

MEMORANDUM**Basin Research Associates****Cultural Resource Assessment Memo – In Support of Vulcan Materials
Dredging Permit Application, 210 Landing Way, Petaluma, Sonoma County**

TO:	Ms. Susanne Heim Principal Panorama Environmental
RE:	Cultural Resource Assessment Memo – In Support of Vulcan Materials Dredging Permit Application, 210 Landing Way, Petaluma, Sonoma County
FROM:	Colin I. Busby, Project Principal (510 430-8441 x101)
DATE:	July 22, 2024; revised April 16, 2025

INTRODUCTION

Vulcan Materials Company (Vulcan) is a supplier and distributor of construction materials including gravel, sand and crushed stone. The company owns and operates a facility at 210 Landing Way in Petaluma with an adjacent berth on the Petaluma River where aggregate loaded vessels dock. Due to accretion, the berth needs to be dredged to allow safe approach and docking of vessels transporting aggregate products. Vulcan is proposing to dredge the berth to -8 feet Mean Lower Low Water (MLLW) + 1 foot over depth to accommodate a safer approach and docking. The depth will match the adjacent federal channel and since it has not been dredged previously is considered new work under current guidance from the Dredge Material Management Office (DMMO).

This Archaeological Review was requested to determine if significant cultural resources under both the National Environmental Policy Act (NEPA) (42 U.S.C. §§ 4321-4347) and the California Environmental Quality Act (CEQA) might be affected by the proposed project. The project must comply with Section 404 of the Clean Water Act of 1972 as amended (33 U.S.C. § 1344 et seq.), Section 10 of the Rivers and Harbors Act of 1899 as amended (33 U.S.C. § 403 et seq.) and the regulatory requirements of the United States Army Corps of Engineers (USACE) with regard to cultural resources (historic properties) to obtain a permit.

The California State Lands Commission (Commission) is the lead state agency for CEQA. The Commission is required to determine the potential impacts of the dredging on both historical and archaeological cultural resources and tribal cultural resources.

PROJECT LOCATION AND DESCRIPTION [see Figs. 1-3]

Vulcan's Landing Way pier is on the western shoreline of the Petaluma River at 210 Landing Way, Petaluma, Sonoma County approximately 12 river miles upstream of the river confluence with San Pablo Bay (USGS Petaluma River, Calif. 1980, T 4N R 7W, unsectioned).

The facility has a berth where aggregate loaded vessels dock to unload construction materials for further processing and land transport. The adjacent federal channel is maintained at -8 feet

MLLW. Due to accretion within the berth area and immediate vicinity, vessel calls at the facility are being restricted to working the tides. However, accretion is at a point where working the tides is no longer effective. This constraint decreases efficiency, and decreases safe operations approaching, accessing, loading/unloading, and docking at the berth. Vulcan is proposing to dredge the berth to -8 feet MLLW + 1 foot over depth to accommodate a safer approach and docking .

The proposed dredging of approximately 0.50 acres is to ensure safe operations and docking/offloading of the barges. The project is designed to keep the facilities functioning and does not change the existing use of the facilities.

CONSTRUCTION OPERATIONS

Dredging activities will use a mechanical clamshell dredge with tugboats and scows. The mechanical clamshell dredge consists of a barge with a large crane mounted on the deck. The crane has a boom that is long enough to extend out beyond the end of the work barge in any direction and is able to swivel 360 degrees on its mount. A large clamshell bucket is attached to a series of cables at the end of the boom, which allows the bucket to be raised and lowered into the water. The cables also open and close the bucket as it is filled with sediment and then emptied into scows for disposal at an approved location.

AREA OF POTENTIAL EFFECTS (APE) [Fig. 3]

The Area of Potential Effects (APE) for Archaeology includes the area within which an undertaking may directly or indirectly cause changes in the character or use of historic properties, should any be present within the APE. The horizontal APE consists of the proposed 0.5 acre berth (dredging) area. It is anticipated that small areas of the existing facility adjacent to the berth will be used for landside staging including parking and any staging but are not included in the APE since these activities are part of ongoing operations .

The vertical APE for underwater dredging ranges in the dredge area to -8 feet MLLW + 1 foot over depth to provide adequate depth and safe navigation and approach for vessels to utilize the berth. The total volume proposed for dredging is estimated at 2,289 cubic yards.

The APE is commensurate with the footprint of the proposed undertaking.

RESEARCH PROTOCOLS

A prehistoric and historic site record and literature search was completed for a 0.25mile radius of the project by the California Historical Resources Information System, Northwest Information Center, Sonoma State University, Rohnert Park (CHRIS/NWIC File No. 23-1753 dated 6/28/2024 by Neal). Specialized listings for cultural resources consulted include:

National Register of Historic Places (NRHP) listings in Sonoma County (USNPS 2024a-c);

California History Plan (CAL/OHP 1973);

California Inventory of Historic Resources (CAL/OHP 1976);

Five Views: An Ethnic Sites Survey for California (CAL/OHP 1988);

OHP [Office of Historic Preservation] Built Environment Resources Directory (BERD) for Sonoma County (CAL/OHP 2024a);

[Listed] California Historical Resources for Sonoma County (CAL/OHP 2024b);

Archaeological Determinations of Eligibility for Sonoma County [ADOE] (CAL/OHP 2024c); and,

Other relevant sources (see text and references)

No other agencies, departments or local historical societies were contacted regarding landmarks, potential historic sites or structures due to the nature of the project.

A field inventory of the APE was not completed.

FINDINGS

This Memorandum was completed to identify cultural resources with the APE that might be affected by the proposed project.

- The CHRIS/NWIC records search lists 3 studies (excluding OHP correspondence) in or adjacent to the APE with 28 additional studies (excluding OHP correspondence) within 0.25 mile of the APE (Table 1). All have negative findings for the APE.

TABLE 1
STUDIES IN/ADJACENT TO OR WITHIN 0.25 MILE OF THE APE

Report #	Author	Date	Title	Study Type	Comments	Resources In/Adjacent
In or Adjacent						
S-002639	David Chavez	1981	Proposed Bulkhead and Shipway Project (Sonoma County File No. UP 10006) (letter report)	Archaeological, Field study	Negative – adjacent to west edge of current APE	None
S-027910	Richard E. Thompson	2003	Phase I Cultural Resources Study For the Shamrock Materials, Inc. Landing Way Aggregate Distribution Facility, Petaluma, California 94953	Archaeological, Field study	Negative – includes portion of west edge of APE	None
S-052308	Chris Kimsey, Cassidy DeBaker, Joshua McWaters, and Erica Shultz	2017	Cultural Resources Inventory and Evaluation Report for the Dutra Haystack Landing Asphalt and Recycling Facility Project, Sonoma County, California	Archaeological, Excavation, Field study	P-49-001368/ CA-SON-1465H within 0.25 mile search area	None
S-052308a	Julianne Polanco and Rick M. Bottoms	2017	COE_2017_0413_001, Section 106 Consultation for the Dutra Haystack Landing Asphalt Plant at 3355 Petaluma Boulevard South in Petaluma, Sonoma County, California (2003-281040)	OHP Correspondence	P-49-001368/ CA-SON-1465H within 0.25 mile search area	None

TABLE 1, con't
STUDIES IN/ADJACENT TO OR WITHIN 0.25 MILE OF THE APE

Report #	Author	Date	Title	Study Type	Comments	Resources In/Adjacent
Within 0.25 Mile						
S-000077	Robert I. Orlins	1974	An Archaeological and Ethno-historical Study related to the Petaluma River Maintenance Dredging Project	Archaeological, Field study, Other research	Negative	None
S-000266	Thomas M. Origer	1976	An Archaeological Investigation of the Proposed Petaluma Marina, Petaluma, California	Archaeological, Field study	Negative	None
S-001599	Edward Kandler, Mark Rudo, and Nadine Mandel	1979	Cultural Resource Reconnaissance of the Proposed Petaluma Small Craft Harbor, Petaluma, Sonoma County, California.	Archaeological, Field study	Negative	None
S-002149	Stephen A. Brandt	1979	Cultural Resources Investigations of Operating Projects, Petaluma River.	Archaeological, Field study	Negative	None
S-002280	Diane C. Watts	1979	Archaeological Survey Report, 04-Son-101, P.M. 2.9/19.6, Proposed Landscaping Improvements along Route 101, Sonoma County, 04223-38035	Archaeological, Field study	Negative	None
S-007244	John F. Hayes and Susan H. Alvarez	1985	An Archaeological Investigation of Anthony B. Kinnear's 5-acre Parcel at 3355 Petaluma Boulevard South, Petaluma, Sonoma County, California.	Archaeological, Field study	P-49-001368/ CA-SON-1465H within 0.25 mile search area	None
S-008726	William Roop	1986	Archaeological survey of 2543 Petaluma Blvd. South, Sonoma County, CA. (letter report)	Archaeological, Field study	Negative	None
S-009675	William Roop	1987	Archaeological Evaluation of Your Project 87220, 150 Landing Way, Petaluma, Ca. 94953 (letter report)	Archaeological, Field study	Negative	None
S-009927	Caltrans, District 4	1988	Historic Properties Survey Report for Median Barrier Construction in Marin and Sonoma Counties: 04-Mrn-101 23.17/27.62, 04-Son-101 0.00/2.01 04232-115790	Architectural/historical, Field study	Three resources outside 0.25 mile search area	None
S-009927a	John Holson	1988	Archaeological Survey Report for Median Barrier Construction in Marin and Sonoma Counties, 04-Mrn-101 23.17/27.62, 04-Son-101 0.00/2.01 04232-115790	Archaeological, Field study	Three resources outside 0.25 mile search area	None
S-012721	Katherine Flynn and William Roop	1990	Cultural Resources Evaluation of the Proposed Zone IV Water Delivery System, City of Petaluma, Sonoma County, California (ARS 90-18)	Archaeological, Field study	Two resources outside 0.25 mile search area	None
S-013217	Thomas M. Origer	1990	An Archaeological Survey for the AT&T Fiber Optics Cable, San Francisco to Point Arena, California	Archaeological, Field study	P-49-002834/ CA-SON-2322H within 0.25 mile search area; seven resources outside the search area	None
S-013217a-d	Thomas M. Origer	1990-1992	Various – four additional reports along AT&T project alignment are outside of the vicinity of the current project	Archaeological, Field study		None
S-017803	Katherine M. Dowdall	1996	Negative Archaeological Survey Report, proposed guardrail replacement at six locations, 04-SON-101 P.M. 2.82/12.79 04-218500	Archaeological, Field study	Negative	None
S-029146	Vicki R. Beard	2003	A Cultural Resources Survey for the Proposed Royal Petroleum Commercial Fueling Facility, 2141 and 2645 Petaluma Boulevard South, Sonoma County, California	Archaeological, Architectural/historical, Field study	Negative	None
S-031737	Carole Denardo and Daniel Hart	2004	Archaeological Resources Technical Report for the Sonoma Marin Rail Transit (SMART) Project, Sonoma and Marin Counties, California	Archaeological, Field study	P-49-002834/ CA-SON-2322H within 0.25 mile search area; Numerous resources outside the search area	None

TABLE 1, con't
STUDIES IN/ADJACENT TO OR WITHIN 0.25 MILE OF THE APE

Report #	Author	Date	Title	Study Type	Comments	Resources In/Adjacent
Within 0.25 Mile. con't						
S-031737a	Garcia and Associates	2004	Historic Architectural Resources Technical Report for the Sonoma Marin Area Rail Transit (SMART) Project	Architectural/historical, Evaluation, Field study	P-49-002834/ CA-SON-2322H within 0.25 mile search area; Numerous resources outside the search area	None
S-033061	Nancy Sikes, Cindy Arrington, Bryon Bass, Chris Corey, Kevin Hunt, Steve O'Neil, Catherine Pruett, Tony Sawyer, Michael Tuma, Leslie Wagner, and Alex Wesson	2006	Cultural Resources Final Report of Monitoring and Findings for the Qwest Network Construction Project, State of California	Archaeological, Architectural/historical, Field study, Monitoring	Numerous resources outside 0.25 miles search area	None
S-033061a	SWCA Environmental Consultants	2006	Cultural Resources Final Report of Monitoring and Findings for the Qwest Network Construction Project, State of California	Archaeological, Monitoring	Numerous resources outside 0.25 miles search area	None
S-033061b	Nancy E. Sikes	2007	Final Report of Monitoring and Findings for the Qwest Network Construction Project (letter report)	Archaeological, Monitoring	Numerous resources outside 0.25 miles search area	None
S-035171	Eileen Steen and Thomas M. Origer	2008	A Cultural Resources [Survey] for the Water Supply, Transmission, and Reliability Project, Sonoma County, California	Archaeological, Architectural/historical, Field study	P-49-001368/ CA-SON-1465H within 0.25 mile search area	None
S-035171a	Julia Franco	2017	Sonoma Booster Station Electrical Upgrade and Pumping Reliability Project, 5204 Montgomery Drive (APNs 013-191-011 and 031-133-019), Santa Rosa, Sonoma County (letter report)	Archaeological, Excavation, Field study	P-49-001368/ CA-SON-1465H within 0.25 mile search area	None
S-039520	Shelly Tiley, Dwight Simons, K.R. Bethard, Sunshine Psota, Jo Markwyn, Jack Meyer, David Glover, Leslie Glover, Tim Carpenter, Dan Camboia, and Maria Bowen	2003	Surface and Subsurface Archaeological Survey Report and Phase 1.5 Augering Program for the Marin/Sonoma Narrows Project Along Highway 101, Marin and Sonoma Counties, California, MRN-101 P.M. 18.6/27.7; SON-101 P.M. 0.0/7.7, CALTRANS/CSU Interagency Agreement No. 04-A1021, Task Order 01, EA-264000	Archaeological, Excavation, Field study	P-49-002834/ CA-SON-2322H within 0.25 mile search area; Numerous resources outside the search area	None
S-039520a	Andrew Hope	2006	Historic Resource Evaluation Report For the Marin-Sonoma Narrows Project On U.S. Highway 101, From the vicinity of Novato, Marin County To the vicinity of Petaluma, Sonoma County; 04-Mrn-101, KP29.4/44.5 (PM 18.3/27.7); 04-Son-101, KP 0.0/12.1 (PM 0.0/7.5); EA 264000	Architectural/historical, Field study	P-49-002834/ CA-SON-2322H within 0.25 mile search area; Numerous resources outside the search area	None
S-039520b	Brett Rushing	2010	Supplemental Archaeological Survey Report, Marin/Sonoma Narrows Project, on U.S. Highway 101 in Marin and Sonoma Counties, California	Archaeological, Field study	P-49-002834/ CA-SON-2322H within 0.25 mile search area; Numerous resources outside the search area	None
S-039520c	Walter C. Waidelich and Milford Wayne Donaldson	2011	FHWA101220A, Amended Area of Potential Effect and Supplemental Archaeological Survey Report for the Transportation Improvements to US Highway 101 in Marin and Sonoma Counties, CA	OHP Correspondence		
S-046714	Richard E. Thompson	2004	Phase I Cultural Resources Study for Haystack Landing, Parcel Numbers APN 019-320-001, -010, -022, and , -023, Petaluma, Sonoma County, California 94953	Archaeological, Field study	P-49-001368/ CA-SON-1465H within 0.25 mile search area	None

TABLE 1, con't
STUDIES IN/ADJACENT TO OR WITHIN 0.25 MILE OF THE APE

Report #	Author	Date	Title	Study Type	Comments	Resources In/Adjacent
Within 0.25 Mile. con't						
S-048626	Meg Scantlebury, Tait Elder, Melissa Cascella, Monte Kim, Aisha Rahimi-Fike, Lily Henry Roberts, and Patrick Maley	2013	Cultural Resources Inventory & Evaluation Report for Sonoma-Marin Area Rail Transit (SMART): Downtown San Rafael, Marin County to Petaluma, Sonoma County (MP17-MP 37.02)	Archaeological, Architectural/historical, Field study	P-49-001368/CA-SON-1465H and P-49-002834/CA-SON-2322H within 0.25 mile search area; four resources outside the search area	None
S-048626a	ICF International	2014	Archaeological Monitoring Plan For Sonoma-Marin Area Rail Transit (SMART): Downtown San Rafael, Marin County To Petaluma, Sonoma County (MP 17-MP 37.02)	Archaeological, Management/planning, Monitoring	P-49-001368/CA-SON-1465H and P-49-002834/CA-SON-2322H within 0.25 mile search area; four resources outside the search area	None
S-048626b	Julianne Polanco and Jane M. Hicks	2014	COE_2013_0628_001, Section 106 Consultation for the Sonoma Marin Area Rail Transit (SMART) Railroad Initial Operating Segment-1 South Project	OHP Correspondence		
S-053091	Taylor Alshuth and Tom Origer	2018	Cultural Resources Study for the Baywood Village Apartments Project, Petaluma, Sonoma County, California	Archaeological, Architectural/historical, Excavation, Field study	Negative	None

- There are no resources on or adjacent to the APE. Two historic sites are within 800 feet of the APE (see Table 2).

TABLE 2
CULTURAL RESOURCES WITHIN/ADJACENT TO THE APE

Resource	Type	Recorded by	Eligibility NRHP/CRHR	Comment
In/adjacent				
N/A				
Within 0.25 miles				
P-49-001368 CA-SON-1465H	Historic; Building, Site; Haystack Landing	1985 (Mick Hayes, Sonoma State University); 2010 (Heather Blind, Ganda)	Evaluated as eligible for the CRHR (Criteria 1,2,4); Not evaluated for NRHP (DPR)	Resource is ca. 800 feet to the south of the project. Built environment resource burned in 2004. Property is vacant.
P-49-002834 CA-SON-2322H	Historic; Building, Structure, Object, Element of district; Northwestern Pacific Railroad	2002 (Steven M. Hilton, Parsons Corporation); 2004 (Daniel Hart, GANDA); 2004 (Andrew Hope, Caltrans); 2004 (John Kelley, LSA); 2011 (Erica Schultz, GANDA) 2013 (Stephen Mikesell, ICF International); Numerous other segments recorded separately by various researchers	6Z –not eligible for the NRHP/CRHR	Resource alignment is ca. 475 feet southwest of the project

- No known Native American villages, trails, traditional use areas or contemporary use areas and/or other features of cultural significance have been identified in or adjacent to the APE. The APE is within Coast Miwok territory with the *Petaluma* tribe resident

within the Petaluma River valley (Milliken 1995:251). The nearest known village site to the APE, the “old village site” of *etem*, was at the town of Petaluma (Barrett 1908:310 and map) or alternatively north of present-day Petaluma (Kelly 1978:415, Fig. 1, #25).

- None of the known routes of Hispanic Era expeditions appear to have passed through or adjacent to the APE due to the marshy conditions along the periphery of the Petaluma River. Captain Fernando Quiros in 1776 sailed through the Petaluma Creek *tules* seeking a waterway to Bodega Bay; and, the Father José Altamira and Alferez José Sánchez 1823 expedition is known to have explored the area between Suisun and Petaluma (through San Rafael and Olompali) (see Beck and Haase 1974:#18; Heig 1982:132).
- The APE is within the ungranted lands about 0.25 mile south of the very irregular boundary of *Rancho Petaluma*, granted to Mariano Vallejo in 1843 (Hendry and Bowman 1940:map; USGS 1980 Petaluma River). Proximity to the marshy periphery of the Petaluma River precluded the presence of adobe dwellings, other structures, features, etc. in or adjacent to the APE (Sonoma Land Trust 2023).
- No potential historic era resources have been identified within or adjacent to the APE. The closest resource/feature of note, Haystack Landing, formerly known as Rudesill’s, is approximately 1,000 feet north of the APE along the shoreline. It was so-named after “a group of haystacks left to molder there all winter in the 1840s” (USGS 1861, 1914; USACE 1946; Heig 1982:72, 132; Patera 1991:164).

The location of the former Haystack House (P-49-001368 / CA-SON-1465H) is located 800 feet southwest of the APE. It burned in 2004 and the area is now vacant.

The alignment of a former railroad grade associated with the Northwestern Pacific Railroad (P-49-002834 / CA-SON-2322H) is 475 feet south of the APE.

- No listed or known potential National Register of Historic Places (NRHP) and/or California Register of Historical Resources (CRHR) are located within or adjacent to the APE. No other significant or potentially significant local, state or federal cultural resources/historic properties, landmarks, points of interest, etc. have been identified within or adjacent to the APE.
- A field inventory of the APE was not completed due to the nature of the nature of the project.
- The APE appears to have a very low sensitivity for the discovery of prehistoric or historic archaeological resources or tribal cultural resources based on the available archival data, historic maps and prior dredging and construction impacts. While the Vulcan Landing Way Pier has not been previously dredged, because the area adjacent to the channel has been dredged and the surrounding area has already been disturbed, historic or archeological resources are not expected to occur in the project vicinity (see USACE 2023; see also Petaluma Historian May 23, 2022 for a narrative of some of the local dredging).

FINDING OF EFFECT

A reasonable and good faith effort has been made to identify historic properties listed, determined, or potentially eligible for inclusion on the NRHP (36 CFR Part 800.4) within or

immediately adjacent to the APE pursuant to the NHPA of 1966 (as amended) (54 U.S.C. § 306108) and its implementing regulations 36 CFR Part 800. The identification effort included: (1) an archival and literature record search. A field inventory of the landside APE was not undertaken due to a lack of native ground available for review.

The regulations implementing Section 106 define an effect as any action that would alter the characteristics of the property that may qualify the property for inclusion in the NRHP and, diminish the integrity of a property's location, setting, design, materials, workmanship, feeling or association (36 CFR Part 800.5(a)(1-2)).

A finding of *No Historic Properties Affected* pursuant to 36 CFR Part 800.4(d)(1) is recommended as the proposed undertaking will have no effect on any historic properties as defined in 36 CFR Part 800.16(i).

MANAGEMENT RECOMMENDATIONS

It is recommended that the dredging within the APE can proceed as planned as it will not affect any historic properties or unique archaeological resources. The following protection measures are recommended:

- (a) The development of a formal *Post-Review Discovery Plan* is not recommended due to the low potential for exposing significant prehistoric or historic cultural material within the APE during the proposed repairs.
- (b) The project proponent shall note on any plans that require ground disturbing excavation that there is a potential for exposing buried cultural resources including prehistoric Native American burials.
- (c) In the event of post-review discoveries of cultural resources,¹ the U.S. Army Corps of Engineers (USACE), shall be notified so that any discoveries may be treated in accordance with 36 CFR Part 800.13(b).

1. Significant prehistoric cultural materials may include:

- a. Human bone - either isolated or intact burials.
- b. Habitation (occupation or ceremonial structures as interpreted from rock rings/features, distinct ground depressions, differences in compaction (e.g., house floors).
- c. Artifacts including chipped stone objects such as projectile points and bifaces; groundstone artifacts such as manos, metates, mortars, pestles, grinding stones, pitted hammerstones; and, shell and bone artifacts including ornaments and beads.
- d. Various features and samples including hearths (fire-cracked rock; baked and vitrified clay), artifact caches, faunal and shellfish remains (which permit dietary reconstruction), distinctive changes in soil stratigraphy indicative of prehistoric activities.
- e. Isolated artifacts

Significant historic cultural materials may include finds from the late 19th through early 20th centuries. Objects and features associated with the Historic Period can include.

- f. Structural remains or portions of foundations (bricks, cobbles/boulders, stacked field stone, postholes, etc.).
- g. Trash pits, privies, wells and associated artifacts.
- h. Isolated artifacts or isolated clusters of manufactured artifacts (e.g., glass bottles, metal cans, manufactured wood items, etc.).
- i. Human remains.

- (d) If the Professional Archaeologist determines that any cultural resources exposed during construction constitute a historical resource and/or unique archaeological resource or tribal cultural resource under CEQA, he/she shall notify the project proponent and other appropriate parties of the evaluation and recommend mitigation measures to mitigate to a less-than significant impact in accordance with California Public Resources Code Section 15064.5.
- (e) The treatment of human remains and any associated or unassociated funerary objects discovered during any soil-disturbing activity within the APE shall comply with shall comply with applicable State laws Chapter 1492, Section 7050.5 to the Health and Safety Code, Sections 5097.94, 5097.98 and 5097.99 of the Public Resources Code.

In addition, cultural materials including both artifacts and structures that can be attributed to Hispanic, Asian and other ethnic or racial groups are potentially significant. Such features or clusters of artifacts and samples include remains of structures, trash pits, and privies.

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- 1980 Petaluma River, Calif. Quadrangle]. Topographic map, 7.5' series (1954 photorevised). United States Geological Survey, Menlo Park (1959 photorevised).

United States Department of the Army, US Army Corps of Engineers (**USACE**)

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- 2000 Dredging up the Past: Bottles Discovered in the Petaluma River During Flood Control Excavations
- 2023 SPN-2023-00513 Vulcan Landing Way Pier Dredging and Maintenance. U.S. Army Corps of Engineers, San Francisco District.
<https://www.spn.usace.army.mil/Missions/Regulatory/Public-Notices/Article/3622394/spn-2023-00513-vulcan-landing-way-pier-dredging-and-maintenance/>

United States Department of the Interior, National Register of Historical Places, National Park Service (**USNPS**)

- 2024a-c NRHP [National Register of Historic Places] Spreadsheet listings = listed properties; National Historic Landmarks (NHLs), Multiple Property Cover Documents current to 1/15/2024. Web, accessed 6/05/2024.

Abbreviations

n.d. no date v.d. various dates N.P. no publisher noted
 n.p.p. no place of publisher noted

CHRIS/NWIC, Sonoma State University, Rohnert Park is used for material on file at the California Historical Resources Information System, Northwest Information Center, Sonoma State University, Rohnert Park.

ATTACHMENTS

FIGURES

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| FIGURE 1 | General Project Location (ESRI World Street Map) |
| FIGURE 2 | Project Location – T4N R7W unsectioned (USGS Petaluma River, Calif. 1980) |
| FIGURE 3 | Aerial View - Area of Potential Effects (APE) |

CHRIS/NWIC SEARCH RESULTS

SEARCH	CHRIS/NWIC File No. 23-1753. Dated 6/28/2024 (No Confidential Information)
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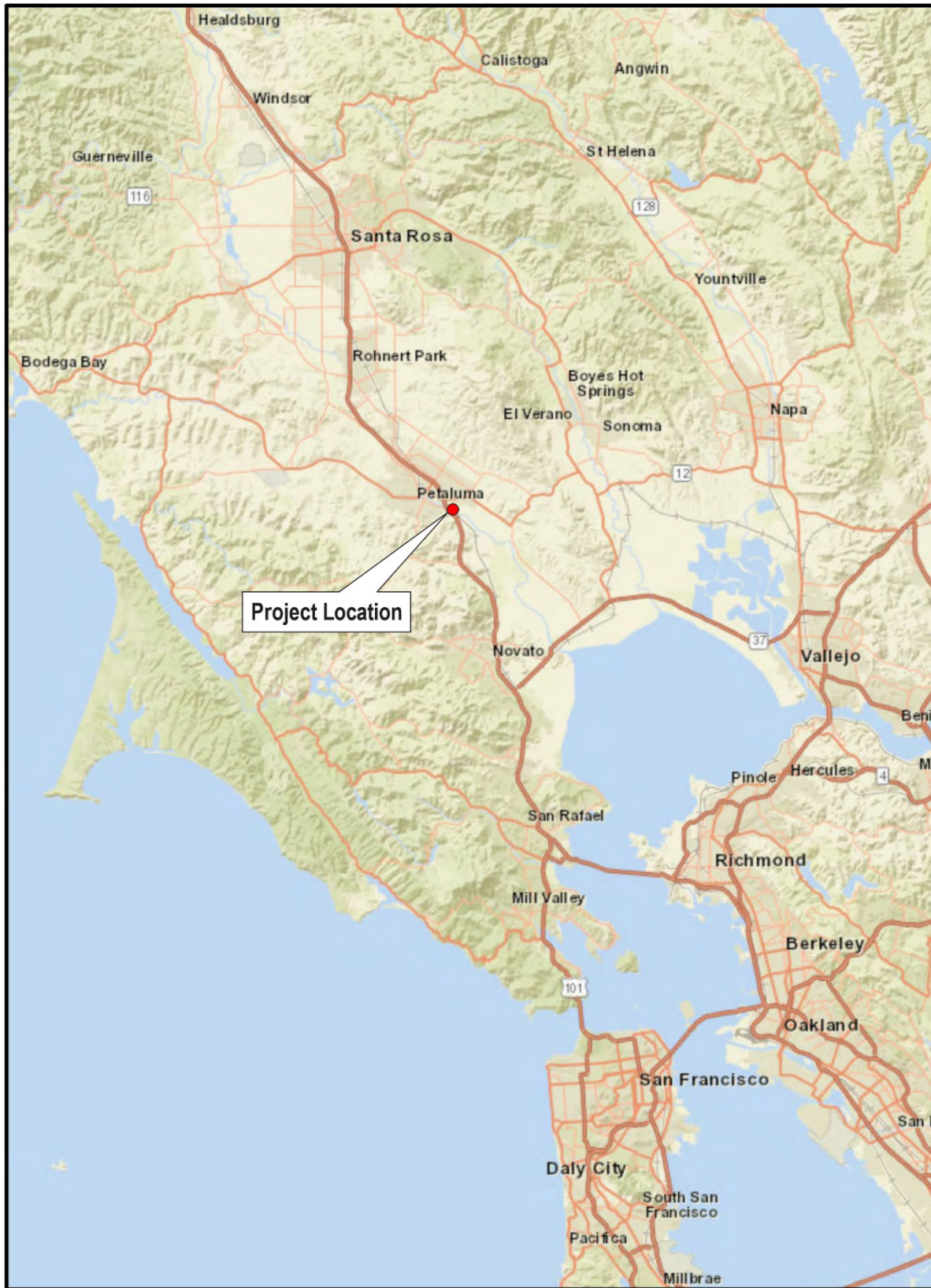


Figure 1: General Project Location (ESRI World Street Map)

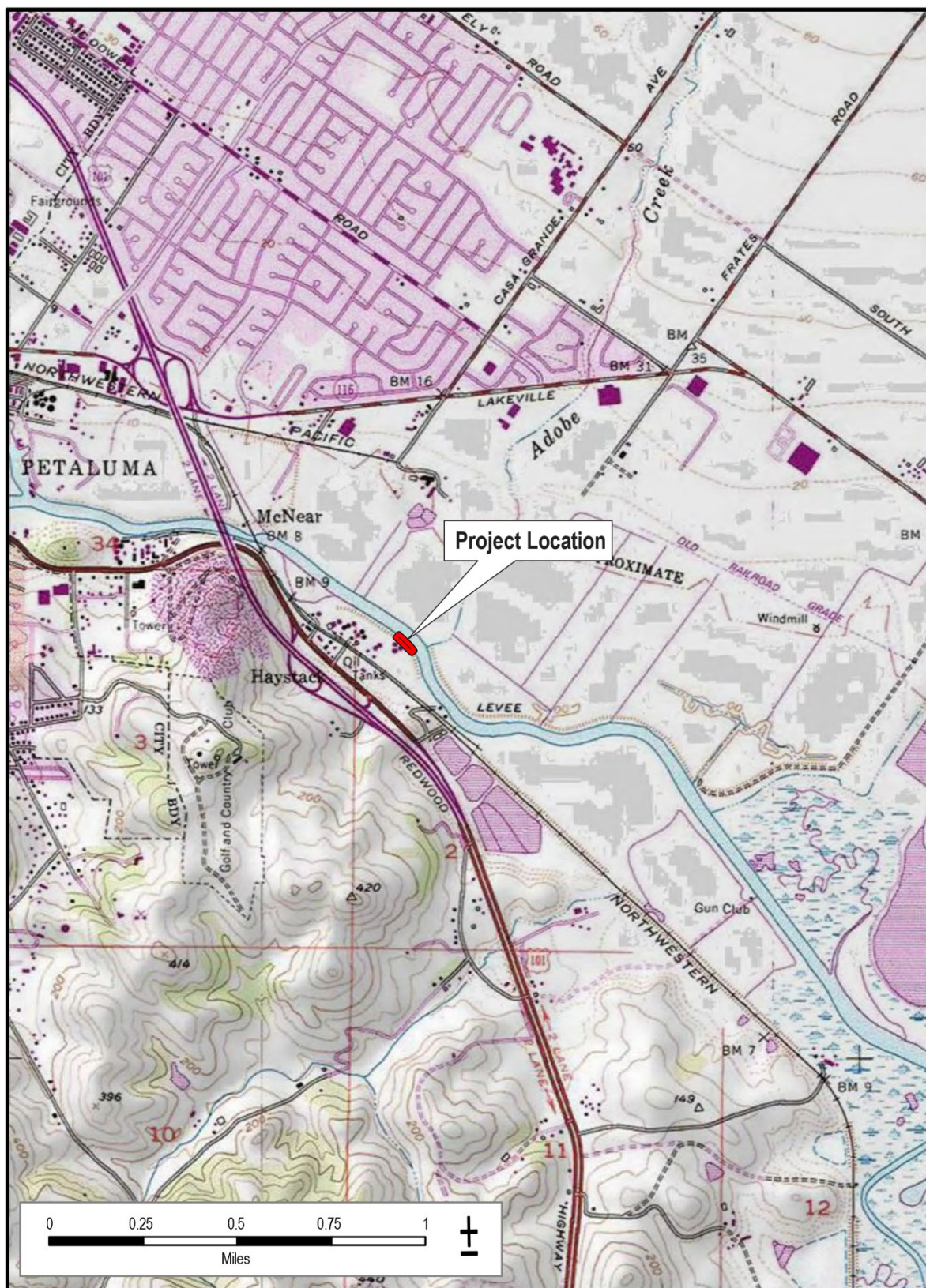


Figure 2: Project Location - T4N R7W unsectioned (USGS Petaluma River, Calif. 1980)



Figure 2: Project Location - T4N R7W unsectioned (USGS Petaluma River, Calif. 1980)

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Rohnert Park, California 94928-3609
Tel: 707.588.8455
nwwic@sonoma.edu
<https://nwwic.sonoma.edu>

6/28/2024

NWIC File No.: 23-1753

Donna M. Garaventa
Basin Research Associates
1933 Davis Street, Suite 214
San Leandro, CA 94577

Re: Vulcan

The Northwest Information Center received your record search request for the project area referenced above, located on the Petaluma River USGS 7.5' quad(s). The following reflects the results of the records search for the project area and a 0.25 mi. radius:

Resources within project area:	None listed
Resources within 0.25 mi. radius:	P-49-001368, P-49-002834
Reports within project area:	S-2639, 27910, 52308
Reports within 0.25 mi. radius:	[20] Please attached list, page 3

Resource Database Printout (list):

☒ enclosed ☐ not requested ☐ nothing listed

Resource Database Printout (details):

☒ enclosed ☐ not requested ☐ nothing listed

Resource Digital Database Records:

☐ enclosed ☒ not requested ☐ nothing listed

Report Database Printout (list):

☒ enclosed ☐ not requested ☐ nothing listed

Report Database Printout (details):

☒ enclosed ☐ not requested ☐ nothing listed

Report Digital Database Records:

☐ enclosed ☒ not requested ☐ nothing listed

Resource Record Copies:

[as requested] ☐ enclosed ☐ not requested ☐ nothing listed

Report Copies:

[as requested] ☐ enclosed ☐ not requested ☐ nothing listed

OHP Built Environment Resources Directory:

☐ enclosed ☐ not requested ☒ nothing listed

Archaeological Determinations of Eligibility:

☐ enclosed ☐ not requested ☒ nothing listed

CA Inventory of Historic Resources (1976):

☐ enclosed ☒ not requested ☐ nothing listed

GLO and/or Rancho Plat Maps:

☐ enclosed ☒ not requested ☐ nothing listed

Historical Maps:

☐ enclosed ☒ not requested ☐ nothing listed

Local Inventories:

☐ enclosed ☒ not requested ☐ nothing listed

Caltrans Bridge Survey:

☐ enclosed ☒ not requested ☐ nothing listed

Ethnographic Information:

☐ enclosed ☒ not requested ☐ nothing listed

Historical Literature:

☐ enclosed ☒ not requested ☐ nothing listed

Shipwreck Inventory:

☐ enclosed ☒ not requested ☐ nothing listed

Please forward a copy of any resulting reports from this project to the office as soon as possible. Due to the sensitive nature of archaeological site location data, we ask that you do not include resource location maps and resource location descriptions in your report if the report is for public distribution. If you have any questions regarding the results presented herein, please contact the office at the phone number listed above.

The provision of CHRIS Data via this records search response does not in any way constitute public disclosure of records otherwise exempt from disclosure under the California Public Records Act or any other law, including, but not limited to, records related to archeological site information maintained by or on behalf of, or in the possession of, the State of California, Department of Parks and Recreation, State Historic Preservation Officer, Office of Historic Preservation, or the State Historical Resources Commission.

Due to processing delays and other factors, not all of the historical resource reports and resource records that have been submitted to the Office of Historic Preservation are available via this records search. Additional information may be available through the federal, state, and local agencies that produced or paid for historical resource management work in the search area. Additionally, Native American tribes have historical resource information not in the CHRIS Inventory, and you should contact the California Native American Heritage Commission for information on local/regional tribal contacts.

Should you require any additional information for the above referenced project, reference the record search number listed above when making inquiries. Requests made after initial invoicing will result in the preparation of a separate invoice.

Thank you for using the California Historical Resources Information System (CHRIS).

Sincerely,

Annette Neal

Researcher