped depression feature, series of aligned concrete blocks, large metal pipe and a number of imported trees. 1896	1993, 2000	Within	Unevaluated
000007	000684 H	Historic Archaeological Site	Teutonia Coal Mine. Rock terraces and two mine openings with scattered historic and modern glass and bricks deposit. 1873	1993	Within	Unevaluated
000008	000685 H	Historic Archaeological Site	Town of Judsonville and the Hobson Homestead. Historic period artifact scatters, hand-hewn cave, well and two ground surface depressions. 1877	1993, 2015, 2017	Within	NR/CR - Eligible
000009	000686 H	Historic Archaeological Site	Remains of a schoolhouse structure associated with town of Judsonville. 5 eucalyptus trees and square foundation corner dug into hillside and slight ground depression. 1877	1993, 2000	Within	Unevaluated

PREVIOUSLY RECORDED CULTURAL RESOURCES

Primary No. (P-07-)	Trinomial No. (CA-CCO-)	Resource Type	Resource Description	Year Recorded	Distance From Project Area	NRHP /CRHR Status
000010	000687 H	Historic Built Environment	Historic ranch site with homestead and shed structures. Construction includes square head nails in siding. Post 1939	1993, 2015, 2017	Within	NR/CR - Eligible Criterion 4
000011	000688 H	Historic Built Environment	West Hartley Mine, Empire Mine, parts of the Empire railroad and the towns of West Hartley and Empire. Numerous cisterns, mine entrances, tailings piles, brick and dirt foundations, depressions and irregular mounds. 1870s	1993, 2000	Within	NR - Eligible
000012	000689 H	Historic Archaeological Site	Star Mine. Roadbed remains of the Empire railroad, depressions, cement-forms, covered cisterns, covered well, tailings piles, ditch and possible foundation. 1876-1896	1993, 2000	Within	Unevaluated
000013	000690 H	Historic Archaeological Site	Isreal Mine. Large disturbed area with natural spring and large bits of coal deposits on surface. C. 1859	1993	Within	Unevaluated
000014	000691 H	Historic Archaeological Site	Collapsed historic building. Rock excavation area, wood and tin deposit and a windmill. C. 1911	1993	Within	Unevaluated
000015	000692 H	Historic Built Environment	Lone Tree School. Concrete slab and possible restroom foundation. 1873-1911	1993, 2013	Within	Unevaluated
000091	000149	Prehistoric Archaeological Site	Obsidian projectile point isolate	1938	Within	Unevaluated

PREVIOUSLY RECORDED CULTURAL RESOURCES

Primary No. (P-07-)	Trinomi al No. (CA-CCO-)	Resource Type	Resource Description	Year Recorded	Distance From Project Area	NRHP /CRHR Status
000194	000385	Prehistoric Archaeologic al Site	Scatter of fire-altered rock, sandstone and basalt ground implements, modified quartzite, chalcedony and petrified wood flakes and possible midden swale.	1978	Within	Unevaluated
000195	000386	Prehistoric Archaeologic al Site	Scatter of fire-cracked rock, chert flakes and sandstone-basalt ground implements and midden deposit.	1978	Within	Unevaluated
000211	000414 H	Historic Archaeologic al Site	El Lindero farm complex remains. Area of burned earth and brick, fire brick, glass fragments, stoneware sherds, metal encased well, alignments of bricks with a low structural platform.	1979	Within	Unevaluated
000220	000437	Prehistoric Archaeologic al Site	Arata vernal pool site. Possible seasonal gathering place.	1981, 2002	Within	Unevaluated
000268	000496 H	Historic Archaeologic al Site	Remnants of historic ranching/farming complex. Brick foundation, artifact scatter, well/cistern, metal cattle watering troughs, pit and remains of a windmill and olive orchard. 1880s – 1890s	1984, 1985, 1998, 2008	Within	NR/CR-Potentially Eligible Criteria D/Criterion 4
000269	000497 H	Historic Archaeologic al Site	Remnants of historic ranching/farming complex. Three foundations, buried trash deposit and brick/artifact scatter associated with homesite. 1870 - 1900	1984, 1985, 1998, 2008	Within	NR/CR-Potentially Eligible Criteria D/Criterion 4

PREVIOUSLY RECORDED CULTURAL RESOURCES

Primary No. (P-07-)	Trinomial No. (CA-CCO-)	Resource Type	Resource Description	Year Recorded	Distance From Project Area	NRHP /CRHR Status
000303	000532 /H	Multi-Component Site	Williamson/Shannon Ranch. Single family residence and associated buildings. Late 1860s	1986	Within	NR - Listed
000458	000441 /H	Multi-Component Site	Smith's Landing Site/Fulton's Shipyard. Site of W.W. Smith's home, the founder of Antioch. Midden subsurface deposits, clay fragments and burnt/unburnt animal bone fragments.	1975, 1982	Within	Unevaluated
000487		Historic Archaeological Site	Los Medanos Wasteway. 8ft wide by 6ft deep concrete channel with dams, canals, pumps and other associated facilities. 1937	1994	Within	NR – Not Eligible
000508	000712 H	Historic Archaeological Site	Wood-lined well and small concentration of historic debris. 1848-1880	1996	Within	Unevaluated
000750	000572	Prehistoric Archaeological Site	Small lithic scatter of chert or crypto-crystalline flakes, shatter and core Fragments.	1988, 2011	Within	Unevaluated
000762		Historic Built Environment	Series of metal animal feed troughs on concrete pad and fenced stock pen area.	1998	Within	Unevaluated
000806	000732 H	Historic Built Environment	Atchison, Topeka & Santa Fe Railroad. Two commercial railroad alignments. 1872	1995, 1996, 1998, 1999, 2004, 2009, 2016	Within	NR/CR – Not Eligible

PREVIOUSLY RECORDED CULTURAL RESOURCES

Primary No. (P-07-)	Trinomial No. (CA-CCO-)	Resource Type	Resource Description	Year Recorded	Distance From Project Area	NRHP /CRHR Status
000813	000733 H	Historic Built Environment	Southern Pacific Railroad. Railroad system of alignments and spurs and associated facilities. 1911	1994, 1995, 1999, 2002, 2004, 2006, 2008, 2009, 2011, 2014	Within	NR/CR – Not Eligible
000853		Historic Built Environment	Contra Costa Power Plant Substation. Switching station, handling house, switchyard and 2 associated modern red-brick buildings. 1951	2000, 2008	Within	NR/CR – Not Eligible
000878		Historic Archaeological Site	Site of Marsh Landing. 1836	1975	Within	Unevaluated
000889		Historic Built Environment	Riverview Union High School. 1500 W. 4th Street. Renaissance Revival style school building. 1910-1948	1998, 2014	Within	NR - Listed
001292		Historic Archaeological Site	Black Diamond Mines, Black Diamond Regional Preserve. 272 mining related features and towns associated with the coal mining boom of the mid-1850s.	1989, 2018	Within	NR - Listed
002457		Historic Built Environment	3-building complex consisting of a house, barn and shed. 1918	1998	Within	NR – Not Eligible
002542		Historic Built Environment	Single family residence. Two-story rectangular, wood-frame structure with concrete foundation. 1948	1998	Within	NR/CR – Not Eligible

PREVIOUSLY RECORDED CULTURAL RESOURCES

Primary No. (P-07-)	Trinomial No. (CA-CCO-)	Resource Type	Resource Description	Year Recorded	Distance From Project Area	NRHP /CRHR Status
002563		Historic Archaeological Site	Antioch Marina Spoils Site. Marina construction dredging deposit with animal bone, glass, stoneware/earthenware fragments, insulator, porcelain and small embossed plaque.	2002	Within	Unevaluated
002598		Historic Archaeological Site	Standard Oil Los Medanos Tank Farm. Nine crude oil storage tanks, remnant of earthen dam and associated pipelines and hydrants. 1913	1999	Within	Unevaluated
002648		Historic Built Environment	Contra Costa Canal Bridge. two-lane bridge over Contra Costa Canal. 1937	2004, 2005, 2014	Within	NR/CR - Eligible
002695		Historic Built Environment	Contra Costa/Clayton Canal bridges and culverts. Bridges constructed of either timber or concrete and steel. 1937-1948	1993, 1995, 2003, 2005, 2008, 2009, 2010	Within	NR/CR - Not Eligible
002772		Historic Built Environment	PG&E South Tower-Contra Costa Transmission Line. Double circuit lattice towers constructed of steel placed on concrete foundations. C. 1942	2002	Within	NR/CR - Not Eligible
002774		Historic Built Environment	Standard Oil Undercrossing. 2 side-by-side single spans for two directions of traffic on State Route 4. Spans are cast in place concrete slabs. 1953	2002	Within	NR/CR - Not Eligible

PREVIOUSLY RECORDED CULTURAL RESOURCES

Primary No. (P-07-)	Trinomial No. (CA-CCO-)	Resource Type	Resource Description	Year Recorded	Distance From Project Area	NRHP /CRHR Status
002775		Historic Built Environment	Los Medanos Wasteway & Culvert. "U" shaped, earth-lined channel, 15 feet deep and 40 feet wide. 1937	2002	Within	NR/CR – Not Eligible
002776		Historic Built Environment	Contra Loma Drain. 3-channel concrete box culvert with concrete headerwall and 2 board formed wing walls. 1952	2002	Within	NR/CR – Not Eligible
002777		Historic Built Environment	Contra Loma Undercrossing bridge. 2 identical side-by-side bridges with reinforced concrete slabs and abutments. 1953	2002	Within	NR/CR – Not Eligible
002778		Historic Built Environment	Single family residence. 1018 Fitzuren Road. One-story wood framed house with garage and small shed. Minimal traditional style. 1941	2002	Within	NR/CR – Not Eligible
002779		Historic Built Environment	Sycamore Park Subdivision. Residential subdivision with single family residences. Ranch House style. 1947	2002, 2006	Within	NR/CR – Not Eligible
002780		Historic Built Environment	Hawthorne Hill Subdivision. Residential subdivision with single family residences. Ranch House style. 1951	2007	Within	NR/CR – Not Eligible
002781		Historic Built Environment	Mission Subdivision. Residential subdivision with single family residences. Ranch House and Minimal Traditional style. 1946	2002	Within	NR/CR – Not Eligible

PREVIOUSLY RECORDED CULTURAL RESOURCES

Primary No. (P-07-)	Trinomial No. (CA-CCO-)	Resource Type	Resource Description	Year Recorded	Distance From Project Area	NRHP /CRHR Status
002782		Historic Built Environment	Piedmont Terrace. Residential subdivision with single family residences. Ranch House and Contemporary style. 1953	2002	Within	NR/CR – Not Eligible
002783		Historic Built Environment	Single family residence. 909 Fitzuren Road. Minimal Traditional style. 1951	2002	Within	NR/CR – Not Eligible
002784		Historic Built Environment	John Marsh Elementary School. 2304 G Street. 3-wing main classroom building, 2-story multipurpose room, library building, five classroom annexes and a cluster of modern modular classrooms. Modern style. 1947	2002	Within	NR/CR – Not Eligible
002785		Historic Built Environment	Single family residence. 10 Texas Street. 1948	2002	Within	NR/CR – Not Eligible
002786		Historic Built Environment	Pentecostal Holiness Church. 11 Texas Street. Single story buildings connected by covered flat roof section, walkway. Minimal Traditional style. 1954	2002	Within	NR/CR – Not Eligible
002787		Historic Built Environment	2 single family residences. 623 Texas Street & 2405 G Street. Minimal Traditional style. 1946/1950	2002	Within	NR/CR – Not Eligible
002788		Historic Built Environment	Single family residence. 2515 Gem Lane. Minimal Traditional style. 1948	2002	Within	NR/CR – Not Eligible

PREVIOUSLY RECORDED CULTURAL RESOURCES

Primary No. (P-07-)	Trinomial No. (CA-CCO-)	Resource Type	Resource Description	Year Recorded	Distance From Project Area	NRHP /CRHR Status
002789		Historic Built Environment	G Street Overcrossing bridge. Concrete continuous tee beam structure with reinforced concrete window railing. 1953	2002	Within	NR/CR – Not Eligible
002790		Historic Built Environment	Single family residence. 2509 D Street. Craftsman Bungalow style. 1937	2002	Within	NR/CR – Not Eligible
002791		Historic Built Environment	2 single family residences. 2518-2520 D Street. Minimal Traditional style. 1940	2002	Within	NR/CR – Not Eligible
002792		Historic Built Environment	Single family residence and garage. 20 Drake Street. Minimal Traditional style. 1942	2002	Within	NR/CR – Not Eligible
002793		Historic Built Environment	Single family residence. 208 Drake Street. Minimal Traditional style. 1930	2002	Within	NR/CR – Not Eligible
002794		Historic Built Environment	Single family residence. 210 Drake Street. Minimal Traditional style. 1939	2002	Within	NR/CR – Not Eligible
002795		Historic Built Environment	Single family residence. 214 Drake Street. Minimal Traditional style. 1934	2002	Within	NR/CR – Not Eligible
002796		Historic Built Environment	Single family residence and garage. 218 Drake Street. Minimal Traditional style. 1934	2002	Within	NR/CR – Not Eligible
002797		Historic Built Environment	Single family residence, secondary residence and garage. 22 Drake Street. Bungalow style. 1922/1932	2002	Within	NR/CR – Not Eligible
002798		Historic Built Environment	Single family residence. 222 Drake Street. Craftsman style. 1934	2002	Within	NR/CR – Not Eligible

PREVIOUSLY RECORDED CULTURAL RESOURCES

Primary No. (P-07-)	Trinomial No. (CA-CCO-)	Resource Type	Resource Description	Year Recorded	Distance From Project Area	NRHP /CRHR Status
002799		Historic Built Environment	Single family residence. 224 Drake Street. Craftsman Bungalow style. 1934	2002	Within	NR/CR – Not Eligible
002801		Historic Built Environment	Single family residence, extension and garage. 230 Drake Street. Minimal Traditional style. 1934	2002	Within	NR/CR – Not Eligible
002802		Historic Built Environment	Single family residence and garage. 28 Drake Street. Craftsman style. 1929	2002	Within	NR/CR – Not Eligible
002803		Historic Built Environment	Single family residence and garage. 34 Drake Street. Craftsman style. 1929	2002	Within	NR/CR – Not Eligible
002804		Historic Built Environment	Single family residence. 308 Drake Street. Minimal Traditional style. 1946	2002	Within	NR/CR – Not Eligible
002805		Historic Built Environment	Single family residence. 310 Drake Street. Minimal Traditional style. 1941	2002	Within	NR/CR – Not Eligible
002806		Historic Built Environment	Single family residence and secondary residence. 316 Drake Street. Minimal Traditional style. 1945	2002	Within	NR/CR – Not Eligible
002807		Historic Built Environment	Single family residence. 318 Drake Street. Minimal Traditional style. 1940	2002	Within	NR/CR – Not Eligible
002808		Historic Built Environment	Single family residence and shed. 322 Drake Street. California Bungalow style. 1948	2002	Within	NR/CR – Not Eligible
002809		Historic Built Environment	Single family residence. 324 Drake Street. Minimal Traditional style. 1946	2002	Within	NR/CR – Not Eligible
002810		Historic Built Environment	Single family residence and garage. 330 Drake Street. Minimal Traditional style. 1947	2002	Within	NR/CR – Not Eligible

PREVIOUSLY RECORDED CULTURAL RESOURCES

Primary No. (P-07-)	Trinomial No. (CA-CCO-)	Resource Type	Resource Description	Year Recorded	Distance From Project Area	NRHP /CRHR Status
002811		Historic Built Environment	Single family residence. 334 Drake Street. Minimal Traditional style. 1946	2002	Within	NR/CR – Not Eligible
002812		Historic Built Environment	Single family residence. 338 Drake Street. Minimal Traditional style. 1942	2002	Within	NR/CR – Not Eligible
002813		Historic Built Environment	Single family residence. 440 Drake Street. Minimal Traditional style. 1942	2002	Within	NR/CR – Not Eligible
002814		Historic Built Environment	Single family residence. 442 Drake Street. Minimal Traditional style. 1941	2002	Within	NR/CR – Not Eligible
002815		Historic Built Environment	Single family residence. 444 Drake Street. Minimal Traditional style. 1942	2002	Within	NR/CR – Not Eligible
002816		Historic Built Environment	Single family residence. 508 Drake Street. Minimal Traditional style. 1941	2002	Within	NR/CR – Not Eligible
002817		Historic Built Environment	Single family residence. 514 Drake Street. Minimal Traditional style. 1946	2002	Within	NR/CR – Not Eligible
002818		Historic Built Environment	Single family residence. 538 Drake Street. Minimal Traditional style. 1942	2002	Within	NR/CR – Not Eligible
002819		Historic Built Environment	Single family residence. 600 Drake Street. Minimal Traditional style. 1946	2002	Within	NR/CR – Not Eligible
002820		Historic Built Environment	2 Single family residences. 602-604 Drake Street. Minimal Traditional style. 1948	2002	Within	NR/CR – Not Eligible
002821		Historic Built Environment	2 Single family residences. 612-612 1/2 Drake Street. Minimal Traditional style. 1948/1950	2002	Within	NR/CR – Not Eligible

PREVIOUSLY RECORDED CULTURAL RESOURCES

Primary No. (P-07-)	Trinomial No. (CA-CCO-)	Resource Type	Resource Description	Year Recorded	Distance From Project Area	NRHP /CRHR Status
002822		Historic Built Environment	Single family residence. 614 Drake Street. Minimal Traditional style. 1947	2002	Within	NR/CR – Not Eligible
002823		Historic Built Environment	2 Single family residences. 616-618 Drake Street. Minimal Traditional style. 1900/1964	2007	Within	NR/CR – Not Eligible
002824		Historic Built Environment	Single family residence. 2512 Lindberg Street. Minimal Traditional style. 1938	2002	Within	NR/CR – Not Eligible
002825		Historic Built Environment	Single family residence. 2515 Lindberg Street. Ranch style. 1956	2002	Within	NR/CR – Not Eligible
002826		Historic Built Environment	Templo Santo Open Bible Church. 2400 A Street. 3-part building, Neo-Eclectic style. 1949	2002	Within	NR/CR – Not Eligible
002827		Historic Built Environment	Single family residence. 2406 A Street. Craftsman style. 1929	2002	Within	NR/CR – Not Eligible
002828		Historic Built Environment	Single family residence. 2408 A Street. Ranch style. 1955	2002	Within	NR/CR – Not Eligible
002829		Historic Built Environment	2 single family residences. 312-316 West Tregallas Road. Minimal Traditional style. 1949	2002	Within	NR/CR – Not Eligible
002830		Historic Built Environment	Single family residence. 297 West Tregallas Road. Minimal Traditional style. 1947	2002	Within	NR/CR – Not Eligible
002831		Historic Built Environment	Single family residence. 299 West Tregallas Road. Minimal Traditional style. 1946	2002	Within	NR/CR – Not Eligible

PREVIOUSLY RECORDED CULTURAL RESOURCES

Primary No. (P-07-)	Trinomial No. (CA-CCO-)	Resource Type	Resource Description	Year Recorded	Distance From Project Area	NRHP /CRHR Status
002832		Historic Built Environment	Single family residence. 2713 D Street. Craftsman style. 1937	2002	Within	NR/CR – Not Eligible
002833		Historic Built Environment	Single family residence. 2710 East Tregallas Road. Craftsman style. 1929	2002	Within	NR/CR – Not Eligible
002834		Historic Built Environment	Single family residence. 2714 East Tregallas Road. Minimal Traditional style. 1954	2002	Within	NR/CR – Not Eligible
002835		Historic Built Environment	Single family residence. 2716 East Tregallas Road. Craftsman style. 1930	2002	Within	NR/CR – Not Eligible
002836		Historic Built Environment	Single family residence, storage shed and 2 metal frame car shelters. 39 Texas Street. 1953	2003	Within	NR/CR – Not Eligible
002837		Historic Built Environment	Single family residence. 33 Texas Street. 1950	2003	Within	NR/CR – Not Eligible
002838		Historic Built Environment	Single family residence and shed. 21 Texas Street. 1953	2003	Within	NR/CR – Not Eligible
002839		Historic Built Environment	Sunset Gardens Unit No. 1, 2, & 3. 52 individual single family residences. Minimal Traditional style. 1950-1953	2002	Within	NR/CR – Not Eligible
002840		Historic Built Environment	Westwood Estates Subdivision. Residential subdivision of single family homes. Ranch style. 1956	2002	Within	NR/CR – Not Eligible
002841		Historic Built Environment	Garrow Subdivision Unit No. 1. Residential subdivision of single family homes. Ranch style. 1952-1954	2002	Within	NR/CR – Not Eligible

PREVIOUSLY RECORDED CULTURAL RESOURCES

Primary No. (P-07-)	Trinomial No. (CA-CCO-)	Resource Type	Resource Description	Year Recorded	Distance From Project Area	NRHP /CRHR Status
002842		Historic Built Environment	Garrow Subdivision Unit No. 2. Residential subdivision of single family homes. Minimal Traditional style. 1952-1953	2002	Within	NR/CR – Not Eligible
002843		Historic Built Environment	Elena Manor Unit No. 1. Residential subdivision of single family homes. Ranch style. 1955-1956	2002	Within	NR/CR – Not Eligible
002844		Historic Built Environment	Single family residence. 1208 Sunset Drive. Ranch style. 1956	2002	Within	NR/CR – Not Eligible
002845		Historic Built Environment	Single family residence. 1214 Sunset Drive. Minimal Traditional style. 1954	2002	Within	NR/CR – Not Eligible
002846		Historic Built Environment	2 apartment buildings. 850 East Tregallas Road. Minimal Traditional style. 1948/1969	2002	Within	NR/CR – Not Eligible
002847		Historic Built Environment	Single family residence, secondary residence and apartment building. 208 East Tregallas Road. Minimal Traditional style. 1940	2002	Within	NR/CR – Not Eligible
002848		Historic Built Environment	Single family residence. 212 East Tregallas Road. Tudor Revival style. 1935	2002	Within	NR/CR – Not Eligible
002849		Historic Built Environment	Single family residence. 220 East Tregallas. Minimal Traditional style. 1942	2002	Within	NR/CR – Not Eligible
002850		Historic Built Environment	Single family residence and garage. 310 East Tregallas Road. Minimal Traditional style. 1948	2002	Within	NR/CR – Not Eligible
002851		Historic Built Environment	Single family residence. 318 East Tregallas Road. Craftsman style. 1939	2002	Within	NR/CR – Not Eligible

PREVIOUSLY RECORDED CULTURAL RESOURCES

Primary No. (P-07-)	Trinomial No. (CA-CCO-)	Resource Type	Resource Description	Year Recorded	Distance From Project Area	NRHP /CRHR Status
002853		Historic Built Environment	Single family residence and garage. 328 East Tregallas Road. Workingman's Four-Square Cottage style. 1912	2002	Within	NR/CR – Not Eligible
002876		Historic Archaeological Site	Scatter of domestic refuse associated with mid-20th century residential community.	2003	Within	NR/CR – Not Eligible
002882		Historic Built Environment	Single family residence. 2502 Willow Avenue. Minimal Traditional style. 1943	2002	Within	NR/CR – Not Eligible
002883		Historic Built Environment	Single family residence, large outbuilding and shed. Terminus of Willow Avenue. Craftsman style. 1931	2002, 2008	Within	NR/CR – Not Eligible
002884		Historic Built Environment	Single family residence. 317 West 20th Street. Bungalow style. 1935	2006	Within	NR/CR – Not Eligible
002885		Historic Built Environment	Single family residence. 329 West 20th Street. Bungalow style. 1937	2006	Within	NR/CR – Not Eligible
002886		Historic Built Environment	Single family residence. 415 West 20th Street. Bungalow style. 1927	2006	Within	NR/CR – Not Eligible
002887		Historic Built Environment	Single family residence. 419 West 20th Street. Bungalow style. 1927	2006	Within	NR/CR – Not Eligible
002888		Historic Built Environment	Single family residence. 224 Lawton Street. Bungalow style. 1926	2006	Within	NR/CR – Not Eligible
002889		Historic Built Environment	Single family residence. 220 Lawton Street. Bungalow style. 1945	2006	Within	NR/CR – Not Eligible

PREVIOUSLY RECORDED CULTURAL RESOURCES

Primary No. (P-07-)	Trinomial No. (CA-CCO-)	Resource Type	Resource Description	Year Recorded	Distance From Project Area	NRHP /CRHR Status
002890		Historic Built Environment	Single family residence. 210 Lawton Street. Bungalow style. 1945	2006	Within	NR/CR – Not Eligible
002891		Historic Built Environment	3 single family residences. 2137-2141 Alpha Way. Vernacular style, Bungalow style and Ranch style. 1930/1935/1950	2006	Within	NR/CR – Not Eligible
002892		Historic Built Environment	Bidwell Elementary School. Educational complex of four classroom wings and auditorium. 800 Gary Avenue. Modern style. 1958	2006	Within	NR/CR – Eligible under Criterion C and Criterion 3
002893		Historic Built Environment	Lynwood Estates Subdivision. Residential subdivision of single family residences. Ranch style. 1952	2006	Within	NR/CR – Not Eligible
002895		Historic Built Environment	Farmstead of 3 single family residences, 4 car garage, barn and shed. 3051 Empire Avenue. Bungalow style. 1922	2006	Within	NR/CR – Not Eligible
002923		Historic Built Environment	Newlove Oil Pumping Station. 3995 Willow Road. Industrial style. C. 1916	2008	Within	NR- Not Eligible
002950		Historic Built Environment	Contra Costa Substation. Substation building, 2 utilitarian buildings and switching yard. 2111 Hillcrest Avenue. 1925	2008	Within	NR/CR – Not Eligible
002951		Historic Built Environment	Contra Costa Las Positas Transmission Line. Steel lattice towers with concrete footings. 1925-1926, C. 1972	2008	Within	NR/CR – Not Eligible

PREVIOUSLY RECORDED CULTURAL RESOURCES

Primary No. (P-07-)	Trinomial No. (CA-CCO-)	Resource Type	Resource Description	Year Recorded	Distance From Project Area	NRHP /CRHR Status
002952		Historic Archaeological Site	Artifact scatter glass fragments, red brick, white leather shoe, pocket magnifying glass, nails and a metal door hinge.	2008	Within	Unevaluated
003002		Historic Archaeological Site	Historic period almond orchard. Two dozen almond trees and fragments of historic glass associated with domestic residence. 1942	2009	Within	Unevaluated
004622		Historic Archaeological Site	2 large piles of mixed historic/modern debris. 3 square nails and other debris.	2008	Within	Unevaluated
004623		Historic Archaeological Site	Refuse deposit. 8-foot-long utility pole, pieces of corroded metal, glazed ceramic pipe fragments, bottle fragments, barbed wire, 3 faunal bone fragments and a shotgun shell.	2011	Within	Unevaluated
004624		Historic Archaeological Site	Isolated shard of bottle glass. Late 1800s.	2012	Within	Unevaluated
004625		Prehistoric Archaeological Site	5 obsidian pressure flakes.	2011	Within	Unevaluated
004626		Historic Archaeological Site	Salt-glazed stoneware ceramic jug or crock sherds and corroded metal fragments.	2011	Within	CR – Not Eligible
004627		Historic Archaeological Site	Cobalt blue glass bottle isolate. Post 1920	2012	Within	CR – Not Eligible
004628		Historic Archaeological Site	Redwood post with attached fragments of barbed wire and a round head spike.	2012	Within	CR – Not Eligible

PREVIOUSLY RECORDED CULTURAL RESOURCES

Primary No. (P-07-)	Trinomial No. (CA-CCO-)	Resource Type	Resource Description	Year Recorded	Distance From Project Area	NRHP /CRHR Status
004629		Multi-Component Site	Charcoal lens feature with obsidian pressure flakes, fragment of corroded cast iron and fragments of a machine-made square nail.	2012	Within	Unevaluated
004688		Historic Built Environment	Contra Costa – Moraga/Pittsburg-Tesla PG&E Transmission Lines. Two lines with riveted steel lattice towers on concrete piers. Late 1920s	2011	Within	NR – Eligible under Criteria A and C
004703		Historic Built Environment	Park Middle School. One large rectangular building. 1 Spartan Way. Brutalist style. C. 1960	2014	Within	NR/CR – Not Eligible
004704		Historic Built Environment	Sutter Elementary School. 2 sets of octagonal one-story buildings. 3410 Longview Road. Mid-Century Modern style. 1964	2014	Within	NR/CR – Not Eligible
004706		Historic Built Environment	Contra Costa County Fairgrounds. One 2-story building, two 1-story buildings, 3 post-and-beam buildings, wood frame barn, concrete block restroom and three Ranch style buildings. 1201 West 10th Street. Mid-Century Modern style. C. 1950	2014	Within	NR/CR – Not Eligible
004765		Prehistoric Archaeological Site	Two fragments of indurated sandstone bowl mortar isolate.	1984	Within	Unevaluated

PREVIOUSLY RECORDED CULTURAL RESOURCES

Primary No. (P-07-)	Trinomial No. (CA-CCO-)	Resource Type	Resource Description	Year Recorded	Distance From Project Area	NRHP /CRHR Status
004808		Historic Built Environment	Historic aged farm complex. Residential building and corrugated metal storage building with associated agricultural implements and other debris. 2800 Empire Avenue. Ranch and Minimal styles. 1939	2016	Within	NR/CR – Not Eligible
004826		Historic Built Environment	PG&E Lattice Tower. 3 steel lattice type transmission towers on concrete block footings. 1030 Apollo Court. Modern style. Pre 1957	2016	Within	NR/CR – Not Eligible
004833		Historic Built Environment	Antioch Water Treatment Plant, Building A. Multi-component building built to treat water from the Antioch Municipal Reservoir. Industrial Mid-Century Modern style. 1947-1949	2017	Within	NR/CR – Not Eligible
004965		Historic Built Environment	Segment of historic-period Empire Mine Road. 0.3 mile long, 21 feet wide paved segment of roadway. C. 1898	2017	Within	Unevaluated
004966		Historic Built Environment	Segment of historic-period road grade. Former route of a spur of the narrow-gauge Empire Railroad. C. 1898	2017	Within	Unevaluated
004967		Historic Archaeological Site	Historic aged iron water tank. 8 foot diameter, 15 foot tall iron tank 2 tires and milled wood around base of tank.	2017	Within	Unevaluated

PREVIOUSLY RECORDED CULTURAL RESOURCES

Primary No. (P-07-)	Trinomial No. (CA-CCO-)	Resource Type	Resource Description	Year Recorded	Distance From Project Area	NRHP /CRHR Status
004976		Historic Archaeological Site	Two segments of remnant fence line. Connected timber posts with barbed wire, staples and wire nails.	2020	Within	Unevaluated

c. BLM Land Grants**BLM LAND GRANTS**

Accession	Names	Date	Authority	Township (T); Range (R); Section (S)
CACAAA 000023	Central Pacific Railroad Co.	4/3/1872	Grant-RR O and C	T:1N, R:1E, S:1
CACAAA 031808		12/24/1872	Grant-RR Union and Central	T:1N, R:2E, S:7
CACAAA 034034		7/15/1880	Grant-RR Union and Central	T:2N, R:2E, S:17
CACAAA 034033		11/23/1875	Grant-RR Union and Central	T:2N, R:2E, S:19
CACAAA 034000		4/9/1870	Grant-RR Union and Central	T:2N, R:2E, S:21
CACAAA 034000		4/9/1870	Grant-RR Union and Central	T:2N, R:2E, S:29
CACAAA 034033		11/23/1875	Grant-RR Union and Central	T:2N, R:2E, S:29
CACAAA 034033		11/23/1875	Grant-RR Union and Central	T:2N, R:2E, S:33
CACAAA 034000		4/9/1870	Grant-RR Union and Central	T:2N, R:2E, S:31
CACAAA 000007	Western Pacific Railroad Co.	5/31/1870	Grant-RR O and C	T:1N, R:1E, S:1
		5/31/1870		T:1N, R:1E, S:3
				T:1N, R:1E, S:13
				T:1N, R:2E, S:5
				T:1N, R:2E, S:9
				T:1N, R:2E, S:19
CACAAA 002198	State of California	4/2/1870	Indemnity Selections	T:1N, R:1E, S:2
CACAAA 031668		4/8/1867	Grant-Certain Land to State	T:1N, R:1E, S:12
CACAAA 000111		3/13/1877	Indemnity Selections	T:1N, R:2E, S:8
CACAAA 034039		4/24/1896	Swamp Land Grant-Patent	T:2N, R:2E, S:16
CACAAA 033998		7/22/1867	Swamp Land Grant-Patent	T:2N, R:2E, S:18
CACAAA 000001 KL		12/24/1862 7/22/1867	California Enabling Act Swamp Land Grant-Patent	T:2N, R:2E, S:16 T:2N, R:2E, S:17
CACAAA 000084	USA	2/27/1917	Indemnity List Base-Valid Lie	T:2N, R:2E, S:16
CACAAA 017006 03		2/7/1922		
CACAAA 017535 02		7/10/1895		
CA0060___.044	Flynn, Martin	5/20/1872	Sale-Cash Entry	T:1N, R:1E, S:12
CA0040___.499	Griffin, Patrick	3/20/1871	Sale-Cash Entry	T:1N, R:1E, S:12
CACAAA 031668 01	Rodrigues, Juan Rodrigues, Ramon Smith, Nicholas	10/17/1868	Grant-Certain Land to State	T:1N, R:1E, S:12
AGS-0371-209	Campion, Michael	2/10/1874	Stat Grant- Agri College	T:1N, R:2E, S:4
CACAAA 033967		2/10/1874	Scrip or Nature Scrip	
AGS-0371-210	Fitzpatrick, John	2/10/1874	Stat Grant- Agri College	T:1N, R:2E, S:4
CACAAA 033969			Scrip or Nature of Scrip	
CA0050___.200	Lewis, Daniel A.	10/5/1871	Sale-Cash Entry	T:1N, R:2E, S:4
AGS-0371-275	Shannon, Thomas	7/1/1874	Stat Grant- Agri College	T:1N, R:2E, S:4
CACAAA 033974			Scrip or Nature of Scrip	
CA0040___.118	Brancher, Stephen	5/2/1870	Sale-Cash Entry	T:1N, R:2E, S:6
AGS-0297-269	Mulhare, Patrick	1/5/1872	Stat Grant- Agri College	T:1N, R:2E, S:6
CACAAA 033959	Mulhase, Patrick E.	1/5/1872	Scrip or Nature of Scrip	T:1N, R:2E, S:6

BLM LAND GRANTS

Accession	Names	Date	Authority	Township (T); Range (R); Section (S)
CA0040__342	Oliver, Samuel	9/10/1870	Sale-Cash Entry	T:1N, R:2E, S:6
CA0030__487	Vanamringe., Benjamin F.	5/2/1870	Sale-Cash Entry	T:1N, R:2E, S:6
CA0040__206	Birmingham, Peter	5/10/1870	Sale-Cash Entry	T:1N, R:2E, S:7
AGS-0371-346	Campbell, James	7/1/1874	Stat Grant- Agri College	T:1N, R:2E, S:8
CA0040__173	Love, Robert	5/10/1870	Sale-Cash Entry	T:1N, R:2E, S:8
CA0050__058	Rassette, John B.	6/5/1871	Sale-Cash Entry	T:1N, R:2E, S:8
AGS-0371-289	Dukes, James	7/1/1874	State Grant-Agri College	T:1N, R:2E, S:18
CACAAA 033972			Scrip or Nature of Scrip	
AGS-0371-345	Goulding, John	7/1/1874	State Grant-Agri College	T:1N, R:2E, S:18
CACAAA 033980			Scrip or Nature of Scrip	
AGS-0297-372	Reed, Samuel B.	1/5/1872	State Grant-Agri College	T:1N, R:2E, S:18
CACAAA 033957			Scrip or Nature of Scrip	
CA0030__178	Stockton, James	5/15/1869	Sale-Cash Entry	T:1N, R:2E, S:18
CACAAA 033996	Carpenter, Benjamin	12/20/1866	Scrip or Nature of Scrip	T:2N, R:2E, S:17
MW-0466-494	Lamley, Mathew	12/20/1866	ScripWarrant Act of 1855	T:2N, R:2E, S:17
CA1630__209	Smith, William	4/6/1871	Sale-Cash Entry	T:2N, R:2E, S:18
CACAAA 034004	W.			
CA0020__454	Fuller, Robert R.	11/10/1868	Sale-Cash Entry	T:2N, R:2E, S:19
CACAAA 033999				
CA0010__432	Newman, George	5/1/1867	Sale-Cash Entry	T:2N, R:2E, S:19
CACAAA 033997	H.			
AGS-0359-391	Walker, Ida	4/1/1874	State Grant-Agri College	T:2N, R:2E, S:19
CACAAA 034029			Scrip or Nature of Scrip	
CACAAA 033996	Carpenter, Benjamin Lamley, Mathew	12/20/1866	Scrip or Nature of Scrip	T:2N, R:2E, S:20
AGS-0330-013	Graves, Amos M.	1/15/1872	State Grant-Agri College	T:2N, R:2E, S:20
CACAAA 034011		1/15/1872	Scrip or Nature of Scrip	T:2N, R:2E, S:20
AGS-0330-012		1/15/1872	Scrip or Nature of Scrip	T:2N, R:2E, S:20
AGS-0330-012	Graves, Martin A.	1/15/1872	State Grant-Agri College	T:2N, R:2E, S:20
CACAAA 034022	Grembath, Richard	4/1/1874	Scrip or Nature of Scrip	T:2N, R:2E, S:20
MW-0466-494	Lamley, Mathew Carpenter, Benjamin	12/20/1866	ScripWarrant Act of 1855	T:2N, R:2E, S:20
CA1630__438	Thon,	10/25/1871	Sale-Cash Entry	T:2N, R:2E, S:20
CACAAA 034010	Christopher			
AGS-0359-404	Trembath, Richard	4/1/1874	State Grant-Agri College	T:2N, R:2E, S:20
CACAAA 033996	Carpenter, Benjamin Lamley, Mathew	12/20/1866	Scrip or Nature of Scrip	T:2N, R:2E, S:20

BLM LAND GRANTS

Accession	Names	Date	Authority	Township (T); Range (R); Section (S)
CACAAA 034022	Grembath, Richard	4/1/1874	Scrip or Nature of Scrip	T:2N, R:2E, S:20
MW-0466-494	Lamley, Mathew Carpenter, Benjamin	12/20/1866	Scrip Warrant Act of 1855	T:2N, R:2E, S:20
MW-0566-035	Barnett, Christopher Edgecomb, Jabez	5/1/1875	Scrip Warrant Act of 1855	T:2N, R:2E, S:28
AGS-0375-011	Benedict, David K.	8/15/1874	State Grant-Agri College	T:2N, R:2E, S:28
AGS-0359-397	Heidorn, Henry	4/1/1874	State Grant-Agri College	T:2N, R:2E, S:28
AGS-0330-041	Whalehen, Thomas	1/15/1872	State Grant-Agri College	T:2N, R:2E, S:28
AGS-0359-394	Davison, William	4/1/1874	State Grant-Agri College	T:2N, R:2E, S:30
AGS-0359-254	Greenough, Charles C.	5/20/1873	State Grant-Agri College	T:2N, R:2E, S:30
AGS-0359-346	Tregellas, Edwin	4/1/1874	State Grant-Agri College	T:2N, R:2E, S:30
AGS-0359-395	Wallace, Thomas	4/1/1874	State Grant-Agri College	T:2N, R:2E, S:30
AGS-0359-396	Ahern, John	4/1/1874	State Grant-Agri College	T:2N, R:2E, S:32
CA1630__227	Byrne, Patrick	6/15/1871	Sale-Cash Entry	T:2N, R:2E, S:32
CA1750__173	Christeson, John P.	3/30/1882	Homestead Entry Original	T:2N, R:2E, S:32
CA1630__301	Martin, John	7/20/1871	Sale-Cash Entry	T:2N, R:2E, S:32
MW-0563-137	Fitzjohn, Alfred	4/15/1880	Scrip Warrant Act of 1855	T:2N, R:1E, S:25
CACAAA 031392	Lockwood, James		Scrip or Nature of Scrip	
CACAAA 031382	Gillis, Charlotte Gillis, James Woodruff, James G.	2/13/1878	Scrip or Nature of Scrip	T:2N, R:1E, S:25
MW-0566-411		2/13/1878	Scrip Warrant Act of 1855	
MW-0566-412	Hagadorn, William H.	2/13/1878	Scrip Warrant Act of 1855	T:2N, R:1E, S:25
CACAAA 031383	Johnson, Frederick M.			
CA0370__133	Hutchison, James B.	12/15/1879	Homestead Entry Original	T:2N, R:1E, S:25
CACAAA 031391				
CA0100__355	Bussman, Anton	9/23/1879	Sale-Cash Entry	T:2N, R:1E, S:26
CA0080__206	Gagen, John	4/1/1875	Sale-Cash Entry	T:2N, R:1E, S:26
CA0100__354	Nelson, Alexander A.	9/23/1879	Sale-Cash Entry	T:2N, R:1E, S:26
CA0370__032	Reilly, John	3/13/1879	Homestead Entry Original	T:2N, R:1E, S:26
CA0080__177	Williamson, William P.	4/1/1875	Sale-Cash Entry	T:2N, R:1E, S:26
CACAAA 031396	Charlotte, Morris	4/9/1881	Scrip or Nature of Scrip	T:2N, R:1E, S:27
MW-0563-430	Davis, Simeon Judson, Henry C.			

BLM LAND GRANTS

Accession	Names	Date	Authority	Township (T); Range (R); Section (S)
AGS-0363-335	Madison, James	11/20/1872	State Grant-Agri College	T:2N, R:1E, S:27
CACAAA 031313	Heirs of Madison, James	11/20/1872	Scrip or Nature of Scrip	T:2N, R:1E, S:27
CA0060__489	Sellers, Samuel	2/20/1874	Sale-Cash Entry	T:2N, R:1E, S:27
CA0070__302	Sellers, William G.	9/1/1874	Sale-Cash Entry	T:2N, R:1E, S:27
CA0090__177	Williams, Charles	3/1/1876	Sale-Cash Entry	T:2N, R:1E, S:27
CACAAA 031367	Carey, Tallcut P.	10/1/1874	Scrip or Nature of Scrip	T:2N, R:1E, S:28
AGS-0371-491	Patrick, Gallagher		State Grant-Agri College	
AGS-0297-494	Magee, Edward	2/20/1872	State Grant-Agri College	T:2N, R:1E, S:28
CACAAA 031285			Scrip or Nature of Scrip	
CA0100__353	Easton, James	9/23/1879	Sale-Cash Entry	T:2N, R:1E, S:34
CACAAA 031381	Easton, James Geer, Heman J.	11/20/1877	Scrip or Nature of Scrip	T:2N, R:1E, S:34
CA0090__179	Boothby, Moses	3/1/1876	Sale-Cash Entry	T:2N, R:1E, S:35
CA0390__054	H.	1/20/1883	Homestead Entry Original	
CACAAA 031397		1/20/1883	Homestead Entry Original	
CA0370__312	Hard, David T.	6/30/1880	Homestead Entry Original	T:2N, R:1E, S:35
CACAAA 031394				
CA0370__311	Maloney, Peter	6/30/1880	Homestead Entry Original	T:2N, R:1E, S:35
CACAAA 031393				
AGS-0363-401	Adams, Samuel	3/1/1873	State Grant-Agri College	T:2N, R:1E, S:36
CACAAA 031327				
CA0060__323	Brooks, Jonathan	12/14/1872	Sale-Cash Entry	T:2N, R:1E, S:36
AGS-0433-111	Burress, John E.	11/10/1879	State Grant-Agri College	T:2N, R:1E, S:36
CACAAA 031390			Scrip or Nature of Scrip	
CA0060__161	Hockabout, Benjamin	8/1/1872	Sale-Cash Entry	T:2N, R:1E, S:36
AGS-0371-060	Surgeson,	2/10/1874	State Grant-Agri College	T:2N, R:1E, S:36
CACAAA 031347	George	2/10/1874	Scrip or Nature of Scrip	

d. City of Antioch Historic Resources Inventory**HISTORIC RESOURCES INVENTORY FOR THE CITY OF ANTIOCH, UPDATED IN 2019**

HISTORIC RESOURCES INVENTORY

ANTIOCH AREA		
RESOURCE/ LOCATION	EVALUATION CATEGORY	SIGNIFICANCE/ IMPORTANCE
ANTIOCH LUMBER CO. 340 West Second Street Incorporated	Structure of Historical Significance/Architectural Specimen	One of the oldest mercantile firms in Antioch, founded in 1864 and thought to be the oldest lumber concern in California still in the business of selling lumber. Structure exhibits good planning and design and relates to early American architecture.
R.B. HARD BUILDING 815 First Street Moved to 809 First Street Incorporated	Structure of Historical Significance	This building was built in the mid-1860s by R.B. Hard, the first chairman and later president of the Antioch Board of Trustees in 1872.
DONLON HOME 606 West Third Street Moved to Coal Mine (Regional Park District) Incorporated	Structure of Historical Significance	This structure, built in the late 1870s was the birthplace of James D. Donlon, former Mayer of Antioch and City councilman for many years.
ANTIOCH PIONEERS LANDING SITE Foot of "F" Street at Waterfront	Site of Historic Event	Monument erected to denote the landing site of the pioneers that landed with Captain George W. Kimball and the birthplace of the City of Antioch on September 16, 1850.
FIRST CONGREGATIONAL CHURCH West Sixth and "F" Streets	Structure of Historical Significance	On June 12, 1865, Captain G.W. Kimball, pioneer settler, chaired a meeting for all those interested in forming a church. A constitution was adopted and the First Congregational church was founded. The original Church was dedicated May 16, 1869. The present structure, erected in 1891, is the oldest church building in Antioch.
WILLS RANCH HOUSE 319 W. Ninth St	Structure of Historical Significance	In 1868, T.N. Wills moved to Antioch and purchased 280 acres of land for farming. His home was built in 1871 and was the ancestral home of the Wills family and Helen Wills Moody, the tennis star.

EMPIRE RAILROAD SITE MOUNMENT & SECTION OF TRACKS Foot of "F" Street at Riverfront. Tracks removed & stored at Antioch streets yard.	<u>Site</u> of Historic Event	Monument erected to denote the narrow gauge railroad tracks of the Empire Railroad and the coal mining industry of 1877 to 1902. Coal was transported from mines to the coal wharf at Antioch by this railroad.
CHARLES MARSH HOUSE 601 West Fourth Street Incorporated	<u>Site</u> of Historic Significance	Although no longer standing, the home of Charles Marsh, son of pioneer John Marsh, built in 1887, was located here. Charles was a Justice of the Peace and a butcher. The structure was later the home of Judge Harley, famous jurist and lawyer in Contra Costa County.
JOSLIN HOME 502 West Second Street Incorporated	Structure of Historical Significance	Noted as an early business in Antioch. The structure was the residence and harness shop of J.B. Joslin.
ODD FELLOWS HALL W. Third and "H" Streets	Structure of Historical Significance	Structure was first known as Union Hall and was also the City Bakery. Later the San Joaquin Lodge #151 of Independent Order of Odd Fellows and Antioch Lodge #175 of Free and Accepted Masons held meetings here.
ATCHISON-TOPEKA AND SANTA FE DEPOT 816 West First Street	Structure of Historical Significance/Architectural Specimen	H.F. Beede of Rouse, Forman and Beede Lumber Company obtained the right-of-way for the railroads in 1899. The San Francisco and San Joaquin Valley Railroad now known as the Atchison-Topeka and Santa Fe had its Eastern Terminal in Antioch for many years. The depot was built about 1902 and until destroyed by fire was an example of style and architecture familiar to the Atchison-Topeka and Santa Fe Railroad.
McKELLIPS HOUSE 504 West Sixth Street	Structure of Historical Significance	Built in 1886 as the home of S. McKellips, locomotive engineer in charge of the rolling stock for the Empire Railroad. He fired up the "Empire" September 22, 1877, a 15-ton Baldwin Engine, the first engine to turn a wheel in Antioch.

ANTIOCH HOUSING, ENVIRONMENTAL HAZARDS, AND EJ ELEMENTS EIR

APPENDIX C: CULTURAL AND TRIBAL RESOURCES TECHNICAL REPORT AND BACKGROUND INFORMATION

ANTIOCH CITY HALL West Third and "H" Streets Incorporated	<u>Site</u> of Historic Significance	Although no longer standing, this structure was built in 1919 as City Hall and Jail. Structure was a two-story cut stone building with a medium hip roof, decorated boxed cornice frieze and brackets. Structural window detail varied from molded arch top and balcony shelf at bottom at the second story to Victorian style on the first floor. Door opening was arched with decorated flat columns attached flush to wall.
BROWN HOUSE 219 West Sixth Street Incorporated	Structure of Historical Significance	Built about 1890, this structure housed the G.W. Brown family and later Henry E. Beede. Both men were quite active in civic affairs and the development of Antioch.
REMFREE HOUSE 512 "E" Street Incorporated	<i>Architectural*</i> Specimen	Built about 1870, as home of Remfree, a local barber. It is a 1-½ story wood frame structure with a two-story tower at one corner having a conical shape roof. Gabled dormer extends from a medium hip roof. A bay window extends the height of the first story on the south side of the structure.
BEEDE HOUSE 119 Beede Way Incorporated	Structure of Historical Significance/ <i>Architectural</i> Specimen	About 1895, a Mr. Sloan built a home for Mr. H.F. Beede, known as "Country Home." The structure has two stories with medium hip roof and open verandas at the first and second story. Mr. Beede, a businessman and civic leader, is credited with forming the Riverview Union High School.
COX HOUSE 119 West Sixth Street Incorporated	<i>Architectural*</i> Specimen	A two story wood frame structure with high gable composition shingle roof, and combination of patterned wood shingle, board and batten and composition shingle siding. A plain horizontal band is located between floor levels to provide a wall design. Two large palm trees in front add to the overall appearance.
STAMM HOUSE 501 "B" Street Incorporated	<i>Architectural*</i> Specimen	A one story wood frame structure with a medium gable roof and low center gable over the front entrance. Main floor is elevated over a basement and platform type stairs to an open porch provides entrance. The structure reflects the architectural style circa 1910.

ANTIOCH HOUSING, ENVIRONMENTAL HAZARDS, AND EJ ELEMENTS EIR
APPENDIX C: CULTURAL AND TRIBAL RESOURCES TECHNICAL REPORT AND BACKGROUND INFORMATION

CASINO THEATER West First and "H" Streets	Structure of Historical Significance	Circa 1870s this site was the warehouse of one of the oldest mercantile firms in Antioch, now known as the Antioch Lumber Company, founded in 1864. Warehouse was later torn down for the Casino Theater circa 1910.
ANTIOCH GRAMMAR SCHOOL West Fifth and "G" Streets Incorporated	Site of Historic Event	The site of a very fine brick school building in 1880. It was replaced by a wooden building in 1890. Site is now occupied by the present Administration Offices of the Antioch School District.
MULHARE HOUSE West Second and "I" Streets	Site of Historic Event	Catholic services were first held in 1864 at this homesite. Part of the original home is enclosed within the present structure.
KIMBALL HOME West Third near "E" Street	Site Relating to Important Person in History	Site of Captain G.W. Kimball's home that he built in the Fall of 1850. One of the first settlers of Antioch, he was a Postmaster and served as a Justice of the Peace.
SMITH'S LANDING Fulton shipyard Road	Site Relating to Important Person in History	Site of W.W. Smith's home, an early settler and founder of Antioch. The first wharf built in Antioch known as Smith's Landing was located at this site.
EMPIRE BASIN AREA Empire Mine Road	Site of Historic Event	Served by the Empire Narrow Gauge Railroad to Antioch, 1878 to 1903. Sites of Judsonville, Empire Mine, Stewartsville and Star Mine.
HARKINSON HOUSE West Fourth and "D" Streets	Architectural* Specimen	A one-story wood frame structure with high gable roof and gable dormer. A turret with windows and conical roof is located over a porch that is semicircular in design and extends from the front of the structure, circa 1890.
GEORGE HOUSE 223 West Sixth Street Incorporated	Site Relating to Important Person in History	Although no longer standing, this structure was built for Dr. W.S. George, physician and surgeon. He was City Health officer, member of the City Trustees, a School Trustee, member of the Antioch Board of Trade and surgeon for the Southern Pacific and Santa Fe Railroad.

ANTIOCH HOUSING, ENVIRONMENTAL HAZARDS, AND EJ ELEMENTS EIR

APPENDIX C: CULTURAL AND TRIBAL RESOURCES TECHNICAL REPORT AND BACKGROUND INFORMATION

BAKER HARDWARE AND PAINT STORE West Second and "G" Streets	Structure of Historical Significance	Structure housed an early general hardware business in Antioch, circa 1880. The Antioch Post Office was located in the rear of the building periodically depending on which political party was in office.
PIONEER HOSPITAL West Fifth and "H" Streets	Structure of Historical Significance	Opened in 1930 by Dr. Nevino and operated by Mrs. Brooks, a nurse from San Francisco, for a few years. Now a residence.
RIVERVIEW UNION HIGH West FOURTH Street and Somersville Road Incorporated	Structure of Historical Significance/Architectural Specimen	The Riverview Union High School District was established June 1, 1903, and the school opened in 1910 with thirty-two pupils. This District included Antioch, Black Diamond, Somersville, Carbondale, and later the Live Oak area. Structure is a two story brick building with quoin wall design, flat roof with parapet and decorated window detail.
BELSHAW HOUSE West Seventh and "E" Streets	Structure of Historical Significance	Mr. Charles M. Belshaw was an active participant in local and state activities. He was a member of the State Assembly in 1894 and a State Senator in 1900.
MARSH LANDING Pacific Gas Electric	Site Relating to Important Person in History	Site of John Marsh's Ranch shipping center with a blacksmith shop, warehouse, smokehouse and landing area.
WILLIAMSON RANCH Lone Tree Road	Structure of Historical Significance/Architectural Specimen	This house was built by Williamson, one of the first settlers along Lone Tree Way. It was recently included on the National Register of Historic Places.



CULTURAL AND TRIBAL CULTURAL RESOURCES TECHNICAL REPORT FOR THE ANTIOCH HOUSING PROJECT, CITY OF ANTIOCH, CONTRA COSTA COUNTY, CALIFORNIA

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USGS 7.5' Quadrangles: Antioch North (1978), Antioch South (1980), Brentwood (1978), Jersey Island (1978)

Area: approximately 30 square miles

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SUMMARY OF FINDINGS

The objective of this study is to review and summarize available information regarding known archaeological and historical resources within the boundaries of the City of Antioch (City) to support an update of the City's General Plan.

The General Plan involves the preparation of an EIR for the City of Antioch's 6th Cycle Housing Element Update in compliance with the requirements of the California Environmental Quality Act (CEQA).

Cogstone requested a search of the California Historical Resources Information System (CHRIS) from the Northwest Information Center (NWIC) located at Sonoma State University, California on March 31, 2022, which included the entire City. Results of the record search indicate that 305 previous studies have been completed within the City. The NWIC also reported that 155 cultural resources have been recorded within the City.

In addition to the NWIC records search, a variety of sources were consulted in May 2022 to obtain information regarding the cultural context of the City. Sources included the National Register of Historic Places (NRHP), California Register of Historical Resources (CRHR), Built Environment Resource Directory (BERD), California Historical Landmarks (CHL), and California Points of Historical Interest (CPHI).

A Sacred Lands File (SLF) search was requested from the Native American Heritage Commission (NAHC) on March 31, 2022. On April 24, 2022, the NAHC responded that the SLF search was completed with negative results and provided a list of seven tribes that may have information about the Project Area. The City of Antioch completed Native American consultation in accordance with Assembly Bill (AB) 52 and Senate Bill (SB) 18.

PREHISTORIC ARCHAEOLOGICAL SITES

Prehistoric archaeological sites are known to cluster near water sources such as bays and rivers and in nearby areas. Developed areas within one-half mile of the San Joaquin River are assessed to have low to moderate sensitivity for prehistoric cultural resources as much of the riverside was built up prior to CEQA's enactment in 1970. Undeveloped areas within one-half mile of the San Joaquin River are assessed to have moderate sensitivity. The remainder of the City is assessed to have generally low sensitivity for undiscovered prehistoric resources.

HISTORIC-AGED ARCHAEOLOGICAL SITES

Historic-aged archaeological sites are most commonly located within the undeveloped southern-most quarter and in the northern portion of the City, north of California State Route 4. This southern portion is considered to be moderately sensitive for intact buried cultural deposits as are undeveloped areas north of California State Route 4. Developed areas north of this highway are assessed to have low to moderate sensitivity due to previous ground disturbance. The remainder of the City is assessed to have low sensitivity for intact buried historic-aged sites.

HISTORIC BUILT ENVIRONMENT RESOURCES

Location of all Historic Built Environment resources that have been determined to be significant at the national or local level in the City were mapped. These significant historic built environment resources cluster north of West 10th Street between A Street and L Street.

CONCLUSIONS

Based on available data sources, area of the City north of California State Route 4 are considered sensitive for all three prehistoric archaeological sites, historical aged archaeological , site and historic built environment resources. The area between A and L Street is where the majority of significant built environment resources are located, and the southernmost quarter is also sensitive for historic-aged archaeological sites.

Cogstone recommends that City General Plan Policies 10.9.1 and 10.9.2 are retained as a means or preserving current known cultural resources and as a framework for identifying and managing resources that are discovered in the future.

INTRODUCTION

PURPOSE OF STUDY

The objective of this study is to review and summarize available information regarding known archaeological and historical resources within the boundaries of the City of Antioch (City) to support an update of the City's General Plan. The City is located in Contra Costa County and covers approximately 30 square miles (Figure 1).

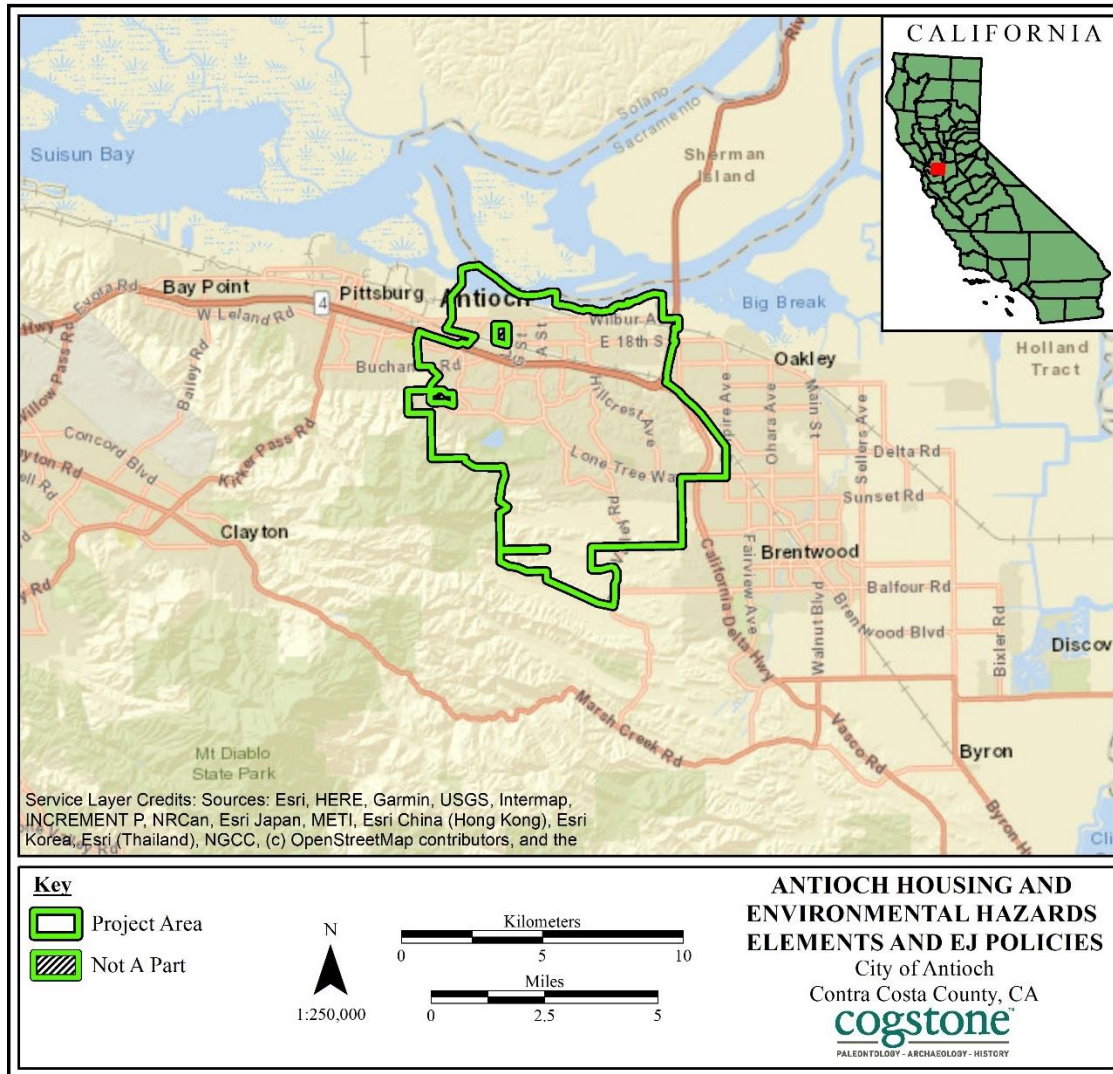


Figure 1. Project Vicinity Map

CITY LOCATION AND DESCRIPTION

The City of Antioch is located in the East Bay region of the San Francisco Bay Area within Contra Costa County, California (Figure 1). Antioch is bordered by the San Joaquin-Sacramento

River Delta to the north, the Diablo Mountains to the south, the city of Oakley to the east, and the city of Pittsburg to the west. California State Route (SR) 4, a major regional freeway, passes through the city diagonally in an east-west direction and connects Antioch to the Sierra foothills and neighboring city of Brentwood to the southeast, and to the rest of the San Francisco Bay Area to the west (Figures 2 and 3). Additionally, the City has its own Bay Area Rapid Transit (BART) station along the SR 4 corridor, further connecting the City to the rest of the Bay Area region to the west via a one-hour transit ride. California SR 160, another state roadway, also intersects Antioch, beginning in the northeastern portion of the City before it crosses the San Joaquin River and connects north to the city of Sacramento. Figure 2 shows both a local and regional context map of the City's jurisdictional boundaries. This boundary shall serve as the geographic extent of the study.

The City of Antioch encompasses approximately 30 square miles in total land area. While the predominate land use throughout the City is single-family residential uses, several areas throughout the City contain distinct land use patterns and development characteristics which contribute to the overall character of the city. These areas include the City's historic downtown, located in the northwestern part of the City along the San Joaquin River, and comprised of a diverse mix of land uses including commercial and retail storefronts and residential neighborhoods of varying historic architectural styles. This area is designated the Downtown Specific Plan Focus Area on the City's General Plan Land Use Map. Opposite of historic downtown, the eastern portion of the City's riverfront is primarily dedicated to heavy commercial and industrial uses, which provide a majority of the City's employment opportunities. This area is designated the Eastern Waterfront Employment Focus Area on the city's General Plan Land Use Map. Outside of downtown, commercial uses are concentrated along major roadway corridors including SR 4, Somersville Road, Lone Tree Way, and Hillcrest Avenue, which hosts the city's BART Station. These areas are designated the Hillcrest Station Focus Area, Western Gateway Focus Area, and East Lone Tree Specific Plan Focus Area on the City's General Plan Land Use Map.

The General Plan Update involves the preparation of an EIR for the City of Antioch's 6th Cycle Housing Element Update in compliance with the requirements of the California Environmental Quality Act (CEQA).

The City is primarily located within the Antioch North and Antioch South United States Geological Survey (USGS) 7.5-minute topographic quadrangle maps with smaller portions of the City extending into the Brentwood and Jersey Islands USGS topographic quadrangle maps. The cadastral information for the City is summarized in Table 1 below.

Table 1. City of Antioch cadastral information

USGS 7.5' Topographic Quad(s)	Township	Range	Section(s)
Antioch North	2N	1E	11, 13, 14, 15, 22, 23, 24
		2E	37, 38, 39, 40, 41, 42
Antioch South	1N	1E	1, 2, 11, 12, 13, 14
		2E	4, 5, 6, 7, 8, 9, 16, 17, 18, 19, 20
	2N	1E	22, 23, 24, 25, 26, 27, 28, 34, 35, 36
		2E	19, 20, 21, 28, 29, 30, 31, 32, 33
Brentwood	1N	2E	2, 3, 10, 15
	2N	2E	22, 27, 34, 35
Jersey Island	2N	2E	15, 22

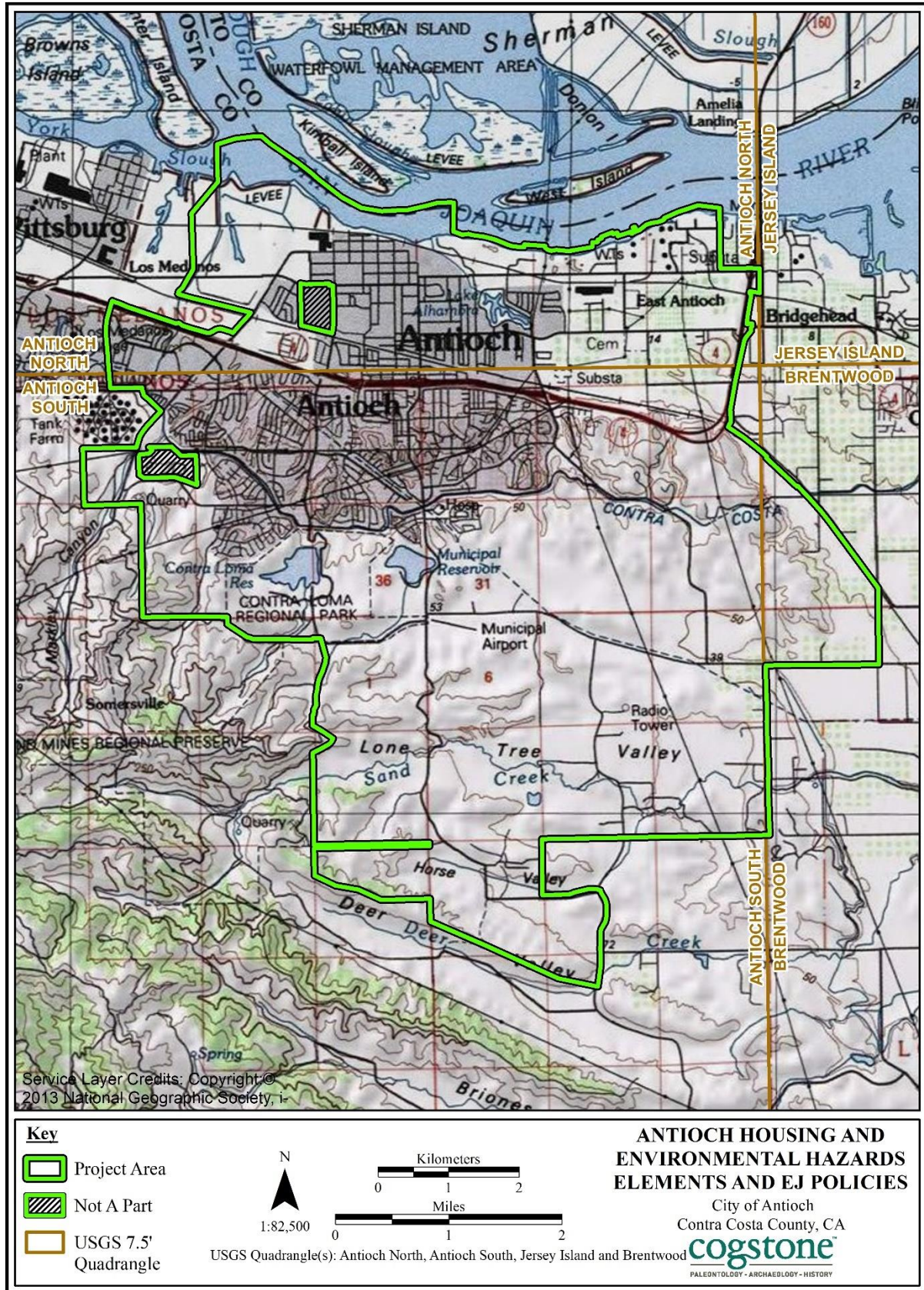


Figure 2. City Location Map

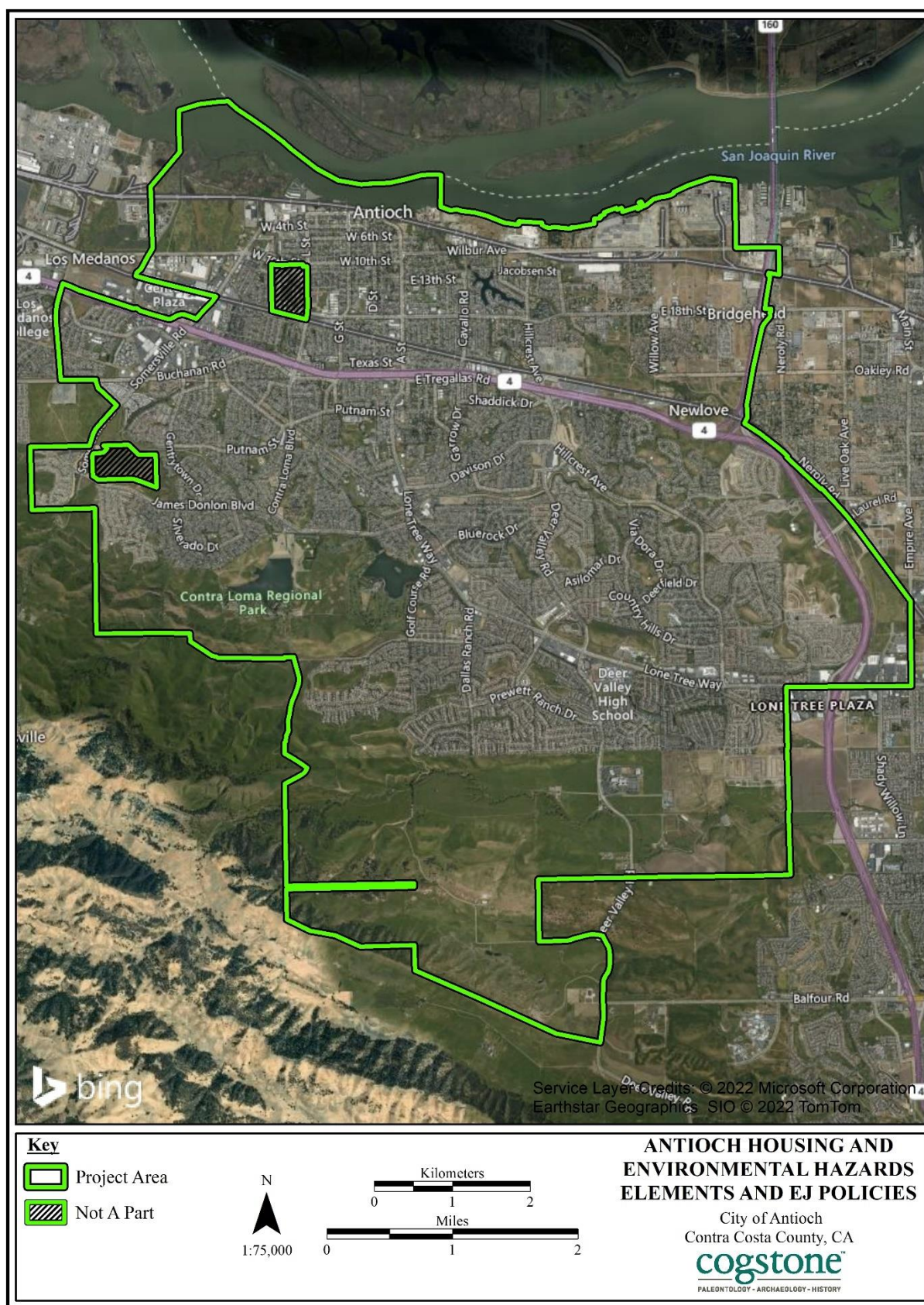


Figure 3. City Aerial Map

PROJECT PERSONNEL

Cogstone Resource Management, Inc. (Cogstone) conducted a cultural and built environment resources assessment and prepared this report. Brief resumes for key personnel are in Appendix A.

Molly Valasik provided overall QA/QC. Ms. Valasik has an MA in Anthropology from Kent State University in Ohio and over 13 years of experience in southern California archaeology.

John Gust, RPA, served as the Task Manager and Principal Investigator for Archaeology for the Project and reviewed this report. Dr. Gust has a Ph.D. in Anthropology from the University of California (UC), Riverside, and over ten years of experience in archaeology.

Sandy Duarte completed the additional sources consulted section and co-authored this report. Mrs. Duarte holds a B.A. in Anthropology from the UC Santa Barbara, and has more than 18 years of experience in California archaeology.

Logan Freeberg prepared the Geographic Information System (GIS) maps within this report. Mr. Freeberg has a B.A. in Anthropology from UC Santa Barbara, a GIS certificate from California State University, Fullerton, and has over 19 years of experience in California archaeology.

REGULATORY ENVIRONMENT

STATE LAWS AND REGULATIONS

CALIFORNIA ENVIRONMENTAL QUALITY ACT

CEQA states that: It is the policy of the state that public agencies should not approve projects as proposed if there are feasible alternatives or feasible mitigation measures available which would substantially lessen the significant environmental effects of such projects, and that the procedures required are intended to assist public agencies in systematically identifying both the significant effects of proposed project and the feasible alternatives or feasible mitigation measures which will avoid or substantially lessen such significant effects.

CEQA declares that it is state policy to: “take all action necessary to provide the people of this state with...historic environmental qualities.” It further states that public or private projects financed or approved by the state are subject to environmental review by the state. All such projects, unless entitled to an exemption, may proceed only after this requirement has been satisfied. CEQA requires detailed studies that analyze the environmental effects of a proposed

project. In the event that a project is determined to have a potential significant environmental effect, the act requires that alternative plans and mitigation measures be considered.

TRIBAL CULTURAL RESOURCES

As of 2015, CEQA established that “[a] project with an effect that may cause a substantial adverse change in the significance of a tribal cultural resource is a project that may have a significant effect on the environment” (Pub. Resources Code, § 21084.2). In order to be considered a “tribal cultural resource,” a resource must be either:

1. listed, or determined to be eligible for listing, on the national, state, or local register of historic resources, or
2. a resource that the lead agency chooses, in its discretion, to treat as a tribal cultural resource.

To help determine whether a project may have such an effect, the lead agency must consult with any California Native American tribe that requests consultation and is traditionally and culturally affiliated with the geographic area of a proposed project. If a lead agency determines that a project may cause a substantial adverse change to tribal cultural resources, the lead agency must consider measures to mitigate that impact. Public Resources Code §20184.3 (b)(2) provides examples of mitigation measures that lead agencies may consider to avoid or minimize impacts to tribal cultural resources.

PUBLIC RESOURCES CODE

Section 5097.5: No person shall knowingly and willfully excavate upon, or remove, destroy, injure or deface any historic or prehistoric ruins, burial grounds, archaeological or vertebrate paleontological site, including fossilized footprints, inscriptions made by human agency, or any other archaeological, paleontological or historical feature, situated on public lands (lands under state, county, city, district or public authority jurisdiction, or the jurisdiction of a public corporation), except with the express permission of the public agency having jurisdiction over such lands. Violation of this section is a misdemeanor. As used in this section, “public lands” means lands owned by, or under the jurisdiction of, the state, or any city, county, district, authority, or public corporation, or any agency thereof.

CALIFORNIA REGISTER OF HISTORICAL RESOURCES

The California Register of Historical Resources (CRHR) is a listing of all properties considered to be significant historical resources in the state. The California Register includes all properties listed or determined eligible for listing on the National Register, including properties evaluated under Section 106, and State Historical Landmarks No. 770 and above. The California Register statute specifically provides that historical resources listed, determined eligible for listing on the California Register by the State Historical Resources Commission, or resources that meet the California Register criteria are resources which must be given consideration under CEQA (see

above). Other resources, such as resources listed on local registers of historic resources or in local surveys, may be listed if they are determined by the State Historic Resources Commission to be significant in accordance with criteria and procedures to be adopted by the Commission and are nominated; their listing in the California Register is not automatic.

Resources eligible for listing include buildings, sites, structures, objects, or historic districts that retain historical integrity and are historically significant at the local, state or national level under one or more of the following four criteria:

- 1) It is associated with events that have made a significant contribution to the broad patterns of local or regional history, or the cultural heritage of California or the United States;
- 2) It is associated with the lives of persons important to local, California, or national history;
- 3) It embodies the distinctive characteristics of a type, period, region, or method of construction, or represents the work of a master or possesses high artistic values; or
- 4) It has yielded, or has the potential to yield, information important to the prehistory or history of the local area, California, or the nation.

In addition to having significance, resources must have integrity for the period of significance. The period of significance is the date or span of time within which significant events transpired, or significant individuals made their important contributions. Integrity is the authenticity of a historical resource's physical identity as evidenced by the survival of characteristics or historic fabric that existed during the resource's period of significance.

Alterations to a resource or changes in its use over time may have historical, cultural, or architectural significance. Simply, resources must retain enough of their historic character or appearance to be recognizable as historical resources and to convey the reasons for their significance. A resource that has lost its historic character or appearance may still have sufficient integrity for the California Register, if, under Criterion 4, it maintains the potential to yield significant scientific or historical information or specific data.

NATIVE AMERICAN HUMAN REMAINS

Sites that may contain human remains important to Native Americans must be identified and treated in a sensitive manner, consistent with state law (i.e., Health and Safety Code §7050.5 and Public Resources Code §5097.98), as reviewed below:

In the event that human remains are encountered during project development and in accordance with the Health and Safety Code Section 7050.5, the County Coroner must be notified if potentially human bone is discovered. The Coroner will then determine within two working days of being notified if the remains are subject to his or her authority. If the Coroner recognizes the remains to be Native American, he or she shall contact the Native American Heritage Commission (NAHC) by phone within 24 hours, in accordance with Public Resources Code

Section 5097.98. The NAHC will then designate a Most Likely Descendant (MLD) with respect to the human remains. The MLD then has the opportunity to recommend to the property owner or the person responsible for the excavation work means for treating or disposing, with appropriate dignity, the human remains and associated grave goods.

CALIFORNIA ADMINISTRATIVE CODE, TITLE 14, SECTION 4307

This section states that “No person shall remove, injure, deface or destroy any object of paleontological, archeological or historical interest or value.”

CITY OF ANTIOCH GENERAL PLAN POLICIES 10.9.1 AND 10.9.2

POLICY 10.9.1

Preserve archaeological, paleontological, and historic resources within the Antioch Planning Area for the benefit and education of future residents

POLICY 10.9.2

- a. Require new development to analyze, and therefore avoid or mitigate impacts to archaeological, paleontological, and historic resources. Require surveys for projects having the potential to impact archaeological, paleontological, or historic resources. If significant resources are found to be present, provide mitigation in accordance with applicable CEQA guidelines and provisions of the California Public Resources Code.
- b. If avoidance and/or preservation in the location of any potentially significant cultural resource is not possible, the following measures shall be initiated for each impacted site:
 - A participant-observer from the appropriate Indian Band or Tribe shall be used during archaeological testing or excavation in the project site.
 - Prior to the issuance of a grading permit for the project, the project proponent shall develop a test-level research design detailing how the cultural resource investigation shall be executed and providing specific research questions that shall be addressed through the excavation program. In particular, the testing program shall characterize the site constituents, horizontal and vertical extent, and, if possible, period of use. The testing program shall also address the California Register and National Register eligibility of the cultural resource and make recommendations as to the suitability of the resource for listing on either Register. The research design shall be submitted to the City of Antioch for review and comment. For sites determined, through the Testing Program, to be ineligible for listing on either the California or National Register, execution of the Testing Program will suffice as mitigation of project impacts to this resource.
 - After approval of the research design and prior to the issuance of a grading permit, the project proponent shall complete the excavation program as specified in the research design. The results of this excavation program shall be presented in a technical report that follows the City’s outline for Archaeological Testing. The Test

- Level Report shall be submitted to the City for review and comment. If cultural resources that would be affected by the project are found ineligible for listing on the California or National Register, test-level investigations will have depleted the scientific value of the sites and the project can proceed.
- If the resource is identified as being potentially eligible for either the California or National Register, and project designs cannot be altered to avoid impacting the site, a Treatment Program to mitigate project effects shall be initiated. A Treatment Plan detailing the objectives of the Treatment Program shall be developed. The Treatment Plan shall contain specific, testable hypotheses relative to the sites under study and shall attempt to address the potential of the sites to address these research questions. The Treatment Plan shall be submitted to the City for review and comment.
 - After approval of the Treatment Plan, the Treatment Program for affected, eligible sites shall be initiated. Typically, a Treatment Program involves excavation of a statistically representative sample of the site to preserve those resource values that qualify the site as being eligible for the California or National Register. At the conclusion of the excavation or research program, a Treatment Report shall be developed. This data recovery report shall be submitted to the City for review and comment.
- c. When existing information indicates that a site proposed for development may contain paleontological resources, a paleontologist shall monitor site grading activities with the authority to halt grading to collect uncovered paleontological resources, curate any resources collected with an appropriate reposition, and file a report with the Community Development Department documenting any paleontological resources found during site grading.
 - d. As a standard condition of approval for new development projects, require that if unanticipated cultural or paleontological resources are encountered during grading, alteration of earth materials in the vicinity of the find be halted until a qualified expert has evaluated the find and recorded identified cultural resources.
 - e. Preserve historic structures and ensure that alterations to historic buildings and their immediate settings are compatible with the character of the structure and the surrounding neighborhood.

BACKGROUND

PREHISTORIC SETTING

Early archaeological surveys in the San Francisco Bay Area (Bay Area) were conducted by Nels Nelson in 1907 and 1908, and resulted in the identification of over 400 “shell heaps, earth mounds, and a few minor localities that cannot be termed anything but temporary camp sites” (Nelson 1909:310). Nelson recorded more than 100 shellmounds along the bay shore of Alameda and Contra Costa counties, including some of the most important sites in central California, and mapped 18 sites in San Francisco County. Three sites in the northeast bay provided the basis for the initial study of cultural change in central California. These sites include the Emeryville shellmound (CA-ALA-309) in Alameda County, and two sites in Contra Costa County, the Ellis Landing site (CA-CCO-295) and the Fernandez site (CA-CCO-259), which is located slightly inland in Rodeo Valley.

Also, during the early 1900s, Llewellyn L. Loud described and mapped the remains of a dozen mounds at the north end of the Santa Clara Valley (Loud 1912). Many of the mounds were located within the Rancho Posolmi and had already been disturbed or destroyed by farming activities or construction. Loud’s excavations at CA-SCL-1, often referred to as the Castro Mound or Ponce site (Beardsley 1954:92-94; Moratto 1984:233), were among earliest and most extensive in the area. Among the cultural remains documented in the large mound midden were two house floors and 61 burials, many with mortuary items. Compared to other Bay Area mounds from the same period, Loud noted a difference in the number and type of shellfish remains in the assemblages from the South Bay sites.

The studies in the Bay Area conducted in the early 1900s on the northern, eastern, and southern bay shores formed the basis for an initial study of cultural change in the Bay Area and the Sacramento–San Joaquin Delta, and led to the later development of the Central California Taxonomic System (CCTS). The CCTS is the result of efforts of several researchers (e.g., Beardsley 1948, 1954; Heizer 1949) and has been further refined over the succeeding decades. The tripartite CCTS classification scheme defines three temporal periods (Early, Middle, and Late) that are marked by changes in distinct artifact types, subsistence orientation, and settlement patterns. The generalized periods are associated with regionally based cultural patterns (Bennyhoff and Fredrickson 1969; Wallace 1955, 1978). As employed by researchers in the Bay Area (e.g., Hylkema 2002; Lightfoot and Luby 2002; Milliken et al. 2007), these periods and associated patterns are outlined in Table 2.

Table 2. Archaeological Time Periods and Patterns in the Bay Area

Period	Cultural Pattern	Timeframe
Early Period	Millingstone Pattern Windmill Pattern*	11,000–5500 years before present (B.P.) 5500–2500 B.P.
Middle Period	Berkeley Pattern	2500–1000 B.P.
Late Period	Augustine Pattern	1000 B.P. to Historic Contact

* The presence of the Windmill Pattern during the Early Period in the Bay Area is controversial (e.g., Heizer 1949; Gerow with Force 1968; Gerow 1974; Bennyhoff and Fredrickson 1969; Moratto 1984; Bennyhoff 1994) and may be referred to elsewhere as the Lower Berkeley Pattern (e.g., Milliken et al. 2007).

EARLY PERIOD (11,000–2500 B.P.)

Archaeological evidence is rare of occupation in the Bay Area dating earlier than 6,000 years ago during the Early Holocene when sea levels were dramatically lower than today. It is likely that sea-level rise and Holocene alluvial deposits, which are up to 33 feet (10 meters) thick in some locations around the Bay region, buried many prehistoric sites in this area (Meyer 2004; Moratto 1984:221, 277; Ragir 1972). One of the oldest cultural deposits in the Bay Area is located at Tulare Hill. The Metcalf site (CA-SCL-178) was discovered 3.3 meters below the surface in buried soil at the mouth of Metcalf Creek and the earliest occupation layer dates to 11,050–9475 cal B.P.¹ (Meyer and Rosenthal 2007). At another South Bay Millingstone site in Santa Clara County (CA-SCL-65), two flexed burials were found beneath cairns of millingstones dating between 7,500 and 7,000 years ago (Fitzgerald 1993). Along with the Sand Hill Bluff shellmound on the peninsula coast of Santa Cruz County (CA-SCR-7), the artifact assemblages in these Millingstone Pattern sites include large numbers of handstones and milling slabs, as well as core and flake tools (Hylkema 2002:233-235).

Windmill Pattern sites in the Sacramento Valley and Sacramento–San Joaquin Delta often contain manos and metates (grinding stones), as well as many mortar fragments, large obsidian concave base and stemmed projectile points, rectangular *Olivella* beads, perforated and phallic charmstones, ventrally extended burials, and a westerly orientation of graves. Artifact assemblages from the South Bay peninsula, such as from CA-SCL-354 in the Los Altos foothills, including *Olivella* rectangular beads (type L1) and Rossi square-stemmed and large side-notched projectile points, imply that characteristics of Windmill assemblages were present (Hylkema 2002:244, 250).

MIDDLE PERIOD (2500–1000 B.P.)

The Berkeley Pattern is found throughout the Bay region during the Late Holocene. The earliest assemblages attributable to this pattern are coeval with the Windmill Pattern, including the lower levels of the West Berkeley site (CA-ALA-307) in Alameda County and the University Village site (CA-SMA-77) in San Mateo County (Elsasser 1978:37-40; Wallace and Lathrop 1975). Artifacts typical of the Berkeley Pattern include spire-lopped (Types A1a and A1b)

¹ The raw radiocarbon dates have been calibrated (cal) to provide calendar dates.

Olivella shell beads, bone tubes and beads, bird-bone whistles, quartz crystals, serrated mammal scapulas, and ground bone awls (Elsasser 1978:38-39; Moratto 1984:264-265; Bennyhoff and Hughes 1987:118). Projectile points are commonly contracting stemmed and lanceolate types, some of which are made from obsidian (Hylkema 2002). Burials are variable flexed and semi-flexed with inconsistent orientation, and there is an increase in mortuary items, particularly during the late Middle Period, compared to few mortuary items identified during the Early Period in Bay Area sites.

Milling implements include large and small boulder or cobble mortars and various types of pestles, suggesting small seeds or acorns formed an important part of the diet. In the South Bay, processing of hard seeds continued to be important throughout this period, as evidenced by the number of milling slabs and handstones in the artifact assemblages from this area (Hylkema 2002:244-245, 252). Other plant resources included hazel nuts, cattail seeds, grass, and soaproot bulbs; the latter were roasted in earth ovens. Faunal analyses indicate the diet during this period was rich and varied, with a variety of small and large mammals, fish, and birds, as well as mussel, oyster, and clam.

Shellfish species exploited varied depending on location within the Bay Area (Hylkema 2002:252). Along the West Bay in San Mateo County and the East Bay of Alameda County, bay mussels, oyster and clam are more prevalent. In contrast, horn snail, oyster, and bay mussel are the principal shellfish recovered from South Bay mounds. Large accumulations of shellfish remains, or “shellmounds,” formed over hundreds, or even thousands, of years through accretion at village sites fronting the Bay that were reused seasonally or year-round (Lightfoot 1997:135). Numerous shellmounds contain hundreds of burials as well as ceremonial items, house floors, hearths and storage pits, indicating they were used as burial, ceremonial, and residential places (Lightfoot 1997:131-136; Lightfoot and Luby 2002:270, 276-277).

The well-known Emeryville shellmound (CA-ALA-309) and Ellis Landing site (CA-CCO-295) also date to this period. Within the former Rancho Posolmi, radiocarbon dates obtained from excavations conducted in 2008 in the mound initially recorded in 1912 by Loud indicate CA-SCL-12/H was occupied throughout the late Early Period and Middle Period (3300–2400 B.P.) with some evidence of Late to Historic Period occupation (Byrd and Berg 2009; Loud 1912). During the recent excavations, a variety of cultural materials, including lithic flakes and tools, shellfish, faunal bone, and human remains, were recovered from intact occupation components at depths up to 1.8 meters below the surface. CA-SCL-12/H also included the gravesite of Lope Yñigo, who is among the few Native Americans that were awarded Mexican land grants (Byrne and Byrd 2009:82-83; Shoup and Milliken 1999).

LATE PERIOD (1000 B.P. TO HISTORIC CONTACT)

In the Bay Area, the Augustine Pattern follows the “golden age of shell mound communities” of the Berkeley Pattern (Lightfoot and Luby 2002:276). A number of changes in subsistence,

foraging, and land use patterns that begin to reflect the use pattern known from Historic Period Native American groups in the area is evident. The pattern is identified by the introduction of bow and arrow technology, the use of harpoons, and tubular tobacco pipes. There is an increase in the intensity of subsistence exploitation that correlates directly with population growth, and greater emphasis is placed on the procurement and processing of vegetal foods, especially acorns, as evidenced in the increase of milling tools, especially the mortar and pestle (Moratto 1984:211-214). Both coiled and twined basketry were used as domestic and ceremonial items.

Population size and the number of settlements increased during this period, although the large shellmound villages of the Berkeley Pattern were apparently no longer favored residential places and many were abandoned (Lightfoot and Luby 2002:264, 277). The dry conditions during the Medieval Climatic Anomaly (MCA), which produced droughts across the West between about A.D. 650–850 and A.D. 1150–1250 (Jones et al. 1999), may be related to the abandonment of shellmound villages as primary residential locations (Lightfoot and Luby 2002:277, 279). Settlement strategies were apparently reorganized and focused on a dispersed pattern, with the establishment of both coastal and interior habitation areas, coinciding with the exploitation of seasonally available resources.

The Augustine Pattern ushers in a time of status differentiation and the rise of secret societies and cults and associated traits. Exchange networks, with the use of clamshell disk beads as a form of currency, expanded during this period. Exchange items included magnesite, steatite, *Olivella* beads, and obsidian. Compared to the Middle Period, the use and occurrence of shell beads with burials blossomed (Milliken and Bennyhoff 1993; Milliken et al. 2007:116-117). *Haliotis* banjo pendants may represent the introduction and spread of the Kuksu cult, beginning during the transition from the Middle to Late Period in the Bay Area (Hylkema 2002:260). The magnitude of non-dietary *Olivella* shells in coastal sites during the Late Period, coupled with a concomitant increase of the shells in mortuary contexts throughout central California during this period, attests to the rise of both exchange networks and status differentiation, with coastal peoples supplying the shells to the interior groups.

ETHNOGRAPHY

MIWOK

Linguistics

Historically, the City is located near the western edge of the traditional tribal territory of the Plains Miwok (Figure 4). Together with the Central Sierra, Southern Sierra, Northern Sierra, and Saclan Miwok, they make up the five distinct linguistic groups of the Eastern Miwok division. The three Sierra Miwok languages are structurally similar, with the principal differences between them being phonetic. However, native speakers of Southern Sierra claim that they do not understand much of the Central or Northern dialects (Broadbent 1964). Barrett (1908) stated there was clearly some divergence between the speech of individuals from the areas within

Yosemite, Mariposa, and the extreme southern limit of Miwok territory. Speakers from Mariposa say that they barely understand Miwok speakers from Yosemite, which is approximately forty miles away (Barrett 1908; Broadbent 1964). Miwokan languages comprise one branch of the Penutian language family, and form within that a subgroup with the Ohlone languages (Berkeley 2019). The pre-contact combined estimate of Miwok speakers is approximately 19,500 for all dialects (Broadbent 1964; Levy 1978).

Tribal Territory

The traditional territory of the Plains Miwok includes the Sacramento and Joaquin Valleys, and stretches to the base of the Sierra Nevada Mountains. Tribelets averaged approximately 300 to 500 individuals and controlled specific lands and natural resources within those territories. Each tribelet's territory included a main village, and smaller satellite villages comprised of familial groups (Broadbent 1964; Kroeber 1925; Levy 1978).

Village Structure and Habitations

The principal Miwok village would generally contain a large semi-subterranean structure or a smaller circular brush structure that served as the dance house or community center, multiple family dwellings, acorn granaries, conical shaped sweathouses, and a winter grinding house (CSP 2020; Kroeber 1925:447; Levy 1978:408-409). Individual family dwellings varied. Generally, homes were either aboveground conical houses made with tule-matting, grass or brush, or roofed with sawed lumber shingles, or semi-subterranean pole and earth covered lodges (Kroeber 1925). Sierra and Plains Miwok traditionally resided in the Sierra Foothills and lowlands in the Fall and Winter, and generally moved into the high Sierras only for summer hunting and resource gathering. Mountain shelters were meant to be temporary and were simple lean-tos constructed of bark over a sapling framework (Kroeber 1925).

Food and Resource Usage

Similar to many other Native American groups in California, the Miwok utilized all aspects of food resource collection within their territory. While their diet was supplemented by fish, shellfish, waterfowl, and large and small mammals, acorns were the primary food staple (Bennyhoff 1977; Levy 1978:402-403). Acorns from the prevalent valley oak (*Quercus lobata*) as well as blue oak (*Quercus douglasii*), interior live oak (*Quercus wislizeni*) and black oak (*Quercus kelloggii*) were the most commonly used and preferred by the Miwok (Barrett and Gifford 1933:142; Mayer 1976). Acorns were gathered in the autumn, dried, and stored until needed. Before they were eaten, the acorn was cracked, the meat removed, and ground into a dry flour. To remove bitter tannins, the acorn flour was leached, placed carefully in a sand basin, and water poured over it for several hours. The leached flour was then mixed with water in a watertight cooking basket. Hot stones were placed in the basket, stirred constantly, and after about 20 minutes, the acorn mush boiled, thickened, and cooked (NPS 2018). Additionally, large and small animals were regularly hunted by the Miwok. These included mule deer, tule

elk, pronghorn, rabbits, squirrels, beaver, and woodrats. Salmon were an important fish resource, along with sturgeon and lamprey.

Tools

The Miwok employed a variety of tools, implements, and enclosures for hunting and collecting natural resources (Levy 1978:403-404, 406). These included cedar wood bows, small mammal snares and traps, fish nets, and enclosures or blinds for birds and small game. On navigable rivers, a canoe or raft would be crafted from tule reeds and willow branches. They made both twined and coiled basketry and used woven burden baskets for seed, root, or nut transportation, processing or long-term seasonal storage. Tools used for processing food resources included bedrock mortars, cobblestone pestles, anvils, and portable stone mortars and pestles to grind or mill acorns and seeds (Levy 1978:405). During food preparation, a variety of knives, leaching and boiling baskets, woven strainers and winnowers, and woven drying trays, among others, were employed. Earthen-made ovens were used to bake a type of bread made of acorn meal. Barrett and Gifford (1933) note the Miwok used a range of material types for stone tool manufacture, including obsidian, jasper, chalcedony, flint and chert. Like other California tribes, a variety of stone tools, including arrow points, knife blades, scrapers, choppers, axes, files and drills were implemented and used. Stone tool usage and production dropped off drastically after the 1850s in Southern Sierra Miwok territory, as steel implements became more popular and widely available from trade with recent settlers and miners.

Contact

Kroeber (1925) estimates that around the year 1770, there were an estimated 9,000 combined Plains and Sierra Miwok. Native American population in the plains came into contact with Spanish explorers in the late 1700s as the Franciscan missions sought to convert interior peoples with the dwindling of coastal indigenous populations (Levy 1978:400). Soon after the discovery in 1848 of gold in the Sierran foothills and the ensuing Gold Rush, the number of non-indigenous peoples into Miwok territory increased exponentially. Population estimates show a momentous decline in Eastern Miwok numbers from nearly 20,000 in 1805 to only 3,000 by 1856 (Cook 1943). With the resulting loss of the majority of their traditional lands, population numbers, and experiencing drastic alterations of their traditional lifeways, surviving Miwok labored for the growing mining, ranching, farming, and lumber industries. During the first half of the 1900s, the federal government acquired lands and established *rancherias* (reservations) from two acres to more than 300 acres), for the Plains, Northern Sierra and Central Sierra Miwok (Levy 1978:401). Between 1934 and 1972, the U.S. Bureau of Indian Affairs terminated relations with most of these rancherias, but beginning in 1984, status to the majority has been restored.

Present Day Miwok

At present, there are eight federally-recognized tribal rancherias with Eastern Miwok populations. These include: Auburn Rancheria (Sierran Miwok, Placer County), Buena Vista

(Plains Miwok, Amador County), Chicken Ranch (Central Sierra division of Eastern Miwok, Tuolumne County), Ione (Northern Sierra and Plains Miwok, Amador County), Jackson (Northern Sierra and Plains Miwok, Amador County), California Valley (formerly Sheep Ranch; Northern Sierra Miwok, Calaveras County), Shingle Springs (Plains Miwok, El Dorado County), Tuolumne (Central Sierra Miwok, Tuolumne County), and Wilton Rancheria (Plains and Sierra Miwok, Sacramento County) (BIA 2012).

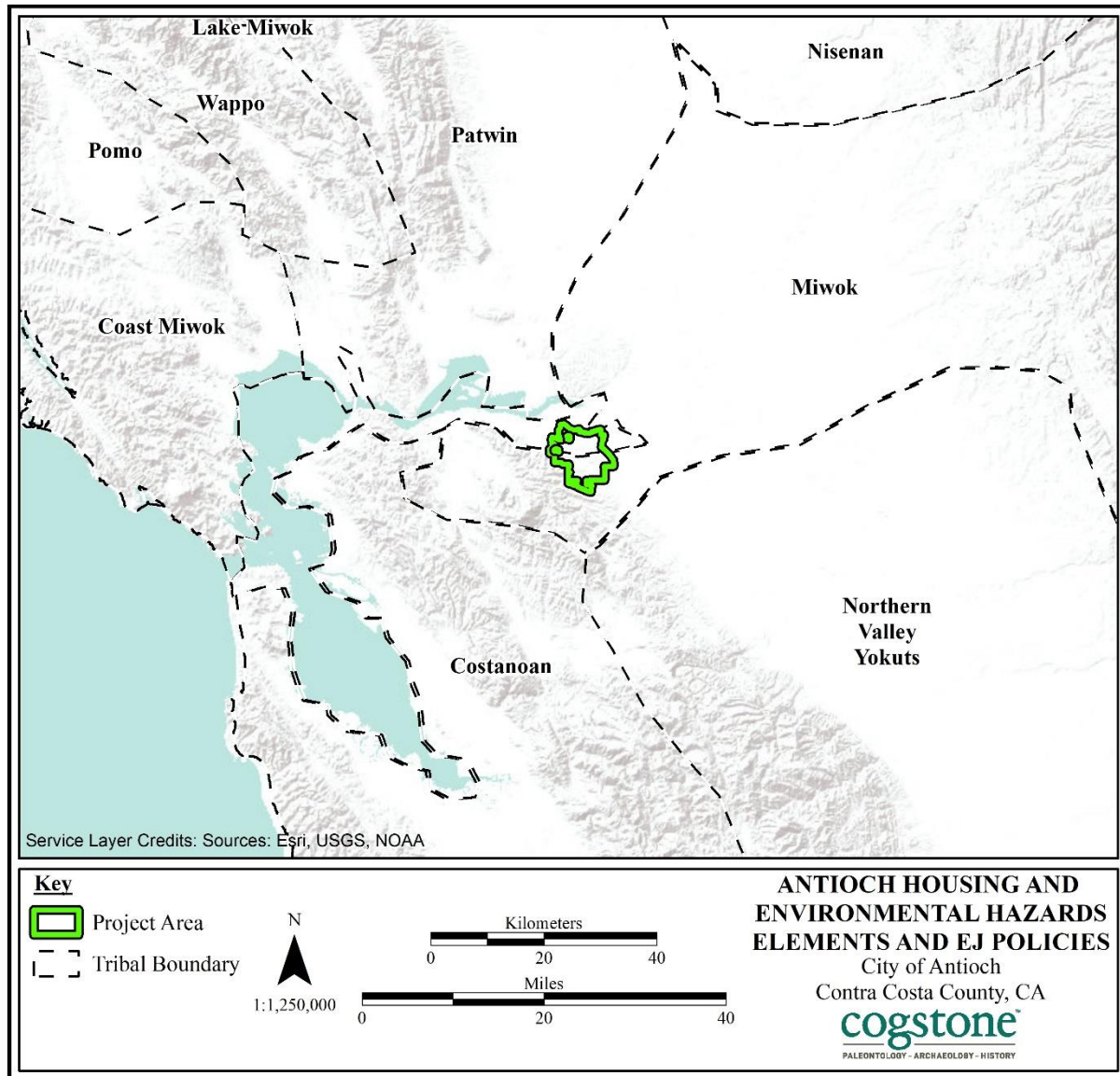


Figure 4. Tribal Boundary Map

HISTORIC SETTING

SPANISH PERIOD (1769-1822)

The earliest European explorations of California occurred in 1542, when Juan Rodríguez Cabrillo and his party landed near Point Loma near San Diego. Cabrillo had been tasked by the

Spanish monarch with exploration of the western United States interior. Interaction with the native population was initiated, but intensive exploration and colonization of California by Spain did not occur until the 1700s.

In 1769, the Spanish developed plans to build three towns and four presidios (forts) along the California coastline stretching from San Diego northward to Monterey. The town sites, established between 1777 and 1797, included present-day Los Angeles, San Jose, and a small town near Santa Cruz named Branciforte. The presidios were established at San Diego, Santa Barbara, Monterey, and San Francisco. Under Spain, the borderlands were colonized as defenses against the intrusion of the English, French, Dutch, and Russians, with the Manila trade an important item for protection in California. They were held by two typical institutions: the mission and the presidio (Bolton 1913, 1921, 1930 as cited in Aviña 1976).

Mission San Diego Alcalá was founded in 1769, the first of 21 Franciscan missions built along the coast on the El Camino Real between San Diego and Sonoma. The goals of the missions were tri-fold: they established a Spanish presence on the west coast, provided a way to Christianize native peoples, and served to exploit native population as laborers. The mission system severely disrupted socio-political structure of the native population, especially those living in close proximity (Loumala 1978:595).

Arrival of the Franciscan missionaries during the Spanish period resulted in far-reaching alterations in Native American lifeways. These shifts included high mortality rates and social changes due to the introduction of European diseases and customs (e.g., European farming methods; Dobyns 1983; Walker and Hudson 1989). Due to the high mortality rates, many Native American villages were abandoned, with inhabitants fleeing to the missions because “As the Native Americans watched the Europeans remain healthy during the epidemics, they began to view disease as a form of divine punishment for human transgressions” (Dobyns 1983) and “Believing that the Christian God held a power greater than their own, the Natives willingly joined the Spanish missions” (Rushing 1995:15).

The native population decreased because of a series of epidemics, and their traditional lifestyle was severely altered as neophytes were converted to Christianity and forced to work for the mission.

MEXICAN PERIOD (1822-1847)

After Mexico gained independence from Spain in 1821, the Mission lands were secularized under the Secularization Act of 1833, but much of the land was transferred to political appointees. A series of large land grants that transferred Mission properties to private ownership were awarded by the Governors of California—Juan B. Alvarado, Manuel Micheltorena and Pío Pico—between 1840 and 1846 (Cowan 1977; Ohles 1997). Ranches and farms were established throughout the San Diego region during this period.

AMERICAN PERIOD (1848-PRESENT)

The Mexican-American war followed on the heels of the Bear Flag Revolt of June 1846 (Ohles 1997). General Andrés Pico and John C. Frémont signed the Articles of Capitulation in December 1847, and with the signing of the Treaty of Guadalupe Hidalgo in February 1848, hostilities ended and Mexico relinquished California to the United States. Under the treaty, Mexico ceded the lands of present-day California, New Mexico, Arizona, and Texas to the United States for \$15 million (Fogelson 1993:10). Within two years following the treaty, California applied for admission as a state.

The northwest area of the City of Antioch overlaps with the boundaries of the former Spanish/Mexican land grant of Rancho Los Medanos (Medanos; Figure 5). The name *Los Medanos* (meaning “the sand-banks”) was given to two adjoining ranchos in the late 1830s due to the presence of nearby sand dunes (Rensch et. al. 1966). Rancho Los Medanos (consisting of approximately 8,500 to 10,000 acres) was granted to brothers Jose Antonio Mesa and Jose Miguel Garcia by then Mexican Governor of California Juan B. Alvarado in 1839 (Bohakel 2008). The rancho was sold in 1849 to Colonel Jonathan Drake Stevenson who had the land surveyed to establish a settlement which would become known as Black Diamond (name later changed to Pittsburg in 1911). By this time, the rancho was commonly referred to as the “New York Ranch” (Bohakel 2008). Col. Stevenson would later sell the rancho to the San Francisco banking firm Louis Pioche and Company, who would then convey the rancho grant to railroad builder Lester Ludyah Robinson, in 1872. Per his last will and testament, in 1892, the rancho went to Robinson’s sister, Sophia Cutter, following his death. However, in 1900 the Bank of California, which held the mortgage on the rancho foreclosed on the property (Bohakel 2008).

CITY OF ANTIOCH

The earliest known European exploration of the Antioch area occurred in 1772 with the arrival of a Spanish expedition sent to survey potential new mission sites. In 1776, a second major expedition, led by Captain Juan Bautista de Anza and Padre Pedro, traveled along Suisun Bay before returning to Monterey. In 1811, the shoreline of what would become Contra Costa County and the Delta areas were surveyed under the command of Sgt. Jose Antonio Sanchez and Padre Ramon Abella (Bohakel et al. 2005).

The founding of Antioch is credited to William Wiggin Smith who traveled to California in 1849 with his twin brother and their respective families in the search for gold. That year, the owner of the Mexican land grant Rancho Los Meganos (Dr. John Marsh; also the first permanent American resident in Contra Costa County), offered the Smith brothers a portion of his land in exchange for \$500 if they would establish a settlement there. The brothers accepted the offer and built their homes in what would become Antioch’s downtown area. Names of local areas such as Smith’s Landing and Smith’s Point were often also used as informal names for the future City.

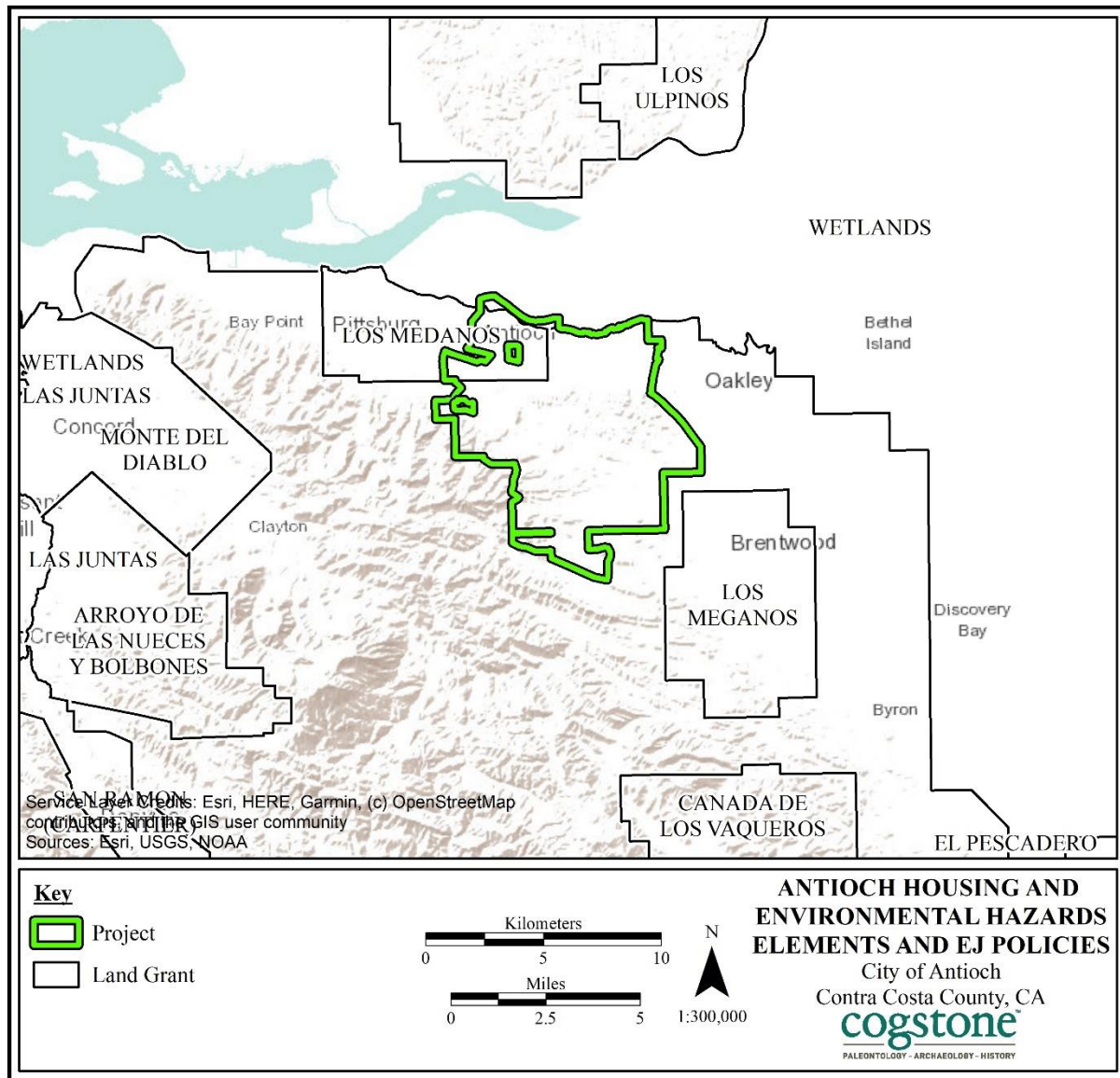


Figure 5. Land Grants Map

In 1851, William Smith organized a picnic for the town’s residents in order to discuss a name for their community. The name Antioch was chosen as a biblical reference to the town on Syria where “the Christians were first named” (Bohakel et al. 2005). Antioch incorporated on February 6, 1872 and was the first city to do so in Contra Costa County. In 1875, the City’s board of trustees oversaw the drilling of multiple wells and reserved all water rights in the area for the benefit of their community. The following year, a 30,000-gallon water tank was constructed to supply water to the Empire Railroad.

During the early decades of Antioch, city limits were defined by the San Joaquin River to the north, A Street to the east, O Street to the west, and Tenth Street to the south. These boundaries were updated by the 1930s, as an increase in population had settled south of Tenth Street (Antioch Historical Society n.d.). In the 1950s, the Fibreboard Research patented a method of applying wax coatings to cardboard containers which resulted in the modern container for milk, juice, and ice cream. This development led to Antioch's accolade as "the home of the milk carton" (Unknown 2022).

RECORDS SEARCH

CALIFORNIA HISTORIC RESOURCES INVENTORY SYSTEM

Cogstone requested a search of the California Historical Resources Information System (CHRIS) from the Northwest Information Center (NWIC) located at Sonoma State University, California on March 31, 2022, which included the entire City. Results of the record search indicate that 305 previous studies have been completed within the City (Appendix B, Table B-1).

The NWIC also reported that 155 cultural resources have been recorded within the City (Table 3; Appendix C, Table C-1). Of these three resources, Riverview Union High School (historic built environment), Black Diamond Mines (historical archaeological site), Shannon-Williamson Ranch (multi-component historical archaeological site/historic built environment resource) are listed in the National Register of Historic Places (NRHP), California Register of Historical Resources (CRHR). A fourth NRHP/CRHR listed resource, Roswell Butler Hard House (historic built environment) is listed in the Built environment Resource Database (BERD).

Table 3. Summary of Cultural Resources by Type

Resource Type	No. of Resources
Prehistoric Archaeological Site	7
Historic Archaeological Site	31
Multi-Component Site	3
Historic Built Environment	114

OTHER SOURCES

In addition to the NWIC records search, a variety of sources were consulted in May 2022 to obtain information regarding the cultural context of the City (Table 4). Sources included the NRHP, CRHR, BERD, California Historical Landmarks (CHL), and California Points of Historical Interest (CPHI).

Table 4. Additional Sources Consulted

Source	Results	Resource Description
National Register of Historic Places (NRHP)	Positive; Roswell Butler Hard House (NRHP No. 93001020) 1S	Roswell Butler Hard was a prominent Antioch resident serving as a Contra Costa County supervisor from 1866 to 1868 and county Sheriff from 1867 to 1869 as well as mayor of Antioch. Hard built his home along the San Joaquin River. After Hard's

Source	Results	Resource Description
		death the home was subdivided into three units and an addition was built in 1923. This is one of the only homes in the Late Victorian Italianate style to survive in the area (Roadtrippers 2022a)
	Riverview Union High School Building (NRHP No. 98001243) 1S	The Riverview Union High School was Contra Costa County's first high school. It as opened in 1911 drawing students from as far away as Oakley and Pittsburgh. The two-story building is of red brick with a flat roof and quoin wall design. The school closed in 1931 and then was used by the Bureau of Reclamation during the Central Valley Project. The Riverview Fire Protection District acquired the building as its headquarters in 1965 but the building remained unused until 1994. Purchased in 1999, the building is the home of the Antioch Historical Society Roadtrippers 2022b)
	Black Diamond Mines (NRHP No. 91001425) 1S	As California's largest coal mining operation, the Black Diamond Mines produced nearly four million tons of coal. Workers from around the world from were drawn to its five towns, Nortonville, Somersville, Stewartville, West Hartley, and Judsonville from the 1860s to ca. 1900. Nortonville and Somersville townsites later produced sand for the Hazel-Atlas Glass Company in Oakland, and Nortonville mine supplied casting to the Columbia Steel Works. (East Bay Regional Park District 2022)
	Shannon-Williamson Ranch (Williamson Ranch) 1S	The Williamson family was granted a homestead in 1874 having moved to the Antioch area in 1867. The Ranch operated from 1875-1949. The current ranch house was built to replace the original house that burned down in 1895. The two-story Italianate house ,three barns, serval outbuildings, and a small orchard survive from the time of the working ranch (Roadtrippers 2022c).
California Register of Historical Resources (CRHR)	Positive; Roswell Butler Hard House (NRHP No. 93001020) 1S	See descriptions above
	Riverview Union High School Building (NRHP No. 98001243) 1S	
	Black Diamond Mines (NRHP No. 91001425) 1S	
	Shannon-Williamson Ranch (Williamson Ranch) 1S	
Built Environment Resource Directory (BERD)	Positive; Roswell Butler Hard House (NRHP No. 93001020) 1S;	See descriptions above
	Riverview Union High School	

Source	Results	Resource Description
	Building (NRHP No. 98001243) 1S;	
	Black Diamond Mines (NRHP No. 91001425) 1S	
	Shannon-Williamson Ranch (Williamson Ranch) 1S;	
California Historical Landmarks (CHL)	Positive; Mount Diablo Coal Field (5/13/1980)	
California Points of Historical Interest (CPHI)	Negative	
Bureau of Land Management (BLM) General Land Office Records	Positive; See Appendix D, Table D-1 (BLM 2022)	
Caltrans Bridge Inventory	Negative	

LOCAL HISTORIC SOCIETIES

On April 1, 2022, requests for information were sent via United States Postal Service (USPS) to the Antioch Historical Society and the Contra Costa County Historical Society. On April 5, 2022, a letter response was sent via email from the Contra Costa County Historical Society Executive Director, Michael C. McCarron. Mr. McCarron states that the historical society lacks “the wherewithal to provide such information without compensation for our research time.”

While the Society’s History Center is open to the public, research conducted by the Society’s staff would cost \$50 per hour. No further attempt was made to contact the Contra Costa County Historical Society. On April 12 and May 25, 2022, two additional attempts were made to contact the Antioch Historical Society via electronic mail.

The 2019 Historic Resource Inventory for the Antioch Area as prepared by the Contra Costa County Conservation and Development, Community Development Division (CDD 2019) is in Appendix E, Table E-1.

NATIVE AMERICAN CONSULTATION

A Sacred Lands File (SLF) search was requested from the Native American Heritage Commission (NAHC) on March 31, 2022. On April 24, 2022, the NAHC responded that the SLF search was completed with negative results and provided a list of seven tribes that may have information about the City (Appendix F). The City of Antioch completed Native American consultation in accordance with Assembly Bill (AB) 52 and Senate Bill (SB) 18. The two responses to notification letters are summarized below.

On December 1, 2021, Corrina Gold, Tribal Chair for The Confederated Villages of Lisjan Tribe responded and said that the “Tribe would like to consult on the General Plan Update for the City of Antioch. The Tribe is requesting a copy of the General Plan and the DEIR. Once that is received the Tribe can move forward with the consultation process.”

On November 30, 2021, Cultural Preservation Department staff of the Wilton Rancheria responded that they determined the City lies within the Tribe’s ancestral territory. They continued saying “The Tribe at this point in time has no concerns, however if potential tribal cultural resources (TCRs), archaeological resources, other cultural resources, articulated, or disarticulated human remains are discovered during construction, the Applicant should immediately stop construction and notify the appropriate Federal, State Agencies and the Tribe”. The Tribe also provided additional details for the handling of cultural remains and notification of the Tribe and requisite officials

CULTRAL RESOURCES SENSITIVITY ANALYSIS

PREHISTORIC ARCHAEOLOGICAL SITES

Prehistoric site locations are confidential to protect them from vandalism. All known sites were mapped to help establish sensitivity rankings. Prehistoric sites are dispersed across the City. Seven prehistoric archaeological sites are recorded in the City, however three could be better described as isolates as they have fewer than five artifacts, consist of artifacts of only a single material type, or both. Elsewhere in the region, prehistoric sites are common water sources such as bays and rivers. However, much of Antioch's riverside was developed prior to CEQA's enactment in 1970 and any resources present were likely impacted by this construction. Developed areas within one-half mile of the San Joaquin River are assessed to have low to moderate sensitivity for prehistoric archaeological resources due to construction disturbance while undeveloped areas are assessed to have moderate sensitivity. The remainder of the City is assessed to have generally low sensitivity for undiscovered prehistoric resources.

HISTORIC-AGED ARCHAEOLOGICAL SITES

Historic-aged archaeological sites are most commonly located within the undeveloped south-most quarter and in the northern portion of the city, north of California State Route 4 (Figure 6). This southern portion is considered to be moderately sensitive for intact buried cultural deposits as are undeveloped areas north of California State Route 4. Developed areas north of this highway are assessed to have low to moderate sensitivity due to previous ground disturbance. The remainder of the City is assessed to have low sensitivity for intact buried historic-aged sites.

HISTORIC BUILT ENVIRONMENT RESOURCES

The locations of all Historic Built Environment resources that have been determined to be significant at the national or local level in the City are shown in Figure 7. These significant historic built environment sites cluster north of West 10th Street between A Street and L Street with few such resources elsewhere. Additional built environment surveys that systematically investigate other areas north of California State Route 4, especially areas adjacent to the San Joaquin River, are likely to be valuable for planning purposes in the future.

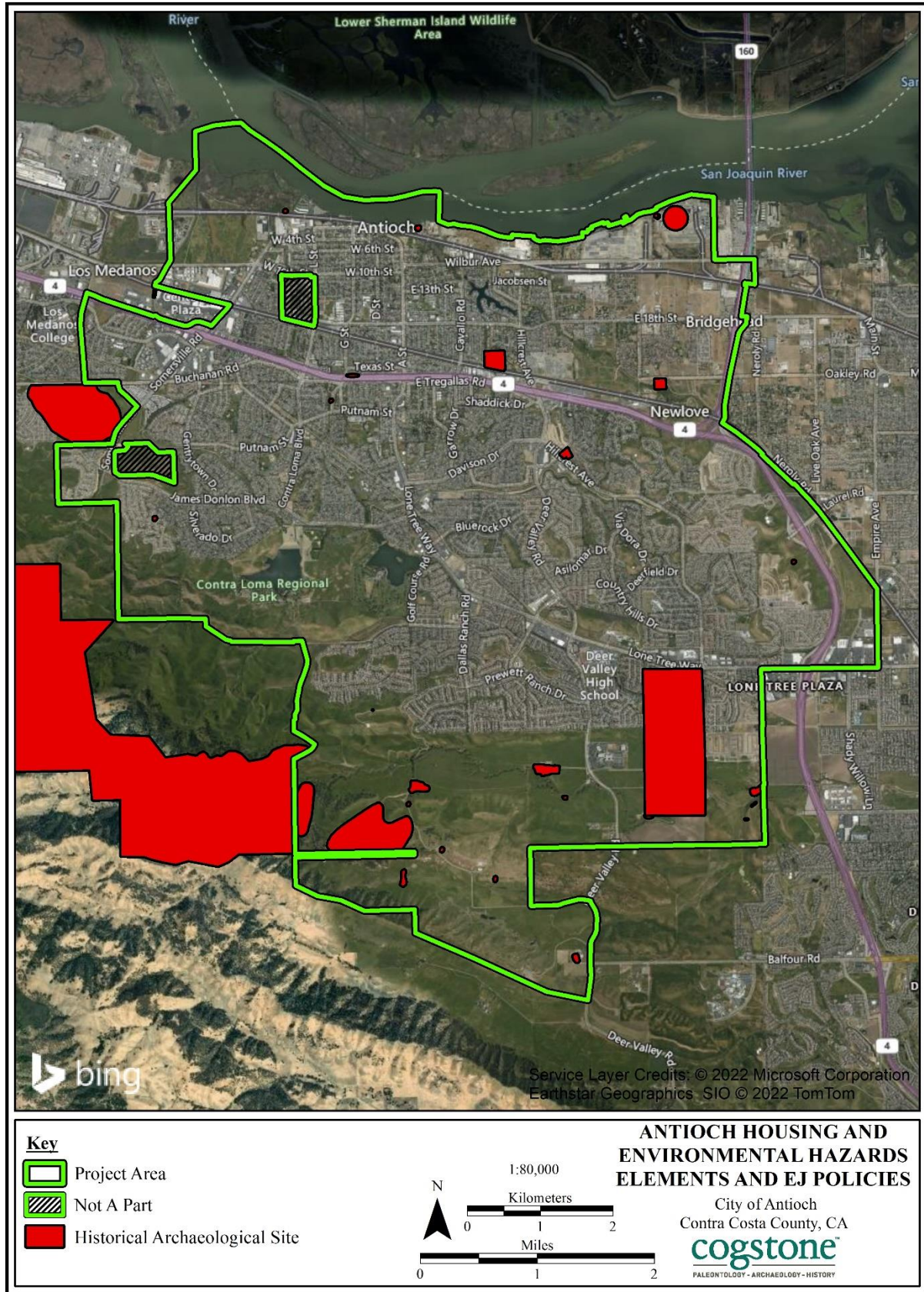


Figure 6. Historic-aged archaeological sites

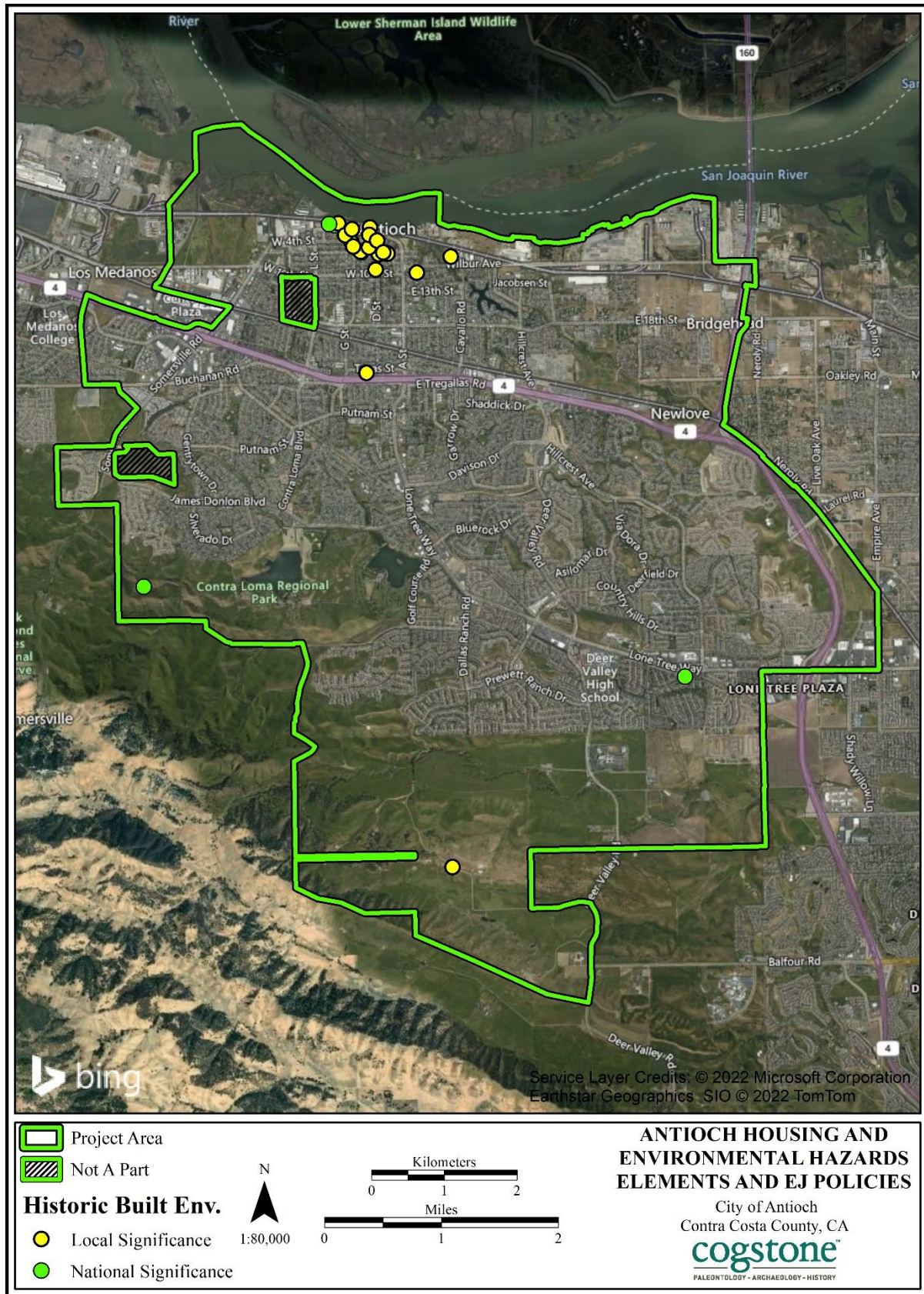


Figure 7. Significant historic built environment resources

CONCLUSIONS

Based on available data sources, area of the City north of California State Route 4 are considered sensitive for all three prehistoric archaeological sites, historical aged archaeological , site and historic built environment resources. The area between A and L Street is where the majority of significant built environment resources are located and the southernmost quarter is also sensitive for historic-aged archaeological sites.

Cogstone recommends that City General Plan Policies 10.9.1 and 10.9.2 are retained as a means or preserving current known cultural resources and as a framework for identifying and managing resources that are discovered in the future.

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APPENDIX A. QUALIFICATIONS

EDUCATION

2009 M.A., Anthropology, Kent State University, Kent, Ohio
2006 B.A., Anthropology, Ohio State University, Columbus, Ohio

SUMMARY OF QUALIFICATIONS

Ms. Valasik is a Registered Professional Archaeologist (RPA) with more than 13 years of experience. She is a skilled professional who is well-versed in the compliance procedures of CEQA and Section 106 of the NHPA and regularly prepares cultural resources assessment reports for a variety of federal, state, and local agencies throughout California. Ms. Valasik has managed a variety of projects at Cogstone in the water, transportation, energy, development, and federal sectors. She meets the qualifications required by the Secretary of the Interior's *Standards and Guidelines for Archaeology and Historic Preservation*. She is accepted as a principal investigator for prehistoric archaeology by the State Office of Historic Preservation.

SELECTED EXPERIENCE

Creekside Specific Plan, City of San Juan Capistrano, Orange County, CA. Cogstone conducted a study to determine the potential impacts to cultural and paleontological resources for the proposed demolition of an existing 123,000 square-foot building and construction of 188 residential units on 15.3 acres. Services included records searches, background research, and an intensive-level pedestrian survey. Based on the results of the record search and ethnographic data, it was found likely that substantive archaeological deposits exist. The project area was considered moderately sensitive for cultural and paleontological resources and archaeological and paleontological monitoring during all ground-disturbing activities was recommended. The City of San Juan Capistrano acted as lead CEQA agency. Sub to PlaceWorks. Principal Investigator for Archaeology. 2019-2020

Rancho Calera Specific Plan Update, City of Chowchilla, Madera County, CA. Cogstone conducted a cultural and paleontological resources assessment to determine the potential impacts to cultural and paleontological resources during excavations. Proposed updates to the specific plan included adding two large retention basins, increasing the acreage dedicated to residential use, decreasing the collective acreage of parkland and open space, decreasing the square footage dedicated to commercial use, removal of the East Robertson Bridge, added landscape and water conservation requirements, and discouraging use of straight streets and encouraging construction of cul-de-sacs. Services included records searches, background research, literature review, and reporting. Sub to QK, Inc. Task Manager. 2020

Fresno West Area Specific Plan, City of Fresno, Fresno County, CA. Cogstone conducted a study to review and summarize available information regarding known paleontological, archaeological, and historical resources within the boundaries of the city in order to guide future growth and development. Cogstone conducted a records search and in-depth background research. Of the 82 previously recorded cultural resources, 78 were built environment. Three mitigation measures were recommended for future development. The City of Fresno acted as the lead agency under CEQA. Sub to De Novo. Task Manager. 2019

La Verne General Plan Update, City of La Verne, Los Angeles County, CA. Cogstone reviewed and summarized available information regarding known paleontological, archaeological, and historical resources within the boundaries of the City of La Verne to support an update of the City's General Plan. Cogstone conducted archaeological and paleontological record searches, extensive historical research at City Hall, a Sacred Lands File (SLF) search was requested from the Native American Heritage Commission (NAHC), and a general analysis of impacts of future projects within the city that may adversely affect paleontological, archaeological, or historic resources was provided along with mitigation recommendations. Sub to De Novo. Principal Investigator for Archaeology. 2018

JOHN GUST

Principal Investigator for Archaeology

EDUCATION

2016 Ph.D., Anthropology, University of California, Riverside (UCR)
 2011 M.A., Anthropology, UCR
 2007 M.A., Applied Geography, University of Colorado, Colorado Springs (UCCS)
 2002 B.A., Anthropology, minor in Geography/Environmental Studies, UCCS

SUMMARY OF QUALIFICATIONS

Dr. Gust is a Registered Professional Archaeologist (RPA) with over 10 years of experience in field archaeology. He meets the qualifications required by the Secretary of the Interior's *Standards and Guidelines for Archaeology and Historic Preservation* and his field expertise includes pedestrian surveys, excavation monitoring, resource recording, and historic artifact analysis. Dr. Gust has managed a variety of projects at Cogstone in the water, development, residential, transportation, telecommunications, and public works sectors. Dr. Gust is a member of the Society for California Archaeology, Society for American Archaeology, and the American Anthropological Association.

SELECTED EXPERIENCE

Japantown Square Mixed-Use Development, City of San Jose, Santa Clara County, CA. In compliance with mitigation measures, Cogstone developed an archaeological and paleontological monitoring plan for the construction of a mixed-use development project. The 5.25-acre project consists of two sections, Area A to the northwest encompassing 2.1 acres of multi-family residential units, and Area B to the southeast encompassing 3.1 acres of multi-use commercial residential space. It will involve the construction of two separate buildings containing 518 multi-family residential units and 19,191 square feet of commercial and community space. Subsequently, Cogstone is currently conducting monitoring during all construction. To date, thousands of artifacts have been collected in preparation for cataloging. Cogstone has also assisted with public outreach on the project. Sub to Shea Properties, LLC. Principal Investigator for Archaeology. 2018-*present*

Morro Bay Water Facility, City of Morro Bay, San Luis Obispo County, CA. The City of Morro Bay has proposed to construct a new water reclamation facility. Federal funding for the project requires compliance with Section 106 of the National Historic Preservation Act (NHPA), along with the California Environmental Quality Act (CEQA). The US Environmental Protection Agency (EPA) is the federal lead and the City is the state lead agency, with permitting by the California Coastal Commission (CCC), California Department of Transportation (Caltrans), and the State Water Resources Control Board. Cogstone conducted Worker Environmental Awareness Program (WEAP) trainings for all construction personnel, cultural and paleontological resources monitoring, and completed a Cultural Resources Monitoring Compliance Report upon completion of construction. Sub to Filanc Black & Veatch Joint Venture. Principal Investigator for Archaeology. 2020-2021

Faith Home/Garner Road Connection Project, Caltrans District 10, Stanislaus County, CA. Cogstone identified and evaluated cultural, paleontological, and historic resources present in or adjacent to the construction of a four-lane one-mile expressway. Cogstone produced an Archaeological Survey Report (ASR), Historic Properties Survey Report (HPSR), Historic Resources Evaluation Report (HRER), and Paleontological Identification and Evaluation Report (PIR-PER). Services included intensive level pedestrian surveys, mapping, records searches, DPR forms, and Native American consultation. Sub to Environmental Intelligence. Principal Investigator for Archaeology. 2019-2020

Canyon Loop Trail Project, City of Diamond Bar, Los Angeles County, CA. Cogstone conducted a cultural resources assessment to determine the potential impacts to cultural resources during the construction improvements to an existing 1.29-mile hardpan trail. Cogstone conducted a records search, an intensive-level pedestrian survey, background research, requested a Sacred Lands File search from the Native American Heritage Commission (NAHC), and prepared a final report supporting the IS/MND. The study was done in compliance with CEQA with the City of Diamond Bar acting as lead agency. Sub to Michael Baker. Principal Investigator for Archaeology. 2020

EDUCATION

2002 B.A., Cultural Anthropology, University of California, Santa Barbara

TRAINING AND CERTIFICATIONS

HAZWOPER Certified - Certified American Red Cross CPR; Certified American Red Cross Standard First Aid
Applied Archaeology of Southern California, USDA Forest Service, San Bernardino National Forest
Railroad Security Certified

SUMMARY OF QUALIFICATIONS

Mrs. Duarte is a skilled archaeologist with 18 years of experience in monitoring, surveying, and excavation in California. Duarte has experience with Native American consultation as required by Section 106 of the National Historic Preservation Act (NHPA) and under Senate Bill 18 for the protection and management of cultural resources. Beginning in 2006, Duarte worked for the U.S. Forest Service in the Biology, Timber, and Geology Department as an archaeologist, including serving as a trained wild-land firefighter to preserve archaeological sites in forest fires. Additional skills include paleontological identification, fossil preparation, artifact identification and preparation, and final report preparation.

SELECTED EXPERIENCE

State Route 132 West Freeway/Expressway – Phase I, Caltrans District 10, City of Modesto, Stanislaus County, CA. The project involves the construction of approximately four miles of a four-lane freeway/expressway connecting SR-132 with the City of Modesto on a new alignment south of Kansas Avenue from Dakota Avenue to east of Needham Street. Cogstone is providing paleontological monitoring during excavation and grading for the Project. Weekly and Monthly reports are also prepared. Sub to WSP. Supervisor. 2019-present

141st and Normandie Townhomes Project, City of Gardena, Los Angeles County, CA. Cogstone identified and evaluated the potential impacts to cultural, historic built environment, and paleontological resources for the proposed construction of 50 new, three-story townhomes, which will range in size from 1,252 to 1,689 square feet. Services included pedestrian survey, built environment evaluation, records searches, Sacred Lands File search from the NAHC, background research, and reporting. The assessment report was in compliance with the requirements of the California Environmental Quality Act (CEQA) with the City of Gardena acting as the lead agency under CEQA. Sub to De Novo Planning. Archaeologist. 2020

Newport Village Project, City of Newport Beach, Orange County, CA. Cogstone conducted a cultural and paleontological resources assessment to determine the potential impacts to cultural and paleontological resources during proposed construction of 14 residential condominium units, 108 apartment units, and 121,370 square feet of mixed-use development. The project would also have publicly accessible waterfront promenade with 844 parking spaces in surface-level and subterranean parking. Services included records searches, pedestrian survey, Sacred Lands File search from the NAHC, background research, and reporting. The City of Newport Beach acted as the lead agency under CEQA. Sub to Cox, Castle & Nicholson LLP. Archaeologist. 2019-2020

Prologis Vermont Avenue and Redondo Beach Industrial Project, City of Los Angeles, Los Angeles County, CA. Cogstone conducted a cultural and paleontological resources assessment to determine the potential impacts to cultural and paleontological resources during proposed construction of an industrial center, 223 automobile parking spaces, 32 bicycle parking spaces, 36 high truck loading positions, and parking stalls for truck trailers. Services included records searches, pedestrian survey, Sacred Lands File search from the NAHC, background research, and reporting. The City of Los Angeles acted as the lead agency under CEQA. Sub to PlaceWorks. Archaeologist. 2019-2020

EDUCATION

2018 Geographic Information Systems (GIS) Certificate, California State University, Fullerton
2003 B.A., Anthropology, University of California, Santa Barbara

SUMMARY OF QUALIFICATIONS

Mr. Freeberg has over 19 years of experience in cultural resource management and has extensive experience in field surveying, data recovery, monitoring, and excavation of archaeological and paleontological resources associated with land development projects in the private and public sectors. He has conducted all phases of archaeological work, including fieldwork, laboratory analysis, research, and reporting. Mr. Freeberg also has a strong grounding in conventional field and laboratory methods and is skilled in the use of ArcGIS.

SELECTED EXPERIENCE

Morro Bay Water Facility, City of Morro Bay, San Luis Obispo County, CA. The City of Morro Bay has proposed to construct a new water reclamation facility. Federal funding for the project requires compliance with Section 106 of the National Historic Preservation Act (NHPA), along with the California Environmental Quality Act (CEQA). The US Environmental Protection Agency (EPA) is the federal lead and the City is the state lead agency, with permitting by the California Coastal Commission (CCC), California Department of Transportation (Caltrans), and the State Water Resources Control Board. Cogstone conducted Worker Environmental Awareness Program (WEAP) trainings for all construction personnel, cultural and paleontological resources monitoring, and completed a Cultural Resources Monitoring Compliance Report upon completion of construction. Sub to Filanc Black & Veatch Joint Venture. GIS Supervisor. 2020-2021

Bell Gardens Water Reservoir Project, City of Bell Gardens, Los Angeles County, CA. Cogstone conducted a cultural and paleontological resources assessment to determine the potential impacts to cultural and paleontological resources during improvements which included a new two-million-gallon reservoir, booster pump station, well to be drilled, and other components. Services included record searches, Sacred Lands File search from the Native American Heritage Commission, and an intensive-pedestrian survey of the 1.7-acre project area. Sub to Infrastructure Engineers. GIS Supervisor. 2019-2020

Santiago Canyon Estates Fuel Mod Project, unincorporated Orange County, CA. Cogstone conducted a cultural resources assessment to determine the potential for surface cultural resources for compliance with Orange County Fire Authority's Precise Fuel Modification Plan for zones of the Santiago Canyon Estates Community. Services included a cultural resources records search, Sacred Lands File search from the Native American Heritage Commission, and a reconnaissance survey. Sub to Fire Safe Council East Orange County Canyons. GIS Supervisor. 2020

State Route 108/Highway 49 and Mackey Ranch Road Intersection Improvements Project, Caltrans District 10, Tuolumne County, CA. The Chicken Ranch Rancheria of Me-Wuk Indians of California (Tribe), in partnership with the California Department of Transportation (Caltrans), proposed to replace an intersection and convert to a roundabout designed to accommodate forecasted future traffic volumes and provide an alternative access route to the Chicken Ranch Rancheria. Cogstone completed an intensive-level pedestrian survey, CHRIS records search, sacred lands file search from the NAHC, Native American consultation, consulted with local history societies and preservation groups, and produced a Historical Resources Compliance Report (HRCR) and Archaeological Survey Report (ASR). Sub to Foothill Associates. GIS Supervisor. 2019-2020

Fresno West Area Specific Plan, City of Fresno, Fresno County, CA. The objective of this study was to review and summarize available information regarding known paleontological, archaeological, and historical resources within the boundaries of the City of Fresno's West Area Specific Plan. The purpose of the West Area Specific Plan is to implement and refine the City's vision for the West Area in order to guide future growth and development in the most northwest area of the City. Cogstone's services included record searches, mapping, and extensive background research. Sub to De Novo Planning. GIS Supervisor. 2019

APPENDIX B. PREVIOUS CULTURAL RESOURCE STUDIES

Table B-1. Previous Cultural Resources Studies

Report No. (S-)	Author(s)	Title	Year	Distance (miles) from Project Area
000401	Katherine Flynn	Parcel "A"/Al Del Favero Development, Antioch, California (letter report).	1976	Within
000401a	Katherine Flynn	Parcel "B"/Del Favero development, Antioch, California (letter report)	1976	Within
000595	R.F. King	A Report on the Status of Generally Available Data Regarding Archaeological, Ethnographic, and Historical Resources Within a Five Mile Wide Corridor Through Portions of Colusa, Yolo, Solano, and Contra Costa Counties, California	1974	Within
000848	David A. Fredrickson	A Summary of Knowledge of the Central and Northern California Coastal Zone and Offshore Areas, Vol. III, Socioeconomic Conditions, Chapter 7: Historical & Archaeological Resources	1976	Within
001091	Mara Melandry	Cultural Resources Survey, 04-CC-84, Proposed Fishing Pier and Riverside Park, PM 11.1/11.6, Contra Costa County, 04209 - 398691	1978	Within
001320	Katherine Flynn	Archaeological Reconnaissance of a 60-acre parcel located on Lone Tree Drive, City of Antioch, Contra Costa County (ARS 78-108). (letter report).	1978	Within
001395	Chester King	Archaeological Investigations of Two Archaeological Sites (CA-CCO-385 & CA-CCO-386) On A 60 Acre Parcel Located on Lone Tree Drive, City of Antioch.	1979	Within
001418	Katherine Flynn	An Archaeological Reconnaissance of a proposed park site situated in Northwestern Antioch (ARS 78-138) (letter report).	1978	Within
001451	David Chavez	Cultural Resources Evaluation of the Hillcrest Development Location in the City of Antioch (letter report)	1979	Within
001485	Paul E. Amaroli	An Archaeological Reconnaissance of 11.82 Acres Near Antioch, Contra Costa County, California.	1979	Within
001590	Katherine Flynn	Archaeological reconnaissance of 3.29+ acre Subdivision 5286, Morrell property, Wilbur and Marie Avenues, Antioch, California (ARS 79-27) (letter report).	1979	Within
001664	Michael J. Baldrice	A Report on the Archaeological Investigation of the Prewett and Dallas Property, Located Southeast of the Intersection of Somersville and Corto Roads, Antioch, Contra Costa County, California	1979	Within
001978	Anthony V. Aiello	The Islands of Contra Costa	1960	Within
002025	Miley P. Holman	An archaeological field reconnaissance on an approximately 216 acre parcel (letter report).	1980	Within
002068	Miley P. Holman	An Archaeological Reconnaissance of the Proposed Development Area for the North Side of Antioch (letter report).	1979	Within

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002235	Christian Gerike	Archaeological Reconnaissance of a 27.5 acre parcel in the City of Antioch, Contra Costa County, General Plan Amendment (AGP-80-18) (letter report).	1980	Within
002458	Neil Ramiller, Suzanne Ramiller, Roger Werner, and Suzanne Stewart	Overview of Prehistoric Archaeology for the Northwest Region, California Archaeological Sites Survey: Del Norte, Humboldt, Mendocino, Lake, Sonoma, Napa, Marin, Contra Costa, Alameda	1981	Within
002458a	Suzanne Ramiller	Prehistoric Archaeology Overview Northwest Region; California Archaeological Inventory, Volume I: Humboldt and Del Norte Counties	1982	Within
002458b	Roger H. Werner	Archaeological Overview of Mendocino and Lake Counties	1982	Within
002458c	Suzanne Stewart	Prehistoric Archaeology Overview Northwest Region; California Archaeological Inventory, Volume 3: Napa and Sonoma Counties	1982	Within
002458d	Suzanne B. Stewart	Archaeological Overview of Alameda, Contra Costa, and Marin Counties	1982	Within
002458e	Neil Ramiller	Environmental Overview of the Northwest Region	1982	Within
002536	Katherine Flynn	Archaeological reconnaissance of "Arata property", Somersville Road, Contra Costa County (letter report)	1981	Within
002826	David Chavez	Cultural Resources Evaluation for the Rodgers Point Marina Project EIR, City of Antioch, Contra Costa County, California.	1981	Within
002827	David Chavez	Subsurface Archaeological Resources Investigations for the Rodgers Point Marina Project, City of Antioch, Contra Costa County, California, Phase I: Auguring Program	1981	Within
002970	Mara Melandry	Archaeological Survey Report for Excess Parcels on Route 4 near Antioch, Contra Costa County, 04-CC-4 P.M. 30.6X 04452-154302, Parcels 21994-1 and 21	1981	Within
005208	Gregory Greenway and William E. Soule	Sacramento-San Joaquin Delta Investigations: Cultural Resources Reconnaissance	1977	Within
005798	Peter Banks	An Investigation of the Cultural Resources within the Antioch Marina Park, Antioch, Contra Costa County, California.	1983	Within
006113		Class II Archaeological Survey, San Luis Drain and Alternatives, Central Valley Project, San Luis Unit, California, 1983	1983	Within
006132	Miley Paul Holman	Recommendations for the mitigation of prehistoric and historic resources within the Arata Ranch property south of Antioch, Contra Costa County, California (letter report)	1983	Within
006927	Suzanne Baker	Archaeological Reconnaissance of the Horse Valley Estates, Contra Costa County, California	1984	Within

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007133		S & J Investments Company, East Contra Costa Sanitary Landfill, Contra Costa County, California. Technical Report G, Cultural Resources	1985	Within
007133a	Suzanne B. Stewart	Cultural Resources Review, East Contra Costa County Sanitary Landfill Project, South of Antioch, Contra Costa County, California.	1985	Within
007386	David Chavez	Cultural Resources Evaluation for the Delta Landing EIR/EIS, Antioch, Contra Costa County, California.	1985	Within
007983	Janet Pape	An Archaeological Survey of Williamson/Shannon Homestead, Antioch, Contra Costa County, California.	1986	Within
008020	Miley Paul Holman	Oakley Area General Plan Update: Cultural Resources Evaluation (letter report)	1985	Within
008178	David Chavez	Archaeological Resources Evaluation for the Hillcrest Avenue Bridge Reconstruction and Widening Project (letter report).	1986	Within
008832	Roger H. Werner	Cultural Resource Survey of the Proposed Bare IV Site, East of Antioch in Contra Costa County, California	1986	Within
008914	Miley Paul Holman	Archaeological Field Inspection of the Nelson Ranch Development Area, Antioch, Contra Costa County, California (letter report)	1986	Within
009054	Polly McW. Quick	An archaeological survey of the Village Creek Apartments property in Antioch (letter report)	1987	Within
009214	Richard D. Ambro	An Archaeological Reconnaissance of the Baker Property (170 Acres), Between Pittsburg and Antioch, Contra Costa County, California	1987	Within
009462	Teresa Ann Miller	Identification and Recording of Prehistoric Petroglyphs in Marin and Related Bay Area Counties	1977	Within
009583	David W. Mayfield	Ecology of the Pre-Spanish San Francisco Bay Area	1978	Within
009776	David Chavez	Parcels "A" and "B", North American Development Corporation (letter report)	1988	Within
009795	Thomas Lynn Jackson	Late Prehistoric Obsidian Exchange in Central California	1986	Within
010040	Allan Bramlette, Mary Praetzellis, Adrian Praetzellis, and David A. Fredrickson	Archaeological and Historical Resources Within the Los Vaqueros/Kellogg Study Area, Contra Costa and Alameda Counties, California	1988	Within

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010040a	Allan G. Bramlette, Mary Praetzellis, Adrian Praetzellis, Katherine M. Dowdall, Patrick Brunmeier, and David A. Fredrickson	Archaeological Resources Inventory for Los Vaqueros Water Conveyance Alignments, Contra Costa County, California	1991	Within
010268	David Chavez and Sally B. Woodbridge	Cultural Resources Evaluations for the Pittsburgh-Antioch Alternatives Analysis, Contra Costa County, California	1988	Within
010413	David Chavez	Cultural Resources Investigations for the Contra Costa Water District Treatment Plant Project, Contra Costa County, California	1988	Within
010468	Miley Paul Holman	Antioch Sports Complex Archaeological Report, Contra Costa County, California (letter report)	1988	Within
010508	G. James West	Class II Archaeological Survey, Kellogg Unit Reformulation, Contra Costa County, California	1982	Within
010509	Peter M. Jensen, Alfred Farber, and Neal Neuenschwander	Class III Intensive Archaeological Field Reconnaissance of the Kellogg Reformulation Unit, Highline Canal Alternative, Contra Costa and Alameda Counties	1986	Within
011385	Suzanne Baker and Michael Smith	Archaeological Reconnaissance of the Highway 4 Widening Project Near Oakley, Contra Costa County, California	1990	Within
011826	Dorothea J. Theodoratus, Mary Pyle Peters, Clinton M. Blount, Pamela J. McGuire, Richard D. Ambro, Michael Crist, Billy J. Peck, and Myrna Saxe	Montezuma I and II Cultural Resources	1980	Within
012790	Kenneth N. Owens	Sacramento-San Joaquin Delta, California: Historical Resources Overview	1991	Within
013420		Cultural Resources Assessment Report for Lone Tree Valley Feasibility Study, Contra Costa County, California	1990	Within
013797	Miley Paul Holman	Archaeological Field Inspection of the APC Project Area, Antioch, Contra Costa County, California (letter report)	1991	Within
014382	Angela M. Banet	Archaeological Survey Report, removal of underground fuel tanks at the Caltrans Antioch Maintenance Station, 04-CCO-4 P.M. 28.9, E.A. 207740	1992	Within

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015529	Robert L. Gearhart II, Clell L. Bond, Steven D. Hoyt, James H. Cleland, James Anderson, Pandora Snethcamp, Gary Wesson, Jack Neville, Kim Marcus, Andrew York, and Jerry Wilson	California, Oregon, and Washington: Archaeological Resource Study	1993	Within
016205	Barry Price	Archaeological Survey, Proposed Antioch Concrete Coating Yard (letter report)	1992	Within
016377	Ann Samuelson, Carolyn Rice, Carrie Wills, and William Self	Archaeological Survey and Testing Report, Sand Creek Flood Detention Basin Project, Contra Costa County, California	1994	Within
016660	Jeffrey B. Fentress	Prehistoric Rock Art of Alameda and Contra Costa Counties, California	1992	Within
016916	Ann Samuelson, Carolyn Rice, and William Self	Archaeological Survey Report, Future Urban Area 1, Antioch, Contra Costa County, California	1994	Within
016917	Carolyn Rice, Ann Samuelson, and William Self	Archaeological Survey Report, Future Urban Area 2, Antioch, Contra Costa County, California	1994	Within
017773	Angela M. Banet	Contract 04E634-EP, Task Order #9, Historic Map Review for CALTRANS Maintenance Facilities (letter report)	1992	Within
017835	Judy Myers Suchey	Biological Distance of Prehistoric Central California Populations Derived from Non-Metric Traits of the Cranium	1975	Within
017993	Brian Hatoff, Barb Voss, Sharon Waechter, Stephen Wee, and Vance Bente	Cultural Resources Inventory Report for the Proposed Mojave Northward Expansion Project	1995	Within
017993a		Proposed Mojave Northward Expansion Project: Appendix A - Native American Consultation	1995	Within
017993b		Proposed Mojave Northward Expansion Project: Appendix B - Looping Segments - Class 1	1995	Within
017993c		Proposed Mojave Northward Expansion Project: Appendix C -Monitoring and Emergency Discovery Plan	1995	Within
017993d		Proposed Mojave Northward Expansion Project: Appendix D - General Construction Information	1995	Within
017993e		Proposed Mojave Northward Expansion Project: Appendix E - Archaeological Site Records	1995	Within
017993f		Proposed Mojave Northward Expansion Project: Appendix F - Historic Features Evaluation Forms	1995	Within

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017993g		Proposed Mojave Northward Expansion Project: Appendix G - Railroad Crossing Evaluation Forms	1995	Within
017993h		Proposed Mojave Northward Expansion Project: Appendix H - Crossing Diagrams and Plan View Maps	1995	Within
017993I		Proposed Mojave Northward Expansion Project: Appendix I - Railroad Depot NRHP Nomination Forms and Related Records	1995	Within
017993j		Proposed Mojave Northward Expansion Project: Appendix J - Looping Segment and Compressor Station Site Records	1995	Within
017993k		Proposed Mojave Northward Expansion Project: Appendix K - Historic Site Records / Isolate Forms	1995	Within
017993l		Proposed Mojave Northward Expansion Project: Appendix L - Photodocumentation	1995	Within
017993m		Proposed Mojave Northward Expansion Project: Appendix M - Curricula Vitae of Key Preparers	1995	Within
018187	Jack Meyer and David A. Fredrickson	Results of a Subsurface Archaeological Survey of the Proposed Los Vaqueros and Transfer Pipeline Routes, Los Vaqueros Project, Contra Costa County, California	1996	Within
018217	Glenn Gmoser	Cultural Resource Evaluations for the Caltrans District 04 Phase 2 Seismic Retrofit Program, Status Report	1996	Within
018250		Evaluation, Request for Determination of Eligibility, and Effect for the Los Vaqueros Project, Alameda and Contra Costa Counties, California	1992	Within
018250a	Steade R. Craig	BUR910227A2; Request for Determination of Eligibility and Effect for the Los Vaqueros Project, Contra Costa County (Cultural Resources)	1992	Within
018352		East/Central Contra Costa County Wastewater Management Plan, California: Cultural Resources Survey	1976	Within
018352a	Adam Cvijanovic and Larry Aull	Assessment of Historical and Architectural Resources	1976	Within
018352b	Colin I. Busby	Assessment of Archaeological Resources: East/Central Contra Costa County Wastewater Management Plan	1976	Within
018440	G. James West and Patrick Welch	Class II Archaeological Survey of the Contra Costa Canal, Contra Costa County, California	1996	Within
018557		Cultural Resources Investigation for the Proposed City of Brentwood Interim Water Supply Program, Contra Costa County, California	1996	Within
018641	Jack Meyer	Geoarchaeological Implications of Holocene Landscape Evolution in the Los Vaqueros Area of Eastern Contra Costa County, California	1996	Within

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018889	William Self	Archaeological Survey of West Antioch Storm Drain Project at Highway 4, Antioch, Contra Costa County, Ca. (letter report)	1996	Within
019018	James M. Allan, Carrie D. Wills, and William Self	Archaeological Survey, Testing and Data Recovery, West Antioch Creek Storm Drain Project, Contra Costa County, California	1997	Within
020218	William Self	Archaeological Survey of Proposed Williamson Ranch Plaza, Antioch, Contra Costa County, CA. (letter report)	1998	Within
020395	Donna L. Gillette	PCNs of the Coast Ranges of California: Religious Expression or the Result of Quarrying?	1998	Within
020481	Carrie D. Wills	Cultural Resources Assessment, Roddy Ranch Golf Course Project, Antioch, Contra Costa County, California	1998	Within
020635		Cultural Resources Assessment Report, Horse Valley and Adjoining Lands, Contra Costa County, California	1998	Within
021181	Colin I. Busby	Cultural Resources Assessment- Proposed Housing Site, Between West 7th and 9th Streets and I Street, City of Antioch, Contra Costa County, California (letter report)	1997	Within
022072	William Self	Archaeological Survey, SR4 East near Somersville Road, Antioch, California (letter report)	1999	Within
022464		Cultural Resource Inventory Report for the Williams Communications, Inc. Fiber Optic Cable System Installation Project, Pittsburg to Sacramento, California	1999	Within
022812	Colin I. Busby	Contra Costa County Water Multipurpose Pipeline Project, Environmental Documentation Study, Cultural Resources Review (letter report)	1997	Within
023349	Allen G. Pastron	Archival Literature Search and On-Site Archaeological Surface Reconnaissance of an Approximately 20 Acre Parcel of Land, Located Near the Intersection of Dallas Ranch Road and Mount Hamilton Drive, City of Antioch, Contra Costa County, California	1994	Within
023656	William Self	Archaeological Survey and Assessment of Harris Family Ranch (APN 007-010-031), Contra Costa County, California (letter report)	2001	Within
023659	William Self	Archaeological Survey of Contra Costa Landfill East Parcel, Antioch, Contra Costa County, Ca. (letter report)	2000	Within
023665	Fredric L. Quivik	Determination of Eligibility for the Contra Costa Power Plant	2000	Within

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023674	Michael J. Moratto, Richard M. Pettigrew, Barry A. Price, Lester A. Ross, Randall F. Schalk, Rick Atwell, Andrew Bailey, Gary Bowyer, Robert U. Bryson, Tim Canaday, Dianne Gardner, William Hildebrandt, Kurt T. Katsura, Clayton G. Lebow, Pat Mikkelsen, Scott Mumma, Lynda Sekora, Nancy D. Sharp, Craig Skinner, Lou Ann Speulda, Sharon Waechter, and Judith A. Willig	Archaeological Investigations, PGT-PG&E Pipeline Expansion Project, Idaho, Washington, Oregon, and California: Volume 1 Project Overview, Research Design and Archaeological Inventory	1994	Within
023674a	William R. Hildebrandt, Patrica J. Mikkelsen, Amy G. Gilreath, Sharon A. Waechter, John E. Berg, Paul D. Bouey, C. Kristina Roper, Randall T. Milliken, Ricky G. Atwell, Andrew J. Bailey, Kelly McGuire, Clayton G. Lebow, Kurt T. Katsura, and Jill Onken	Volume IIC, Book 1 and 2 Summary Reports: Prehistoric Sites, California	1995	Within

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023674b	Gary C. Bowyer, Lou Ann Speulda, Lynda J. Sekora, Lester A. Ross, Andrew J. Bailey, David Conca, Fred Crisson, David De Vries, Charles M. Hodges, Michael Ostrogorsky, Nancy Renk, and David G. Weatherby	Volume III Summary Reports: Historic Sites, Archaeological Investigations, PGT- PG&E Pipeline Expansion Project, Idaho, Washington, Oregon, and California	1995	Within
023674c	Ricky G. Atwell, William R. Hildebrant, Clayton G. Lebow, Patricia Mikkelsen, Michael J. Moratto, Richard M. Pettigrew, Lester A. Ross, Randall F. Schalk, Lynda J. Sekora, Lou Ann Speulda, Gary C. Bowyer, Charles M. Hodges, Deborah Jones, Michael Ostrogorsky, and Nancy D. Sharp	Volume IV Synthesis of Findings: Archaeological Investigations, PGT- PG&E Pipeline Expansion Project, Idaho, Washington, Oregon, and California	1995	Within

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023674d	Robert U. Bryson, Craig E. Skinner, Richard M. Pettigrew, Kenneth R. Bethard, Gary C. Bowyer, Catherine S. Fowler, Amy J. Gilreath, Douglas R. Harro, Williams R. Hildebrandt, Sally Ishikawa, Patricia Mikkelsen, Janet M. Mitchell, Michael J. Moratto, Scott Mumma, Margaret Newman, Kathryn Puseman, Matthen J. Root, Linda Scott-Cummings, Nancy D. Sharp, Nancy A. Stenholm, Gerald Upshaw, Philip R. Watson, and Eric Wohlgemuth	Volume V Technical Studies: Archaeological Investigations, PGT-P&E Pipeline Expansion Project, Idaho, Washington, Oregon, and California	1995	Within
023674e	Richard M. Pettigrew, Sandra Barnes, Janet M. Mitchell, Patricia Mikkelsen, and William Hildebrandt	Volume V Technical Studies Appendices Book 1-3: Archaeological Investigations, PGT- PG&E Pipeline Expansion Project, Idaho, Washington, Oregon, and California	1995	Within
023674f	Sharon Waechter*, Jill Onken**, Amy Gilreath*, Paul D. Bouey*, Eric Wohlgemuth*, and Nancy D. Sharp**	37.0 Site CA-CCO-368	1994	Within

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023674g	C.Kristina Roper and Barry A. Price	36.0 Site CA-SOL-348	1992	Within
024015	Shahira Ashkar	Cultural Resource Inventory Report for the Montezuma Enhancement Site, Southern Energy's Multispecies Habitat Conservation Plan for Pittsburg and Contra Costa Power Plants, Solano and Contra Costa Counties, California	2001	Within
024322	Sally Morgan and Bruce Bachand	Pittsburg District Energy Facility, Cultural Resources Technical Report (Appendix K)	1998	Within
024322a	Sally Morgan and Bruce Bachand	Pittsburg District Energy Facility, Cultural Resources Technical Report (Supplement to Appendix K)	1998	Within
024322b		Pittsburg District Energy Facility Cultural Resources, Technical Report Addendum 1, Appendix K (Additional Construction Laydown Area)	2000	Within
024466	Sandra Amaglio	Contra Costa County Public Works Department, Antioch Creek Flood Control Channel Realignment and Enlargement Project, FEMA-1203-DR-CA, DSR #96481 (letter report)	2001	Within
024466a	Knox Mellon and Sandro Amaglio	CCO County, Antioch Creek Flood Control Channel Realignment, CCO CO, FEMA 1203-DR-CA, DSR 96481	2001	Within
024568	Carolyn Losee	Record Search for Sprint PCS "Lone Tree Deer Valley" (Ref# SF33XC760D): Negative Results	2001	Within
025002	Colin I. Busby and Robert Harmon	Cultural Resources Assessment, Arco Products Company Property, Lone Tree Way and Empire Avenue, 6401 Lone Tree Way (APN 054-270-001 & 054-270-002), City of Brentwood, Contra Costa County - Job #5292.10 (letter report)	2001	Within
025093	Ric Windmiller	Phase I Archaeological Resources Inventory, Sky Ranch Unit 2, Pittsburg, Contra Costa County, California	2002	Within
025238	John Holson	Archaeological Survey Report for the Highway 4/ Somerville Cell Site, Antioch, Contra Costa County (letter report)	2002	Within
025683	Ric Windmiller	Inventory and Evaluation of Cultural Resources, Highlands Ranch, Pittsburg, Contra Costa County, California	1999	Within
026294	William Kostura	Historic Resource Evaluation of the Abrams Ranch, Pittsburg, Contra Costa County, California	2002	Within
026294a	Suzanne Baker	Phase 1 Archaeological Survey Report, Proposed Buchanan Road Bypass Project, Contra Costa County, California	2002	Within
026294b	Suzanne Baker	Cultural Resources Survey of the James Donlon Boulevard Extension Project, Contra Costa County, California	2007	Within

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026294c	Suzanne Baker	Cultural Resources Survey of the James Donlon Boulevard Extension Project, Contra Costa County, California: Addendum 1	2012	Within
026302	William Self	Archaeological Survey and Cultural Resources Assessment of Amber Park, Brentwood, Contra Costa County, California (letter report)	2001	Within
027049	Michelle St. Clair and John Holson	Archaeological Survey Report for the Delta Diablo Sanitation District Bridgehead Improvements Project, City of Antioch, Contra Costa County	2003	Within
027445	Joseph Giliberti	A Cultural Resources Reconnaissance Survey of Proposed Removal of the Tracy - Contra Costa - Ygnacio 69-kV Transmission Line, Contra Costa and Alameda Counties, California	2002	Within
027445a	Knox Mellon and James D. Keselburg	WAPA020617A; Transmission Line Removal in Contra Costa and Alameda Counties, California	2002	Within
028626	Ric Windmiller and Daniel J. Osanna	Bridle Gate, Cultural Resources Inventory and Evaluation, Brentwood, Contra Costa County, California	2004	Within
028626a	Ric Windmiller and Dana Supernowicz	Bridle Gate-Updated Cultural Resources Assessment, Brentwood, Contra Costa County	2020	Within
028811	Kimberly Popetz and William Self	Cultural Resources Assessment Report, State Route 4 Bypass Segment 1, Contra Costa County, California	2003	Within
029311	Graham Dalldorf	Letter Report of Archaeological Consultation for the Black Liquor Pond, East Mill Site, Gaylord Container Company, 2603 Wilbur Avenue, Antioch, California (letter report)	2004	Within
029690	Scott Billat	Collocation on PG&E tower and new equipment shelter, East Antioch/CA-2424B, Willow Road, Antioch, CA.	2005	Within
029919	D. Craig Young and Jeffrey S. Rosenthal	Geoarchaeological Assessment along the State Route 4 Widening Project.	2004	Within
029930	Lorna Billat	Request for SHPO Review of FCC Undertaking, Black Diamond Mine/CA-2786C, Antioch City Water Tank, Empire Mine Road, Antioch.	2005	Within
030204	Donna L. Gillette	The Distribution and Antiquity of the California Pecked Curvilinear Nucleated (PCN) Rock Art Tradition.	2003	Within
030387	Bai "Tom" Tang, Michael Hogan, Josh Smallwood, and Terri Jacquemain	Historical Resources Compliance Report, Burlington Northern Santa Fe Railway Double Track Project (Segment 2), Oakley (MP 1146.1) to Port Chicago (MP 1164.4), In and Near the Cities of Oakley, Antioch, and Pittsburg, and the Port Chicago Naval Weapons Station, Contra Costa County, California	2005	Within

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030387a	Bai "Tom" Tang, Michael Hogan, Josh Smallwood, and Terri Jacquemain	Archaeological Survey Report/Historical Resource Evaluation	2005	Within
030394		Historical Evaluation of Structures at 2522 and 2570 Empire Avenue, Brentwood, California.	2005	Within
030579	Colin I. Busby	Cultural Resources Report, Delta Energy Center Site (DEC) and Associated Linears, Cities of Pittsburg and Antioch, Contra Costa County, California, California Energy Commission (CEC), Project 98-AFC-3C	2004	Within
030587	Colin I. Busby	Cultural Resources Assessment, Laurel Ranch, 3941 Neroly Road (APN 053-060-015-4), Antioch, Contra Costa County, California (letter report)	2004	Within
030624	Barbra Siskin	Historical Resources Compliance Report, State Route 4/Main Street between SR 160 and Big Break Road in Oakley, 04-CC-4, KP 50.1/50.2, PM 31.1/32.3, 04-275-2A17000	2005	Within
030624a	Madeline R. Bowen	Historical Resources Evaluation Report Main Street (State Route 4) Widening from State Route 160 to Big Break City of Oakley, California Caltrans District 4, Contra Costa County	2005	Within
030653	Neal Kaptain	Historic Property Survey Report for the Somersville Road Bridge Replacement Project, Caltrans District 4, Antioch, Contra Costa County, California, 04-CC-0-ANT, BHLO-5038 (016), Bridge No. 28C-0201	2005	Within
030653a	Neal Kaptain	Archaeological Survey Report for the Somersville Road Bridge Replacement Project, Caltrans District 4, Antioch, Contra Costa County, Ca. 04-CC-0-ANT, BHLO-5038(016), EA #04-923903	2005	Within
030653b	Christopher McMorris	Historical Resources Evaluation Report, Replacement of Somersville Road Bridge over Contra Costa (28C0201), City of Antioch, Contra Costa County, Ca., 04-CC-0-ANT, BRLS-5038(016), EA 965100, Caltrans District 4	2005	Within
030653c	William B. Dewey	Photographs and Written Historical and Descriptive Data of the Somersville Road Bridge	2007	Within
030728	Scott Billat	New Tower ("NT") Submission Packet FCC Form 620, 2436 Mahogany Way, Antioch, Contra Costa County.	2005	Within
030762	Carolyn Losee	Collocation ("CO") Submission Packet FCC Form 621, End of Wild Horse Road, Antioch, Contra Costa County.	2005	Within
030768	Carolyn Losee	New Tower ("NT") Submission Packet FCC Form 620, Corner of 10th Street and "A" Street.	2005	Within

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030776	Carolyn Losee	Collocation ("CO") Submission Packet FCC Form 621, Northeast Corner of Contra Loma & James Donlon Blvds., Antioch, Contra Costa County.	2005	Within
030908	Lorna Billat	Collocation ("CO") Submission Packet FCC Form 621, Hillcrest, CA-2996A, 3900 Banbury Way, Antioch, Contra Costa County, California.	2005	Within
030913	Leigh Martin and William Self	Cultural Resources Assessment Report Sierra Vista Subdivision 7722, Antioch, Contra Costa County, California.	2005	Within
031133	Carolyn Losee	Collocation ("CO") Submission Packet, FCC Form 621, PG&E Tower # 2/16, Project Number TV-025-02.	2006	Within
031171	Mark A. Carper and Kim Tremaine	Cultural Resources Inventory Report: Trembath and Oakley Floodwater Control Basins, Antioch, California.	2005	Within
031233	Scott Billat	Antioch HS, 700 W. 18th Street, Antioch, Contra Costa County.	2006	Within
031375	M. Kate Lewis	State Route 4 (East) Widening Project: Loveridge Road to State Route 160, 04-CC-4-KP 37.8/R47.6 (PM 23.5/R29.6), EA 04275-228500, Contra Costa County	2004	Within
031375a	Kelly R. Heidecker	Archaeological Survey Report, State Route 4 (East) Widening Project: Loveridge Road to State Route 160, 04-CC-4-KP 37.8/R47.6 (PM 23.5/R29.6), EA 04275-228500, Contra Costa County	2004	Within
031375b	Craig Young and Jeffrey S. Rosenthal	Geoarchaeological Assessment along the State Route 4 Widening Project	2004	Within
031375c	Meta Bunse	Historic Resources Evaluation Report (HRER), State Route 4 (East) Widening Project: Loveridge Road to State Route 160, 04-CC-4-KP 37.8/R47.6 (PM 23.5/R29.6), EA 04275-228500, Contra Costa County. Volume 2 of 2	2004	Within
031405	James M. Allan	Archaeological Survey and Cultural Resources Assessment for the City of Antioch's proposed Antioch Recycled Water Pipeline project (letter report)	2006	Within
031848	James M. Keasling	Cultural Resource Records Search Results and Site Visit for Cingular Telecommunications Facility Candidate TV-027-01 (Cache Peak), Cache Peak Drive, Antioch, Contra Costa County, California (letter report)	2005	Within
031872		Finding of Effect for the Replacement of the Somersville Road Bridge Over Contra Costa Canal (28C0201), City of Antioch, Contra Costa County, California, 04-CC-0ANT, BRLS-5038(016), EA965100, Caltrans District 4	2005	Within

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032596	Randall Milliken, Jerome King, and Patricia Mikkelsen	The Central California Ethnographic Community Distribution Model, Version 2.0, with Special Attention to the San Francisco Bay Area, Cultural Resources Inventory of Caltrans District 4 Rural Conventional Highways	2006	Within
032885	Lorna Billat	New Tower ("NT") Submission Packet, FCC Form 620, Deer Valley, CA-2787D	2006	Within
033545		Draft Comprehensive Management and Use Plan and Environmental Impact Statement, Juan Bautista de Anza National Historic Trail, Arizona and California	1994	Within
033600	Jack Meyer and Jeff Rosenthal	Geoarchaeological Overview of the Nine Bay Area Counties in Caltrans District 4	2007	Within
033821		Cultural Resources Inventory Report for the Ironhouse Sanitary District Wastewater Treatment Plant Expansion, Contra Costa and Sacramento Counties, California	2007	Within
034086	Matthew R. Clark	Cultural Resources Inventory and Impacts Assessment for the Sky Ranch II Project, Subdivision # 8475, City of Pittsburg, Contra Costa County, California	2007	Within
034228		Historic Properties Survey Report/Finding of Effect (No Historic Properties Affected), PG&E Delta Distribution Planning Area (DPA) Capacity Increase Substation Project, City of Antioch, Contra Costa County, California	2006	Within
034412	Eric Wohlgemuth	Archaeological Reconnaissance of the Pacific Gas and Electric Company 230 kV Delta Transmission Line Reconductoring Project, Solano, Sacramento, and Contra Costa Counties, California	2005	Within
034942	James M. Allan	Addendum to Antioch Recycled Water Project (letter report)	2008	Within
035196	Allen Estes, Aimee Arrigoni, David Buckley, James Allan, and William Self	Cultural Resource Assessment Delta Diablo Sanitation District and the City of Antioch Recycled Water Pipeline Extension Project, Antioch, Contra Costa County, California	2006	Within
035196a	Milford Wayne Donaldson and Susan M. Fry	BUR070508H; Proposed Extension of a Recycled Water Pipeline with the City of Antioch, Contra Costa County, California (07-SCAO-086)	2007	Within
035237	Lorna Billat	New Tower ("NT") Submission Packet FCC Form 620, Metro PCS, Black Diamond, SF-19000A	2008	Within
035244	Suzanne Baker and Laurence H. Shoup	eBart Project EIR, Archaeological Survey Report: eBart Project, Contra Costa County, California	2008	Within

Report No. (S-)	Author(s)	Title	Year	Distance (miles) from Project Area
035244a	Laurence H. Shoup	eBart Transit Corridor EIR/EIS, Historic Resources Evaluation Report: San Pablo & Tulare Railroad/Central Pacific Railroad (Southern Pacific Railroad/Union Pacific Railroad), eBart Project, Contra Costa County, California	2007	Within
035244b	Ward Hill, Laurence H. Shoup, Marjorie Dobkin, and Suzanne Baker	DRAFT #2, eBART Transit Corridor EIR/EIS, Historic Resources Evaluation Report: Historic Architecture of the eBART Project, Contra Costa County, California	2007	Within
035244c	Suzanne Baker and Laurence H. Shoup	eBART Transit Corridor EIR/EIS, Positive Archaeological Survey Report: eBART Project, Contra Costa County, California (Union Pacific Mococo Line Alternative)	2007	Within
035455	Angela Cook and Aimee Arigoni	Final Cultural Resources Assessment Report, Roddy Ranch Project, Contra Costa County, California	2008	Within
035861	Bai "Tom" Tang	Historic Property Survey Report, proposed undertaking to upgrade the capacity of the Burlington Northern Santa Fe (BNSF) Railway's mainline from Mile Post (MP) 1146.1 to MP 1164.4, between the City of Oakley and the Port Chicago Naval Weapons Station in Contra Costa County	2009	Within
035861a	Bai "Tom" Tang, Michael Hogan, Josh Smallwood, and Terri Jacquemain	Archaeological Survey Report/Historical Resource Evaluation Report, Burlington Northern Santa Fe Railway Double Track Project (Segment 2), In and near the Cities of Oakley, Antioch, and Pittsburg and the Port Chicago Naval Weapons Station, Contra Costa County, California	2009	Within
036556	Melinda Hickman, Aimee Arrigoni, Eric Strother, and David Buckley	Final Archaeological Testing and Data Recovery Report for the Upper Sand Creek Basin Expansion Project. the Sullenger Ranch Complex (CA-CCO-681H), City of Antioch, Contra Costa County, CA	2009	Within
036622	Barbra Siskin, Cassidy DeBaker, and Jennifer Lang	Cultural Resources Investigation and Architectural Evaluation for the Contra Costa to Las Positas Reconductoring of the 230 kV Transmission Line, Contra Costa County and Alameda County, California	2008	Within
036622a	Barb Siskin and Cassidy DeBaker	Additional Cultural and Paleontological Resources Surveys and Monitoring for the Contra Costa Las Positas 230 kV Transmission Line Reconductoring Project	2009	Within
036781	Wayne Bonner	Cultural Resources Records Search Results for T-Mobile USA Candidate BA21252 (Kaiser Antioch), 4501 Sand Creek Road Antioch, Contra Costa County, California	2009	Within

Report No. (S-)	Author(s)	Title	Year	Distance (miles) from Project Area
037097	Aimee Arrigoni and Thomas Young	Cultural Resource Assessment Report Supplement Delta Diablo Sanitation District and the City of Antioch Recycled Water Pipeline Extension Project, Antioch, Contra Costa County, California	2010	Within
037839	Paul Farnsworth	Archaeological Survey and Cultural Resources Assessment of the SR-4 Bypass SR-4/160 Connectors, Contra Costa County, California (letter report)	2010	Within
038226	Heather Blind	Initial Cultural Resources Assessment of the Accidental Discovery at the Antioch Marina Boat Launch Facility Project, Antioch, Contra Costa County, California (letter report)	2010	Within
038250	James M. Allan	Roddy Ranch Project-Empire Mine Road Relocation, Antioch, Contra Costa County, California (letter report)	2011	Within
038392	Adrian Whitaker	PG&E Contra-Costa to Moraga Reconductoring Project (letter report)	2010	Within
038392a	Christophe Descantes	PG&E Contra Costa-Moraga 230 Kilovolt Reconductoring Project, Cultural Resource Studies (Order #30983398 & 31058247; USACE File #2012-00043C) - (letter report)	2014	Within
038392b	Cindy L. Baker	California Register of Historic Places Evaluation, Moraga Substation and the Contra Costa-Moraga Transmission Line, Contra Costa County, California	2011	Within
038392c	Cindy L. Baker	Cultural Resources Evaluation, Rossmoor Substation, Contra Costa County, California	2014	Within
038392d	Adrian R. Whitaker	Cultural Resources Report for the Contra Costa-Moraga 230 Kilovolt Reconductoring Project, Contra Costa County, California USACE File #2012-00043S	2015	Within
038392e	Adrian Whitaker	PG&E Contra Costa-Moraga 230 kV Reconductoring Project Modifications and Additions: Pull Site 41A North, Work Area 40; Crossing Structure 81F; Pull Site 77; Structures 143A, 143B, 143C; Pull Site 96; Landing Zone 96; Work Areas 101, 102A, 103; Work Area 1	2015	Within
038392f	Carol Roland-Nawi	COE_2015_0123_001; Contra Costa-Moraga 230 Kilovolt Re-conductor Project, Orinda, California; (2012-00043S)	2015	Within
038577	Heather Blind and Michael Hibma	Revised Cultural Resource Assessment of the Accidental Discovery at the Antioch Marina Boat Launch Facility Project, Antioch, Contra Costa County, California (Corp File No. SPK-2004-00520); LSA Project No. CAN 1002)	2010	Within
038847	Paul Farnsworth, Aimee Arrigoni, Nzaih Fino, and Angela Cook	Section 106 Evaluation Addendum to 'Final Archaeological Testing & Data Recovery Report for the Upper Sand Creek Basin Expansion Project. The Sullenger Ranch Complex (CA-CCO-681H), City of Antioch, Contra Costa County, CA'	2010	Within

Report No. (S-)	Author(s)	Title	Year	Distance (miles) from Project Area
038847a	Paul Farnsworth, Aimee Arrigoni, Nazih Fino, and Angela Cook	CEQA Evaluation Addendum to 'Final Archaeological Testing and Data Recovery Report for the Upper Sand Creek Basin Expansion Project. The Sullenger Ranch Complex (CA-CCO-681H), City of Antioch, Contra Costa County, California	2010	Within
038847b	Susan K. Stratton and William Guthrie	COE101018A: Section 404 of the Clean Water Act Authorization for the Upper San Creek Detention Basin Expansion Project, Contra Costa County California (Regulatory Division: SPK-2009-00996)	2010	Within
038872	Adrian Whitaker	Contra-Costa Substation Expansion (letter report)	2011	Within
038884	Laura Leach-Palm	PG&E proposed natural gas pipeline integrity excavation for Line 191 and 191A (letter report)	2011	Within
039103	James M. Allan	Archaeological Survey and Cultural Resources Assessment for the Holy Cross Funeral Center Project, Antioch, CA. (letter report)	2012	Within
039329	Allen G. Pastron	Phase I Cultural Resources Evaluation of The Pointe Project, Located within the Black Diamond Ranch Subdivision (APN 089-160-009), City of Antioch, Contra Costa County, California (letter report)	2010	Within
039371	Allen G. Pastron	CEQA-Level Phase I Cultural Resources Evaluation of the Jacuzzi Family Ranch Property, a 48.62-acre Parcel of Land Located in the City of Antioch, Contra Costa County, California (letter report)	2008	Within
039379		Cultural Resources Evaluation of the Proposed Delta Expressway Project, Contra Costa County, California	1992	Within
039618	Matthew A. Russell and Nazih Fino	Cultural Resources Assessment Report, Northeast Antioch Reorganization, Antioch, Contra Costa County, California	2012	Within
042845	Amy Foutch	PG&E External Corrosion Direct Assessment (ECDA) on Line 191 Station 87+10, Antioch, California	2012	Within
043437	Lisa Westwood and Stephan Pappas	Test Program Results and Evaluation for the Lone Tree School Site Within the Proposed AutoZone Project Area, City of Antioch, Contra Costa County, California, Project No. 2013-200	2013	Within
043476	Stephen Pappas and Lisa Westwood	Cultural Resources Inventory Report, Antioch AutoZone, Contra Costa County, California, ECORP Project No. 2013-200	2013	Within
043685	Barb Siskin, Cassidy DeBaker, Thomas Martin, Beatrice Cox, and Jennifer Lang	Cultural Resources Inventory for the San Joaquin Valley Right-of-Way Maintenance Environmental Assessment Project	2010	Within

Report No. (S-)	Author(s)	Title	Year	Distance (miles) from Project Area
043685a		Cultural Resources Background Research/Field Strategy Report for the San Joaquin Valley Right-of-Way Maintenance Environmental Assessment	2009	Within
043772	Brian Ludwig	Cultural Resources Inventory and Evaluation Report, Markley Creek Remediation Project	2008	Within
043830	Scott Williams	Proposed City of Antioch Field Sewer Pipeline Under the Contra Costa Canal	2011	Within
043861	Kristina Crawford	Reclamation, Managing Water in the West, Cultural Resources Context Memorandum, Contra Loma Reservoir and Recreation Area	2012	Within
043861a		Reclamation, Managing Water in the West, Cultural Resources Context Memorandum, Contra Loma Reservoir and Recreation Area	2014	Within
043861b	Mark A. Carper	MP-153 Cultural Resources Post Field Summary Record, East Bay Regional Park District's Contra Loma Boat Launch Facility Improvements Project 15-SCAO-168	2015	Within
043861c	Julianne Polanco	BUR_2015_0925_001; National Historic Preservation Act (NHPA) Section 106 Consultation for the Proposed Contra Loma Americans with Disabilities act (ADA) Facility Improvements Project, Contra Costa County, California (15-SCAO-168)	2015	Within
043861d	Mark A. Carper	RE: BUR_2014_703_001; RE: MP-153 Cultural Resources Post Field Summary Record, Tracking Number: 14-SCAO-062, Contra Loma ADA Restroom and Fish Cleaning Station Improvement Project	2014	Within
043861e	Carol Roland-Nawi	RE: BUR_2014_0703_001 RE: National Historic Preservation Act (NHPA) Section 106 Consultation for the Contra Loma Americans with Disabilities Act (ADA) Restroom and Fish Cleaning Station Improvement Project (14-SCAO-062)	2014	Within
043883	Carolyn Losee	Cultural Resources Investigation for AT&T Mobility CCU4511 "Sunset Drive & Cavallo Road," 801 Sunset Drive, Antioch, Contra Costa County, California 94509 (letter report)	2014	Within
044218	Virginia Hagensieker and Janine M. Origer	A Cultural Resources Study for the Wastewater Infrastructure Repair and Rehabilitation Project, within the cities of Bay Point, Pittsburg, and Antioch, Contra Costa County, California	2013	Within
044221	Virginia Hagensieker and Janine M. Origer	A Cultural Resources Survey for the Aviano Farms Development near Antioch, Contra Costa County, California	2013	Within
044231	Hannah Haas, Robert Ramirez, and Duane Vander Pluym	Archaeological Monitoring for the Upper Sand Creek Basin Project, Antioch, Contra Costa County, California (letter report)	2013	Within
044292	Karin Beck, Mark Hale, and Ben Elliott	Cultural Resource Report, California Energy Commission Condition of Certification CUL-4, Contra Costa County, California (08-AFC-3C)	2013	Within

Report No. (S-)	Author(s)	Title	Year	Distance (miles) from Project Area
044292a	Maureen Kick	Marsh Landing Generating Station (08-AFC-3C) Monthly Monitoring Summary Report Cultural Resources	2011	Within
044292b	Maureen Kick	Cultural Resources Report Subsection 2.12 Marsh Landing Generating Station (08-AFC-3C)	2011	Within
044292c	Maureen Kick	Cultural Resources Report Subsection 2.12 Marsh Landing Generating Station (08-AFC-3C)	2011	Within
044292d	Maureen Kick	Cultural Resources Report Subsection 2.12 Marsh Landing Generating Station (08-AFC-3C)	2011	Within
044292e	Maureen Kick	Cultural Resources Report Subsection 2.12 Marsh Landing Generating Station (08-AFC-3C)	2011	Within
044292f	Maureen Kick	Cultural Resources Report Subsection 2.12 Marsh Landing Generating Station (08-AFC-3C)	2011	Within
044292g	Maureen Kick	Cultural Resources Report Subsection 2.12 Marsh Landing Generating Station (08-AFC-3C)	2011	Within
044292h	Maureen Kick	Cultural Resources Report Subsection 2.12 Marsh Landing Generating Station (08-AFC-3C)	2011	Within
044292I	Maureen Kick	Cultural Resources Report Subsection 2.12 Marsh Landing Generating Station (08-AFC-3C)	2011	Within
044292j	Maureen Kick	Cultural Resources Report Subsection 2.12 Marsh Landing Generating Station (08-AFC-3C)	2011	Within
044292k	Maureen Kick	Cultural Resources Report Subsection 2.12 Marsh Landing Generating Station (08-AFC-3C)	2011	Within
044292l	Maureen Kick	Cultural Resources Report Subsection 2.12 Marsh Landing Generating Station (08-AFC-3C)	2012	Within
044292m	Maureen Kick	Cultural Resources Report Subsection 2.12 Marsh Landing Generating Station (08-AFC-3C)	2012	Within
044292n	Maureen Kick	Cultural Resources Report Subsection 2.12 Marsh Landing Generating Station (08-AFC-3C)	2012	Within
044292o	Maureen Kick	Cultural Resources Report Subsection 2.12 Marsh Landing Generating Station (08-AFC-3C)	2012	Within
044292p	Maureen Kick	Cultural Resources Report Subsection 2.12 Marsh Landing Generating Station (08-AFC-3C)	2012	Within
044292q	Maureen Kick	Cultural Resources Report Subsection 2.12 Marsh Landing Generating Station (08-AFC-3C)	2012	Within
044292r	Maureen Kick	Cultural Resources Report Subsection 2.12 Marsh Landing Generating Station (08-AFC-3C)	2012	Within
044292s	Maureen Kick	Cultural Resources Report Subsection 2.12 Marsh Landing Generating Station (08-AFC-3C)	2012	Within
044292t	Maureen Kick	Cultural Resources Report Subsection 2.12 Marsh Landing Generating Station (08-AFC-3C)	2012	Within
044292U	Maureen Kick	Marsh Landing Generating Station (08-AFC-3C) Condition of Certification CUL-7- Cultural Resources Discovery (letter report)	2011	Within
045650	Ric Windmiller and Kenneth L. Finger	Promenade, Cultural Resources Assessment, Antioch, Contra Costa County, California	2014	Within
046539	Matthew Holtkamp	Submission Packet, FCC Form 620, for proposed New Tower Project, Hillcrest Avenue & Wildflower Drive, Antioch, Contra Costa County, CA, Hillcrest Deer Valley/Ensite #23870 (299355), EBI Project Number: 6115000673	2015	Within

Report No. (S-)	Author(s)	Title	Year	Distance (miles) from Project Area
046539a	Andrea K. Fink	Cultural Resources Survey, Hillcrest Deer Valley/Ensite #23870 (299355), Hillcrest Avenue & Wildflower Drive, Antioch, Contra Costa County, California 94531, S29 T02N R02E	2015	Within
046889	Sean Dexter and Armando A Cuellar	Pacific Gas and Electric Lines 114 and 191 Replacement Project, Archaeological Survey Report, Contra Costa County, California	2011	Within
046889a	Stephanie Cimino, Kim Carpenter, and Jack Meyer	Supplemental Cultural Resources Inventory, Pacific Gas & Electric Company, Line 114 and 191 Pipeline Replacement Project, Contra Costa County, California	2014	Within
046889B	Carol Roland-Nawi and Anastasia T. Leigh	BUR_2014_0827_001; PG&E Line 114 Safety Enhancement Project, Contra Costa County, CA (14-SCAO-189); PG&E Order #30897880	2014	Within
046904	Miley Paul Holman	Archaeological Literature Search and Field Inspection of the Proposed Antioch Storm Drain Pipe Pproject, Antioch, Contra Costa County, California	2014	Within
046904a	Carol Roland-Nawi and William Guthrie	COE_2014_119_001; Section 106 Consultation for the Brosamer Data Center Project in Contra Costa County, CA (File # SPK-2005-011115);	2014	Within
046909	Aisha Rahimi-Fike	Delta Diablo Recycled Water System Expansion Project, Historical Resources Inventory and Evaluation Report, Contra Costa County, California	2015	Within
046909a		Delta Diablo Recycled Water System Expansion Project, Archaeological Inventory Report, Contra Costa County, California	2015	Within
047660	Carolyn Losee	Cultural Resources Investigation for AT&T Mobility CCL04277 (CNU4277) "Contra Loma" 9999 James Donlon Boulevard, Antioch, Contra Costa County, California 94509 (letter report)	2015	Within
047660a	Julianne Polanco	FCC_2015_1216_005; CCL04277 "Contra Lane" 9999 James Donlon Boulevard, Antioch, Collocation	2016	Within
047660b	Carolyn Losee	Section 106 Review, AT&T Site Number CCL04277/CNU4277 "Contra Loma" 9999 James Donlon Boulevard, Antioch, California 94509, Contra Costa County	2015	Within
049302	Juliana Quist and Allen G. Pastron	Phase I Cultural Resources Evaluation for the Black Diamond Mines Regional Preserve Trails Expansion Project, Contra Costa County, California	2017	Within
049320	Heidi Koenig	Cultural Resources Assessment Report: Delta Diablo East County Bioenergy Project, Cities of Antioch and Pittsburg, Contra Coast County	2016	Within
049353	E. Timothy Jones	Cultural Resources Study, Heidorn Village Project, Antioch, Contra Costa County, California	2017	Within
049353a	William Guthrie and Julianne Polanco	COE_2017_0630_001, Section 106 Consultation for the Heidorn Village Project, Antioch, Contra Costa County, California (SPK-2016_00604)	2017	Within

Report No. (S-)	Author(s)	Title	Year	Distance (miles) from Project Area
049478	Eileen Barrow	Cultural Resources Study for the Delta Diablo Pump Station Facilities Repair Project, Project Numbers 17128, 17129, 17130, 17131, and 17132, Contra Costa County, California	2017	Within
049537	Janine M. Origer	CA-CCO-682H (P-07-000005), along Sand Creek, Antioch, California (letter report)	2016	Within
049678	Aimee Arrigoni	Historic Property Survey Report for the SR-4/Bailey Road Interchange Pedestrian & Bicycle Improvement Project, Bay Point, Contra Costa, California, CCPWD Project: 0662-6R4121, EA: 04-3G840, EFIS: 04-1300-0199	2016	Within
049678a	Teresa Bulger	Archaeological Survey Report, SR-4/Bailey Road Interchange Pedestrian & Bicycle Improvement Project, Bay Point, Contra Costa, California, CCPWD Project: 0662-6R4121, EA: 04-3G840/Project ID: 0413000199	2016	Within
049678b	Aimee Arrigoni	Finding of No Adverse Effect-Non-Standard Conditions: SR-4/Bailey Road Interchange Pedestrian & Bicycle Improvement Project, Bay Point, Contra Costa, California, CCPWD Project: 0662-6R4121, EA: 04-3G840/Project ID: 0413000199	2016	Within
049678c	Kelly Hobbs and Julianne Polanco	FHWA_2016_0419_001, Finding of No Adverse Effect for the Proposed State Route 4/Bailey Road Interchange Pedestrian & Bicycle Improvement Project, Contra Costa County, CA	2016	Within
049780	Brian F. Byrd, Adrian R. Whitaker, Patricia J. Mikkelsen, and Jeffrey S. Rosenthal	San Francisco Bay-Delta Regional Context and Research Design for Native American Archaeological Resources, Caltrans District 4	2017	Within
049780a	Julianne Polanco	FHWA_2016_0615_001, Caltrans District 4 Archaeological Context	2016	Within
049936	Cher L. Peterson	Cultural Resources Records Search Results for T-Mobile West, LLC Candidate BA51975B (PG&E Sports Complex) 1030 Apollo Court, Antioch, Contra Costa County, California (letter report)	2016	Within
049936a	Kathleen A. Crawford	Direct APE Historic Architectural Assessment for T-Mobile West, LLC Candidate BA51975B (PG&E Sports Complex) 1030 Apollo Court, Antioch, Contra Costa County, California (letter report)	2016	Within
049936b	Kathleen Crawford	Collocation ("CO") Submission Packet, FCC Form 621 (BA51975B) (PG&E Sports Complex), 1030 Apollo Court, Antioch, CA 94509	2016	Within
049936c	Julianne Polanco	FCC_2016_0617_002: BA51975B (PG&E Sports Complex) 1030 Apollo Court, Antioch, Collocation	2016	Within

Report No. (S-)	Author(s)	Title	Year	Distance (miles) from Project Area
050081	Jeremy Adams, Stephen Pappas, and Megan Webb	Cultural Resources Inventory and Evaluation Report, Orfanos Property, Contra Costa County, California	2016	Within
050521	Heidi Koenig	Antioch Brackish Water Desalination Project, Cities of Antioch and Pittsburg, Contra Costa County, Cultural Resources Survey Report	2017	Within
050521a	Heidi Koenig	Cultural Resources Survey Report, Antioch Brackish Water Desalination Project, Cities of Antioch and Pittsburg, Contra Costa County, Revised 2019	2019	Within
050695	Carolyn Losée	Cultural Resources Investigation for AT&T CCL04275 "Hillcrest Road" 4551 Wild Horse Road, Antioch, Contra Costa County, California 94531 (letter report)	2018	Within
050695a	Carolyn Losée and Holly D. Moore	Collocation ("CO") Submission Packet, FCC Form 621, AT&T CCL04275/CNU4275, Near 4551 Wild Horse Road, Antioch, California	2018	Within
051174		Historic Properties Survey Report, 04-CC-4 P.M. 25.0/25.1, 04207-385631, Construction of Interchange at Standard Oil Avenue, City of Pittsburg, Contra Costa County	1981	Within
051174a	Mara Melandry	Archaeological Survey Report, 04-CC-4 P.M. 25.0/25.1, 04207-385631, Construction of Interchange at Standard Oil Avenue, City of Pittsburg, Contra Costa County	1981	Within
051174b	Fred Wasserman	Historic Architectural Survey for the Construction of Standard Oil Avenue, Interchange on Route 4 in Antioch, California 04207-385630	1981	Within
051534		Cultural and Paleontological Overview for the San Joaquin Valley Pipeline Project	1986	Within
051681	G. James West and Peter D. Schulz	An Archaeological Survey of the Stockton Ship Channel Dredged Material Disposal Sites, False River Cut-off, Levee Setback Sites and U.S. Navy Lands at Port Chicago	1975	Within
051807	John W. Dougherty	Historic Property Survey Report for the Wilbur Avenue Overhead, City of Antioch, Contra Costa County, California	1999	Within
051807a	John W. Dougherty	Negative Archaeological Survey Report for the Wilbur Avenue Overhead, City of Antioch, Contra Costa County, California	1999	Within
051807b	Tracy Bakic	Historic Architectural Survey Report for the Wilbur Avenue Overhead, City of Antioch, Contra Costa County, California	1999	Within
051881	Theadora Fuerstenberg and Megan Webb	Cultural Resources Inventory Report, the Ranch in Antioch Offsite Impact Areas, Contra Costa County, California	2017	Within

Report No. (S-)	Author(s)	Title	Year	Distance (miles) from Project Area
051882	Theadora Fuerstenberg and Megan Webb	Test Program Results and Evaluation for Cultural Resources in the Ranch in Antioch Project, Contra Costa County, California, Project No. 2017-109	2017	Within
051987	George McKale	A Cultural/Paleontological Resources Study for The Deer Valley Estates Master Plan Project, Antioch, Contra Costa County, California	2007	Within
052636	Lex Palmer and BranDee Bruce	Cultural Resources Report for the Contra Costa Water District kV Line Inspection, Repair, and Restoration Activities Along the Contra Costa Canal, Contra Costa County, California	2017	Within
052636a	Julianne Polanco and Anastasia T. Leigh	[BUR_2017_0914_001] Section 106 Consultation for the Proposed Contra Costa Water District (CCWD) 2.3 Kilovolt (kV) Line Inspection, Repair, and Restoration along the Contra Costa Canal (CCC), Contra Costa County, California (Project #17-SCAO-068)	2017	Within
052688	Katherine D. Thomas and Carrie D. Wills	Cultural Resources Record Search and Site Visit Results for AT&T Mobility, LLC Candidate CCL04273 (Furniture Clearance Outlet), 3215 Fairview Drive, Antioch, Contra Costa County, California, CASPR No. 3701ADKV2 (letter report)	2018	Within
052688a	Carrie D. Wills	FCC Wireless Telecommunications Bureau New Tower ("NT") Submission Packet, FCC Form 620, CCL04273 (Furniture Clearance Outlet), 3215 Fairview Drive, Antioch, CA 94509	2018	Within
052688b	Julianne Polanco	FCC_2018_1116_005, CCL04273 (Furniture Clearance Outlet) 3215 Fairview Drive, Antioch, Contra Costa County, New Tower	2018	Within
053135	Sally Evans and Gilbert Browning	Horse Valley Creek and Wetland Restoration Project, Antioch, Contra Costa County, CA: Damage Assessment Report For P-07-000269/CA-CC0-497H	2018	Within
053135a	Sally Evans	Proposal for Mitigation of Unanticipated Adverse Effects to P-07-000269 within the Horse Valley Creek and Wetland Restoration Project Area, Antioch, Contra Costa County, California (letter report)	2018	Within
053135b	William H. Guthrie and Julianne Polanco	COE_2017_1226_003, Section 106 Consultation for the Unanticipated Adverse Effect to P-07-000269 As a Result of the Horse Valley Restoration Project in Antioch, Contra Costa County, California (SPK-2017-00055).	2018	Within
053159	Eileen Barrow	Historical Resources Study of 3530-3560 E. 18th Street, Antioch, Contra Costa County, California	2018	Within
053159a	Eileen Barrow and Julia Karnowski	Cultural Resources Study of 3530-3560 E. 18th Street, Antioch, Contra Costa County, California	2019	Within

APPENDIX C. PREVIOUSLY RECORDED CULTURAL RESOURCES

Table C-1. Previously Recorded Cultural Resources

Primary No. (P-07-)	Trinomial No. (CA-CCO-)	Resource Type	Resource Description	Year Recorded	Distance From Project Area	NRHP/CRHR Status
000004	000681H	Historic Archaeological Site	Sullenger Historic Ranch Complex. Ranch home and associated structures. Artifacts include ranch and other household equipment. 1880	1993, 1994, 2008, 2010	Within	NR/CR – Not Eligible
000005	000682H	Historic Archaeological Site	Heidorn Ranch. Water trough depression feature, brick and concrete cistern, well, barbed-wire fence debris deposit, and fence posts. 1896	1993, 2006, 2007, 2014, 2020	Within	NR/CR – Not Eligible
000006	000683H	Historic Archaeological Site	Brick-lined, mortar-covered cistern, “J” shaped depression feature, series of aligned concrete blocks, large metal pipe and a number of imported trees. 1896	1993, 2000	Within	Unevaluated
000007	000684H	Historic Archaeological Site	Teutonia Coal Mine. Rock terraces and two mine openings with scattered historic and modern glass and bricks deposit. 1873	1993	Within	Unevaluated
000008	000685H	Historic Archaeological Site	Town of Judsonville and the Hobson Homestead. Historic period artifact scatters, hand-hewn cave, well and two ground surface depressions. 1877	1993, 2015, 2017	Within	NR/CR - Eligible
000009	000686H	Historic Archaeological Site	Remains of a schoolhouse structure associated with town of Judsonville. 5 eucalyptus trees and square foundation corner dug into hillside and slight ground depression. 1877	1993, 2000	Within	Unevaluated

Primary No. (P-07-)	Trinomial No. (CA-CCO-)	Resource Type	Resource Description	Year Recorded	Distance From Project Area	NRHP/CRHR Status
000010	000687H	Historic Built Environment	Historic ranch site with homestead and shed structures. Construction includes square head nails in siding. Post 1939	1993, 2015, 2017	Within	NR/CR – Eligible Criterion D/Criterion 4
000011	000688H	Historic Built Environment	West Hartley Mine, Empire Mine, parts of the Empire railroad and the towns of West Hartley and Empire. Numerous cisterns, mine entrances, tailings piles, brick and dirt foundations, depressions and irregular mounds. 1870s	1993, 2000	Within	NR - Eligible
000012	000689H	Historic Archaeological Site	Star Mine. Roadbed remains of the Empire railroad, depressions, cement-forms, covered cisterns, covered well, tailings piles, ditch and possible foundation. 1876-1896	1993, 2000	Within	Unevaluated
000013	000690H	Historic Archaeological Site	Isreal Mine. Large disturbed area with natural spring and large bits of coal deposits on surface. C. 1859	1993	Within	Unevaluated
000014	000691H	Historic Archaeological Site	Collapsed historic building. Rock excavation area, wood and tin deposit and a windmill. C. 1911	1993	Within	Unevaluated
000015	000692H	Historic Built Environment	Lone Tree School. Concrete slab and possible restroom foundation. 1873-1911	1993, 2013	Within	Unevaluated
000091	000149	Prehistoric Archaeological Site	Obsidian projectile point isolate	1938	Within	Unevaluated
000194	000385	Prehistoric Archaeological Site	Scatter of fire-altered rock, sandstone and basalt ground implements, modified quartzite, chalcedony and petrified wood flakes and possible midden swale.	1978	Within	Unevaluated

Primary No. (P-07-)	Trinomial No. (CA-CCO-)	Resource Type	Resource Description	Year Recorded	Distance From Project Area	NRHP/CRHR Status
000195	000386	Prehistoric Archaeological Site	Scatter of fire-cracked rock, chert flakes and sandstone-basalt ground implements and midden deposit.	1978	Within	Unevaluated
000211	000414H	Historic Archaeological Site	El Lindero farm complex remains. Area of burned earth and brick, fire brick, glass fragments, stoneware sherds, metal encased well, alignments of bricks with a low structural platform.	1979	Within	Unevaluated
000220	000437	Prehistoric Archaeological Site	Arata vernal pool site. Possible seasonal gathering place.	1981, 2002	Within	Unevaluated
000268	000496H	Historic Archaeological Site	Remnants of historic ranching/farming complex. Brick foundation, artifact scatter, well/cistern, metal cattle watering troughs, pit and remains of a windmill and olive orchard. 1880s – 1890s	1984, 1985, 1998, 2008	Within	NR/CR-Potentially Eligible Criteria D/Criterion 4
000269	000497H	Historic Archaeological Site	Remnants of historic ranching/farming complex. Three foundations, buried trash deposit and brick/artifact scatter associated with homesite. 1870 - 1900	1984, 1985, 1998, 2008	Within	NR/CR-Potentially Eligible Criteria D/Criterion 4
000303	000532/H	Multi-Component Site	Williamson/Shannon Ranch. Single family residence and associated buildings. Late 1860s	1986	Within	NR - Listed
000458	000441/H	Multi-Component Site	Smith's Landing Site/Fulton's Shipyard. Site of W.W. Smith's home, the founder of Antioch. Midden subsurface deposits, clay fragments and burnt/unburnt animal bone fragments.	1975, 1982	Within	Unevaluated

Primary No. (P-07-)	Trinomial No. (CA-CCO-)	Resource Type	Resource Description	Year Recorded	Distance From Project Area	NRHP/CRHR Status
000487		Historic Archaeological Site	Los Medanos Wasteway. 8ft wide by 6ft deep concrete channel with dams, canals, pumps and other associated facilities. 1937	1994	Within	NR – Not Eligible
000508	000712H	Historic Archaeological Site	Wood-lined well and small concentration of historic debris. 1848-1880	1996	Within	Unevaluated
000750	000572	Prehistoric Archaeological Site	Small lithic scatter of chert or crypto-crystalline flakes, shatter and core Fragments.	1988, 2011	Within	Unevaluated
000762		Historic Built Environment	Series of metal animal feed troughs on concrete pad and fenced stock pen area.	1998	Within	Unevaluated
000806	000732H	Historic Built Environment	Atchison, Topeka & Santa Fe Railroad. Two commercial railroad alignments. 1872	1995, 1996, 1998, 1999, 2004, 2009, 2016	Within	NR/CR – Not Eligible
000813	000733H	Historic Built Environment	Southern Pacific Railroad. Railroad system of alignments and spurs and associated facilities. 1911	1994, 1995, 1999, 2002, 2004, 2006, 2008, 2009, 2011, 2014	Within	NR/CR – Not Eligible
000853		Historic Built Environment	Contra Costa Power Plant Substation. Switching station, handling house, switchyard and 2 associated modern red-brick buildings. 1951	2000, 2008	Within	NR/CR – Not Eligible
000878		Historic Archaeological Site	Site of Marsh Landing. 1836	1975	Within	Unevaluated

Primary No. (P-07-)	Trinomial No. (CA-CCO-)	Resource Type	Resource Description	Year Recorded	Distance From Project Area	NRHP/CRHR Status
000889		Historic Built Environment	Riverview Union High School. 1500 W. 4 th Street. Renaissance Revival style school building. 1910-1948	1998, 2014	Within	NR - Listed
001292		Historic Archaeological Site	Black Diamond Mines, Black Diamond Regional Preserve. 272 mining related features and towns associated with the coal mining boom of the mid-1850s.	1989, 2018	Within	NR - Listed
002457		Historic Built Environment	3-building complex consisting of a house, barn and shed. 1918	1998	Within	NR – Not Eligible
002542		Historic Built Environment	Single family residence. Two-story rectangular, wood-frame structure with concrete foundation. 1948	1998	Within	NR/CR – Not Eligible
002563		Historic Archaeological Site	Antioch Marina Spoils Site. Marina construction dredging deposit with animal bone, glass, stoneware/earthenware fragments, insulator, porcelain and small embossed plaque.	2002	Within	Unevaluated
002598		Historic Archaeological Site	Standard Oil Los Medanos Tank Farm. Nine crude oil storage tanks, remnant of earthen dam and associated pipelines and hydrants. 1913	1999	Within	Unevaluated
002648		Historic Built Environment	Contra Costa Canal Bridge. two-lane bridge over Contra Costa Canal. 1937	2004, 2005, 2014	Within	NR/CR - Eligible
002695		Historic Built Environment	Contra Costa/Clayton Canal bridges and culverts. Bridges constructed of either timber or concrete and steel. 1937-1948	1993, 1995, 2003, 2005, 2008, 2009, 2010	Within	NR/CR – Not Eligible

Primary No. (P-07-)	Trinomial No. (CA-CCO-)	Resource Type	Resource Description	Year Recorded	Distance From Project Area	NRHP/CRHR Status
002772		Historic Built Environment	PG&E South Tower-Contra Cosa Transmission Line. Double circuit lattice towers constructed of steel placed on concrete foundations. C. 1942	2002	Within	NR/CR – Not Eligible
002774		Historic Built Environment	Standard Oil Undercrossing. 2 side-by-side single spans for two directions of traffic on State Route 4. Spans are cast in place concrete slabs. 1953	2002	Within	NR/CR – Not Eligible
002775		Historic Built Environment	Los Medanos Wasteway & Culvert. “U” shaped, earth-lined channel, 15 feet deep and 40 feet wide. 1937	2002	Within	NR/CR – Not Eligible
002776		Historic Built Environment	Contra Loma Drain. 3-channel concrete box culvert with concrete headerwall and 2 board formed wing walls. 1952	2002	Within	NR/CR – Not Eligible
002777		Historic Built Environment	Contra Loma Undercrossing bridge. 2 identical side-by-side bridges with reinforced concrete slabs and abutments. 1953	2002	Within	NR/CR – Not Eligible
002778		Historic Built Environment	Single family residence. 1018 Fitzuren Road. One-story wood framed house with garage and small shed. Minimal traditional style. 1941	2002	Within	NR/CR – Not Eligible
002779		Historic Built Environment	Sycamore Park Subdivision. Residential subdivision with single family residences. Ranch House style. 1947	2002, 2006	Within	NR/CR – Not Eligible
002780		Historic Built Environment	Hawthorne Hill Subdivision. Residential subdivision with single family residences. Ranch House style. 1951	2007	Within	NR/CR – Not Eligible

Primary No. (P-07-)	Trinomial No. (CA-CCO-)	Resource Type	Resource Description	Year Recorded	Distance From Project Area	NRHP/CRHR Status
002781		Historic Built Environment	Mission Subdivision. Residential subdivision with single family residences. Ranch House and Minimal Traditional style. 1946	2002	Within	NR/CR – Not Eligible
002782		Historic Built Environment	Piedmont Terrace. Residential subdivision with single family residences. Ranch House and Contemporary style. 1953	2002	Within	NR/CR – Not Eligible
002783		Historic Built Environment	Single family residence. 909 Fitzuren Road. Minimal Traditional style. 1951	2002	Within	NR/CR – Not Eligible
002784		Historic Built Environment	John Marsh Elementary School. 2304 G Street. 3-wing main classroom building, 2-story multipurpose room, library building, five classroom annexes and a cluster of modern modular classrooms. Modern style. 1947	2002	Within	NR/CR – Not Eligible
002785		Historic Built Environment	Single family residence. 10 Texas Street. 1948	2002	Within	NR/CR – Not Eligible
002786		Historic Built Environment	Pentecostal Holiness Church. 11 Texas Street. Single story buildings connected by covered flat roof section, walkway. Minimal Traditional style. 1954	2002	Within	NR/CR – Not Eligible
002787		Historic Built Environment	2 single family residences. 623 Texas Street & 2405 G Street. Minimal Traditional style. 1946/1950	2002	Within	NR/CR – Not Eligible
002788		Historic Built Environment	Single family residence. 2515 Gem Lane. Minimal Traditional style. 1948	2002	Within	NR/CR – Not Eligible

Primary No. (P-07-)	Trinomial No. (CA-CCO-)	Resource Type	Resource Description	Year Recorded	Distance From Project Area	NRHP/CRHR Status
002789		Historic Built Environment	G Street Overcrossing bridge. Concrete continuous tee beam structure with reinforced concrete window railing. 1953	2002	Within	NR/CR – Not Eligible
002790		Historic Built Environment	Single family residence. 2509 D Street. Craftsman Bungalow style. 1937	2002	Within	NR/CR – Not Eligible
002791		Historic Built Environment	2 single family residences. 2518-2520 D Street. Minimal Traditional style. 1940	2002	Within	NR/CR – Not Eligible
002792		Historic Built Environment	Single family residence and garage. 20 Drake Street. Minimal Traditional style. 1942	2002	Within	NR/CR – Not Eligible
002793		Historic Built Environment	Single family residence. 208 Drake Street. Minimal Traditional style. 1930	2002	Within	NR/CR – Not Eligible
002794		Historic Built Environment	Single family residence. 210 Drake Street. Minimal Traditional style. 1939	2002	Within	NR/CR – Not Eligible
002795		Historic Built Environment	Single family residence. 214 Drake Street. Minimal Traditional style. 1934	2002	Within	NR/CR – Not Eligible
002796		Historic Built Environment	Single family residence and garage. 218 Drake Street. Minimal Traditional style. 1934	2002	Within	NR/CR – Not Eligible
002797		Historic Built Environment	Single family residence, secondary residence and garage. 22 Drake Street. Bungalow style. 1922/1932	2002	Within	NR/CR – Not Eligible
002798		Historic Built Environment	Single family residence. 222 Drake Street. Craftsman style. 1934	2002	Within	NR/CR – Not Eligible
002799		Historic Built Environment	Single family residence. 224 Drake Street. Craftsman Bungalow style. 1934	2002	Within	NR/CR – Not Eligible

Primary No. (P-07-)	Trinomial No. (CA-CCO-)	Resource Type	Resource Description	Year Recorded	Distance From Project Area	NRHP/CRHR Status
002801		Historic Built Environment	Single family residence, extension and garage. 230 Drake Street. Minimal Traditional style. 1934	2002	Within	NR/CR – Not Eligible
002802		Historic Built Environment	Single family residence and garage. 28 Drake Street. Craftsman style. 1929	2002	Within	NR/CR – Not Eligible
002803		Historic Built Environment	Single family residence and garage. 34 Drake Street. Craftsman style. 1929	2002	Within	NR/CR – Not Eligible
002804		Historic Built Environment	Single family residence. 308 Drake Street. Minimal Traditional style. 1946	2002	Within	NR/CR – Not Eligible
002805		Historic Built Environment	Single family residence. 310 Drake Street. Minimal Traditional style. 1941	2002	Within	NR/CR – Not Eligible
002806		Historic Built Environment	Single family residence and secondary residence. 316 Drake Street. Minimal Traditional style. 1945	2002	Within	NR/CR – Not Eligible
002807		Historic Built Environment	Single family residence. 318 Drake Street. Minimal Traditional style. 1940	2002	Within	NR/CR – Not Eligible
002808		Historic Built Environment	Single family residence and shed. 322 Drake Street. California Bungalow style. 1948	2002	Within	NR/CR – Not Eligible
002809		Historic Built Environment	Single family residence. 324 Drake Street. Minimal Traditional style. 1946	2002	Within	NR/CR – Not Eligible
002810		Historic Built Environment	Single family residence and garage. 330 Drake Street. Minimal Traditional style. 1947	2002	Within	NR/CR – Not Eligible
002811		Historic Built Environment	Single family residence. 334 Drake Street. Minimal Traditional style. 1946	2002	Within	NR/CR – Not Eligible
002812		Historic Built Environment	Single family residence. 338 Drake Street. Minimal Traditional style. 1942	2002	Within	NR/CR – Not Eligible

Primary No. (P-07-)	Trinomial No. (CA-CCO-)	Resource Type	Resource Description	Year Recorded	Distance From Project Area	NRHP/CRHR Status
002813		Historic Built Environment	Single family residence. 440 Drake Street. Minimal Traditional style. 1942	2002	Within	NR/CR – Not Eligible
002814		Historic Built Environment	Single family residence. 442 Drake Street. Minimal Traditional style. 1941	2002	Within	NR/CR – Not Eligible
002815		Historic Built Environment	Single family residence. 444 Drake Street. Minimal Traditional style. 1942	2002	Within	NR/CR – Not Eligible
002816		Historic Built Environment	Single family residence. 508 Drake Street. Minimal Traditional style. 1941	2002	Within	NR/CR – Not Eligible
002817		Historic Built Environment	Single family residence. 514 Drake Street. Minimal Traditional style. 1946	2002	Within	NR/CR – Not Eligible
002818		Historic Built Environment	Single family residence. 538 Drake Street. Minimal Traditional style. 1942	2002	Within	NR/CR – Not Eligible
002819		Historic Built Environment	Single family residence. 600 Drake Street. Minimal Traditional style. 1946	2002	Within	NR/CR – Not Eligible
002820		Historic Built Environment	2 Single family residences. 602-604 Drake Street. Minimal Traditional style. 1948	2002	Within	NR/CR – Not Eligible
002821		Historic Built Environment	2 Single family residences. 612-612 1/2 Drake Street. Minimal Traditional style. 1948/1950	2002	Within	NR/CR – Not Eligible
002822		Historic Built Environment	Single family residence. 614 Drake Street. Minimal Traditional style. 1947	2002	Within	NR/CR – Not Eligible
002823		Historic Built Environment	2 Single family residences. 616-618 Drake Street. Minimal Traditional style. 1900/1964	2007	Within	NR/CR – Not Eligible
002824		Historic Built Environment	Single family residence. 2512 Lindberg Street. Minimal Traditional style. 1938	2002	Within	NR/CR – Not Eligible

Primary No. (P-07-)	Trinomial No. (CA-CCO-)	Resource Type	Resource Description	Year Recorded	Distance From Project Area	NRHP/CRHR Status
002825		Historic Built Environment	Single family residence. 2515 Lindberg Street. Ranch style. 1956	2002	Within	NR/CR – Not Eligible
002826		Historic Built Environment	Templo Santo Open Bible Church. 2400 A Street. 3-part building, Neo-Eclectic style. 1949	2002	Within	NR/CR – Not Eligible
002827		Historic Built Environment	Single family residence. 2406 A Street. Craftsman style. 1929	2002	Within	NR/CR – Not Eligible
002828		Historic Built Environment	Single family residence. 2408 A Street. Ranch style. 1955	2002	Within	NR/CR – Not Eligible
002829		Historic Built Environment	2 single family residences. 312-316 West Tregallas Road. Minimal Traditional style. 1949	2002	Within	NR/CR – Not Eligible
002830		Historic Built Environment	Single family residence. 297 West Tregallas Road. Minimal Traditional style. 1947	2002	Within	NR/CR – Not Eligible
002831		Historic Built Environment	Single family residence. 299 West Tregallas Road. Minimal Traditional style. 1946	2002	Within	NR/CR – Not Eligible
002832		Historic Built Environment	Single family residence. 2713 D Street. Craftsman style. 1937	2002	Within	NR/CR – Not Eligible
002833		Historic Built Environment	Single family residence. 2710 East Tregallas Road. Craftsman style. 1929	2002	Within	NR/CR – Not Eligible
002834		Historic Built Environment	Single family residence. 2714 East Tregallas Road. Minimal Traditional style. 1954	2002	Within	NR/CR – Not Eligible
002835		Historic Built Environment	Single family residence. 2716 East Tregallas Road. Craftsman style. 1930	2002	Within	NR/CR – Not Eligible

Primary No. (P-07-)	Trinomial No. (CA-CCO-)	Resource Type	Resource Description	Year Recorded	Distance From Project Area	NRHP/CRHR Status
002836		Historic Built Environment	Single family residence, storage shed and 2 metal frame car shelters. 39 Texas Street. 1953	2003	Within	NR/CR – Not Eligible
002837		Historic Built Environment	Single family residence. 33 Texas Street. 1950	2003	Within	NR/CR – Not Eligible
002838		Historic Built Environment	Single family residence and shed. 21 Texas Street. 1953	2003	Within	NR/CR – Not Eligible
002839		Historic Built Environment	Sunset Gardens Unit No. 1, 2, & 3. 52 individual single family residences. Minimal Traditional style. 1950-1953	2002	Within	NR/CR – Not Eligible
002840		Historic Built Environment	Westwood Estates Subdivision. Residential subdivision of single family homes. Ranch style. 1956	2002	Within	NR/CR – Not Eligible
002841		Historic Built Environment	Garrow Subdivision Unit No. 1. Residential subdivision of single family homes. Ranch style. 1952-1954	2002	Within	NR/CR – Not Eligible
002842		Historic Built Environment	Garrow Subdivision Unit No. 2. Residential subdivision of single family homes. Minimal Traditional style. 1952-1953	2002	Within	NR/CR – Not Eligible
002843		Historic Built Environment	Elena Manor Unit No. 1. Residential subdivision of single family homes. Ranch style. 1955-1956	2002	Within	NR/CR – Not Eligible
002844		Historic Built Environment	Single family residence. 1208 Sunset Drive. Ranch style. 1956	2002	Within	NR/CR – Not Eligible
002845		Historic Built Environment	Single family residence. 1214 Sunset Drive. Minimal Traditional style. 1954	2002	Within	NR/CR – Not Eligible
002846		Historic Built Environment	2 apartment buildings. 850 East Tregallas Road. Minimal Traditional style. 1948/1969	2002	Within	NR/CR – Not Eligible

Primary No. (P-07-)	Trinomial No. (CA-CCO-)	Resource Type	Resource Description	Year Recorded	Distance From Project Area	NRHP/CRHR Status
002847		Historic Built Environment	Single family residence, secondary residence and apartment building. 208 East Tregallas Road. Minimal Traditional style. 1940	2002	Within	NR/CR – Not Eligible
002848		Historic Built Environment	Single family residence. 212 East Tregallas Road. Tudor Revival style. 1935	2002	Within	NR/CR – Not Eligible
002849		Historic Built Environment	Single family residence. 220 East Tregallas. Minimal Traditional style. 1942	2002	Within	NR/CR – Not Eligible
002850		Historic Built Environment	Single family residence and garage. 310 East Tregallas Road. Minimal Traditional style. 1948	2002	Within	NR/CR – Not Eligible
002851		Historic Built Environment	Single family residence. 318 East Tregallas Road. Craftsman style. 1939	2002	Within	NR/CR – Not Eligible
002853		Historic Built Environment	Single family residence and garage. 328 East Tregallas Road. Workingman's Four-Square Cottage style. 1912	2002	Within	NR/CR – Not Eligible
002876		Historic Archaeological Site	Scatter of domestic refuse associated with mid-20 th century residential community.	2003	Within	NR/CR – Not Eligible
002882		Historic Built Environment	Single family residence. 2502 Willow Avenue. Minimal Traditional style. 1943	2002	Within	NR/CR – Not Eligible
002883		Historic Built Environment	Single family residence, large outbuilding and shed. Terminus of Willow Avenue. Craftsman style. 1931	2002, 2008	Within	NR/CR – Not Eligible
002884		Historic Built Environment	Single family residence. 317 West 20th Street. Bungalow style. 1935	2006	Within	NR/CR – Not Eligible

Primary No. (P-07-)	Trinomial No. (CA-CCO-)	Resource Type	Resource Description	Year Recorded	Distance From Project Area	NRHP/CRHR Status
002885		Historic Built Environment	Single family residence. 329 West 20th Street. Bungalow style. 1937	2006	Within	NR/CR – Not Eligible
002886		Historic Built Environment	Single family residence. 415 West 20th Street. Bungalow style. 1927	2006	Within	NR/CR – Not Eligible
002887		Historic Built Environment	Single family residence. 419 West 20th Street. Bungalow style. 1927	2006	Within	NR/CR – Not Eligible
002888		Historic Built Environment	Single family residence. 224 Lawton Street. Bungalow style. 1926	2006	Within	NR/CR – Not Eligible
002889		Historic Built Environment	Single family residence. 220 Lawton Street. Bungalow style. 1945	2006	Within	NR/CR – Not Eligible
002890		Historic Built Environment	Single family residence. 210 Lawton Street. Bungalow style. 1945	2006	Within	NR/CR – Not Eligible
002891		Historic Built Environment	3 single family residences. 2137-2141 Alpha Way. Vernacular style, Bungalow style and Ranch style. 1930/1935/1950	2006	Within	NR/CR – Not Eligible
002892		Historic Built Environment	Bidwell Elementary School. Educational complex of four classroom wings and auditorium. 800 Gary Avenue. Modern style. 1958	2006	Within	NR/CR – Eligible under Criterion C and Criterion 3
002893		Historic Built Environment	Lynwood Estates Subdivision. Residential subdivision of single family residences. Ranch style. 1952	2006	Within	NR/CR – Not Eligible
002895		Historic Built Environment	Farmstead of 3 single family residences, 4 car garage, barn and shed. 3051 Empire Avenue. Bungalow style. 1922	2006	Within	NR/CR – Not Eligible

Primary No. (P-07-)	Trinomial No. (CA-CCO-)	Resource Type	Resource Description	Year Recorded	Distance From Project Area	NRHP/CRHR Status
002923		Historic Built Environment	Newlove Oil Pumping Station. 3995 Willow Road. Industrial style. C. 1916	2008	Within	NR- Not Eligible
002950		Historic Built Environment	Contra Costa Substation. Substation building, 2 utilitarian buildings and switching yard. 2111 Hillcrest Avenue. 1925	2008	Within	NR/CR – Not Eligible
002951		Historic Built Environment	Contra Costa Las Positas Transmission Line. Steel lattice towers with concrete footings. 1925-1926, C. 1972	2008	Within	NR/CR – Not Eligible
002952		Historic Archaeological Site	Artifact scatter glass fragments, red brick, white leather shoe, pocket magnifying glass, nails and a metal door hinge.	2008	Within	Unevaluated
003002		Historic Archaeological Site	Historic period almond orchard. Two dozen almond trees and fragments of historic glass associated with domestic residence. 1942	2009	Within	Unevaluated
004622		Historic Archaeological Site	2 large piles of mixed historic/modern debris. 3 square nails and other debris.	2008	Within	Unevaluated
004623		Historic Archaeological Site	Refuse deposit. 8-foot-long utility pole, pieces of corroded metal, glazed ceramic pipe fragments, bottle fragments, barbed wire, 3 faunal bone fragments and a shotgun shell.	2011	Within	Unevaluated
004624		Historic Archaeological Site	Isolated shard of bottle glass. Late 1800s.	2012	Within	Unevaluated
004625		Prehistoric Archaeological Site	5 obsidian pressure flakes.	2011	Within	Unevaluated
004626		Historic Archaeological Site	Salt-glazed stoneware ceramic jug or crock sherds and corroded metal fragments.	2011	Within	CR – Not Eligible

Primary No. (P-07-)	Trinomial No. (CA-CCO-)	Resource Type	Resource Description	Year Recorded	Distance From Project Area	NRHP/CRHR Status
004627		Historic Archaeological Site	Cobalt blue glass bottle isolate. Post 1920	2012	Within	CR – Not Eligible
004628		Historic Archaeological Site	Redwood post with attached fragments of barbed wire and a round head spike.	2012	Within	CR – Not Eligible
004629		Multi-Component Site	Charcoal lens feature with obsidian pressure flakes, fragment of corroded cast iron and fragments of a machine-made square nail.	2012	Within	Unevaluated
004688		Historic Built Environment	Contra Costa – Moraga/Pittsburg-Tesla PG&E Transmission Lines. Two lines with riveted steel lattice towers on concrete piers. Late 1920s	2011	Within	NR – Eligible under Criteria A and C
004703		Historic Built Environment	Park Middle School. One large rectangular building. 1 Spartan Way. Brutalist style. C. 1960	2014	Within	NR/CR – Not Eligible
004704		Historic Built Environment	Sutter Elementary School. 2 sets of octagonal one-story buildings. 3410 Longview Road. Mid-Century Modern style. 1964	2014	Within	NR/CR – Not Eligible
004706		Historic Built Environment	Contra Costa County Fairgrounds. One 2-story building, two 1-story buildings, 3 post-and-beam buildings, wood frame barn, concrete block restroom and three Ranch style buildings. 1201 West 10 th Street. Mid-Century Modern style. C. 1950	2014	Within	NR/CR – Not Eligible
004765		Prehistoric Archaeological Site	Two fragments of indurated sandstone bowl mortar isolate.	1984	Within	Unevaluated

Primary No. (P-07-)	Trinomial No. (CA-CCO-)	Resource Type	Resource Description	Year Recorded	Distance From Project Area	NRHP/CRHR Status
004808		Historic Built Environment	Historic aged farm complex. Residential building and corrugated metal storage building with associated agricultural implements and other debris. 2800 Empire Avenue. Ranch and Minimal styles. 1939	2016	Within	NR/CR – Not Eligible
004826		Historic Built Environment	PG&E Lattice Tower. 3 steel lattice type transmission towers on concrete block footings. 1030 Apollo Court. Modern style. Pre 1957	2016	Within	NR/CR – Not Eligible
004833		Historic Built Environment	Antioch Water Treatment Plant, Building A. Multi-component building built to treat water from the Antioch Municipal Reservoir. Industrial Mid-Century Modern style. 1947-1949	2017	Within	NR/CR – Not Eligible
004965		Historic Built Environment	Segment of historic-period Empire Mine Road. 0.3 mile long, 21 feet wide paved segment of roadway. C. 1898	2017	Within	Unevaluated
004966		Historic Built Environment	Segment of historic-period road grade. Former route of a spur of the narrow-gauge Empire Railroad. C. 1898	2017	Within	Unevaluated
004967		Historic Archaeological Site	Historic aged iron water tank. 8 foot diameter, 15 foot tall iron tank 2 tires and milled wood around base of tank.	2017	Within	Unevaluated
004976		Historic Archaeological Site	Two segments of remnant fence line. Connected timber posts with barbed wire, staples and wire nails.	2020	Within	Unevaluated

APPENDIX D. BLM SEARCH RESULTS

Table D-1. BLM Land Grants

Accession	Names	Date	Authority	Township (T); Range (R); Section (S)
CACAAA 000023 CACAAA 031808 CACAAA 034034 CACAAA 034033 CACAAA 034000 CACAAA 034000 CACAAA 034033 CACAAA 034033 CACAAA 034000	Central Pacific Railroad Co.	4/3/1872 12/24/1872 7/15/1880 11/23/1875 4/9/1870 4/9/1870 11/23/1875 11/23/1875 4/9/1870	Grant-RR O and C Grant-RR Union and Central Grant-RR Union and Central Grant-RR Union and Central Grant-RR Union and Central Grant-RR Union and Central Grant-RR Union and Central Grant-RR Union and Central Grant-RR Union and Central	T:1N, R:1E, S:1 T:1N, R:2E, S:7 T:2N, R:2E, S:17 T:2N, R:2E, S:19 T:2N, R:2E, S:21 T:2N, R:2E, S:29 T:2N, R:2E, S:29 T:2N, R:2E, S:33 T:2N, R:2E, S:31
CACAAA 000007	Western Pacific Railroad Co.	5/31/1870 5/31/1870	Grant-RR O and C	T:1N, R:1E, S:1 T:1N, R:1E, S:3 T:1N, R:1E, S:13 T:1N, R:2E, S:5 T:1N, R:2E, S:9 T:1N, R:2E, S:19
CACAAA 002198 CACAAA 031668 CACAAA 000111 CACAAA 034039 CACAAA 033998 CACAAA 000001 KL	State of California	4/2/1870 4/8/1867 3/13/1877 4/24/1896 7/22/1867 12/24/1862 7/22/1867	Indemnity Selections Grant-Certain Land to State Indemnity Selections Swamp Land Grant-Patent Swamp Land Grant-Patent California Enabling Act Swamp Land Grant-Patent	T:1N, R:1E, S:2 T:1N, R:1E, S:12 T:1N, R:2E, S:8 T:2N, R:2E, S:16 T:2N, R:2E, S:18 T:2N, R:2E, S:16 T:2N, R:2E, S:17
CACAAA 000084 CACAAA 017006 03 CACAAA 017535 02	USA	2/27/1917 2/7/1922 7/10/1895	Indemnity List Base-Valid Lie	T:2N, R:2E, S:16
CA0060__044	Flynn, Martin	5/20/1872	Sale-Cash Entry	T:1N, R:1E, S:12
CA0040__499	Griffin, Patrick	3/20/1871	Sale-Cash Entry	T:1N, R:1E, S:12
CACAAA 031668 01	Rodrigues, Juan Rodrigues, Ramon Smith, Nicholas	10/17/1868	Grant-Certain Land to State	T:1N, R:1E, S:12
AGS-0371-209 CACAAA 033967	Campion, Michael	2/10/1874 2/10/1874	Stat Grant- Agri College Scrip or Nature Scrip	T:1N, R:2E, S:4
AGS-0371-210 CACAAA 033969	Fitzpatrick, John	2/10/1874	Stat Grant- Agri College Scrip or Nature of Scrip	T:1N, R:2E, S:4
CA0050__200	Lewis, Daniel A.	10/5/1871	Sale-Cash Entry	T:1N, R:2E, S:4
AGS-0371-275 CACAAA 033974	Shannon, Thomas	7/1/1874	Stat Grant- Agri College Scrip or Nature of Scrip	T:1N, R:2E, S:4
CA0040__118	Brancher, Stephen	5/2/1870	Sale-Cash Entry	T:1N, R:2E, S:6
AGS-0297-269	Mulhare, Patrick	1/5/1872	Stat Grant- Agri College	T:1N, R:2E, S:6
CACAAA 033959	Mulhase, Patrick E.	1/5/1872	Scrip or Nature of Scrip	T:1N, R:2E, S:6
CA0040__342	Oliver, Samuel	9/10/1870	Sale-Cash Entry	T:1N, R:2E, S:6
CA0030__487	Vanamringe., Benjamin F.	5/2/1870	Sale-Cash Entry	T:1N, R:2E, S:6
CA0040__206	Birmingham, Peter	5/10/1870	Sale-Cash Entry	T:1N, R:2E, S:7
AGS-0371-346	Campbell, James	7/1/1874	Stat Grant- Agri College	T:1N, R:2E, S:8
CA0040__173	Love, Robert	5/10/1870	Sale-Cash Entry	T:1N, R:2E, S:8
CA0050__058	Rassette, John B.	6/5/1871	Sale-Cash Entry	T:1N, R:2E, S:8

Accession	Names	Date	Authority	Township (T); Range (R); Section (S)
AGS-0371-289 CACAAA 033972	Dukes, James	7/1/1874	State Grant-Agri College Scrip or Nature of Scrip	T:1N, R:2E, S:18
AGS-0371-345 CACAAA 033980	Goulding, John	7/1/1874	State Grant-Agri College Scrip or Nature of Scrip	T:1N, R:2E, S:18
AGS-0297-372 CACAAA 033957	Reed, Samuel B.	1/5/1872	State Grant-Agri College Scrip or Nature of Scrip	T:1N, R:2E, S:18
CA0030__178	Stockton, James	5/15/1869	Sale-Cash Entry	T:1N, R:2E, S:18
CACAAA 033996	Carpenter, Benjamin Lamley, Mathew	12/20/1866	Scrip or Nature of Scrip	T:2N, R:2E, S:17
MW-0466-494		12/20/1866	Scrip Warrant Act of 1855	T:2N, R:2E, S:17
CA1630__209 CACAAA 034004	Smith, William W.	4/6/1871	Sale-Cash Entry	T:2N, R:2E, S:18
CA0020__454 CACAAA 033999	Fuller, Robert R.	11/10/1868	Sale-Cash Entry	T:2N, R:2E, S:19
CA0010__432 CACAAA 033997	Newman, George H.	5/1/1867	Sale-Cash Entry	T:2N, R:2E, S:19
AGS-0359-391 CACAAA 034029	Walker, Ida	4/1/1874	State Grant-Agri College Scrip or Nature of Scrip	T:2N, R:2E, S:19
CACAAA 033996	Carpenter, Benjamin Lamley, Mathew	12/20/1866	Scrip or Nature of Scrip	T:2N, R:2E, S:20
AGS-0330-013 CACAAA 034011 AGS-0330-012	Graves, Amos M.	1/15/1872 1/15/1872 1/15/1872	State Grant-Agri College Scrip or Nature of Scrip Scrip or Nature of Scrip	T:2N, R:2E, S:20 T:2N, R:2E, S:20 T:2N, R:2E, S:20
AGS-0330-012	Graves, Martin A.	1/15/1872	State Grant-Agri College	T:2N, R:2E, S:20
CACAAA 034022	Grembath, Richard	4/1/1874	Scrip or Nature of Scrip	T:2N, R:2E, S:20
MW-0466-494	Lamley, Mathew Carpenter, Benjamin	12/20/1866	Scrip Warrant Act of 1855	T:2N, R:2E, S:20
CA1630__438 CACAAA 034010	Thon, Christopher	10/25/1871	Sale-Cash Entry	T:2N, R:2E, S:20
AGS-0359-404	Trembath, Richard	4/1/1874	State Grant-Agri College	T:2N, R:2E, S:20
CACAAA 033996	Carpenter, Benjamin Lamley, Mathew	12/20/1866	Scrip or Nature of Scrip	T:2N, R:2E, S:20
CACAAA 034022	Grembath, Richard	4/1/1874	Scrip or Nature of Scrip	T:2N, R:2E, S:20
MW-0466-494	Lamley, Mathew Carpenter, Benjamin	12/20/1866	Scrip Warrant Act of 1855	T:2N, R:2E, S:20
MW-0566-035	Barnett, Christopher Edgecomb, Jabez	5/1/1875	Scrip Warrant Act of 1855	T:2N, R:2E, S:28
AGS-0375-011	Benedict, David K.	8/15/1874	State Grant-Agri College	T:2N, R:2E, S:28
AGS-0359-397	Heidorn, Henry	4/1/1874	State Grant-Agri College	T:2N, R:2E, S:28
AGS-0330-041	Whalehen, Thomas	1/15/1872	State Grant-Agri College	T:2N, R:2E, S:28
AGS-0359-394	Davison, William	4/1/1874	State Grant-Agri College	T:2N, R:2E, S:30
AGS-0359-254	Greenough, Charles C.	5/20/1873	State Grant-Agri College	T:2N, R:2E, S:30
AGS-0359-346	Tregellas, Edwin	4/1/1874	State Grant-Agri College	T:2N, R:2E, S:30
AGS-0359-395	Wallace, Thomas	4/1/1874	State Grant-Agri College	T:2N, R:2E, S:30
AGS-0359-396	Ahern, John	4/1/1874	State Grant-Agri College	T:2N, R:2E, S:32
CA1630__227	Byrne, Patrick	6/15/1871	Sale-Cash Entry	T:2N, R:2E, S:32
CA1750__173	Christeson, John P.	3/30/1882	Homestead Entry Original	T:2N, R:2E, S:32
CA1630__301	Martin, John	7/20/1871	Sale-Cash Entry	T:2N, R:2E, S:32
MW-0563-137 CACAAA 031392	Fitzjohn, Alfred Lockwood, James	4/15/1880	Scrip Warrant Act of 1855 Scrip or Nature of Scrip	T:2N, R:1E, S:25
CACAAA 031382	Gillis, Charlotte	2/13/1878	Scrip or Nature of Scrip	T:2N, R:1E, S:25

Accession	Names	Date	Authority	Township (T); Range (R); Section (S)
MW-0566-411	Gillis, James Woodruff, James G.	2/13/1878	Scrip Warrant Act of 1855	
MW-0566-412	Hagadorn, William H. Johnson, Frederick M.	2/13/1878	Scrip Warrant Act of 1855	T:2N, R:1E, S:25
CACAAA 031383				
CA0370__133 CACAAA 031391	Hutchison, James B.	12/15/1879	Homestead Entry Original	T:2N, R:1E, S:25
CA0100__355	Bussman, Anton	9/23/1879	Sale-Cash Entry	T:2N, R:1E, S:26
CA0080__206	Gagen, John	4/1/1875	Sale-Cash Entry	T:2N, R:1E, S:26
CA0100__354	Nelson, Alexander A.	9/23/1879	Sale-Cash Entry	T:2N, R:1E, S:26
CA0370__032	Reilly, John	3/13/1879	Homestead Entry Original	T:2N, R:1E, S:26
CA0080__177	Williamson, William P.	4/1/1875	Sale-Cash Entry	T:2N, R:1E, S:26
CACAAA 031396 MW-0563-430	Charlotte, Morris Davis, Simeon Judson, Henry C.	4/9/1881	Scrip or Nature of Scrip	T:2N, R:1E, S:27
AGS-0363-335	Madison, James	11/20/1872	State Grant-Agri College	T:2N, R:1E, S:27
CACAAA 031313	Heirs of Madison, James	11/20/1872	Scrip or Nature of Scrip	T:2N, R:1E, S:27
CA0060__489	Sellers, Samuel	2/20/1874	Sale-Cash Entry	T:2N, R:1E, S:27
CA0070__302	Sellers, William G.	9/1/1874	Sale-Cash Entry	T:2N, R:1E, S:27
CA0090__177	Williams, Charles	3/1/1876	Sale-Cash Entry	T:2N, R:1E, S:27
CACAAA 031367 AGS-0371-491	Carey, Tallcut P. Patrick, Gallager	10/1/1874	Scrip or Nature of Scrip State Grant-Agri College	T:2N, R:1E, S:28
AGS-0297-494 CACAAA 031285	Magee, Edward	2/20/1872	State Grant-Agri College Scrip or Nature of Scrip	T:2N, R:1E, S:28
CA0100__353	Easton, James	9/23/1879	Sale-Cash Entry	T:2N, R:1E, S:34
CACAAA 031381	Easton, James Geer, Heman J.	11/20/1877	Scrip or Nature of Scrip	T:2N, R:1E, S:34
CA0090__179 CA0390__054 CACAAA 031397	Boothby, Moses H.	3/1/1876 1/20/1883 1/20/1883	Sale-Cash Entry Homestead Entry Original Homestead Entry Original	T:2N, R:1E, S:35
CA0370__312 CACAAA 031394	Hard, David T.	6/30/1880	Homestead Entry Original	T:2N, R:1E, S:35
CA0370__311 CACAAA 031393	Maloney, Peter	6/30/1880	Homestead Entry Original	T:2N, R:1E, S:35
AGS-0363-401 CACAAA 031327	Adams, Samuel	3/1/1873	State Grant-Agri College	T:2N, R:1E, S:36
CA0060__323	Brooks, Jonathan	12/14/1872	Sale-Cash Entry	T:2N, R:1E, S:36
AGS-0433-111 CACAAA 031390	Burress, John E.	11/10/1879	State Grant-Agri College Scrip or Nature of Scrip	T:2N, R:1E, S:36
CA0060__161	Hockabout, Benjamin	8/1/1872	Sale-Cash Entry	T:2N, R:1E, S:36
AGS-0371-060 CACAAA 031347	Surgeson, George	2/10/1874 2/10/1874	State Grant-Agri College Scrip or Nature of Scrip	T:2N, R:1E, S:36

APPENDIX E. HISTORIC RESOURCE INVENTORY

Table E-1. Historic Resources Inventory for the City of Antioch, updated in 2019

HISTORIC RESOURCES INVENTORY		
ANTIOCH AREA		
RESOURCE/ LOCATION	EVALUATION CATEGORY	SIGNIFICANCE/ IMPORTANCE
ANTIOCH LUMBER CO. 340 West Second Street Incorporated	Structure of Historical Significance/Architectural Specimen	One of the oldest mercantile firms in Antioch, founded in 1864 and thought to be the oldest lumber concern in California still in the business of selling lumber. Structure exhibits good planning and design and relates to early American architecture.
R.B. HARD BUILDING 815 First Street Moved to 809 First Street Incorporated	Structure of Historical Significance	This building was built in the mid-1860s by R.B. Hard, the first chairman and later president of the Antioch Board of Trustees in 1872.
DONLON HOME 606 West Third Street Moved to Coal Mine (Regional Park District) Incorporated	Structure of Historical Significance	This structure, built in the late 1870s was the birthplace of James D. Donlon, former Mayer of Antioch and City councilman for many years.
ANTIOCH PIONEERS LANDING SITE Foot of "F" Street at Waterfront	<u>Site</u> of Historic Event	Monument erected to denote the landing site of the pioneers that landed with Captain George W. Kimball and the birthplace of the City of Antioch on September 16, 1850.
FIRST CONGREGATIONAL CHURCH West Sixth and "F" Streets	Structure of Historical Significance	On June 12, 1865, Captain G.W. Kimball, pioneer settler, chaired a meeting for all those interested in forming a church. A constitution was adopted and the First Congregational church was founded. The original Church was dedicated May 16, 1869. The present structure, erected in 1891, is the oldest church building in Antioch.
WILLS RANCH HOUSE 319 W. Ninth St	Structure of Historical Significance	In 1868, T.N. Wills moved to Antioch and purchased 280 acres of land for farming. His home was built in 1871 and was the ancestral home of the Wills family and Helen Wills Moody, the tennis star.

EMPIRE RAILROAD SITE MONUMENT & SECTION OF TRACKS Foot of "F" Street at Riverfront. Tracks removed & stored at Antioch streets yard.	<u>Site</u> of Historic Event	Monument erected to denote the narrow gauge railroad tracks of the Empire Railroad and the coal mining industry of 1877 to 1902. Coal was transported from mines to the coal wharf at Antioch by this railroad.
CHARLES MARSH HOUSE 601 West Fourth Street Incorporated	<u>Site</u> of Historic Significance	Although no longer standing, the home of Charles Marsh, son of pioneer John Marsh, built in 1887, was located here. Charles was a Justice of the Peace and a butcher. The structure was later the home of Judge Harley, famous jurist and lawyer in Contra Costa County.
JOSLIN HOME 502 West Second Street Incorporated	Structure of Historical Significance	Noted as an early business in Antioch. The structure was the residence and harness shop of J.B. Joslin.
ODD FELLOWS HALL W. Third and "H" Streets	Structure of Historical Significance	Structure was first known as Union Hall and was also the City Bakery. Later the San Joaquin Lodge #151 of Independent Order of Odd Fellows and Antioch Lodge #175 of Free and Accepted Masons held meetings here.
ATCHISON-TOPEKA AND SANTA FE DEPOT 816 West First Street	Structure of Historical Significance/Architectural Specimen	H.F. Beede of Rouse, Forman and Beede Lumber Company obtained the right-of-way for the railroads in 1899. The San Francisco and San Joaquin Valley Railroad now known as the Atchison-Topeka and Santa Fe had its Eastern Terminal in Antioch for many years. The depot was built about 1902 and until destroyed by fire was an example of style and architecture familiar to the Atchison-Topeka and Santa Fe Railroad.
McKELLIPS HOUSE 504 West Sixth Street	Structure of Historical Significance	Built in 1886 as the home of S. McKellips, locomotive engineer in charge of the rolling stock for the Empire Railroad. He fired up the "Empire" September 22, 1877, a 15-ton Baldwin Engine, the first engine to turn a wheel in Antioch.

<p>ANTIOCH CITY HALL West Third and "H" Streets</p> <p>Incorporated</p>	<p><u>Site</u> of Historic Significance</p>	<p>Although no longer standing, this structure was built in 1919 as City Hall and Jail. Structure was a two-story cut stone building with a medium hip roof, decorated boxed cornice frieze and brackets. Structural window detail varied from molded arch top and balcony shelf at bottom at the second story to Victorian style on the first floor. Door opening was arched with decorated flat columns attached flush to wall.</p>
<p>BROWN HOUSE 219 West Sixth Street</p> <p>Incorporated</p>	<p>Structure of Historical Significance</p>	<p>Built about 1890, this structure housed the G.W. Brown family and later Henry E. Beede. Both men were quite active in civic affairs and the development of Antioch.</p>
<p>REMFREE HOUSE 512 "E" Street</p> <p>Incorporated</p>	<p><i>Architectural*</i> Specimen</p>	<p>Built about 1870, as home of Remfree, a local barber. It is a 1-½ story wood frame structure with a two-story tower at one corner having a conical shape roof. Gabled dormer extends from a medium hip roof. A bay window extends the height of the first story on the south side of the structure.</p>
<p>BEEDE HOUSE 119 Beede Way</p> <p>Incorporated</p>	<p>Structure of Historical Significance/Architectural Specimen</p>	<p>About 1895, a Mr. Sloan built a home for Mr. H.F. Beede, known as "Country Home." The structure has two stories with medium hip roof and open verandas at the first and second story. Mr. Beede, a businessman and civic leader, is credited with forming the Riverview Union High School.</p>
<p>COX HOUSE 119 West Sixth Street</p> <p>Incorporated</p>	<p><i>Architectural*</i> Specimen</p>	<p>A two story wood frame structure with high gable composition shingle roof, and combination of patterned wood shingle, board and batten and composition shingle siding. A plain horizontal band is located between floor levels to provide a wall design. Two large palm trees in front add to the overall appearance.</p>
<p>STAMM HOUSE 501 "B" Street</p> <p>Incorporated</p>	<p><i>Architectural*</i> Specimen</p>	<p>A one story wood frame structure with a medium gable roof and low center gable over the front entrance. Main floor is elevated over a basement and platform type stairs to an open porch provides entrance. The structure reflects the architectural style circa 1910.</p>

CASINO THEATER West First and "H" Streets	Structure of Historical Significance	Circa 1870s this site was the warehouse of one of the oldest mercantile firms in Antioch, now known as the Antioch Lumber Company, founded in 1864. Warehouse was later torn down for the Casino Theater circa 1910.
ANTIOCH GRAMMAR SCHOOL West Fifth and "G" Streets Incorporated	Site of Historic Event	The site of a very fine brick school building in 1880. It was replaced by a wooden building in 1890. Site is now occupied by the present Administration Offices of the Antioch School District.
MULHARE HOUSE West Second and "I" Streets	Site of Historic Event	Catholic services were first held in 1864 at this homesite. Part of the original home is enclosed within the present structure.
KIMBALL HOME West Third near "E" Street	Site Relating to Important Person in History	Site of Captain G.W. Kimball's home that he built in the Fall of 1850. One of the first settlers of Antioch, he was a Postmaster and served as a Justice of the Peace.
SMITH'S LANDING Fulton shipyard Road	Site Relating to Important Person in History	Site of W.W. Smith's home, an early settler and founder of Antioch. The first wharf built in Antioch known as Smith's Landing was located at this site.
EMPIRE BASIN AREA Empire Mine Road	Site of Historic Event	Served by the Empire Narrow Gauge Railroad to Antioch, 1878 to 1903. Sites of Judsonville, Empire Mine, Stewartville and Star Mine.
HARKINSON HOUSE West Fourth and "D" Streets	Architectural* Specimen	A one-story wood frame structure with high gable roof and gable dormer. A turret with windows and conical roof is located over a porch that is semicircular in design and extends from the front of the structure, circa 1890.
GEORGE HOUSE 223 West Sixth Street Incorporated	Site Relating to Important Person in History	Although no longer standing, this structure was built for Dr. W.S. George, physician and surgeon. He was City Health officer, member of the City Trustees, a School Trustee, member of the Antioch Board of Trade and surgeon for the Southern Pacific and Santa Fe Railroad.

BAKER HARDWARE AND PAINT STORE West Second and "G" Streets	Structure of Historical Significance	Structure housed an early general hardware business in Antioch, circa 1880. The Antioch Post Office was located in the rear of the building periodically depending on which political party was in office.
PIONEER HOSPITAL West Fifth and "H" Streets	Structure of Historical Significance	Opened in 1930 by Dr. Nevino and operated by Mrs. Brooks, a nurse from San Francisco, for a few years. Now a residence.
RIVERVIEW UNION HIGH West FOURTH Street and Somerville Road Incorporated	Structure of Historical Significance/Architectural Specimen	The Riverview Union High School District was established June 1, 1903, and the school opened in 1910 with thirty-two pupils. This District included Antioch, Black Diamond, Somerville, Carbondale, and later the Live Oak area. Structure is a two story brick building with quoin wall design, flat roof with parapet and decorated window detail.
BELSHAW HOUSE West Seventh and "E" Streets	Structure of Historical Significance	Mr. Charles M. Belshaw was an active participant in local and state activities. He was a member of the State Assembly in 1894 and a State Senator in 1900.
MARSH LANDING Pacific Gas Electric	<u>Site</u> Relating to Important Person in History	Site of John Marsh's Ranch shipping center with a blacksmith shop, warehouse, smokehouse and landing area.
WILLIAMSON RANCH Lone Tree Road	Structure of Historical Significance/Architectural Specimen	This house was built by Williamson, one of the first settlers along Lone Tree Way. It was recently included on the National Register of Historic Places.

APPENDIX F. NATIVE AMERICAN CONSULTATION

Sacred Lands File & Native American Contacts List Request

Native American Heritage Commission

1550 Harbor Blvd, Suite 100

West Sacramento, CA 95691

916-373-3710

916-373-5471 – Fax

nahc@nahc.ca.gov

Information Below is Required for a Sacred Lands File Search

Project: Antioch's Housing Element, Environmental Hazards Element, and Environmental Policies Environmental Impact Report

County: Contra Costa

USGS Quadrangle Name: Antioch North, Antioch South, Jersey Island and Brentwood 7.5'

Township: 1N **Range:** 1E **Section(s):** 1, 2, 3, 11 - 14

Township: 1N **Range:** 2E **Section(s):** 2 - 10, 15 - 20

Township: 2N **Range:** 1E **Section(s):** 10, 13, 14, 15, 22 - 28, 33 - 36

Township: 2N **Range:** 2E **Section(s):** 15 - 22, 26, 28 - 33, 35, 36

Company/Firm/Agency: Cogstone Resource Management

Street Address: 1518 W. Taft Ave.

City: Orange **Zip:** 92865

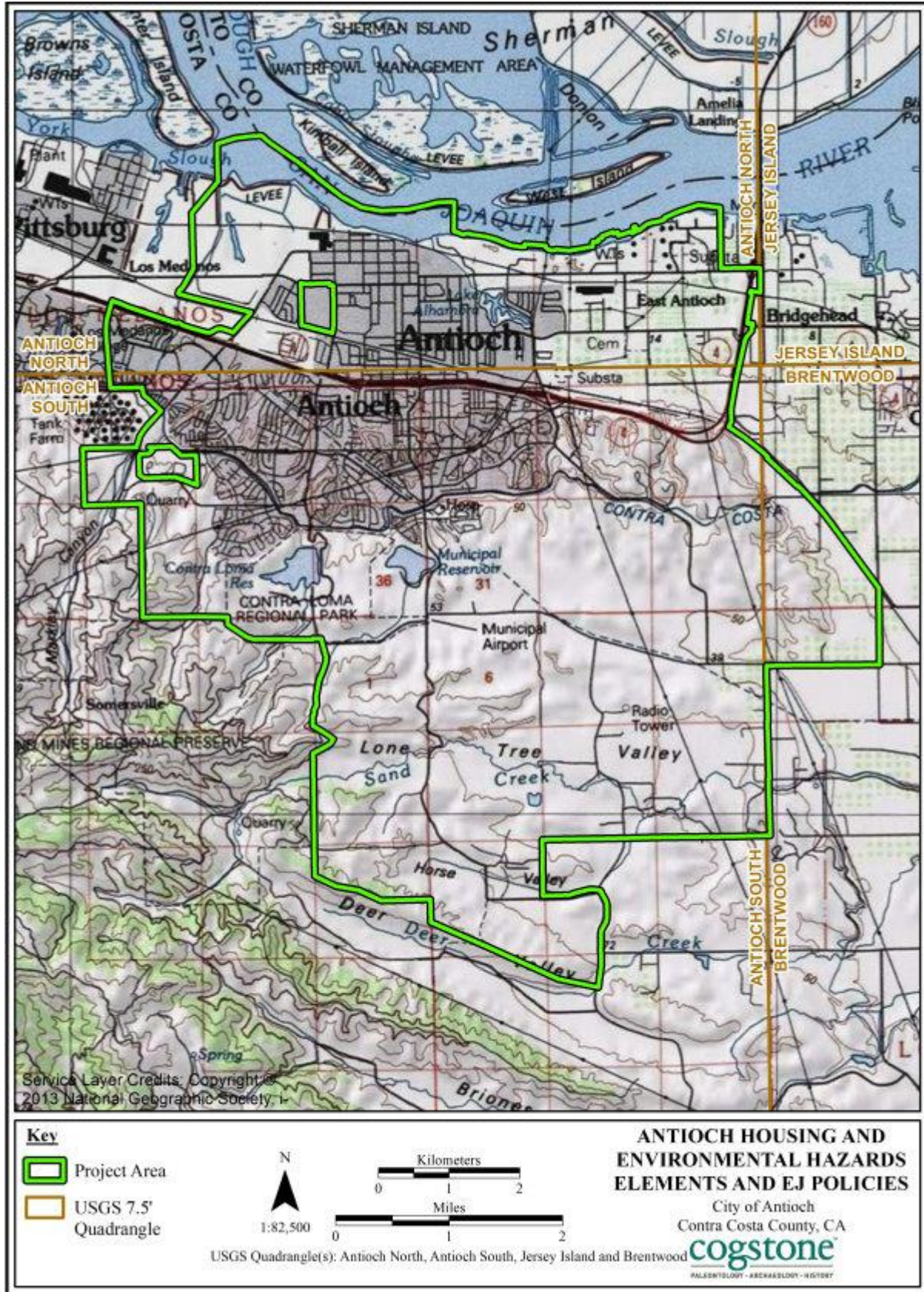
Phone: 714-974-8300

Fax: 714-974-8303

Email: cogstoneconsult@cogstone.com

Project Description:

The Project involves the preparation of an EIR for the City of Antioch's 6th Cycle Housing Element Update in compliance with the requirements of the California Environmental Quality Act (CEQA). The EIR will evaluate the potential environmental impacts of the proposed project and recommend mitigation measures for any significant impacts, as required.





November 22, 2021

Irenne Zwierlein
Chairperson
Amah Mutsun Tribal Band of Mission San Juan Bautista

Subject: City of Antioch General Plan Update, Housing Element– Notification of Tribal Consultation Opportunity Pursuant to Government Code §65352.3 and Senate Bill 18 (Chapter 905, Statutes of 2004).

Dear Ms. Zwierlein,

The purpose of this letter is to inform you that the City of Antioch is in the process of updating its Housing Element (Project). The 2023-2031 Housing Element will identify the policies and implementation measures that the City will implement to ensure that housing in Antioch is affordable, safe, and decent. In conjunction with the 2023-2031 Housing Element update, the Environmental Hazards Element (formerly known as Safety Element) are being updated and Environmental Justice policies are being established. The Environmental Hazards Element is being updated to identify strategies to reduce the negative impacts caused by natural phenomena such as fires, floods, droughts, earthquakes, and landslides. Environmental justice policies will identify objectives and policies to improve disadvantaged communities considering factors such as food access, safety, health, public facilities, and civic engagement. These policies will be integrated into the general plan.

No physical development changes are proposed as part of the Project. Instead, the Project establishes housing- and safety-related goals, policies, and programs and the Housing Element identifies suitable land for development to achieve its Regional Housing Needs Allocation (RHNA). These activities require analysis under the California Environmental Quality Act (CEQA). The City is the lead agency under CEQA.

A Notice of Preparation (NOP) for a Draft Environmental Impact Report (EIR) for the project was circulated to the California State Clearinghouse and the general public on **November 8, 2021**. The NOP circulation period ends on **December 8, 2021**. The NOP is attached to this letter and includes a map of the project location along with a description of the proposed development and the project's potential environmental impacts that will be analyzed in the EIR.

Pursuant to Government Code §65352.3, the Amah Mutsun Tribal Band of Mission San Juan Bautista have 90 days from the receipt of this letter to request consultation with the City of Antioch. The request must be made in writing. The Lead Agency contact for the project is provided below pursuant to PRC § 21080.3.1 (d).

Phone: (925) 779-7035
Fax: (925) 779-7034
Antiochca.gov

COMMUNITY DEVELOPMENT DEPARTMENT



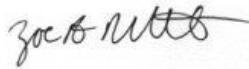
200 H Street
Antioch, CA. 94509
AntiochIsOpportunity.com

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City of Antioch Housing Element Update

Additionally, we would appreciate receiving any comments, concerns, or information you wish to share regarding cultural resources or sacred sites within the immediate project area. If you could provide your response by email, at your earliest convenience, to the email address listed below, we will make sure the relevant information is considered during preparation of the Initial Study.

Sincerely,



Zoe Merideth
Senior Planner
City of Antioch
P.O. Box 5007
Antioch, CA 94531-5007
Main: 925-779-6159/ Direct: 925-779-6122
zmerideth@antiochca.gov



November 22, 2021

Ann Marie Sayers
Chairperson
Indian Canyon Mutsun Band of Costanoan

Subject: City of Antioch General Plan Update, Housing Element– Notification of Tribal Consultation Opportunity Pursuant to Government Code §65352.3 and Senate Bill 18 (Chapter 905, Statutes of 2004).

Dear Ann Marie Sayers,

The purpose of this letter is to inform you that the City of Antioch is in the process of updating its Housing Element (Project). The 2023-2031 Housing Element will identify the policies and implementation measures that the City will implement to ensure that housing in Antioch is affordable, safe, and decent. In conjunction with the 2023-2031 Housing Element update, the Environmental Hazards Element (formerly known as Safety Element) are being updated and Environmental Justice policies are being established. The Environmental Hazards Element is being updated to identify strategies to reduce the negative impacts caused by natural phenomena such as fires, floods, droughts, earthquakes, and landslides. Environmental justice policies will identify objectives and policies to improve disadvantaged communities considering factors such as food access, safety, health, public facilities, and civic engagement. These policies will be integrated into the general plan.

No physical development changes are proposed as part of the Project. Instead, the Project establishes housing- and safety-related goals, policies, and programs and the Housing Element identifies suitable land for development to achieve its Regional Housing Needs Allocation (RHNA). These activities require analysis under the California Environmental Quality Act (CEQA). The City is the lead agency under CEQA.

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Pursuant to Government Code §65352.3, Indian Canyon Mutsun Band of Costanoan have 90 days from the receipt of this letter to request consultation with the City of Antioch. The request must be made in writing. The Lead Agency contact for the project is provided below pursuant to PRC § 21080.3.1 (d).

Phone: (925) 779-7035
Fax: (925) 779-7034
Antiochca.gov

COMMUNITY DEVELOPMENT DEPARTMENT



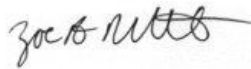
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City of Antioch Housing Element Update

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Sincerely,



Zoe Merideth
Senior Planner
City of Antioch
P.O. Box 5007
Antioch, CA 94531-5007
Main: 925-779-6159/ Direct: 925-779-6122
zmerideth@antiochca.gov



November 22, 2021

Rosemary Cambra
Chairperson
Muwekma Ohlone Indian Tribe of the SF Bay Area

Subject: City of Antioch General Plan Update, Housing Element– Notification of Tribal Consultation Opportunity Pursuant to Government Code §65352.3 and Senate Bill 18 (Chapter 905, Statutes of 2004).

Dear Rosemary Cambra,

The purpose of this letter is to inform you that the City of Antioch is in the process of updating its Housing Element (Project). The 2023-2031 Housing Element will identify the policies and implementation measures that the City will implement to ensure that housing in Antioch is affordable, safe, and decent. In conjunction with the 2023-2031 Housing Element update, the Environmental Hazards Element (formerly known as Safety Element) are being updated and Environmental Justice policies are being established. The Environmental Hazards Element is being updated to identify strategies to reduce the negative impacts caused by natural phenomena such as fires, floods, droughts, earthquakes, and landslides. Environmental justice policies will identify objectives and policies to improve disadvantaged communities considering factors such as food access, safety, health, public facilities, and civic engagement. These policies will be integrated into the general plan.

No physical development changes are proposed as part of the Project. Instead, the Project establishes housing- and safety-related goals, policies, and programs and the Housing Element identifies suitable land for development to achieve its Regional Housing Needs Allocation (RHNA). These activities require analysis under the California Environmental Quality Act (CEQA). The City is the lead agency under CEQA.

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Pursuant to Government Code §65352.3, Muwekma Ohlone Indian Tribe of the SF Bay Area have 90 days from the receipt of this letter to request consultation with the City of Antioch. The request must be made in writing. The Lead Agency contact for the project is provided below pursuant to PRC § 21080.3.1 (d).

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Fax: (925) 779-7034
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COMMUNITY DEVELOPMENT DEPARTMENT



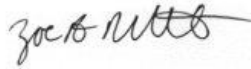
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City of Antioch Housing Element Update

Additionally, we would appreciate receiving any comments, concerns, or information you wish to share regarding cultural resources or sacred sites within the immediate project area. If you could provide your response by email, at your earliest convenience, to the email address listed below, we will make sure the relevant information is considered during preparation of the Initial Study.

Sincerely,



Zoe Merideth
Senior Planner
City of Antioch
P.O. Box 5007
Antioch, CA 94531-5007
Main: 925-779-6159/ Direct: 925-779-6122
zmerideth@antiochca.gov



November 22, 2021

Andrew Galvan
The Ohlone Indian Tribe

Subject: City of Antioch General Plan Update, Housing Element– Notification of Tribal Consultation Opportunity Pursuant to Government Code §65352.3 and Senate Bill 18 (Chapter 905, Statutes of 2004).

Dear Andrew Galvan,

The purpose of this letter is to inform you that the City of Antioch is in the process of updating its Housing Element (Project). The 2023-2031 Housing Element will identify the policies and implementation measures that the City will implement to ensure that housing in Antioch is affordable, safe, and decent. In conjunction with the 2023-2031 Housing Element update, the Environmental Hazards Element (formerly known as Safety Element) are being updated and Environmental Justice policies are being established. The Environmental Hazards Element is being updated to identify strategies to reduce the negative impacts caused by natural phenomena such as fires, floods, droughts, earthquakes, and landslides. Environmental justice policies will identify objectives and policies to improve disadvantaged communities considering factors such as food access, safety, health, public facilities, and civic engagement. These policies will be integrated into the general plan.

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Pursuant to Government Code §65352.3, The Ohlone Indian Tribe have 90 days from the receipt of this letter to request consultation with the City of Antioch. The request must be made in writing. The Lead Agency contact for the project is provided below pursuant to PRC § 21080.3.1 (d).

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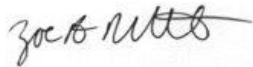
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City of Antioch Housing Element Update

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Sincerely,



Zoe Merideth
Senior Planner
City of Antioch
P.O. Box 5007
Antioch, CA 94531-5007
Main: 925-779-6159/ Direct: 925-779-6122
zmerideth@antiochca.gov



November 22, 2021

Antonio Ruiz Jr
Cultural Resources Officer
Wilton Rancheria

/

Subject: City of Antioch General Plan Update, Housing Element– Notification of Tribal Consultation Opportunity Pursuant to Government Code §65352.3 and Senate Bill 18 (Chapter 905, Statutes of 2004).

Dear Antonio Ruiz Jr,

The purpose of this letter is to inform you that the City of Antioch is in the process of updating its Housing Element (Project). The 2023-2031 Housing Element will identify the policies and implementation measures that the City will implement to ensure that housing in Antioch is affordable, safe, and decent. In conjunction with the 2023-2031 Housing Element update, the Environmental Hazards Element (formerly known as Safety Element) are being updated and Environmental Justice policies are being established. The Environmental Hazards Element is being updated to identify strategies to reduce the negative impacts caused by natural phenomena such as fires, floods, droughts, earthquakes, and landslides. Environmental justice policies will identify objectives and policies to improve disadvantaged communities considering factors such as food access, safety, health, public facilities, and civic engagement. These policies will be integrated into the general plan.

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Pursuant to Government Code §65352.3, Wilton Rancheria have 90 days from the receipt of this letter to request consultation with the City of Antioch. The request must be made in writing. The Lead Agency contact for the project is provided below pursuant to PRC § 21080.3.1 (d).

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COMMUNITY DEVELOPMENT DEPARTMENT



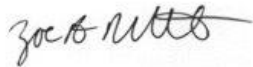
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City of Antioch Housing Element Update

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Sincerely,



Zoe Merideth
Senior Planner
City of Antioch
P.O. Box 5007
Antioch, CA 94531-5007
Main: 925-779-6159/ Direct: 925-779-6122
zmerideth@antiochca.gov



November 22, 2021

Randy Yonamura
Ione Band of Miwok Indians

Subject: City of Antioch General Plan Update, Housing Element– Notification of Tribal Consultation Opportunity Pursuant to Government Code §65352.3 and Senate Bill 18 (Chapter 905, Statutes of 2004).

Dear Randy Yonamura,

The purpose of this letter is to inform you that the City of Antioch is in the process of updating its Housing Element (Project). The 2023-2031 Housing Element will identify the policies and implementation measures that the City will implement to ensure that housing in Antioch is affordable, safe, and decent. In conjunction with the 2023-2031 Housing Element update, the Environmental Hazards Element (formerly known as Safety Element) are being updated and Environmental Justice policies are being established. The Environmental Hazards Element is being updated to identify strategies to reduce the negative impacts caused by natural phenomena such as fires, floods, droughts, earthquakes, and landslides. Environmental justice policies will identify objectives and policies to improve disadvantaged communities considering factors such as food access, safety, health, public facilities, and civic engagement. These policies will be integrated into the general plan.

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Pursuant to Government Code §65352.3, Ione Band of Miwok Indians have 90 days from the receipt of this letter to request consultation with the City of Antioch. The request must be made in writing. The Lead Agency contact for the project is provided below pursuant to PRC § 21080.3.1 (d).

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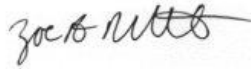
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City of Antioch Housing Element Update

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Zoe Merideth
Senior Planner
City of Antioch
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zmerideth@antiochca.gov



November 23, 2021

Katherine Erolinda Perez
Chairperson
North Valley Yokuts Tribe

Subject: Native American Consultation, Pursuant to Senate Bill 18 (SB18), Government Codes §65352.3 and §65352.4, as well as Assembly Bill 52 (AB52), Public Resources Codes §21080.1, §21080.3.1 and §21080.3.2, City of Antioch 6th Cycle Housing Element Update

Dear Ms. Erolinda Perez,

The purpose of this letter is to inform you that the City of Antioch is in the process of updating its Housing Element (Project). The 2023-2031 Housing Element will identify the policies and implementation measures that the City will implement to ensure that housing in Antioch is affordable, safe, and decent. In conjunction with the 2023-2031 Housing Element update, the Environmental Hazards Element (often referred to as Safety Element) is being updated and Environmental Justice policies are being established. The Environmental Hazards Element is being updated to identify strategies to reduce the negative impacts caused by natural phenomena such as fires, floods, droughts, earthquakes, and landslides. Environmental justice policies will identify objectives and policies to improve disadvantaged communities considering factors such as food access, safety, health, public facilities, and civic engagement. These policies will be integrated into the general plan.

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Pursuant to Government Code §65352.3, the North Valley Yokuts Tribe has 90 days from the receipt of this letter to request consultation with the City of Antioch. The request must be made

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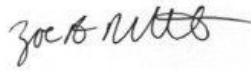
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City of Antioch Housing Element Update

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Sincerely,



Zoe Merideth
Senior Planner
City of Antioch
P.O. Box 5007
Antioch, CA 94531-5007
Main: 925-779-6159/ Direct: 925-779-6122
zmerideth@antiochca.gov



November 23, 2021

Lloyd Mathiesen
Chairperson
Chicken Ranch Rancheria of Me-Wuk Indians

Subject: Native American Consultation, Pursuant to Senate Bill 18 (SB18), Government Codes §65352.3 and §65352.4, as well as Assembly Bill 52 (AB52), Public Resources Codes §21080.1, §21080.3.1 and §21080.3.2, City of Antioch 6th Cycle Housing Element Update

Dear Mr. Mathiesen,

The purpose of this letter is to inform you that the City of Antioch is in the process of updating its Housing Element (Project). The 2023-2031 Housing Element will identify the policies and implementation measures that the City will implement to ensure that housing in Antioch is affordable, safe, and decent. In conjunction with the 2023-2031 Housing Element update, the Environmental Hazards Element (often referred to as Safety Element) is being updated and Environmental Justice policies are being established. The Environmental Hazards Element is being updated to identify strategies to reduce the negative impacts caused by natural phenomena such as fires, floods, droughts, earthquakes, and landslides. Environmental justice policies will identify objectives and policies to improve disadvantaged communities considering factors such as food access, safety, health, public facilities, and civic engagement. These policies will be integrated into the general plan.

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Pursuant to Government Code §65352.3, the Chicken Ranch Rancheria of Me-Wuk Indians has 90 days from the receipt of this letter to request consultation with the City of Antioch. The

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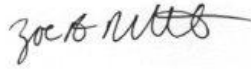
Page 2

City of Antioch Housing Element Update

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Senior Planner
City of Antioch
P.O. Box 5007
Antioch, CA 94531-5007
Main: 925-779-6159/ Direct: 925-779-6122
zmerideth@antiochca.gov



November 23, 2021

Cosme A. Valdez
Chairperson
Serrano Nation of Mission Indians

Subject: Native American Consultation, Pursuant to Senate Bill 18 (SB18), Government Codes §65352.3 and §65352.4, as well as Assembly Bill 52 (AB52), Public Resources Codes §21080.1, §21080.3.1 and §21080.3.2, City of Antioch 6th Cycle Housing Element Update

Dear Mr. Valdez,

The purpose of this letter is to inform you that the City of Antioch is in the process of updating its Housing Element (Project). The 2023-2031 Housing Element will identify the policies and implementation measures that the City will implement to ensure that housing in Antioch is affordable, safe, and decent. In conjunction with the 2023-2031 Housing Element update, the Environmental Hazards Element (often referred to as Safety Element) is being updated and Environmental Justice policies are being established. The Environmental Hazards Element is being updated to identify strategies to reduce the negative impacts caused by natural phenomena such as fires, floods, droughts, earthquakes, and landslides. Environmental justice policies will identify objectives and policies to improve disadvantaged communities considering factors such as food access, safety, health, public facilities, and civic engagement. These policies will be integrated into the general plan.

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Pursuant to Government Code §65352.3, the Serrano Nation of Mission Indians has 90 days from the receipt of this letter to request consultation with the City of Antioch. The request must

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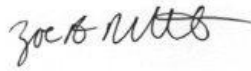
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City of Antioch Housing Element Update

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City of Antioch
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Main: 925-779-6159/ Direct: 925-779-6122
zmerideth@antiochca.gov



November 23, 2021

Donald Duncan
Chairperson
Guidiville Indian Rancheria

Subject: Native American Consultation, Pursuant to Senate Bill 18 (SB18), Government Codes §65352.3 and §65352.4, as well as Assembly Bill 52 (AB52), Public Resources Codes §21080.1, §21080.3.1 and §21080.3.2, City of Antioch 6th Cycle Housing Element Update

Dear Mr. Duncan,

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Pursuant to Government Code §65352.3, the Guidiville Indian Rancheria has 90 days from the receipt of this letter to request consultation with the City of Antioch. The request must be made

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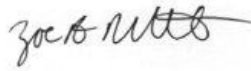
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City of Antioch Housing Element Update

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zmerideth@antiochca.gov



November 23, 2021

Corrina Gould
Chairperson
The Confederated Villages of Lisjan

Subject: Native American Consultation, Pursuant to Senate Bill 18 (SB18), Government Codes §65352.3 and §65352.4, as well as Assembly Bill 52 (AB52), Public Resources Codes §21080.1, §21080.3.1 and §21080.3.2, City of Antioch 6th Cycle Housing Element Update

Dear Ms. Gould,

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Pursuant to Government Code §65352.3, the Confederated Villages of Lisjan has 90 days from the receipt of this letter to request consultation with the City of Antioch. The request must be

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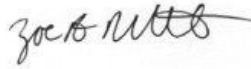
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City of Antioch Housing Element Update

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Zoe Merideth
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City of Antioch
P.O. Box 5007
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zmerideth@antiochca.gov



November 23, 2021

Neil Peyron
Chairperson
Tule River Indian Tribe

Subject: Native American Consultation, Pursuant to Senate Bill 18 (SB18), Government Codes §65352.3 and §65352.4, as well as Assembly Bill 52 (AB52), Public Resources Codes §21080.1, §21080.3.1 and §21080.3.2, City of Antioch 6th Cycle Housing Element Update

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Pursuant to Government Code §65352.3, the Tule River Indian Tribe has 90 days from the receipt of this letter to request consultation with the City of Antioch. The request must be

Phone: (925) 779-7035
Fax: (925) 779-7034
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Antioch, CA. 94509
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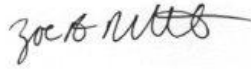
Page 2

City of Antioch Housing Element Update

made in writing. The Lead Agency contact for the project is provided below pursuant to PRC § 21080.3.1 (d).

Additionally, we would appreciate receiving any comments, concerns, or information you wish to share regarding cultural resources or sacred sites within the immediate project area. If you could provide your response by email, at your earliest convenience, to the email address listed below, we will make sure the relevant information is considered during preparation of the Initial Study.

Sincerely,



Zoe Merideth
Senior Planner
City of Antioch
P.O. Box 5007
Antioch, CA 94531-5007
Main: 925-779-6159/ Direct: 925-779-6122
zmerideth@antiochca.gov



November 23, 2021

Kenneth Woodrow
Chairperson
Wuksache Indian Tribe/Eshom Valley Band

Subject: Native American Consultation, Pursuant to Senate Bill 18 (SB18), Government Codes §65352.3 and §65352.4, as well as Assembly Bill 52 (AB52), Public Resources Codes §21080.1, §21080.3.1 and §21080.3.2, City of Antioch 6th Cycle Housing Element Update

Dear Mr. Woodrow,

The purpose of this letter is to inform you that the City of Antioch is in the process of updating its Housing Element (Project). The 2023-2031 Housing Element will identify the policies and implementation measures that the City will implement to ensure that housing in Antioch is affordable, safe, and decent. In conjunction with the 2023-2031 Housing Element update, the Environmental Hazards Element (often referred to as Safety Element) is being updated and Environmental Justice policies are being established. The Environmental Hazards Element is being updated to identify strategies to reduce the negative impacts caused by natural phenomena such as fires, floods, droughts, earthquakes, and landslides. Environmental justice policies will identify objectives and policies to improve disadvantaged communities considering factors such as food access, safety, health, public facilities, and civic engagement. These policies will be integrated into the general plan.

No physical development changes are proposed as part of the Project. Instead, the Project establishes housing- and safety-related goals, policies, and programs and the Housing Element identifies suitable land for development to achieve its Regional Housing Needs Allocation (RHNA). These activities require analysis under the California Environmental Quality Act (CEQA). The City is the lead agency under CEQA.

A Notice of Preparation (NOP) for a Draft Environmental Impact Report (EIR) for the project was circulated to the California State Clearinghouse and the general public on **November 8, 2021**. The NOP circulation period ends on **December 8, 2021**. The NOP is attached to this letter and includes a map of the project location along with a description of the proposed development and the project's potential environmental impacts that will be analyzed in the EIR.

Pursuant to Government Code §65352.3, the Wuksache Indian Tribe/Eshom Valley Band has 90 days from the receipt of this letter to request consultation with the City of Antioch. The

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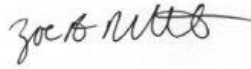
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City of Antioch Housing Element Update

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Sincerely,



Zoe Merideth
Senior Planner
City of Antioch
P.O. Box 5007
Antioch, CA 94531-5007
Main: 925-779-6159/ Direct: 925-779-6122
zmerideth@antiochca.gov

John Gust

From: Corrina Gould <cvltribe@gmail.com>
Sent: Wednesday, December 1, 2021 1:19 PM
To: Tabitha Tolsma
Cc: Meredith Rupp; Curtis Banks; zmerideth@antiochca.gov
Subject: [EXT] Re: City of Antioch General Plan Update-- Notification of Tribal Consultation

Hello,

The Tribe would like to consult on these projects for the City of Antioch. The Tribe is requesting a copy of the General Plan and the DEIR. Once that is received the Tribe can move forward with the consultation process. As the year comes to an end our calendars are booked until the beginning of the new year and we can possibly schedule a time then.

Uni (Respectfully),

Corrina Gould, Tribal Chair
Confederated Villages of Lisjan Tribe

On Tue, Nov 23, 2021 at 9:34 AM Tabitha Tolsma <ttolsma@up-partners.com> wrote:

Good morning,

I am writing on behalf of the City of Antioch to inform you of the General Plan Update process for the 2023-2031 Housing Element. The Tribal Notification letter can be found attached to this email, and additionally has been sent to you via certified mail. Please reach out to Meredith Rupp of Urban Planning Partners at mrupp@up-partners.com or Zoe Merideth of the City of Antioch at zmerideth@antiochca.gov if you have any additional questions. Thank you for your time.

Warmly,

Tabitha

Tabitha Tolsma (she/hers)

URBAN PLANNING PARTNERS, INC.

388 17th Street, Suite 230

Oakland, CA 94612

510.251.8210

ttolsma@up-partners.com

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Wilton Rancheria



9728 Kent Street, Elk Grove, CA 95624

November 30, 2021

Antioch California

RE: City of Antioch 6th Cycle Housing Element Update

To whom it may concern,

Thank you for your letter dated November 23, 2021, regarding the proposed project. Wilton Rancheria ("Tribe") is a federally recognized Tribe as listed in the Federal Register, Vol. 74, No. 132, p. 33468-33469, as "Wilton Rancheria of Wilton, California". The Tribe's Service Delivery Area ("SDA") as listed in the Federal Register, Vol. 78, No. 176, p. 55731, is Sacramento County. The Tribe's Trust Lands are in Sacramento County however, the Tribe's ancestral territory spans from Sacramento County to portions of the surrounding Counties. The Tribe is concerned about projects and undertakings that have potential to impact resources that are of cultural and environmental significance to the tribe.

After review of your letter, we have determined the project lies within the Tribe's ancestral territory. We appreciate the opportunity to comment on this and any other projects within the Tribe's ancestral territory that may be in your jurisdiction.

The Tribe at this point in time has no concerns, however if potential tribal cultural resources (TCRs), archaeological resources, other cultural resources, articulated, or disarticulated human remains are discovered during construction, the Applicant should immediately stop construction and notify the appropriate Federal, State Agencies and the Tribe. Work will cease within 100 feet of the find (based on the apparent distribution of cultural resources), whether or not a Native American Monitor from a traditionally and culturally affiliated Native American Tribe is present. A qualified cultural resources specialist and Native American Representatives and Monitors from traditionally and culturally affiliated Native American Tribes will assess the significance of the find and make recommendations for further evaluation and treatment as necessary.

Culturally appropriate treatment may be, but is not limited to, processing materials for reburial, minimizing handling of cultural objects, leaving objects in place within the landscape, returning objects to a location within the project area where they will not be subject to future impacts. The Tribe does not consider curation of these materials to be appropriate or respectful and request that materials not be permanently curated, unless requested by the Tribe. Treatment that preserves or restores the cultural character and integrity of a Tribal Cultural Resource or Historic Property may include Tribal Monitoring, culturally appropriate recovery of cultural objects, and reburial of cultural objects or cultural soil. These recommendations will be documented in the project record. For any recommendations made by traditionally and culturally affiliated Native

American Tribes that are not implemented, a justification for why the recommendation was not followed will be provided in the project record.

If adverse impacts to tribal cultural resources, unique archeology, or other cultural resources occurs, then consultation with Wilton Rancheria and other traditionally and culturally affiliated Native American Tribes regarding mitigation contained in both Federal and State laws shall occur, in order to coordinate for compensation for the impact by replacing or providing substitute resources or environments.

Please contact the Cultural Preservation Department, via email at cpd@wiltonrancheria-nsn.gov to set up a meeting.

Sincerely,

Wilton Rancheria

Ph: 916-683-6000 | Fax: 916-683-6015 | www.wiltonrancheria-nsn.gov

APPENDIX D
TRIBAL OUTREACH AND CONSULTATION

Sacred Lands File & Native American Contacts List Request

Native American Heritage Commission
1550 Harbor Blvd, Suite 100
West Sacramento, CA 95691
916-373-3710
916-373-5471 – Fax
nahc@nahc.ca.gov

Information Below is Required for a Sacred Lands File Search

Project: Antioch's Housing Element, Environmental Hazards Element, and Environmental Policies Environmental Impact Report

County: Contra Costa

USGS Quadrangle Name: Antioch North, Antioch South, Jersey Island and Brentwood 7.5'

Township: 1N **Range:** 1E **Section(s):** 1, 2, 3, 11 - 14

Township: 1N **Range:** 2E **Section(s):** 2 - 10, 15 - 20

Township: 2N **Range:** 1E **Section(s):** 10, 13, 14, 15, 22 - 28, 33 - 36

Township: 2N **Range:** 2E **Section(s):** 15 - 22, 26, 28 - 33, 35, 36

Company/Firm/Agency: Cogstone Resource Management

Street Address: 1518 W. Taft Ave.

City: Orange **Zip:** 92865

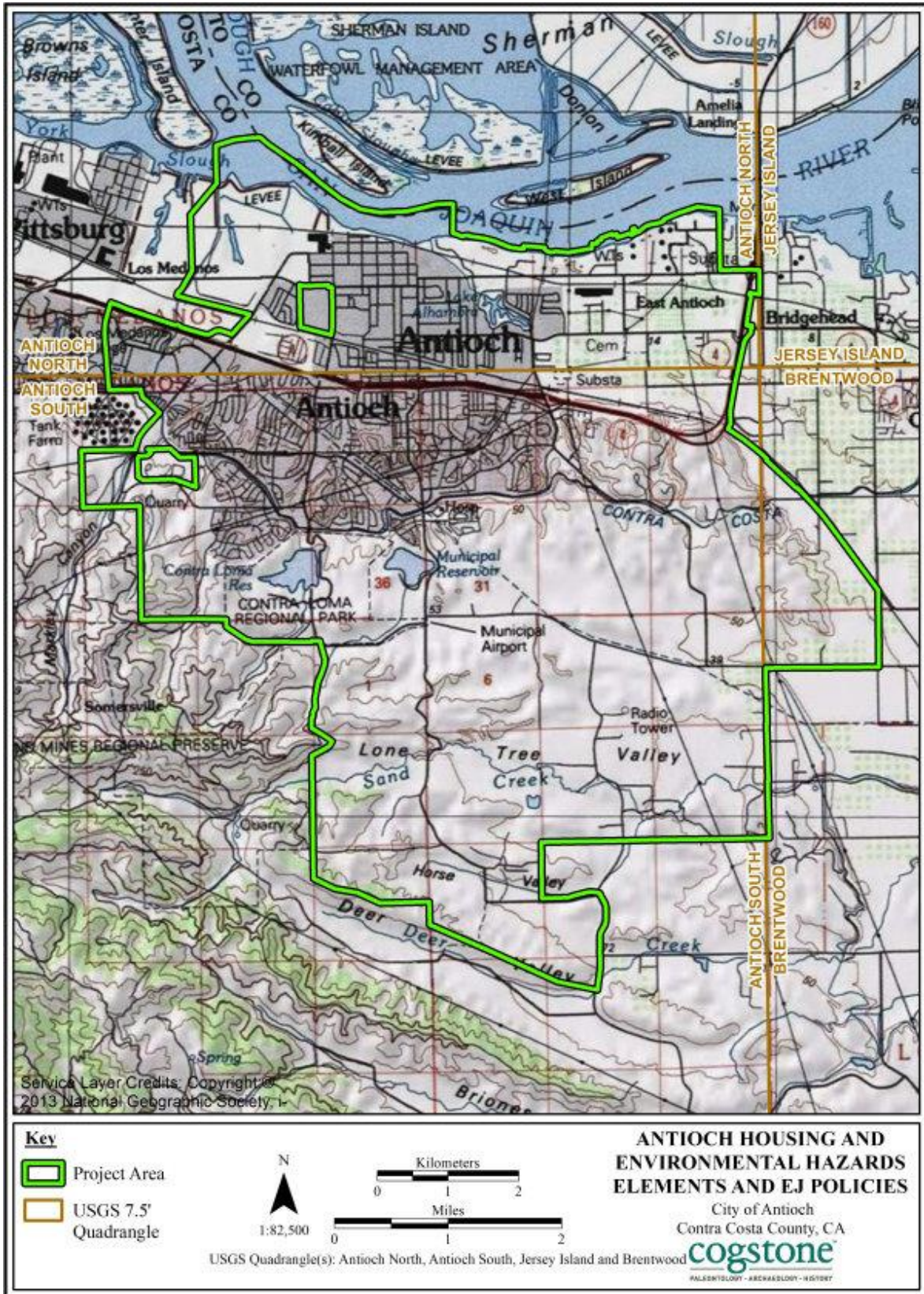
Phone: 714-974-8300

Fax: 714-974-8303

Email: cogstoneconsult@cogstone.com

Project Description:

The Project involves the preparation of an EIR for the City of Antioch's 6th Cycle Housing Element Update in compliance with the requirements of the California Environmental Quality Act (CEQA). The EIR will evaluate the potential environmental impacts of the proposed project and recommend mitigation measures for any significant impacts, as required.





November 22, 2021

Irenne Zwierlein
Chairperson
Amah Mutsun Tribal Band of Mission San Juan Bautista
789 Canada Road
Woodside, CA 94062
Email: amahmutsuntribal@gmail.com

Subject: City of Antioch General Plan Update, Housing Element– Notification of Tribal Consultation Opportunity Pursuant to Government Code §65352.3 and Senate Bill 18 (Chapter 905, Statutes of 2004).

Dear Ms. Zwierlein,

The purpose of this letter is to inform you that the City of Antioch is in the process of updating its Housing Element (Project). The 2023-2031 Housing Element will identify the policies and implementation measures that the City will implement to ensure that housing in Antioch is affordable, safe, and decent. In conjunction with the 2023-2031 Housing Element update, the Environmental Hazards Element (formerly known as Safety Element) are being updated and Environmental Justice policies are being established. The Environmental Hazards Element is being updated to identify strategies to reduce the negative impacts caused by natural phenomena such as fires, floods, droughts, earthquakes, and landslides. Environmental justice policies will identify objectives and policies to improve disadvantaged communities considering factors such as food access, safety, health, public facilities, and civic engagement. These policies will be integrated into the general plan.

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Pursuant to Government Code §65352.3, the Amah Mutsun Tribal Band of Mission San Juan Bautista have 90 days from the receipt of this letter to request consultation with the City of Antioch. The request must be made in writing. The Lead Agency contact for the project is provided below pursuant to PRC § 21080.3.1 (d).

Phone: (925) 779-7035
Fax: (925) 779-7034
Antiochca.gov

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Page 2
City of Antioch Housing Element Update

Additionally, we would appreciate receiving any comments, concerns, or information you wish to share regarding cultural resources or sacred sites within the immediate project area. If you could provide your response by email, at your earliest convenience, to the email address listed below, we will make sure the relevant information is considered during preparation of the Initial Study.

Sincerely,



Zoe Merideth
Senior Planner
City of Antioch
P.O. Box 5007
Antioch, CA 94531-5007
Main: 925-779-6159/ Direct: 925-779-6122
zmerideth@antiochca.gov



November 22, 2021

Ann Marie Sayers
Chairperson
Indian Canyon Mutsun Band of Costanoan
P. O. Box 28
Hollister, CA 95024
Email: ams@indiancanyon.org

Subject: City of Antioch General Plan Update, Housing Element– Notification of Tribal Consultation Opportunity Pursuant to Government Code §65352.3 and Senate Bill 18 (Chapter 905, Statutes of 2004).

Dear Ann Marie Sayers,

The purpose of this letter is to inform you that the City of Antioch is in the process of updating its Housing Element (Project). The 2023-2031 Housing Element will identify the policies and implementation measures that the City will implement to ensure that housing in Antioch is affordable, safe, and decent. In conjunction with the 2023-2031 Housing Element update, the Environmental Hazards Element (formerly known as Safety Element) are being updated and Environmental Justice policies are being established. The Environmental Hazards Element is being updated to identify strategies to reduce the negative impacts caused by natural phenomena such as fires, floods, droughts, earthquakes, and landslides. Environmental justice policies will identify objectives and policies to improve disadvantaged communities considering factors such as food access, safety, health, public facilities, and civic engagement. These policies will be integrated into the general plan.

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Pursuant to Government Code §65352.3, Indian Canyon Mutsun Band of Costanoan have 90 days from the receipt of this letter to request consultation with the City of Antioch. The request must be made in writing. The Lead Agency contact for the project is provided below pursuant to PRC § 21080.3.1 (d).

Phone: (925) 779-7035
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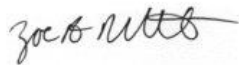


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City of Antioch Housing Element Update

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Sincerely,



Zoe Merideth
Senior Planner
City of Antioch
P.O. Box 5007
Antioch, CA 94531-5007
Main: 925-779-6159/ Direct: 925-779-6122
zmerideth@antiochca.gov



November 22, 2021

Andrew Galvan
The Ohlone Indian Tribe
P. O. Box 3152
Fremont, CA 94539
Email: chochenyo@aol.com

Subject: City of Antioch General Plan Update, Housing Element– Notification of Tribal Consultation Opportunity Pursuant to Government Code §65352.3 and Senate Bill 18 (Chapter 905, Statutes of 2004).

Dear Andrew Galvan,

The purpose of this letter is to inform you that the City of Antioch is in the process of updating its Housing Element (Project). The 2023-2031 Housing Element will identify the policies and implementation measures that the City will implement to ensure that housing in Antioch is affordable, safe, and decent. In conjunction with the 2023-2031 Housing Element update, the Environmental Hazards Element (formerly known as Safety Element) are being updated and Environmental Justice policies are being established. The Environmental Hazards Element is being updated to identify strategies to reduce the negative impacts caused by natural phenomena such as fires, floods, droughts, earthquakes, and landslides. Environmental justice policies will identify objectives and policies to improve disadvantaged communities considering factors such as food access, safety, health, public facilities, and civic engagement. These policies will be integrated into the general plan.

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Pursuant to Government Code §65352.3, The Ohlone Indian Tribe have 90 days from the receipt of this letter to request consultation with the City of Antioch. The request must be made in writing. The Lead Agency contact for the project is provided below pursuant to PRC § 21080.3.1 (d).

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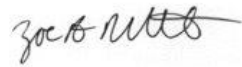
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City of Antioch Housing Element Update

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Senior Planner
City of Antioch
P.O. Box 5007
Antioch, CA 94531-5007
Main: 925-779-6159/ Direct: 925-779-6122
zmerideth@antiochca.gov



November 22, 2021

Antonio Ruiz Jr
Cultural Resources Officer
Wilton Rancheria
9728 Kent Street
Elk Grove, CA 95624
Email: tribaloffice@wiltonrancheria-nsn.gov

Subject: City of Antioch General Plan Update, Housing Element– Notification of Tribal Consultation Opportunity Pursuant to Government Code §65352.3 and Senate Bill 18 (Chapter 905, Statutes of 2004).

Dear Antonio Ruiz Jr,

The purpose of this letter is to inform you that the City of Antioch is in the process of updating its Housing Element (Project). The 2023-2031 Housing Element will identify the policies and implementation measures that the City will implement to ensure that housing in Antioch is affordable, safe, and decent. In conjunction with the 2023-2031 Housing Element update, the Environmental Hazards Element (formerly known as Safety Element) are being updated and Environmental Justice policies are being established. The Environmental Hazards Element is being updated to identify strategies to reduce the negative impacts caused by natural phenomena such as fires, floods, droughts, earthquakes, and landslides. Environmental justice policies will identify objectives and policies to improve disadvantaged communities considering factors such as food access, safety, health, public facilities, and civic engagement. These policies will be integrated into the general plan.

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Pursuant to Government Code §65352.3, Wilton Rancheria have 90 days from the receipt of this letter to request consultation with the City of Antioch. The request must be made in writing. The Lead Agency contact for the project is provided below pursuant to PRC § 21080.3.1 (d).

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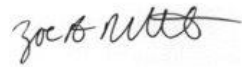
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Zoe Merideth
Senior Planner
City of Antioch
P.O. Box 5007
Antioch, CA 94531-5007
Main: 925-779-6159/ Direct: 925-779-6122
zmerideth@antiochca.gov



November 22, 2021

Randy Yonamura
Ione Band of Miwok Indians
9252 Bush Street, Suite 2
Plymouth, CA 95669
Email: info@ionemiwok.net

Subject: City of Antioch General Plan Update, Housing Element– Notification of Tribal Consultation Opportunity Pursuant to Government Code §65352.3 and Senate Bill 18 (Chapter 905, Statutes of 2004).

Dear Randy Yonamura,

The purpose of this letter is to inform you that the City of Antioch is in the process of updating its Housing Element (Project). The 2023-2031 Housing Element will identify the policies and implementation measures that the City will implement to ensure that housing in Antioch is affordable, safe, and decent. In conjunction with the 2023-2031 Housing Element update, the Environmental Hazards Element (formerly known as Safety Element) are being updated and Environmental Justice policies are being established. The Environmental Hazards Element is being updated to identify strategies to reduce the negative impacts caused by natural phenomena such as fires, floods, droughts, earthquakes, and landslides. Environmental justice policies will identify objectives and policies to improve disadvantaged communities considering factors such as food access, safety, health, public facilities, and civic engagement. These policies will be integrated into the general plan.

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Pursuant to Government Code §65352.3, Ione Band of Miwok Indians have 90 days from the receipt of this letter to request consultation with the City of Antioch. The request must be made in writing. The Lead Agency contact for the project is provided below pursuant to PRC § 21080.3.1 (d).

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Zoe Merideth
Senior Planner
City of Antioch
P.O. Box 5007
Antioch, CA 94531-5007
Main: 925-779-6159/ Direct: 925-779-6122
zmerideth@antiochca.gov



November 23, 2021

Katherine Erolinda Perez
Chairperson
North Valley Yokuts Tribe
P.O. Box 717
Linden, CA 95236
Email: canutes@verizon.net

Subject: Native American Consultation, Pursuant to Senate Bill 18 (SB18), Government Codes §65352.3 and §65352.4, as well as Assembly Bill 52 (AB52), Public Resources Codes §21080.1, §21080.3.1 and §21080.3.2, City of Antioch 6th Cycle Housing Element Update

Dear Ms. Erolinda Perez,

The purpose of this letter is to inform you that the City of Antioch is in the process of updating its Housing Element (Project). The 2023-2031 Housing Element will identify the policies and implementation measures that the City will implement to ensure that housing in Antioch is affordable, safe, and decent. In conjunction with the 2023-2031 Housing Element update, the Environmental Hazards Element (often referred to as Safety Element) is being updated and Environmental Justice policies are being established. The Environmental Hazards Element is being updated to identify strategies to reduce the negative impacts caused by natural phenomena such as fires, floods, droughts, earthquakes, and landslides. Environmental justice policies will identify objectives and policies to improve disadvantaged communities considering factors such as food access, safety, health, public facilities, and civic engagement. These policies will be integrated into the general plan.

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Pursuant to Government Code §65352.3, the North Valley Yokuts Tribe has 90 days from the receipt of this letter to request consultation with the City of Antioch. The request must be made

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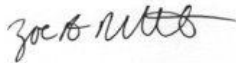
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Zoe Merideth
Senior Planner
City of Antioch
P.O. Box 5007
Antioch, CA 94531-5007
Main: 925-779-6159/ Direct: 925-779-6122
zmerideth@antiochca.gov



November 23, 2021

Lloyd Mathiesen
Chairperson
Chicken Ranch Rancheria of Me-Wuk Indians
P.O. Box 1159
Jamestown, CA 95327
Email: mathiesen@crtribal.com

Subject: Native American Consultation, Pursuant to Senate Bill 18 (SB18), Government Codes §65352.3 and §65352.4, as well as Assembly Bill 52 (AB52), Public Resources Codes §21080.1, §21080.3.1 and §21080.3.2, City of Antioch 6th Cycle Housing Element Update

Dear Mr. Mathiesen,

The purpose of this letter is to inform you that the City of Antioch is in the process of updating its Housing Element (Project). The 2023-2031 Housing Element will identify the policies and implementation measures that the City will implement to ensure that housing in Antioch is affordable, safe, and decent. In conjunction with the 2023-2031 Housing Element update, the Environmental Hazards Element (often referred to as Safety Element) is being updated and Environmental Justice policies are being established. The Environmental Hazards Element is being updated to identify strategies to reduce the negative impacts caused by natural phenomena such as fires, floods, droughts, earthquakes, and landslides. Environmental justice policies will identify objectives and policies to improve disadvantaged communities considering factors such as food access, safety, health, public facilities, and civic engagement. These policies will be integrated into the general plan.

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Pursuant to Government Code §65352.3, the Chicken Ranch Rancheria of Me-Wuk Indians has 90 days from the receipt of this letter to request consultation with the City of Antioch. The

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Fax: (925) 779-7034
Antiochca.gov

COMMUNITY DEVELOPMENT DEPARTMENT



200 H Street
Antioch, CA 94509
AntiochIsOpportunity.com



November 23, 2021

Lloyd Mathiesen
Chairperson
Chicken Ranch Rancheria of Me-Wuk Indians
P.O. Box 1159
Jamestown, CA 95327
Email: mathiesen@ctrtribal.com

Subject: Native American Consultation, Pursuant to Senate Bill 18 (SB18), Government Codes §65352.3 and §65352.4, as well as Assembly Bill 52 (AB52), Public Resources Codes §21080.1, §21080.3.1 and §21080.3.2, City of Antioch 6th Cycle Housing Element Update

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City of Antioch Housing Element Update

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Additionally, we would appreciate receiving any comments, concerns, or information you wish to share regarding cultural resources or sacred sites within the immediate project area. If you could provide your response by email, at your earliest convenience, to the email address listed below, we will make sure the relevant information is considered during preparation of the Initial Study.

Sincerely,



Zoe Merideth
Senior Planner
City of Antioch
P.O. Box 5007
Antioch, CA 94531-5007
Main: 925-779-6159/ Direct: 925-779-6122
zmerideth@antiochca.gov



November 23, 2021

Cosme A. Valdez
Chairperson
Serrano Nation of Mission Indians
P.O. Box 580986
Elk Grove, CA 95758
Email: valdezcome@comcast.net

Subject: Native American Consultation, Pursuant to Senate Bill 18 (SB18), Government Codes §65352.3 and §65352.4, as well as Assembly Bill 52 (AB52), Public Resources Codes §21080.1, §21080.3.1 and §21080.3.2, City of Antioch 6th Cycle Housing Element Update

Dear Mr. Valdez,

The purpose of this letter is to inform you that the City of Antioch is in the process of updating its Housing Element (Project). The 2023-2031 Housing Element will identify the policies and implementation measures that the City will implement to ensure that housing in Antioch is affordable, safe, and decent. In conjunction with the 2023-2031 Housing Element update, the Environmental Hazards Element (often referred to as Safety Element) is being updated and Environmental Justice policies are being established. The Environmental Hazards Element is being updated to identify strategies to reduce the negative impacts caused by natural phenomena such as fires, floods, droughts, earthquakes, and landslides. Environmental justice policies will identify objectives and policies to improve disadvantaged communities considering factors such as food access, safety, health, public facilities, and civic engagement. These policies will be integrated into the general plan.

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Pursuant to Government Code §65352.3, the Serrano Nation of Mission Indians has 90 days from the receipt of this letter to request consultation with the City of Antioch. The request must

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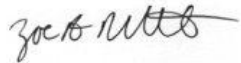
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Sincerely,



Zoe Merideth
Senior Planner
City of Antioch
P.O. Box 5007
Antioch, CA 94531-5007
Main: 925-779-6159/ Direct: 925-779-6122
zmerideth@antiochca.gov



November 23, 2021

Donald Duncan
Chairperson
Guidiville Indian Rancheria
P.O. Box 339
Talmage, CA 95481
Email: admin@guidiville.net

Subject: Native American Consultation, Pursuant to Senate Bill 18 (SB18), Government Codes §65352.3 and §65352.4, as well as Assembly Bill 52 (AB52), Public Resources Codes §21080.1, §21080.3.1 and §21080.3.2, City of Antioch 6th Cycle Housing Element Update

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Pursuant to Government Code §65352.3, the Guidiville Indian Rancheria has 90 days from the receipt of this letter to request consultation with the City of Antioch. The request must be made

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Sincerely,



Zoe Merideth
Senior Planner
City of Antioch
P.O. Box 5007
Antioch, CA 94531-5007
Main: 925-779-6159/ Direct: 925-779-6122
zmerideth@antiochca.gov



November 23, 2021

Corrina Gould
Chairperson
The Confederated Villages of Lisjan
10926 Edes Avenue
Oakland, CA 94603
Email: cvltribe@gmail.com

Subject: Native American Consultation, Pursuant to Senate Bill 18 (SB18), Government Codes §65352.3 and §65352.4, as well as Assembly Bill 52 (AB52), Public Resources Codes §21080.1, §21080.3.1 and §21080.3.2, City of Antioch 6th Cycle Housing Element Update

Dear Ms. Gould,

The purpose of this letter is to inform you that the City of Antioch is in the process of updating its Housing Element (Project). The 2023-2031 Housing Element will identify the policies and implementation measures that the City will implement to ensure that housing in Antioch is affordable, safe, and decent. In conjunction with the 2023-2031 Housing Element update, the Environmental Hazards Element (often referred to as Safety Element) is being updated and Environmental Justice policies are being established. The Environmental Hazards Element is being updated to identify strategies to reduce the negative impacts caused by natural phenomena such as fires, floods, droughts, earthquakes, and landslides. Environmental justice policies will identify objectives and policies to improve disadvantaged communities considering factors such as food access, safety, health, public facilities, and civic engagement. These policies will be integrated into the general plan.

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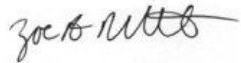
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Sincerely,



Zoe Merideth
Senior Planner
City of Antioch
P.O. Box 5007
Antioch, CA 94531-5007
Main: 925-779-6159/ Direct: 925-779-6122
zmerideth@antiochca.gov



November 23, 2021

Neil Peyron
Chairperson
Tule River Indian Tribe
P.O. Box 589
Porterville, CA 93258
Email: neil.peyron@tulerivertribe-nsn.gov

Subject: Native American Consultation, Pursuant to Senate Bill 18 (SB18), Government Codes §65352.3 and §65352.4, as well as Assembly Bill 52 (AB52), Public Resources Codes §21080.1, §21080.3.1 and §21080.3.2, City of Antioch 6th Cycle Housing Element Update

Dear Mr. Peyron,

The purpose of this letter is to inform you that the City of Antioch is in the process of updating its Housing Element (Project). The 2023-2031 Housing Element will identify the policies and implementation measures that the City will implement to ensure that housing in Antioch is affordable, safe, and decent. In conjunction with the 2023-2031 Housing Element update, the Environmental Hazards Element (often referred to as Safety Element) is being updated and Environmental Justice policies are being established. The Environmental Hazards Element is being updated to identify strategies to reduce the negative impacts caused by natural phenomena such as fires, floods, droughts, earthquakes, and landslides. Environmental justice policies will identify objectives and policies to improve disadvantaged communities considering factors such as food access, safety, health, public facilities, and civic engagement. These policies will be integrated into the general plan.

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Pursuant to Government Code §65352.3, the Tule River Indian Tribe has 90 days from the receipt of this letter to request consultation with the City of Antioch. The request must be

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Zoe Merideth
Senior Planner
City of Antioch
P.O. Box 5007
Antioch, CA 94531-5007
Main: 925-779-6159/ Direct: 925-779-6122
zmerideth@antiochca.gov



November 23, 2021

Kenneth Woodrow
Chairperson
Wuksache Indian Tribe/Eshom Valley Band
1179 Rock Haven Ct.
Salinas, CA 93906
Email: kwood8934@aol.com

Subject: Native American Consultation, Pursuant to Senate Bill 18 (SB18), Government Codes §65352.3 and §65352.4, as well as Assembly Bill 52 (AB52), Public Resources Codes §21080.1, §21080.3.1 and §21080.3.2, City of Antioch 6th Cycle Housing Element Update

Dear Mr. Woodrow,

The purpose of this letter is to inform you that the City of Antioch is in the process of updating its Housing Element (Project). The 2023-2031 Housing Element will identify the policies and implementation measures that the City will implement to ensure that housing in Antioch is affordable, safe, and decent. In conjunction with the 2023-2031 Housing Element update, the Environmental Hazards Element (often referred to as Safety Element) is being updated and Environmental Justice policies are being established. The Environmental Hazards Element is being updated to identify strategies to reduce the negative impacts caused by natural phenomena such as fires, floods, droughts, earthquakes, and landslides. Environmental justice policies will identify objectives and policies to improve disadvantaged communities considering factors such as food access, safety, health, public facilities, and civic engagement. These policies will be integrated into the general plan.

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Pursuant to Government Code §65352.3, the Wuksache Indian Tribe/Eshom Valley Band has 90 days from the receipt of this letter to request consultation with the City of Antioch. The

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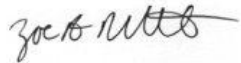
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Sincerely,



Zoe Merideth
Senior Planner
City of Antioch
P.O. Box 5007
Antioch, CA 94531-5007
Main: 925-779-6159/ Direct: 925-779-6122
zmerideth@antiochca.gov

John Gust

From: Corrina Gould <cvltribe@gmail.com>
Sent: Wednesday, December 1, 2021 1:19 PM
To: Tabitha Tolsma
Cc: Meredith Rupp; Curtis Banks; zmerideth@antiochca.gov
Subject: [EXT] Re: City of Antioch General Plan Update-- Notification of Tribal Consultation

Hello,

The Tribe would like to consult on these projects for the City of Antioch. The Tribe is requesting a copy of the General Plan and the DEIR. Once that is received the Tribe can move forward with the consultation process. As the year comes to an end our calendars are booked until the beginning of the new year and we can possibly schedule a time then.

Uni (Respectfully),

Corrina Gould, Tribal Chair
Confederated Villages of Lisjan Tribe

On Tue, Nov 23, 2021 at 9:34 AM Tabitha Tolsma <ttolsma@up-partners.com> wrote:

Good morning,

I am writing on behalf of the City of Antioch to inform you of the General Plan Update process for the 2023-2031 Housing Element. The Tribal Notification letter can be found attached to this email, and additionally has been sent to you via certified mail. Please reach out to Meredith Rupp of Urban Planning Partners at mrupp@up-partners.com or Zoe Merideth of the City of Antioch at zmerideth@antiochca.gov if you have any additional questions. Thank you for your time.

Warmly,

Tabitha

Tabitha Tolsma (she/hers)

URBAN PLANNING PARTNERS, INC.

ANTIOCH HOUSING, ENVIRONMENTAL HAZARDS, AND EJ ELEMENTS EIR
APPENDIX D: TRIBAL OUTREACH AND CONSULTATION

388 17th Street, Suite 230

Oakland, CA 94612

510.251.8210

ttolsma@up-partners.com

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Wilton Rancheria



9728 Kent Street, Elk Grove, CA 95624

November 30, 2021

Antioch California

RE: City of Antioch 6th Cycle Housing Element Update

To whom it may concern,

Thank you for your letter dated November 23, 2021, regarding the proposed project. Wilton Rancheria ("Tribe") is a federally recognized Tribe as listed in the Federal Register, Vol. 74, No. 132, p. 33468-33469, as "Wilton Rancheria of Wilton, California". The Tribe's Service Delivery Area ("SDA") as listed in the Federal Register, Vol. 78, No. 176, p. 55731, is Sacramento County. The Tribe's Trust Lands are in Sacramento County however, the Tribe's ancestral territory spans from Sacramento County to portions of the surrounding Counties. The Tribe is concerned about projects and undertakings that have potential to impact resources that are of cultural and environmental significance to the tribe.

After review of your letter, we have determined the project lies within the Tribe's ancestral territory. We appreciate the opportunity to comment on this and any other projects within the Tribe's ancestral territory that may be in your jurisdiction.

The Tribe at this point in time has no concerns, however if potential tribal cultural resources (TCRs), archaeological resources, other cultural resources, articulated, or disarticulated human remains are discovered during construction, the Applicant should immediately stop construction and notify the appropriate Federal, State Agencies and the Tribe. Work will cease within 100 feet of the find (based on the apparent distribution of cultural resources), whether or not a Native American Monitor from a traditionally and culturally affiliated Native American Tribe is present. A qualified cultural resources specialist and Native American Representatives and Monitors from traditionally and culturally affiliated Native American Tribes will assess the significance of the find and make recommendations for further evaluation and treatment as necessary.

Culturally appropriate treatment may be, but is not limited to, processing materials for reburial, minimizing handling of cultural objects, leaving objects in place within the landscape, returning objects to a location within the project area where they will not be subject to future impacts. The Tribe does not consider curation of these materials to be appropriate or respectful and request that materials not be permanently curated, unless requested by the Tribe. Treatment that preserves or restores the cultural character and integrity of a Tribal Cultural Resource or Historic Property may include Tribal Monitoring, culturally appropriate recovery of cultural objects, and reburial of cultural objects or cultural soil. These recommendations will be documented in the project record. For any recommendations made by traditionally and culturally affiliated Native

American Tribes that are not implemented, a justification for why the recommendation was not followed will be provided in the project record.

If adverse impacts to tribal cultural resources, unique archeology, or other cultural resources occurs, then consultation with Wilton Rancheria and other traditionally and culturally affiliated Native American Tribes regarding mitigation contained in both Federal and State laws shall occur, in order to coordinate for compensation for the impact by replacing or providing substitute resources or environments.

Please contact the Cultural Preservation Department, via email at cpd@wiltonrancheria-nsn.gov to set up a meeting.

Sincerely,

Wilton Rancheria

APPENDIX E
SPECIAL STATUS SPECIES

Table 4.3.A - Special-Status Plant Species Reported in the Study Area,^a City of Antioch, Contra Costa County, California

Species and Common Name	Legal Status ^b	Description	Habitat	Blooming Period	Locations
<i>Amsinkia grandiflora</i> large-flowered fiddleneck	FE/CE/1B	Annual wildflower.	Grassland, cismontane woodland.	April-May	Los Vaqueros Reservoir, Black Diamond Mines Regional Preserve, Lawrence Livermore Labs.
<i>Arctostaphylos auriculata</i> Mt. Diablo manzanita	-/-/1B	Evergreen shrub.	Canyons and slopes in sandstone chaparral.	January-March	Mt. Diablo Area. Ridge at head of Lone Tree and Deer Valleys.
<i>Aster lentus</i> Suisun marsh aster	-/1B	Rhizomatous perennial herb.	Brackish and freshwater marshes and swamps.	August-November	Found only in the Sacramento/San Joaquin River Delta; along sloughs and riverbanks.
<i>Atriplex cordulata</i> heartscale	-/1B	Annual herb.	Alkaline flats and scalds in sandy chenopod scrub and grasslands.	May-October	Deer Valley.
<i>Atriplex depressa</i> brittlescale	-/-/1B	Annual herb.	Clay or alkaline chenopod scrub, playas, grassland.	May-October	Lone Tree and Horse Valleys area. Scattered in Central Valley, especially Byron/Livermore/Altamont area, Fresno and Glenn Counties
<i>Atriplex joaquiniana</i> San Joaquin spearscale	-/-/1B	Annual herb.	Alkaline chenopod scrub, meadows, and grasslands.	April-September	Deer Valley, Horse Valley, and Briones Valley areas. Also found in southern Contra Costa and Alameda Counties and the Central Valley.
<i>Blepharizonia plumosa</i> ssp. <i>plumosa</i> big tarplant	-/-/1B	Annual herb.	Dry annual grasslands with clay or clay-loam soils. Often on slopes or burns.	July - October	The Los Medanos and Roddy Ranch areas. Hills near Livermore.
<i>Cordylanthus mollis</i> ssp. <i>mollis</i> soft bird's beak	FE/-/1B	Annual hemi-parasitic wildflower.	Coastal salt marsh.	July-September	Antioch Bridge, San Joaquin River edges, Carquinez Straits, Suisun Bay.
<i>Erysimum capitatum</i> ssp. <i>angustatum</i> Contra Costa wallflower	FE/CE/1B	Perennial wildflower.	Stabilized inland sand and clay dunes.	March-July	Found only in the Antioch Dunes.
<i>Eschscholzia rhombipetala</i> diamond-petaled California poppy	-/-/1B	Annual wildflower.	Alkaline slopes and flats in clay grasslands.	March-April	Last seen in Antioch in 1889. Only one extant population on the grounds of the Lawrence Livermore Labs.
<i>Helianthella castanea</i> Diablo rock-rose	-/-/1B	Perennial wildflower.	Rocky soils on edge of chaparral or scrub and grassland or woodland.	April-June	Roddy Ranch. Scattered throughout Contra Costa and Alameda Counties, especially Mt. Diablo area.
<i>Hesperolinon breweri</i> Brewer's western flax	-/-/1B	Annual wildflower.	Mostly serpentinite soils in chaparral, woodland, and grassland.	May-July	Contra Costa, Napa, and Solano Counties, especially Mt. Diablo area.
<i>Juglans californica</i> var. <i>hindsii</i> northern California black walnut	-/-/1B	Deciduous nut tree.	Riparian forests and woodlands.	April-May	Horse and Lone Tree Valleys. Only two extant stands in Contra Costa and Napa Counties.
<i>Lasthenia conjugans</i> Contra Costa goldfields	FE/-/1B	Annual wildflower.	Mesic grasslands, vernal pools, and cismontane woodland.	March-June	Last reported in Antioch in 1895. Only a handful of extant populations in Napa, Solano, and Contra Costa Counties.
<i>Lathyrus jepsonii</i> var. <i>jepsonii</i> delta tule pea	-/-/1B	Perennial wildflower.	Edges of freshwater and brackish marshes, sloughs, and swamps in the Delta.	May-June	Antioch Dunes, Antioch Point. Other areas in Delta.

Table 4.3.A - Special-Status Plant Species Reported in the Study Area,^a City of Antioch, Contra Costa County, California

Species and Common Name	Legal Status ^b	Description	Habitat	Blooming Period	Locations
<i>Lilaeopsis masonii</i> Mason's liaeopsis	-/-1B	Perennial herb.	Tidal zones in muddy or silty soil of brackish and freshwater marshes, swamps, and riparian scrub.	April-October	Along banks of San Joaquin River and Delta islands. New York slough ; Antioch Dunes.
<i>Limosella subulata</i> Delta mudwort	-/-2	Stoniferous perennial herb.	Riparian scrub, freshwater and brackish marshes.	May-August	Banks of the Delta, its islands and sloughs, especially Dutch and Montezuma sloughs. Also in the Antioch Dunes and at Point Reyes National Seashore.
<i>Madia radiata</i> showy madia	-/-1B	Annual wildflower.	In clay in chaparral, grassland, cismontane woodland, and chenopod scrub.	April-May	Last seen north of Lone Tree Valley in 1941. Previously also in Deer Valley. Scattered extant populations throughout Central California.
<i>Oenothera deltoides</i> ssp. <i>howellii</i> Antioch Dunes evening-primrose	FE/CE/1B	Perennial wildflower.	Inland sand dunes in Sacramento and Contra Costa Counties.	April-July	Antioch Dunes, Delta islands. One report from a sandy area within the City of Antioch.

^a Includes occurrences within one mile of the study area boundary (high probability of also occurring within study area).

^b **Legal Status:** Federal/State/CNPS: FE = Federally listed as endangered; FT = Federally listed as threatened; CE = State of California listed as endangered; CT = State of California listed as threatened. California Native Plant Society Listings: 1A = Plants presumed extinct in California; 1B = Plants rare, threatened, or endangered in California and elsewhere; 2 = Plants rare threatened or endangered in California, but more common elsewhere.

Source: Natural Diversity Database of the California Department of Fish and Game; Electronic Inventory of the California Native Plant Society.

Table 4.3.B - Special-status Animal Species Potentially Occurring in the Antioch General Plan Area, Contra Costa County

Species	Status ^a	Habitat ^b	Seasonal Occurrence ^c	Potential Occurrence Within the Plan Area
Invertebrates				
Lange's Metalmark Butterfly <i>Apodemia mormo langei</i>	FE	Inhabits stabilized dunes along the San Joaquin River. Endemic to Antioch Dunes. Primary host plant is <i>Eriogonum nudum</i> var. <i>auriculatum</i> . Feeds on nectar of other wildflowers, as well as host plant.	Adults: emerge in late summer. Larvae: fall, winter, and spring.	Antioch Dunes
Valley Elderberry Longhorn Beetle <i>Desmocerus californicus dimorphus</i>	FT	Occurs only in the Central Valley of California, in association with blue elderberry (<i>Sambucus mexicana</i>). Prefers to lay eggs in elderberries 2-8 inches in diameter; some preference shown for "stressed" elderberries (CNDDB 2000).	Year-round. Adults: spring Larvae: in stems of shrubs for up to 2 years. Exit holes observable all year.	Elderberry shrubs provide potential habitat. These shrubs typically occur along creeks as part of the riparian vegetation.
Middlekauf's Shieldback Katydid <i>Idiostatus middlekaufi</i>	**	Antioch Dunes. Species known only from this location..	Year-round.	Antioch Dunes.
Antioch Multilid Wasp <i>Myrmosula pacifica</i>	**	Antioch Dunes.	Year-round.	Antioch Dunes.

Table 4.3.B - Special-status Animal Species Potentially Occurring in the Antioch General Plan Area, Contra Costa County

Species	Status ^a	Habitat ^b	Seasonal Occurrence ^c	Potential Occurrence Within the Plan Area
Antioch Andrenid Bee <i>Perdita scituta antiochensis</i>	**	Antioch Dunes. Visits flowers of <i>Eriogonum</i> , <i>Gutierrezia californica</i> , <i>Heterotheca grandiflora</i> , <i>Lessingia glandulifera</i>	Year-round.	Antioch Dunes.
Antioch Efferian Robberfly <i>Efferia antiochi</i>	**	Known only from Antioch Dunes and Fresno.	Year-round	Antioch Dunes.
Vernal Pool Fairy Shrimp <i>Branchinecta lynchi</i>	FT	Grassy or mud-bottomed swales filled with rainwater in unplowed grasslands are the most common habitat for this species. Occasionally found in sandstone depressions as well. Range includes grassland areas in the Central Valley and the Central Coast Mountain Range.	Adults: Winter & Spring Eggs: In soil Year-round	Vernal pools and other seasonally ponded areas (i.e., stock ponds) in grasslands provide potential habitat for this species. Other seasonal wetlands in low-lying areas may also this species depending on depth, extent, and duration of inundation. Suitable habitat primarily in southern portion of plan area.
Vernal Pool Tadpole Shrimp <i>Lepidurus packardii</i>	FE	Inhabits pools with clear to highly turbid waters. May occur in pools with grass bottoms (typically clear) or in mud bottomed pools (usually with highly turbid waters) (Federal Register 1994)	Adults: Winter & Spring Eggs: In soil Year-round	Vernal pools and other seasonally ponded areas (i.e., stock ponds) in grasslands provide potential habitat for this species. Other seasonal wetlands in low-lying areas may also this species depending on depth, extent, and duration of inundation. Suitable habitat primarily in southern portion of plan area.
Fish				
Steelhead <i>Onchorhynchus mykiss</i>	FT	Sacramento and San Joaquin Rivers and their tributaries.	Seasonal	Seasonal migration corridor in San Joaquin River in northern portion of plan area.
Chinook Salmon <i>Onchorhynchus tshawytscha</i>	C/CSC fall/late fall run in Sacramento & San Joaquin River and Tributaries	Sacramento and San Joaquin Rivers and their tributaries.	Fall and Late Fall	Seasonal migration corridor in San Joaquin River in northern portion of plan area.
Delta Smelt <i>Hypomesus transpacificus</i>	FT/ST	Sacramento-San Joaquin Delta. Seasonally occur in Suisun Bay, Carquinez Straits, and San Pablo Bay.	Seasonal	Potential habitat in San Joaquin River in northern portion of plan area.
Sacramento Perch <i>Archoplites interruptus</i>	CSC	Historically found in the sloughs, slow-moving rivers, and lakes of the Central Valley. Prefer warm water. Aquatic vegetation is essential for young. Tolerate wide range of physiochemical water conditions.		Potential habitat in San Joaquin River in northern portion of plan area.

Table 4.3.B - Special-status Animal Species Potentially Occurring in the Antioch General Plan Area, Contra Costa County

Species	Status ^a	Habitat ^b	Seasonal Occurrence ^c	Potential Occurrence Within the Plan Area
Amphibians				
California Tiger Salamander <i>Ambystoma californiense</i>	C/CSC	Quiet water of ponds, reservoirs, lakes, temporary rain pools, and streams comprise breeding habitat (Stebbins 1985). Adults emerge from their subterranean burrows for only a few weeks a year during the late winter and early spring after heavy rains (Bury 1971). Suitable habitat includes open woodland and grassland (Dunn 1940, Stebbins 1985).	Adults: Year-round Larvae: Winter & Spring	Occurs primarily in southern portion of plan areas. Grasslands in these areas interspersed with vernal pools and stock ponds provide potential aestivation and breeding habitats. Documented to occur in Horse Valley and on south side of Balfour Road. Actual sightings have occurred in the southern portion of the Planning Area.
California Red-Legged Frog <i>Rana aurora draytonii</i>	FT/CSC	Inhabits marshes, slow parts of streams, lakes, reservoirs, ponds, and other permanent water. When not breeding the red-legged frog may be found in damp woods (Stebbins 1985).	Year-round	Potential habitat in creeks and ponds throughout the plan area. Documented from tributary to Sand Creek in southern portion of plan area.
Foothill Yellow-legged Frog <i>Rana boylei</i>	CSC	Occurs in partly shaded shallow streams and riffles in a variety of habitats. Need cobbles on stream bottom for egg-laying. Metamorphosis requires at least 15 weeks.	Year-round	Potential habitat occurs in creeks with cobbly bottoms in the hills of the western portion of the plan area. Actual sightings have occurred in the southern portion of the Planning Area.
Reptiles				
Silvery Legless Lizard <i>Aniella pulchra pulchra</i>	CSC	Occur in sandy or loose loamy soils under sparse vegetation. Soil moisture is essential. Prefer soils with high moisture content.	Year-round	Inland dunes in northern plan area.
Western Pond Turtle <i>Clemmys marmorata</i>	CSC	Permanent or nearly permanent water (fresh to brackish) in a wide variety of habitat types.	Year-round	Potential habitat in creeks, stock ponds, and freshwater and brackish marches throughout the plan area.

Table 4.3.B - Special-status Animal Species Potentially Occurring in the Antioch General Plan Area, Contra Costa County

Species	Status ^a	Habitat ^b	Seasonal Occurrence ^c	Potential Occurrence Within the Plan Area
Alameda Whipsnake <i>Masticophis lateralis euryxanthus</i>	FT/ST	Typically, occurs in northern coastal scrub or chaparral communities of the East Bay Hills in Alameda and Contra Costa counties. These two habitats are more favored by this snake when they occur adjacent to ungrazed grassland or oak woodland savanna where rodent populations are high. Rodents are not considered prime prey, but their burrows are favorite retreat areas for this snake. Grasslands are also considered an important habitat component because of their foraging value, and some female whipsnakes have been identified laying eggs in grassy fields. Rock outcrops are considered especially important hunting habitat for this snake. Western fence lizard is the primary prey species and prime habitats have high populations of this lizard. Inhabits south-facing slopes and ravines where shrubs form a vegetative mosaic with oak trees and grasses.	Year-round	Potential habitat occurs in the hills in the southwestern portion of the plan area.
Birds				
Double-crested Cormorant <i>Phalacrocorax auritus</i> (rookery site)	CSC	Colonial nester. Nests along coasts on sequestered islets, either on ground or in tall trees at edge of lakes.	Spring	Potential nesting habitat along northern shoreline and offshore islands in northern portion of plan area.
California Clapper Rail <i>Rallus longirostris obsoletus</i>	FE/SE	Occurs in salt and brackish marshes traversed by tidal slough in the vicinity of San Francisco Bay. Associated with abundant growths of pickleweed, but forages away from cover in the slough channels, searching for invertebrates.	Year-round	Potential habitat occurs in the marshes along the northern shoreline of the plan areas.
California Black Rail <i>Laterallus jamaicensis coturniculus</i>	ST	Occurs in tidal salt marshes dominated by pickleweed. Also occurs in low elevation freshwater and brackish marshes.	Year-round	Potential habitat occurs in the marshes along the northern shoreline of the plan areas.
California Least Tern <i>Sterna antillarum browni</i>	FE/SE	Colonial breeder on bare or sparsely vegetated flat substrates, including sand beaches, alkali flats, paved areas, or landfills.	Spring	Potential breeding habitat in northern portion of plan area along northern shoreline. Documented from the vicinity of the former PG&E plant in Pittsburg.
Sharp-Shinned Hawk <i>Accipiter striatus</i>	CSC	Favored habitats include woodland edges and riparian forests. Riparian forests and grasslands provide potential nesting and foraging habitats, respectively.	Resident and Migrant	Potential habitat occurs in forests particularly riparian areas throughout the plan area.

Table 4.3.B - Special-status Animal Species Potentially Occurring in the Antioch General Plan Area, Contra Costa County

Species	Status ^a	Habitat ^b	Seasonal Occurrence ^c	Potential Occurrence Within the Plan Area
Cooper's Hawk <i>Accipiter cooperi</i>	CSC	Favors woodland edges and riparian areas for foraging and nesting. Feed primarily on avian prey which is abundant at forest edges and in riparian areas (Zeiner et al 1990a).	Year-round Resident	Potential habitat occurs in forests particularly riparian areas throughout the plan area.
Swainson's Hawk <i>Buteo swainsoni</i>	ST	Typically found in areas where suitable nest trees, such as cottonwoods, valley oak, walnut, and willow grow adjacent to suitable foraging areas. Majority of nests in the Central Valley is found in riparian areas adjacent to foraging sites. Trees in agricultural fields may provide suitable nest sites (Zeiner et al. 1990a). Suitable foraging areas support large populations of rodents such as California vole, small and medium sized birds such as mourning dove, and insects. Native grasslands, pasture lands, and agricultural fields that lack dense cover provide suitable foraging areas.	Spring & Summer Breeder (A small population is known to winter in the Sacramento-San Joaquin Delta)	Potential nesting and foraging habitat occurs throughout the plan area, particularly in the grasslands of the southern portion of the plan area and agricultural areas with tall trees.
Ferruginous Hawk <i>Buteo regalis</i>	CSC	Open grasslands in sagebrush flats, desert scrub, low-foothills surrounding valleys, and edges of pinyon-juniper habitats (Zeiner et al 1990a)	Winter Resident	Potential winter foraging habitat in grasslands/croplands in plan area.
Northern harrier <i>Circus cyaneus</i>	CSC	Marshlands, grasslands, meadows, and desert sinks. Mostly found in flat, or hummocky open areas.	Year-round	Potential nesting and foraging habitat in grasslands, marshes, and hay fields throughout the plan area.
White-tailed Kite <i>Elanus leucurus</i>	FP	Open grasslands, meadows, or marshes for foraging in proximity to isolated, dense-topped trees for nesting and perching.	Year-round	Potential nesting and foraging habitat throughout plan area in grasslands, marshes, and agricultural areas. Trees or large shrubs needed for nesting.
Prairie Falcon <i>Falco mexicanus</i>	CSC	Perennial grasslands, savannahs, rangeland, and some agricultural fields. Forages in open terrain, nests in open terrain with canyons, cliffs, and rock outcrops.	Year-round/ and migrant	Potential foraging habitat within plan area. Potential nesting habitat in mountains to the west (off-site).
Short-eared Owl <i>Asio flammeus</i>	CSC	Found in both freshwater and saltwater marsh areas, lowland meadows, and irrigated fields. Tall grass and tules used for daytime cover. Nests on dry ground concealed by vegetation.	Year-round	Potential habitat in marshes along northern shore of plan area.

Table 4.3.B - Special-status Animal Species Potentially Occurring in the Antioch General Plan Area, Contra Costa County

Species	Status ^a	Habitat ^b	Seasonal Occurrence ^c	Potential Occurrence Within the Plan Area
Burrowing Owl <i>Athene cunicularia</i>	CSC	Open, dry, nearly or quite level grassland, prairie, and desert floor. Subterranean nester that generally uses existing mammal burrows, but will also excavate its own burrows. Burrow depths of 12-18 inches below ground apparently maintain thermal stability of the nest chamber (Olenick 1987).	Year-round	Potential breeding and foraging habitat in open grasslands and agricultural areas throughout the plan area. Actual sightings have occurred in the southern portion of the Planning Area.
Loggerhead Shrike <i>Lanius ludovicianus</i>	CSC	Open habitats with sparse shrubs and trees, other suitable perches, bare ground, and low or sparse herbaceous cover.	Year-round and winter visitor	Potential breeding and foraging habitat in plan area, typically associated with open grassland areas and oak woodlands/savannas.
Tricolored Blackbird <i>Agelaius tricolor</i>	CSC	Breeds near fresh water, preferably emergent wetland but also in thickets of willow and other shrubs. Feeds in grassland and cropland.	Year-round and migrant	Potential foraging habitat in grassland and agricultural areas throughout plan area. Potential breeding habitat in marshes associated with creeks and ponds throughout plan area.
Suisun Song Sparrow <i>Melospiza melodia maxillaris</i>	CSC	Occurs in brackish marshes dominated by cattails, tules, sedges, and pickleweed around Suisun Bay.	Year-round	Potential habitat in marshes along northern portion of plan area.
Mammals				
Salt Marsh Harvest Mouse <i>Reithrodontomys raviventris</i>	FE/SE	Occurs only in the marshes bordering San Francisco, San Pablo, and Suisun bays. Pickleweed-dominated salt marsh typically with a narrow zone of cordgrass (<i>Spartina foliosa</i>) along the bayward edge in tidal areas is the primary habitat for the salt marsh harvest mouse. Brackish marshes characterized by stands of tall emergent vegetation, dominated by bulrushes and cattails (<i>Typha</i> spp.) and interspersed with areas of short cover, primarily pickleweed (<i>Salicornia virginica</i>) and salt grass (<i>Distichlis spicata</i>) are also used. Upland habitats adjacent to marshes and other wetland communities with little or no pickleweed also provide suitable habitat for this species. Upland habitats adjacent to an occupied marsh provide refuge or temporary escape cover from prolonged winter flooding or seasonally high tides.	Year-round	Potential habitat occurs in the pickleweed marshes along the northern shore of plan area. Known from the marshes of the northwest portion of the plan area.

Table 4.3.B - Special-status Animal Species Potentially Occurring in the Antioch General Plan Area, Contra Costa County

Species	Status ^a	Habitat ^b	Seasonal Occurrence ^c	Potential Occurrence Within the Plan Area
San Joaquin Kit Fox <i>Vulpes macrotis mutica</i>	FE/ST	Annual grasslands or grassy open stages with scattered shrubby vegetation. Need loose-textured sandy soils for burrowing, and suitable prey base. (CNDDDB 2000)	Year-round	Potential foraging and denning habitat in grassland area of the plan area particularly in the southern portion of the plan area.
Townsend's Big-Eared Bat <i>Plecotus townsendii townsendii</i>	CSC	Variety of habitats. Prefers mesic sites. Roosts in caves, mines, tunnels, buildings, or other human-made structures.	Year-round	Potential foraging habitat present within the plan area. Roosting habitat could include abandoned barns and buildings throughout the plan area. Also may roost in rock outcrops in the hills of the western portion of the plan area.
Pallid Bat <i>Antrozous pallidus</i>	CSC	Variety of habitats. Most common in open, dry habitats with rocky areas for roosting. Roosts in caves, crevices, mines, hollow trees, and buildings.	Year-round	Potential foraging habitat present in the plan area, particularly in the oak woodlands of the plan area. Roosting habitat includes barns, buildings, rock outcrops, particularly in the undeveloped portions of the plan area.
American Badger <i>Taxidea taxus</i>	t	Herbaceous, shrub, and open stages of most habitats (e.g., grasslands, oak woodlands) with dry, friable soils. May reuse old burrows or dig new ones for dens.	Year-round	Potential habitat in grasslands, oak savanna, and pasture lands of the plan area.

- ^a FE Federally listed as endangered
 FT Federally list as threatened
 C Federal candidate for listing as threatened or endangered
 SE State listed as endangered
 ST State listed as threatened
 CSC State species of special concern
 FP Fully protected in California

Sensitive for one or more of the following reasons: a) taxa are biologically rare, restricted in distribution, declining throughout their range, or at a critical stage in their life cycle when in California; b) population(s) in California may be peripheral to the major portion of a taxon's range, but is threatened with extirpation in California; c) taxa are closely associated with a habitat that is declining in California (CNDDDB 1994).

Species of local interest. No official listing status, but occurrences limited to the Antioch Dunes (or only a few other sites).

^b Based on CNDDDB (2000) and Zeiner et al. (1988, 1990a, 1990b).

^c Based on Zeiner et al. (1988, 1990a, 1990b).

Source: Natural Diversity Database of the California Department of Fish and Game; Zeiner et al. (1988, 1990a, 1990b); LSA Associates, 2001.



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Query Criteria: Quad> IS < IS > (Honker Bay (3812118)> OR < Antioch North (3812117)> OR < Antioch South (3712187)> OR < Jersey Island (3812116)> OR < Clayton (3712188)> OR < Brentwood (3712186))

Name (Scientific/Common)	CNDDB Ranks	Listing Status (Fed/State)	Other Lists	Elev. Range (ft.)	Total EO's	Element Occ. Ranks						Population Status		Presence		
						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.
<i>Agelaius tricolor</i> tricolored blackbird	G1G2 S1S2	None Threatened	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_EN-Endangered NABCI_RWL-Red Watch List USFWS_BCC-Birds of Conservation Concern	10 314	955 S:3	0	0	0	0	1	2	2	1	2	1	0
<i>Alkali Meadow</i> Alkali Meadow	G3 S2.1	None None		180 180	8 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Alkali Seep</i> Alkali Seep	G3 S2.1	None None		180 180	10 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Ambystoma californiense pop. 1</i> California tiger salamander - central California DPS	G2G3T3 S3	Threatened Threatened	CDFW_WL-Watch List IUCN_VU-Vulnerable	50 1,500	1265 S:74	3	39	4	1	2	25	41	33	72	1	1
<i>Amsinckia grandiflora</i> large-flowered fiddleneck	G1 S1	Endangered Endangered	Rare Plant Rank - 1B.1 SB_UCBG-UC Botanical Garden at Berkeley	1,150 1,200	9 S:3	0	0	0	0	2	1	2	1	1	0	2
<i>Andrena blennospermatis</i> Blennosperma vernal pool andrenid bee	G2 S2	None None		900 900	15 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Anniella pulchra</i> Northern California legless lizard	G3 S3	None None	CDFW_SSC-Species of Special Concern USFS_S-Sensitive	10 450	383 S:7	1	2	2	0	1	1	2	5	6	1	0
<i>Anomobryum julaceum</i> slender silver moss	G5? S2	None None	Rare Plant Rank - 4.2		13 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Anthicus antiochensis</i> Antioch Dunes anthicid beetle	G1 S3	None None		20 20	6 S:1	0	0	0	0	1	0	1	0	0	1	0



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Name (Scientific/Common)	CNDDB Ranks	Listing Status (Fed/State)	Other Lists	Elev. Range (ft.)	Total EO's	Element Occ. Ranks						Population Status		Presence		
						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.
<i>Antrozous pallidus</i> pallid bat	G4 S3	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern USFS_S-Sensitive WBWG_H-High Priority	170 780	420 S:3	0	0	0	0	0	3	3	0	3	0	0
<i>Apodemia mormo langei</i> Lange's metalmark butterfly	G5T1 S1	Endangered None		10 10	1 S:1	0	0	0	0	0	1	0	1	1	0	0
<i>Aquila chrysaetos</i> golden eagle	G5 S3	None None	BLM_S-Sensitive CDF_S-Sensitive CDFW_FP-Fully Protected CDFW_WL-Watch List IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concern	155 155	324 S:1	1	0	0	0	0	0	0	1	1	0	0
<i>Archoplites interruptus</i> Sacramento perch	G2G3 S1	None None	AFS_TH-Threatened CDFW_SSC-Species of Special Concern	5 5	5 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Arctostaphylos auriculata</i> Mt. Diablo manzanita	G2 S2	None None	Rare Plant Rank - 1B.3	600 1,560	17 S:9	0	3	5	0	0	1	8	1	9	0	0
<i>Arctostaphylos manzanita ssp. laevigata</i> Contra Costa manzanita	G5T2 S2	None None	Rare Plant Rank - 1B.2	500 1,795	10 S:3	0	0	1	0	0	2	2	1	3	0	0
<i>Ardea herodias</i> great blue heron	G5 S4	None None	CDF_S-Sensitive IUCN_LC-Least Concern	10 10	156 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Arizona elegans occidentalis</i> California glossy snake	G5T2 S2	None None	CDFW_SSC-Species of Special Concern	12 12	260 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Asio flammeus</i> short-eared owl	G5 S3	None None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern		11 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Astragalus tener var. tener</i> alkali milk-vetch	G2T1 S1	None None	Rare Plant Rank - 1B.2	10 10	65 S:1	0	1	0	0	0	0	0	1	1	0	0



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						A	B	C	D	X	U	Historic > 20 yr	Recent <= 20 yr	Extant	Poss. Extirp.	Extirp.
<i>Athene cunicularia</i> burrowing owl	G4 S3	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concern	1 725	2011 S:71	6	22	21	6	3	13	18	53	68	2	1
<i>Atriplex depressa</i> brittlescale	G2 S2	None None	Rare Plant Rank - 1B.2	160 210	60 S:2	0	0	1	0	0	1	1	1	2	0	0
<i>Blepharizonia plumosa</i> big tarplant	G1G2 S1S2	None None	Rare Plant Rank - 1B.1 SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	200 1,650	53 S:26	3	12	2	0	1	8	13	13	25	1	0
<i>Bombus caliginosus</i> obscure bumble bee	G2G3 S1S2	None None	IUCN_VU-Vulnerable	3,150 3,150	181 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Bombus crotchii</i> Crotch bumble bee	G2 S1S2	None None		50 2,000	437 S:2	0	0	0	0	0	2	2	0	2	0	0
<i>Bombus occidentalis</i> western bumble bee	G2G3 S1	None None	USFS_S-Sensitive	25 2,000	306 S:7	0	0	0	0	0	7	7	0	7	0	0
<i>Branchinecta conservatio</i> Conservancy fairy shrimp	G2 S2	Endangered None	IUCN_EN-Endangered	10 10	53 S:1	0	0	0	0	0	1	0	1	1	0	0
<i>Branchinecta lynchi</i> vernal pool fairy shrimp	G3 S3	Threatened None	IUCN_VU-Vulnerable	1 330	795 S:10	0	2	3	1	0	4	5	5	10	0	0
<i>Branchinecta mesoallensis</i> midvalley fairy shrimp	G2 S2S3	None None		35 35	144 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Buteo regalis</i> ferruginous hawk	G4 S3S4	None None	CDFW_WL-Watch List IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concern	400 400	107 S:1	1	0	0	0	0	0	0	1	1	0	0
<i>Buteo swainsoni</i> Swainson's hawk	G5 S3	None Threatened	BLM_S-Sensitive IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concern	0 2,000	2541 S:28	3	4	10	0	1	10	3	25	27	0	1



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<i>Calochortus pulchellus</i> Mt. Diablo fairy-lantern	G2 S2	None None	Rare Plant Rank - 1B.2	450 3,000	52 S:25	1	8	3	1	0	12	9	16	25	0	0
<i>Campanula exigua</i> chaparral harebell	G2 S2	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	1,500 3,200	50 S:4	1	1	0	0	0	2	3	1	4	0	0
<i>Centromadia parryi ssp. congdonii</i> Congdon's tarplant	G3T1T2 S1S2	None None	Rare Plant Rank - 1B.1 BLM_S-Sensitive SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	0 0	98 S:1	0	1	0	0	0	0	0	1	1	0	0
<i>Chloropyron molle ssp. molle</i> soft salty bird's-beak	G2T1 S1	Endangered Rare	Rare Plant Rank - 1B.2	0 10	27 S:3	0	2	0	0	1	0	1	2	2	1	0
<i>Cicuta maculata var. bolanderi</i> Bolander's water-hemlock	G5T4T5 S2?	None None	Rare Plant Rank - 2B.1	1 1	17 S:3	0	0	0	0	0	3	3	0	3	0	0
<i>Cismontane Alkali Marsh</i> Cismontane Alkali Marsh	G1 S1.1	None None		180 180	4 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Coastal and Valley Freshwater Marsh</i> Coastal and Valley Freshwater Marsh	G3 S2.1	None None			60 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Coastal Brackish Marsh</i> Coastal Brackish Marsh	G2 S2.1	None None		5 5	30 S:7	0	0	0	0	0	7	7	0	7	0	0
<i>Coelus gracilis</i> San Joaquin dune beetle	G1 S1	None None	BLM_S-Sensitive IUCN_VU-Vulnerable	10 10	11 S:1	0	0	0	0	1	0	1	0	0	0	1
<i>Cordylanthus nidularius</i> Mt. Diablo bird's-beak	G1 S1	None Rare	Rare Plant Rank - 1B.1	1,600 2,400	2 S:2	0	1	0	0	0	1	0	2	2	0	0
<i>Corynorhinus townsendii</i> Townsend's big-eared bat	G4 S2	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern USFS_S-Sensitive WBWG_H-High Priority	700 3,790	635 S:2	0	0	0	0	0	2	2	0	2	0	0



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<i>Coturnicops noveboracensis</i> yellow rail	G4 S1S2	None None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern NABCI_RWL-Red Watch List USFS_S-Sensitive USFWS_BCC-Birds of Conservation Concern	2 2	45 S:1	0	0	0	0	0	1	0	1	1	0	0
<i>Cryptantha hooveri</i> Hoover's cryptantha	GH SH	None None	Rare Plant Rank - 1A		4 S:1	0	0	0	0	1	0	1	0	0	1	0
<i>Delphinium californicum ssp. interius</i> Hospital Canyon larkspur	G3T3 S3	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	630 3,300	28 S:6	1	2	0	0	0	3	2	4	6	0	0
<i>Dipodomys heermanni berkeleyensis</i> Berkeley kangaroo rat	G4T1 S1	None None		3,200 3,200	8 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Downingia pusilla</i> dwarf downingia	GU S2	None None	Rare Plant Rank - 2B.2	20 30	132 S:2	0	2	0	0	0	0	1	1	2	0	0
<i>Efferia antiochi</i> Antioch efferian robberfly	G1G2 S1S2	None None		20 20	4 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Elanus leucurus</i> white-tailed kite	G5 S3S4	None None	BLM_S-Sensitive CDFW_FP-Fully Protected IUCN_LC-Least Concern	20 110	184 S:5	0	3	1	1	0	0	1	4	5	0	0
<i>Emys marmorata</i> western pond turtle	G3G4 S3	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_VU-Vulnerable USFS_S-Sensitive	0 900	1404 S:20	0	12	4	1	0	3	8	12	20	0	0
<i>Eriastrum erterae</i> Lime Ridge eriastrum	G1 S1	None Candidate Endangered	Rare Plant Rank - 1B.1	700 900	2 S:2	0	0	0	0	0	2	0	2	2	0	0
<i>Eriogonum nudum var. psychicola</i> Antioch Dunes buckwheat	G5T1 S1	None None	Rare Plant Rank - 1B.1	17 17	1 S:1	0	0	0	0	0	1	1	0	1	0	0



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<i>Eriogonum truncatum</i> Mt. Diablo buckwheat	G1 S1	None None	Rare Plant Rank - 1B.1 SB_UCBG-UC Botanical Garden at Berkeley	350 1,150	7 S:5	1	0	0	0	1	3	3	2	4	1	0
<i>Eryngium jepsonii</i> Jepson's coyote-thistle	G2 S2	None None	Rare Plant Rank - 1B.2	1,000 1,000	19 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Erysimum capitatum</i> var. <i>angustatum</i> Contra Costa wallflower	G5T1 S1	Endangered Endangered	Rare Plant Rank - 1B.1 SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	10 20	4 S:4	0	0	3	0	0	1	4	0	4	0	0
<i>Eschscholzia rhombipetala</i> diamond-petaled California poppy	G1 S1	None None	Rare Plant Rank - 1B.1 SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden SB_UCBG-UC Botanical Garden at Berkeley		12 S:1	0	0	0	0	1	0	1	0	0	1	0
<i>Eucerceris ruficeps</i> redheaded sphecid wasp	G1G3 S1S2	None None		7 30	4 S:2	0	0	0	0	1	1	2	0	1	1	0
<i>Extriplex joaquinana</i> San Joaquin spearscale	G2 S2	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	5 279	127 S:10	0	2	4	2	1	1	5	5	9	0	1
<i>Fritillaria agrestis</i> stinkbells	G3 S3	None None	Rare Plant Rank - 4.2	75 160	32 S:3	1	0	0	0	0	2	3	0	3	0	0
<i>Fritillaria liliacea</i> fragrant fritillary	G2 S2	None None	Rare Plant Rank - 1B.2 SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden USFS_S-Sensitive	25 850	82 S:2	0	2	0	0	0	0	1	1	2	0	0
<i>Geothlypis trichas sinuosa</i> saltmarsh common yellowthroat	G5T3 S3	None None	CDFW_SSC-Species of Special Concern USFWS_BCC-Birds of Conservation Concern	5 7	112 S:5	0	4	0	0	0	1	1	4	5	0	0
<i>Gonidea angulata</i> western ridged mussel	G3 S1S2	None None		30 30	157 S:1	0	0	0	0	1	0	1	0	0	1	0



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<i>Grimmia torenii</i> Toren's grimmia	G2 S2	None None	Rare Plant Rank - 1B.3 BLM_S-Sensitive	3,025 3,805	13 S:2	0	0	0	0	0	2	0	2	2	0	0
<i>Helianthella castanea</i> Diablo helianthella	G2 S2	None None	Rare Plant Rank - 1B.2	580 3,500	107 S:25	4	12	4	1	0	4	8	17	25	0	0
<i>Helminthoglypta nickliniana bridgesi</i> Bridges' coast range shoulderband	G3T1 S1S2	None None	IUCN_DD-Data Deficient	1,950 1,950	6 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Hesperolinon breweri</i> Brewer's western flax	G2 S2	None None	Rare Plant Rank - 1B.2	800 2,985	29 S:11	1	4	1	1	0	4	1	10	11	0	0
<i>Hibiscus lasiocarpus var. occidentalis</i> woolly rose-mallow	G5T3 S3	None None	Rare Plant Rank - 1B.2 SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden SB_UCBG-UC Botanical Garden at Berkeley	0 2	173 S:5	0	2	2	0	0	1	3	2	5	0	0
<i>Hygrotus curvipes</i> curved-foot hygrotus diving beetle	G1 S1	None None		25 25	21 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Hypomesus transpacificus</i> Delta smelt	G1 S1	Threatened Endangered	AFS_TH-Threatened IUCN_EN-Endangered	0 0	29 S:4	0	1	0	1	0	2	0	4	4	0	0
<i>Idiostatus middlekauffi</i> Middlekauff's shieldback katydid	G1G2 S1	None None	IUCN_CR-Critically Endangered	20 20	1 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Lanius ludovicianus</i> loggerhead shrike	G4 S4	None None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern USFWS_BCC-Birds of Conservation Concern	10 10	110 S:1	0	0	1	0	0	0	0	1	1	0	0
<i>Lasiurus blossevillii</i> western red bat	G4 S3	None None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern WBWG_H-High Priority	15 20	128 S:2	0	0	0	0	0	2	2	0	2	0	0
<i>Lasiurus cinereus</i> hoary bat	G3G4 S4	None None	IUCN_LC-Least Concern WBWG_M-Medium Priority	20 20	238 S:1	0	0	0	0	0	1	1	0	1	0	0



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<i>Lasthenia conjugens</i> Contra Costa goldfields	G1 S1	Endangered None	Rare Plant Rank - 1B.1 SB_UCBG-UC Botanical Garden at Berkeley	50 50	36 S:1	0	0	0	0	1	0	1	0	0	0	1
<i>Laterallus jamaicensis coturniculus</i> California black rail	G3T1 S1	None Threatened	BLM_S-Sensitive CDFW_FP-Fully Protected IUCN_NT-Near Threatened NABCI_RWL-Red Watch List USFWS_BCC-Birds of Conservation Concern	0 7	303 S:12	2	3	0	1	0	6	3	9	12	0	0
<i>Lathyrus jepsonii</i> var. <i>jepsonii</i> Delta tule pea	G5T2 S2	None None	Rare Plant Rank - 1B.2 SB_BerrySB-Berry Seed Bank SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	0 10	133 S:33	0	4	7	3	0	19	18	15	33	0	0
<i>Lepidurus packardii</i> vernal pool tadpole shrimp	G4 S3S4	Endangered None	IUCN_EN-Endangered	0 330	329 S:2	1	0	1	0	0	0	0	2	2	0	0
<i>Lilaeopsis masonii</i> Mason's lilaeopsis	G2 S2	None Rare	Rare Plant Rank - 1B.1	-10 10	198 S:70	4	24	16	2	0	24	34	36	70	0	0
<i>Limosella australis</i> Delta mudwort	G4G5 S2	None None	Rare Plant Rank - 2B.1	0 17	59 S:23	3	10	7	1	0	2	17	6	23	0	0
<i>Linderiella occidentalis</i> California linderiella	G2G3 S2S3	None None	IUCN_NT-Near Threatened	1 260	508 S:6	0	0	0	1	0	5	3	3	6	0	0
<i>Lytta molesta</i> molestan blister beetle	G2 S2	None None		71 400	17 S:2	0	0	0	0	0	2	2	0	2	0	0
<i>Madia radiata</i> showy golden madia	G3 S3	None None	Rare Plant Rank - 1B.1 BLM_S-Sensitive SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden SB_SBBG-Santa Barbara Botanic Garden	250 250	100 S:2	0	0	0	0	0	2	2	0	2	0	0



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<i>Malacothamnus hallii</i> Hall's bush-mallow	G2 S2	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden	550 1,100	43 S:7	1	0	0	1	0	5	3	4	7	0	0
<i>Masticophis lateralis euryxanthus</i> Alameda whipsnake	G4T2 S2	Threatened Threatened		305 3,785	167 S:25	7	6	0	0	0	12	13	12	25	0	0
<i>Melospiza melodia maxillaris</i> Suisun song sparrow	G5T3 S3	None None	CDFW_SSC-Species of Special Concern USFWS_BCC-Birds of Conservation Concern	3 18	36 S:13	0	4	0	0	0	9	9	4	13	0	0
<i>Melospiza melodia pop. 1</i> song sparrow ("Modesto" population)	G5TNRQ S3?	None None	CDFW_SSC-Species of Special Concern	0 30	92 S:8	0	0	0	0	0	8	2	6	8	0	0
<i>Metapogon hurdi</i> Hurd's metapogon robberfly	G1G2 S1S2	None None		15 15	3 S:1	0	0	0	0	1	0	1	0	0	1	0
<i>Monolopia gracilens</i> woodland woollythreads	G3 S3	None None	Rare Plant Rank - 1B.2	1,500 3,000	68 S:5	0	0	0	0	0	5	3	2	5	0	0
<i>Myrmosula pacifica</i> Antioch multilid wasp	GH SH	None None		20 20	3 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Nannopterum auritum</i> double-crested cormorant	G5 S4	None None	CDFW_WL-Watch List IUCN_LC-Least Concern	-10 -10	39 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Navarretia gowenii</i> Lime Ridge navarretia	G1 S1	None None	Rare Plant Rank - 1B.1 SB_UCBG-UC Botanical Garden at Berkeley	600 1,000	3 S:2	0	0	0	0	0	2	0	2	2	0	0
<i>Navarretia nigelliformis ssp. radians</i> shining navarretia	G4T2 S2	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive	260 560	102 S:3	0	1	1	0	0	1	0	3	3	0	0
<i>Neotoma fuscipes annectens</i> San Francisco dusky-footed woodrat	G5T2T3 S2S3	None None	CDFW_SSC-Species of Special Concern	756 756	42 S:1	0	0	0	0	0	1	0	1	1	0	0



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<i>Oenothera deltoides</i> ssp. <i>howellii</i> Antioch Dunes evening-primrose	G5T1 S1	Endangered Endangered	Rare Plant Rank - 1B.1 SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden SB_UCBG-UC Botanical Garden at Berkeley	5 50	10 S:10	0	0	4	1	1	4	6	4	9	1	0
<i>Oncorhynchus mykiss irideus</i> pop. 11 steelhead - Central Valley DPS	G5T2Q S2	Threatened None	AFS_TH-Threatened		31 S:1	0	0	0	0	0	1	0	1	1	0	0
<i>Perdita scitula antiochensis</i> Antioch andrenid bee	G1T1 S1	None None		18 20	2 S:2	0	0	0	0	1	1	2	0	1	0	1
<i>Perognathus inornatus</i> San Joaquin pocket mouse	G2G3 S2S3	None None	BLM_S-Sensitive IUCN_LC-Least Concern	20 750	140 S:5	2	3	0	0	0	0	4	1	5	0	0
<i>Phacelia phacelioides</i> Mt. Diablo phacelia	G2 S2	None None	Rare Plant Rank - 1B.2 BLM_S-Sensitive	2,000 3,400	16 S:5	0	1	0	1	0	3	4	1	5	0	0
<i>Philanthus nasalis</i> Antioch specid wasp	G1 S2	None None		20 20	4 S:1	0	0	0	0	1	0	1	0	0	0	1
<i>Phrynosoma blainvillii</i> coast horned lizard	G3G4 S3S4	None None	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern	754 1,462	784 S:3	2	1	0	0	0	0	0	3	3	0	0
<i>Plagiobothrys hystriculus</i> bearded popcornflower	G2 S2	None None	Rare Plant Rank - 1B.1		15 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Potamogeton zosteriformis</i> eel-grass pondweed	G5 S3	None None	Rare Plant Rank - 2B.2		20 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Rallus obsoletus obsoletus</i> California Ridgway's rail	G3T1 S1	Endangered Endangered	CDFW_FP-Fully Protected NABCI_RWL-Red Watch List	4 4	99 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Rana boylei</i> foothill yellow-legged frog	G3 S3	None Endangered	BLM_S-Sensitive CDFW_SSC-Species of Special Concern IUCN_NT-Near Threatened USFS_S-Sensitive	530 3,790	2478 S:4	0	0	0	0	4	0	4	0	0	3	1



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<i>Rana draytonii</i> California red-legged frog	G2G3 S2S3	Threatened None	CDFW_SSC-Species of Special Concern IUCN_VU-Vulnerable	130 1,455	1671 S:35	7	18	4	0	1	5	14	21	34	1	0
<i>Reithrodontomys raviventris</i> salt-marsh harvest mouse	G1G2 S1S2	Endangered Endangered	CDFW_FP-Fully Protected IUCN_EN-Endangered	0 6	144 S:23	2	11	3	0	0	7	8	15	23	0	0
<i>Riparia riparia</i> bank swallow	G5 S2	None Threatened	BLM_S-Sensitive IUCN_LC-Least Concern	5 5	298 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Sanicula saxatilis</i> rock sanicle	G2 S2	None Rare	Rare Plant Rank - 1B.2	1,600 3,200	9 S:4	0	2	1	0	0	1	2	2	4	0	0
<i>Senecio aphanactis</i> chaparral ragwort	G3 S2	None None	Rare Plant Rank - 2B.2 SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden SB_CRES-San Diego Zoo CRES Native Gene Seed Bank	1,000 1,000	98 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Serpentine Bunchgrass</i> Serpentine Bunchgrass	G2 S2.2	None None		1,300 2,000	22 S:2	0	1	0	0	0	1	2	0	2	0	0
<i>Sidalcea keckii</i> Keck's checkerbloom	G2 S2	Endangered None	Rare Plant Rank - 1B.1 SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden		50 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Sphecodogastra antiochensis</i> Antioch Dunes halictid bee	G1 S1	None None		25 25	1 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Spirinchus thaleichthys</i> longfin smelt	G5 S1	Candidate Threatened		0 0	46 S:6	0	0	0	0	0	6	0	6	6	0	0
<i>Stabilized Interior Dunes</i> Stabilized Interior Dunes	G1 S1.1	None None		20 20	2 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Sternula antillarum browni</i> California least tern	G4T2T3Q S2	Endangered Endangered	CDFW_FP-Fully Protected NABCI_RWL-Red Watch List	0 0	75 S:3	1	0	0	0	0	2	2	1	3	0	0



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<i>Streptanthus albidus ssp. peramoenus</i> most beautiful jewelflower	G2T2 S2	None None	Rare Plant Rank - 1B.2 SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden SB_UCBG-UC Botanical Garden at Berkeley USFS_S-Sensitive	745 2,400	103 S:4	1	2	0	0	0	1	1	3	4	0	0
<i>Streptanthus hispidus</i> Mt. Diablo jewelflower	G2 S2	None None	Rare Plant Rank - 1B.3	820 3,200	8 S:8	0	4	3	1	0	0	5	3	8	0	0
<i>Stuckenia filiformis ssp. alpina</i> northern slender pondweed	G5T5 S2S3	None None	Rare Plant Rank - 2B.2	600 600	21 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Symphotrichum lentum</i> Suisun Marsh aster	G2 S2	None None	Rare Plant Rank - 1B.2 SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden SB_USDA-US Dept of Agriculture	0 10	175 S:55	3	13	12	4	0	23	28	27	55	0	0
<i>Taxidea taxus</i> American badger	G5 S3	None None	CDFW_SSC-Species of Special Concern IUCN_LC-Least Concern	179 280	594 S:3	0	0	2	0	0	1	0	3	3	0	0
<i>Thamnophis gigas</i> giant gartersnake	G2 S2	Threatened Threatened	IUCN_VU-Vulnerable	-10 25	373 S:11	3	2	3	1	0	2	3	8	11	0	0
<i>Triquetrella californica</i> coastal triquetrella	G2 S2	None None	Rare Plant Rank - 1B.2 USFS_S-Sensitive	3,849 3,849	13 S:1	0	0	0	0	0	1	1	0	1	0	0
<i>Tropidocarpum capparideum</i> caper-fruited tropidocarpum	G1 S1	None None	Rare Plant Rank - 1B.1 SB_CalBG/RSABG-California/Rancho Santa Ana Botanic Garden USFS_S-Sensitive	25 400	20 S:2	0	0	0	0	1	1	2	0	1	1	0
<i>Viburnum ellipticum</i> oval-leaved viburnum	G4G5 S3?	None None	Rare Plant Rank - 2B.3	1,500 1,500	39 S:2	0	0	0	0	0	2	2	0	2	0	0
<i>Vulpes macrotis mutica</i> San Joaquin kit fox	G4T2 S2	Endangered Threatened		110 750	1020 S:9	0	4	0	0	0	5	9	0	9	0	0