State of California Department of Transportation

HISTORIC PROPERTY SURVEY REPORT

1. UNDERTAKING DESCRIPTION AND LOCATION						
District	County	Route (Local Agency)	Local Assistance Project Prefix	Post Miles (Project No.)	Charge Unit (Agreement)	Expenditure Authorization (Location)
12	ORA	73		10/24.5		EA 0H4400

(For Local Assistance projects off the highway system, use headers in italics)

Project Description:

The Federal Highway Administration (FHWA) and the California Department of Transportation (Caltrans), in cooperation with the Cities of Irvine, Laguna Beach, Aliso Viejo, Laguna Niguel, and Newport Beach, propose to reduce sedimentation runoff into 39 storm water basins along State Route 73 (SR-73) between Jamboree Road and the Interstate 5 (I-5)/SR-73 interchange with Best Management Practices (BMPs) by reducing erosion of internal basin slopes, erosion of adjacent slopes, bare areas within the median, or any areas identified within the Caltrans right-of-way (ROW) as source contributors that drain into basins. The project proposes to treat bare soil and eroded areas with Low-Impact Development (LIDs) such as drought-tolerant plants, native plants, and erosion control measures. Temporary irrigation will be provided for new plantings in areas where there is no available water source or existing irrigation. Basin perimeter slopes with existing irrigation that require additional planting will be repaired or upgraded for efficiency to minimize water usage during plant establishment. Some areas will require engineer design recommendations for slope repair, grading, proposed concrete v-ditches, drainage issues, and maintenance safety concerns. Details of the work proposed for each basin can be found in Attachment D of this Historic Property Survey Report (HPSR).

Project Vicinity, Project Location, and Area of Potential Effects (APE) Maps are shown in Attachment A (Maps 1, 2, and 3, respectively).

2. AREA OF POTENTIAL EFFECTS

The APE for the project was established in consultation with Charles Baker, Caltrans District 12 Professionally Qualified Staff (PQS), and Eric Dickson, Caltrans District 12 Project Manager, on December 17, 2008. The APE is included in this HPSR as Attachment A, Map 3. The APE includes the limits of ground disturbance proposed for the project. The project does not have the potential to create visual and audible changes that could occur outside of Caltrans ROW.

3. CONSULTING PARTIES / PUBLIC PARTICIPATION

*(For the following, check the appropriate line, list names, dates, and locations and results of contacts, as appropriate. List organizations/persons contacted and attach correspondence and summarize verbal comments received as appropriate. **This instruction line and statements that are not applicable may be deleted**)*

✓ Native American Tribes, Groups and Individuals

The following Native American tribes, groups, and individuals were contacted via a letter sent by certified mail on November 12, 2008:

- Juaneño Band of Mission Indians, Acjachemen Nation, David Belardes, Chairperson. Joyce Perry, speaking for the Tribe, requested that the repatriation area she knows to exist adjacent to the APE be recorded as an archaeological site and paperwork be submitted to the South Central Coastal Information Center (SCCIC), as well as the Native American

For the federal undertaking described in Part 1: To minimize redundancy and paperwork for the California Department of Transportation and the State Historic Preservation Officer, and in the spirit intended under the federal Paperwork Reduction Act (U.S.C. 44 Chapter 35), this document also satisfies consideration under California Environmental Quality Act Guidelines Section §15064.5(a) and, as appropriate, Public Resources Code §5024 (a)(b) and (d).

Heritage Commission (NAHC), for inclusion in the Sacred Lands File. She also recommended monitoring by a Native American and an archaeologist during construction for the two Environmentally Sensitive Areas.

- Juaneño Band of Mission Indians, Sonia Johnston, Chairperson. Ms. Johnston prefers email follow-ups to telephone calls and will respond if she has any concerns. Please also see Alfred Cruz, below.
- Juaneño Band of Mission Indians, Acjachemen Nation, Anthony Rivera. A Tribal administrator stated that Mr. Rivera would respond if he has concerns about the project impacting cultural resources.
- Juaneño Band of Mission Indians, Anita Espinoza. Please see Mr. Ocampo, below.
- Juaneño Band of Mission Indians, Alfred Cruz. Mr. Cruz stated that due to the number of previously recorded sites, he considers the area to be sensitive for cultural resources. He requested the presence of a Native American monitor throughout construction. He also stated that he can speak for Ms. Johnston regarding this project.
- Juaneño Band of Mission Indians, Joe Ocampo. Mr. Ocampo stated that he and Ms. Espinoza discussed this project and that the Tribe has no concerns.
- Juaneño Band of Mission Indians, Adolph "Bud" Sepulveda. No response.

For details of the Native American consultation, please see Attachment C.

✓ Native American Heritage Commission

- In a letter dated November 14, 2008, Dave Singleton of the NAHC responded to LSA's November 12, 2008, request for a Sacred Lands File search. Mr. Singleton advised that the results of the search were negative for the United States Geological Survey (USGS) *Laguna Beach, California* quadrangle map, but that numerous resources were recorded near the project APE on the USGS *San Juan Capistrano, California* quadrangle map. The NAHC recommended contacting seven parties that may have knowledge of cultural resources in or close to the project area.

4. SUMMARY OF IDENTIFICATION EFFORTS

✓	National Register of Historic Places	Month & Year: 1979–2002 & supplements
✓	California Register of Historical Resources	Year: 1992 & supplemental information to date
✓	California Inventory of Historic Resources	Year: 1976
✓	California Historical Landmarks	Year: 1995 & supplemental information to date
✓	California Points of Historical Interest	Year: 1992 & supplemental information to date
✓	State Historic Resources Commission	Year: 1980–present, minutes from quarterly meetings
–	Caltrans Historic Highway Bridge Inventory	Year: 2006 & supplemental information to date

✓ Archaeological Site Records [*List names of Institutions & date below*]

- A record search at the SCCIC, California State University, Fullerton, was conducted on November 17 to 20, 2008.

✓ Results**:** *(provide a brief summary of records search and research results, as well as inventory findings)*
Within a 0.5-mile radius of the APE, 129 archaeological sites have been identified. Twenty-seven sites are listed on the Archaeological Determination of Eligibility (DOE) List. Twelve isolates have been identified within the 0.5-mile radius. Three historic cultural resources have been identified within the 0.5-mile radius. Twenty archaeological sites are plotted within or adjacent (within 200 feet) of the APE.

Within the 0.5-mile radius, 237 cultural resource studies have been conducted, 76 of which are located within the current APE. Of particular note, 19 of these studies were conducted for the San Joaquin Hills Transportation Corridor (SR-73). Cultural resources studies for the SR 73 corridor began with initial pedestrian surveys in 1978 and continued through additional survey, testing and evaluation, data recovery, and construction monitoring phases, with the final results of construction monitoring reported in 1997.

The repatriation site and the previously recorded site within or adjacent to the APE, their report references, their National Register status, their current condition, and the associated basins are summarized in the table below.

Site	Reference	National Register Status	Current Site Condition	Associated Basin	Recommendations
30-000218	Stickel and Howard (1976) Bissel (1988a) Breece (1989) Jertberg (1990a)	6Y (Ineligible)	Destroyed	1133L	
30-000221	Cooley (1974) Tadlock and Tadlock (1979)* Van Horn et al (1983)* Rosenthal and Padon (1987) Padon (1988) De Barros and Koerper (1990a)* Gibson and King (1991) Mason and Bonner (1992) Grenda (1998)	2 (Eligible)	Destroyed	1080R 1081L 1085L	
30-000222	Cooley (1974) Van Horn et al (1983)* Rosenthal and Padon (1987) Padon (1988) De Barros and Koerper (1990a)* Mason and Bonner (1992)	2 (Eligible)	Destroyed in ROW, possibly extant beyond ROW	1081L	
30-000225	Tadlock and Tadlock (1979)* Van Horn et al (1983)* Rosenthal and Padon (1987) De Barros and Koerper (1990a)* De Barros and Koerper (1990b)* McKenna and De Barros (1993a)* McKenna and De Barros (1993b)* Mason et al (1997b)* Mason and Brechbiel (1997)* Grenda (1998) Duke (2002)	2S2 (Eligible)	Destroyed	1076R 1080R	

30-000226	Van Horn et al (1983)* Rosenthal (1986) Mason (1987) Rosenthal and Padon (1987) Farnsworth and Whitney-Desautels (1989) Jertberg (1990a) De Barros and Koerper (1990a)* Chase (1995)	2S2 (Eligible)	Destroyed in ROW, possibly extant beyond ROW	1075L	
30-000389	Scientific Resource Surveys, Inc. (1976) Scientific Resource Surveys, Inc. (1977a) Scientific Resource Surveys, Inc. (1977b) Bissel (1986) Bissel (1988b) De Barros and Koerper (1990b)* Mason and Brechbiel (1997)*	2S2 (Eligible)	Extant in ROW	635L	Designate as ESA
30-000420	Van Horn et al (1983)* Demcak and Maxwell (1995) Lapin (2000)	Unknown	Destroyed	696R	
30-000618	Van Horn et al (1983)* Rosenthal and Padon (1987) Farnsworth and Whitney-Desautels (1989) Chambers Group, Inc. (1989)	Unknown	Destroyed	1032R	
30-000619	Van Horn (1977) Cottrell (1977) Tadlock and Tadlock (1979)* Van Horn et al (1983)* Mason (1987) Rosenthal and Padon (1987) Farnsworth and Whitney-Desautels (1989) Chambers Group, Inc. (1989)	Unknown	Destroyed in ROW, possibly extant beyond ROW	1032L	
30-001041	Bissel (1988a) Breece (1989) Jertberg (1990b) Padon (1999 and 2000)	Unknown	Destroyed	1156R	
30-001081	Breece et al (1989) De Barros and Koerper (1990b)*	Unknown	Destroyed	765L	
30-001085	Mason (1987) De Barros and Koerper (1990b)* Gibson and King (1991) Grenda (1998)	6Y (Ineligible)	Destroyed in ROW, possibly extant beyond ROW	1075L	

30-001120	Macko (1988)*	6Y (Ineligible)	Destroyed in ROW, possibly extant beyond ROW	1133L 1137L	
30-001209	Mason and Hellman (1989)	Unknown	Possibly extant within ROW	1032R	
30-001357	De Barros (1997)* Mason and Brechbiel (1997)*	Determined eligible but not on the DOE List	Extant in ROW	630L	Designate as ESA
30-001358	Mason (1994)* Mason and Bonner (1994)* Mason and Brechbiel (1997)*	Unknown	Destroyed	1156R	
30-001432	Mason (1994)* Bonner et al (1997)* Mason and Brechbiel (1997)*	Determined eligible but not on the DOE List	Intact beyond current disturbance limits	878R 883L	
30-001436	Mason (1997)* Mason and Bonner (1997)* Mason et al (1997a)* Mason and Brechbiel (1997)*	Determined eligible but not on the DOE List	Destroyed	765L	
30-001438	Mason (1997)* Mason and Bonner (1997)* Mason et al (1997a)* Mason and Brechbiel (1997)*	Determined eligible but not on the DOE List	Destroyed	765L	
30-001478	Strudwick (1997a) Strudwick (1997b)	Unknown	Extant beyond ROW	780R	
30-001687	Fulton (2009)		Extant in ROW	765L	Designate as ESA Repatriation Site

*San Joaquin Hills Transportation Corridor (SR-73) Studies
APE = Area of Potential Effects
Caltrans = California Department of Transportation
DOE = Determination of Eligibility
ESA = Environmentally Sensitive Area
ROW = Caltrans Right-of-Way
SR-73 = State Route 73

HISTORIC PROPERTY SURVEY REPORT

5. PROPERTIES IDENTIFIED

✓ Caltrans, as assigned by FHWA, has determined that the following **archaeological sites** within the Project APE shall be considered eligible for inclusion in the National Register without conducting subsurface testing or surface collection within the APE, for which the **establishment of an ESA** will protect the sites from any potential effects, in accordance with Section 106 PA Stipulation VIII.C. See attached documentation.

- 30-000389
- 30-001357
- 30-001687

6. LIST OF ATTACHED DOCUMENTATION

✓ Project Vicinity, Location, and APE Maps (Attachment A)

✓ Archaeological Survey Report (ASR) (Attachment B)

- Prepared by Phil Fulton, LSA Associates, Inc., January 2009.
- Reviewed by Alex N. Kirkish, Caltrans Archaeologist, January 2009.

✓ Other *(Specify below)*

- Native American Consultations: Example Native American consultation letter, table showing Native American responses, and NAHC correspondence (Attachment C).
- SR-73 Storm Water Mitigation & Slope Stability EA 0H4400; Preliminary 09/05/08 Description of Proposed Work Within Basins, Perimeter Slopes, and Adjacent Slopes (Attachment D).
- Archaeological Site Records for 30-000218, -000221, 000222, -000225, -000226, -000389, -000420, -000618, -000619, -001041, -001081/1436, -001085, -001120, -001209, -001357, -001358, -001432, -001438, -001478, and LSA-CDT0807-1 (Attachment E).
- ESA Action Plan (Attachment F)

7. HPSR TO FILE

✓ **No properties requiring evaluation** are present within the project's APE.

8. HPSR TO SHPO

✓ As assigned by FHWA, Caltrans has determined a **Finding of No Adverse Effect with Standard Conditions – ESAs**, according to Section 106 PA Stipulation X.B(2) and 36 CFR 800.5(b), is appropriate for this undertaking, and is hereby notifying the SHPO of this finding. Alex N. Kirkish, who meets the PQS Standards in Section 106 Programmatic Agreement (Section 106 PA) Attachment 1 as a Principal Investigator—Prehistoric Archaeology, has reviewed the attached documentation and determined that it is adequate.

- While no project impacts are proposed or expected, ESAs have been established in the vicinity of Sites 30-000389, 30-001357, and LSA-CDT0807-1. The purpose is to prevent inadvertent impacts during project implementation.
- Site 30-000389 should be protected from inadvertent impacts by the installation of exclusion fencing during project implementation. The fencing should be placed along the eastern side of the Aliso Creek Bike Path for the extent of the Caltrans ROW.
- Site 30-001357 should be protected from inadvertent impacts by the installation of exclusion fencing during project implementation. The fencing should be placed along the western side of the dirt access road that parallels the eastern bank of Aliso Creek for the extent of the Caltrans ROW.
- Site 30-001687 should be protected from inadvertent impacts by the installation of exclusion fencing during project implementation. The fencing should be placed along the southwestern edge of the V-ditch that is located along the southwestern edge of storm water Basin 765L.

HISTORIC PROPERTY SURVEY REPORT

9. FINDINGS FOR STATE-OWNED PROPERTIES

– Caltrans has determined that there are **no State-owned cultural resources** within the project's APE.

10. CEQA IMPACT FINDINGS

– Caltrans has determined a **finding of no impact** is appropriate because there are no historical resources within the Project Area limits, or there are no impacts to historical resource(s), pursuant to CEQA Guidelines §15064.5(b)(3).

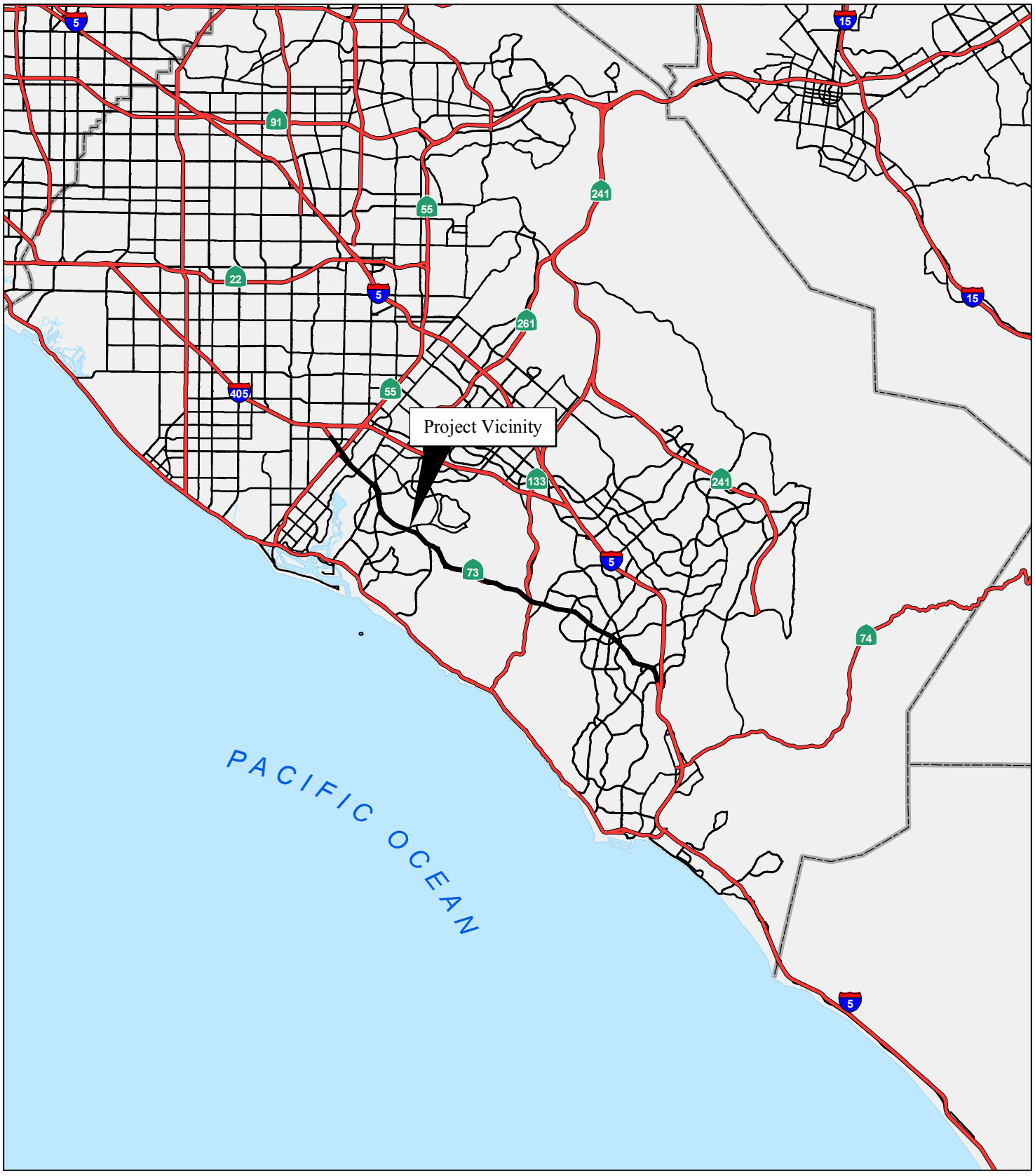
11. HPSR PREPARATION AND DEPARTMENT APPROVAL

Prepared by: District 12 Caltrans PQS:	*PQS level and discipline]*	Date
Prepared by: Consultant / discipline:	Phil Fulton, Co-Principal Investigator—Prehistory and Historical Archaeology	1/14/2009 Date
Affiliation	LSA Associates, Inc. 20 Executive Park, Suite 200 Irvine, CA 92614-4731	
Reviewed for approval by: District 12 Caltrans PQS discipline/level:	Alex N. Kirkish, Principal Investigator—Prehistoric Archaeology (PQS)	1/28/09 Date
Approved by: *(sign on line)* District 12 EBC:	Charles Baker Senior Environmental Planner	1/28/09 Date

ATTACHMENT A

MAPS

Map 1: Project Vicinity
Map 2: Project Location
Map 3: Area of Potential Effects (APE)



MAP 1

Legend

Project Alignment

N

0 13,500 27,000 FEET

SOURCE: USGS 7.5' QUAD - LAGUNA BEACH ('81); SAN JUAN CAPISTRANO ('81); TUSTIN ('81); CALIF.

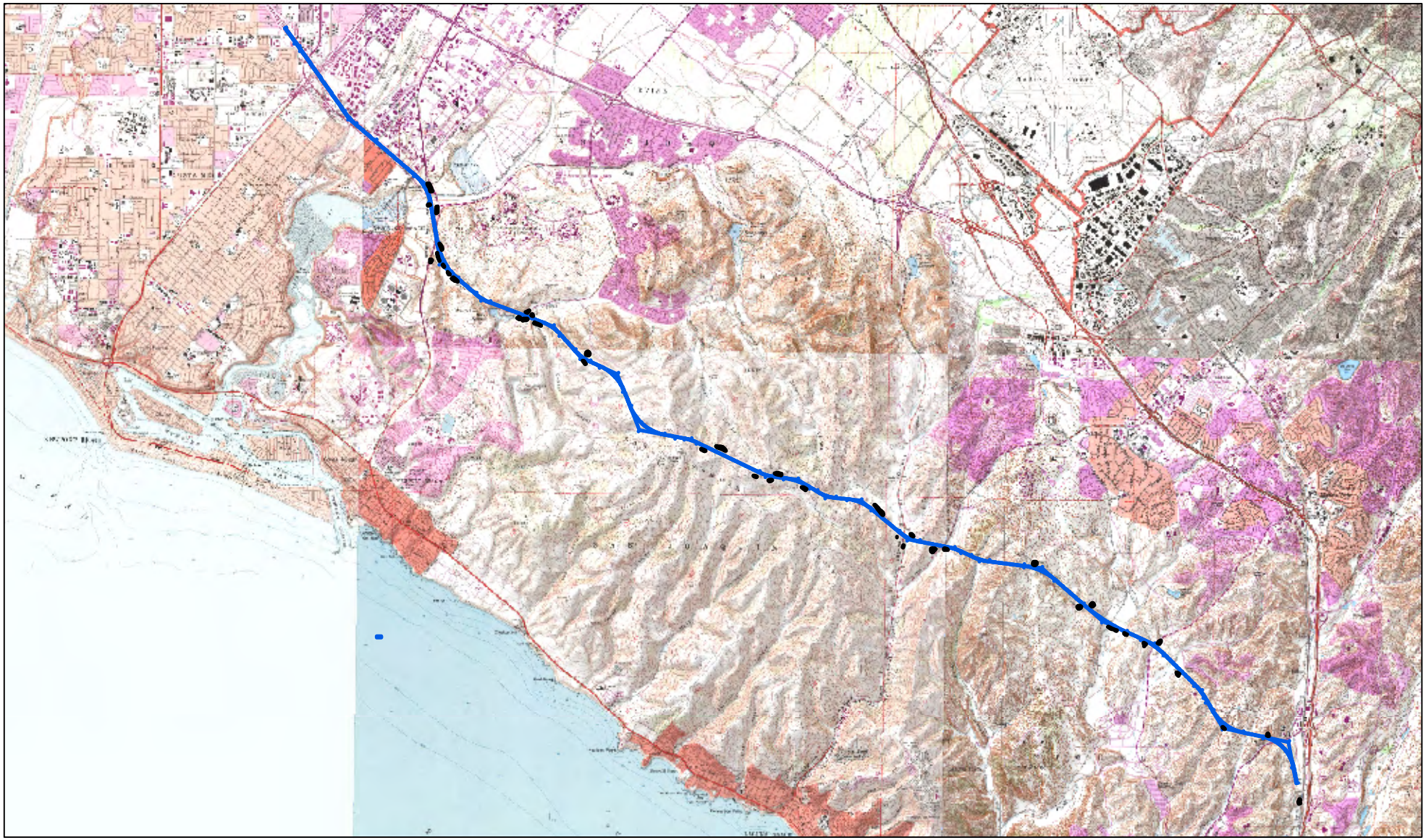
I:\CDT0807\GIS\Map1_ProjVicinity.mxd (1/9/2009)

SR-73 Basin Sedimentation Project

Project Vicinity Map

EA# 0H4400

12-ORA-73 PM 10/24.5



MAP 2

LEGEND

Basin Location

Project Alignment

N

0 4500 9000

FEET

SOURCE: USGS 7.5' QUAD - LAGUNA BEACH ('81); NEWPORT BEACH ('81); SAN JUAN CAPISTRANO ('81); TUSTIN ('81); CALIF.

I:\CDT0807\GIS\Map2_ProjLoc.mxd (1/9/2009)

SR-73 Basin Sedimentation Project

Project Location Map

EA# 0H4400

12-ORA-73 PM 10/24.5

ATTACHMENT C

NATIVE AMERICAN CONSULTATION

NATIVE AMERICAN CONSULTATION RECORD

Proposed State Route 73 Basin Sedimentation Project, Cities of Laguna Beach, Aliso Viejo, and Laguna Niguel, Orange County, California

Date LSA Requested Sacred Lands File (SLF) Search: November 12, 2008 Date Native American Heritage Commission (NAHC) Replied: November 14, 2008
Results of Sacred Lands File Search: failed to indicate presence of Native American cultural resources on the Laguna Beach quad, but indicated there are numerous cultural resources in close proximity to the project area on the San Juan Capistrano quad. The NAHC also recommended that LSA contact the groups/individuals listed below.

Groups Contacted	Date LSA Sent Letter to Tribes	Date LSA Rec'd Response from Tribes	Date and Results of LSA Follow-up Telephone Calls and/or Emails
Juaneño Band of Mission Indians Acjachemen Nation David Belardes, Chairperson Juaneño	11/18/08	No response received.	December 15, 2008: The letter was returned as "unclaimed". December 16, 2008: A voice mail was left for Mr. Belardes. December 19, 2008: Joyce Perry, Cultural Resources Manager for the Tribe, returned the call to make official comments on the Tribe's behalf. She asked the repatriation area known to be adjacent to one of the basins be recorded as a site and submitted to the information center. She also requested that it be submitted to the NAHC to be included as part of the SLF. The Tribe would also like to have the two designated Environmentally Sensitive Areas (ESAs) be monitored by an archaeologist and an Native American during construction.
Juaneño Band of Mission Indians Sonia Johnston, Tribal Chairperson Juaneño	11/18/08	No response received.	December 16, 2008: Ms. Johnston prefers email communication. Please see attached email follow up. If she has concerns or comments regarding the project, she will respond. Please also see Alfred Cruz, below.
Juaneño Band of Mission Indians Acjachemen Nation Anthony Rivera, Chairman Juaneno	11/18/08	No response received.	December 16, 2008: A message was left for Mr. Rivera with a Tribal administrator. The administrator stated that if the Tribe has concerns about this project impacting cultural resources, they would return the call and comment.
Juaneño Band of Mission Indians Anita Espinoza Juaneño	11/18/08	No response received.	December 16, 2008: Please see comments from Mr. Ocampo, below.
Juaneño Band of Mission Indians Alfred Curz, Cultural Resources Coordinator Juaneño	11/18/08	No response received.	December 16, 2008: Two attempts to call were made but the line was busy. December 19, 2008: A voice mail was left and the information sent to Mr. Cruz in a follow up email. December 29, 2008: Mr. Cruz called on December 29, 2008 to state that due to the number of previously recorded sites, he considers the area to be sensitive for cultural resources. He requested the presence of a Native American monitor throughout construction. He also stated that he can speak for Ms. Johnston regarding this project.

Groups Contacted	Date LSA Sent Letter to Tribes	Date LSA Rec'd Response from Tribes	Date and Results of LSA Follow-up Telephone Calls and/or Emails
Juaneño Band of Mission Indians Joe Ocampo, Chairperson Juaneño	11/18/08	No response received.	December 16, 2008: Mr. Ocampo stated that he and Anita Espinoza had discussed this project and he could speak for both of them when he says that the Tribe has no concerns. However, they would like to be notified immediately of any cultural resources discoveries.
Juaneno Band of Mission Indians Adolph "Bud" Sepulveda, Vice Chairperson Juaneño	11/18/08	No response received.	December 16, 2008: Two attempts to call were made but the there was no answer. December 19, 2008: The information was sent to Mr. Sepulveda in a follow up email. The email was returned as "undeliverable" due to a faulty address. December 22, 2008: The email was resent and a voicemail was also left for Mr. Sepulveda on his cell phone. The voice mail asked that he return the call if he or the Tribe has any concerns about the project impacting cultural resources.

LSA

LSA ASSOCIATES, INC.
20 EXECUTIVE PARK, SUITE 200
IRVINE, CALIFORNIA 92614

949.553.0666 TEL
949.553.8076 FAX

BERKELEY
CARLSBAD
FORT COLLINS
FRESNO
PALM SPRINGS
POINT RICHMOND
RIVERSIDE
ROCKLIN
SAN LUIS OBISPO
SOUTH SAN FRANCISCO

November 12, 2008

Dave Singleton
Native American Heritage Commission
915 Capitol Mall, Room 364
Sacramento, CA 95814

Subject: Sacred Lands File Search for the Proposed State Route 73 Basin Sedimentation Project, Orange County, California

Dear Mr. Singleton:

Attached please find portions of three United States Geological Survey (USGS) 7.5-minute topographic quadrangle maps. Plotted on the maps is the location of the proposed State Route 73 Basin Sedimentation Project in Orange County, California. Specifically, the project is situated in the Township, Ranges and Sections of each quadrangle as shown in the table below. The sections are divided according to Irvine Ranch Section and regular USGS Section.

Quad	**Township and Range**	**Irvine Ranch Section**
Tustin, California	6 South, 9 West	50, 57, 58, 91, and 98
Laguna Beach, California	6 South, 9 West	98, 134, 160, 161, and 168
Laguna Beach, California	7 South, 9 West	168
Laguna Beach, California	7 South, 8 West	168 and 180
Quad		**USGS Section**
Laguna Beach, California	7 South, 8 West	unsectioned
San Juan Capistrano, California	7 South, 8 West	Section 24 and unsectioned

There will be ground disturbance associated with this project. LSA Associates, Inc. (LSA) is requesting a Sacred Lands File search for this project area. Please notify LSA of any Traditional Cultural Properties (TCPs) and/or sacred sites that may be impacted.

As always, thank you very much for your assistance with this project. If you have any questions or comments, please contact me at (949) 553-0666 or e-mail me at terri.fulton@lsa-assoc.com.

Best Regards,

LSA ASSOCIATES, INC.

Terri Fulton
Archaeologist/Senior Cultural Resources Manager
Native American Consultation

Attachment: Portions of USGS maps

- Erosion Control Blanket
- Temporary Erosion Control BMP
- Existing Drain Inlet and Drainline Flow
- Saltbrush Scrub Revegetation
- CSS Vegetation Mitigation
- Grasses
- CSS Revegetation Mitigation Within SJHTC ROW
- Oak Revegetation
- CSS Revegetation Outside Final SJHTC ROW Conserved Bo County of Orange
- CSS Habitat Conserved Within Final SJHTC ROW
- Planting W/Irrigation
- Gravel Access Road
- Rip Rap Dissipation
- Concrete V-Ditches
- Asphalt Concrete Curb
- Chainlink Fence
- Concrete Catchment Wall
- Grading Work W/Topsoil
- Paving (Concrete Asphalt, Concrete)
- CSS Preserved and Restore

0

)URCE: Air Photo USA (2008).

CDT0807\GIS\Topo_field.mxd (11/11/2008)

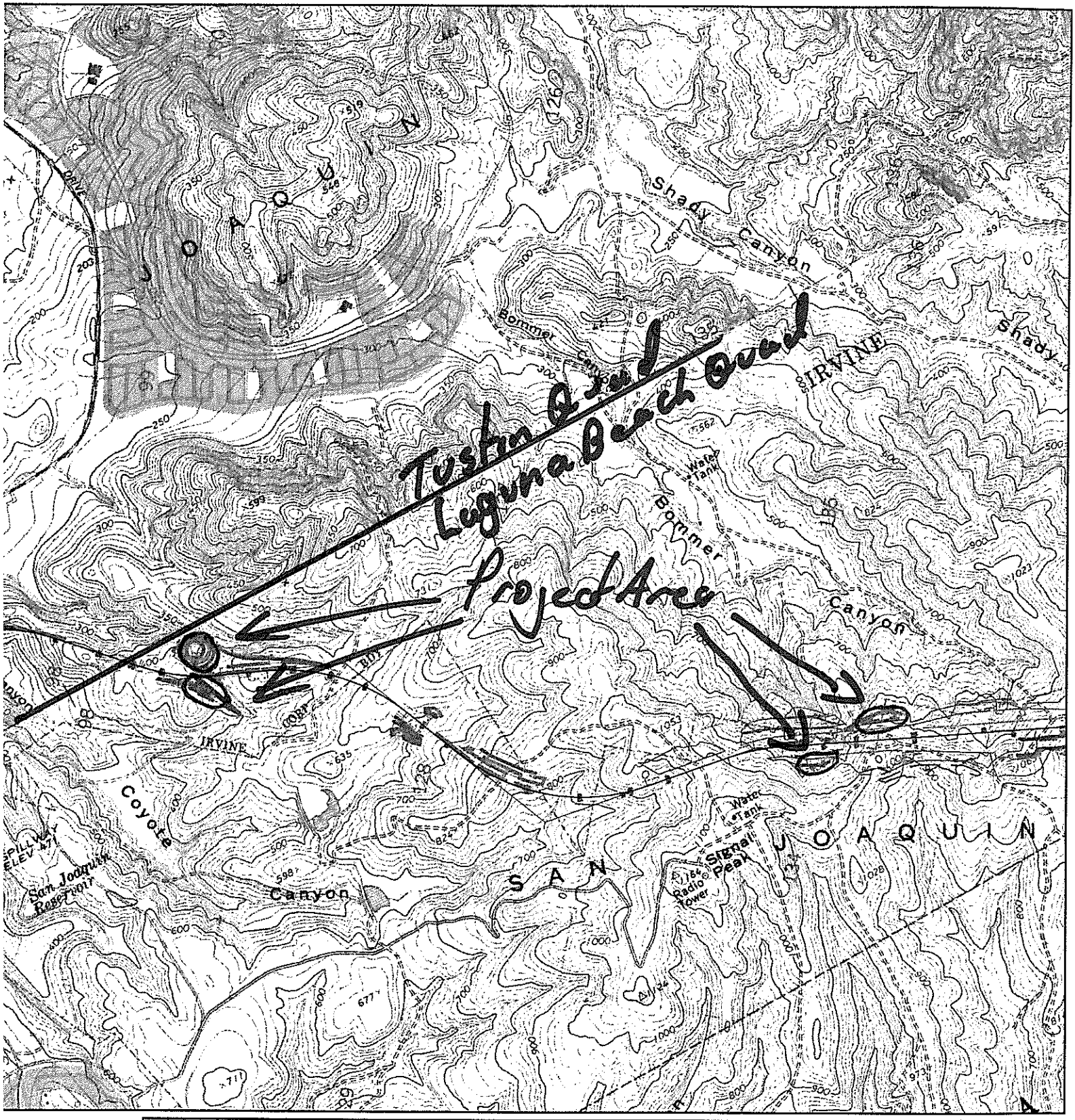
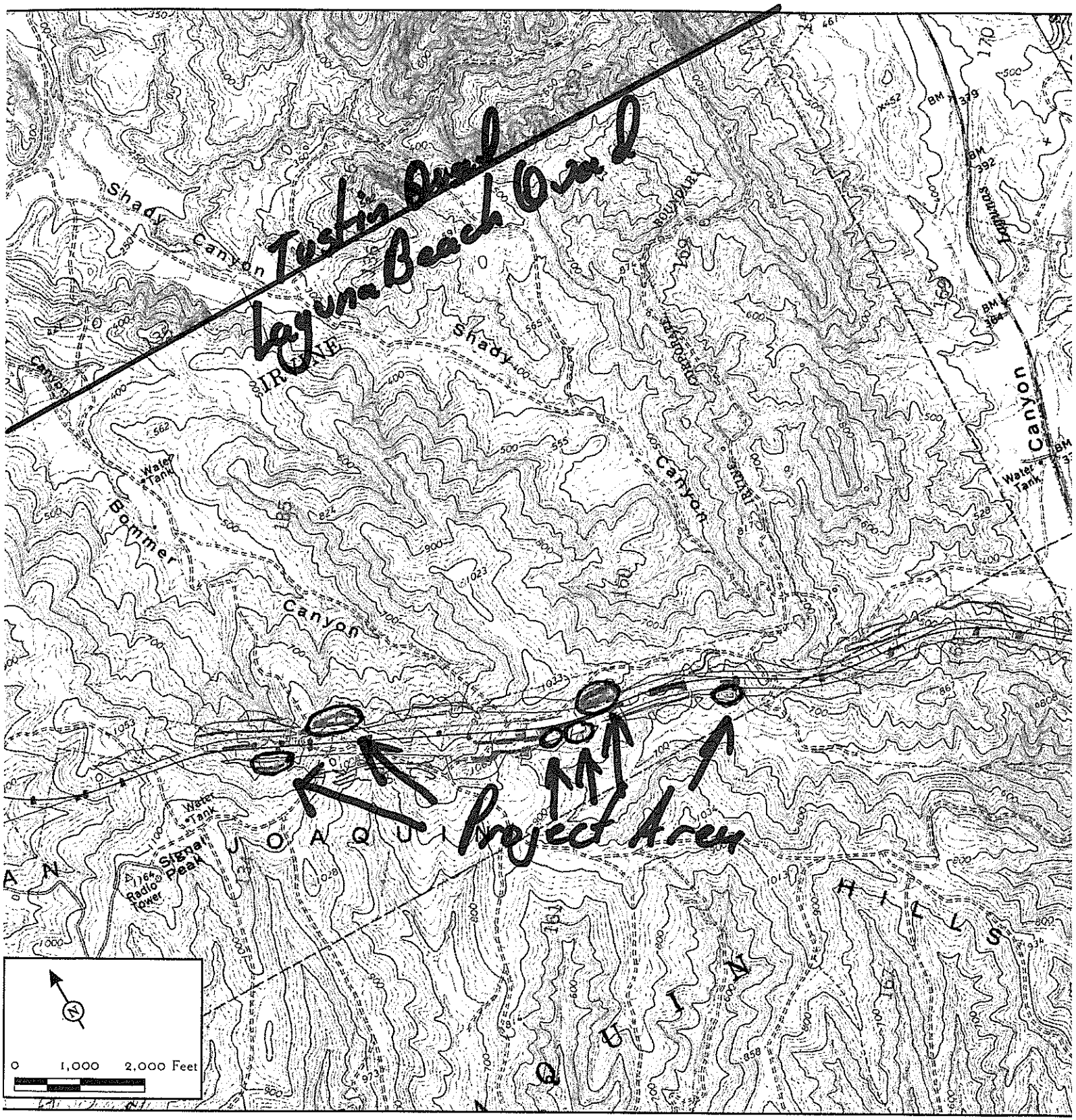


FIGURE 1
Sheet 1 of 3

2

SR-73 Basin Sedimentation Project
Location Map



3

URCE: Air Photo USA (2008).

CDT0807\GIS\Topo_field.mxd (11/11/2008)

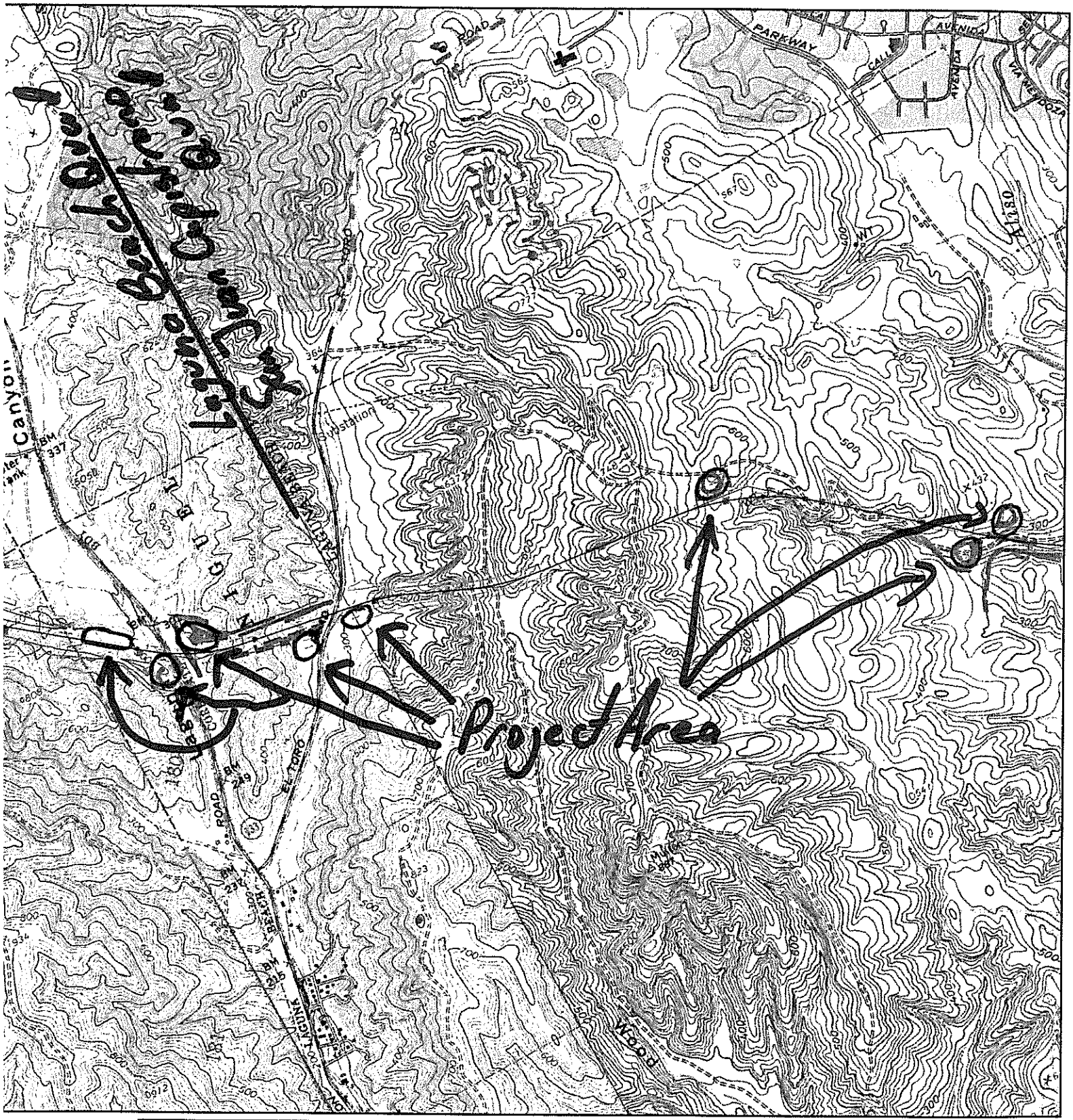
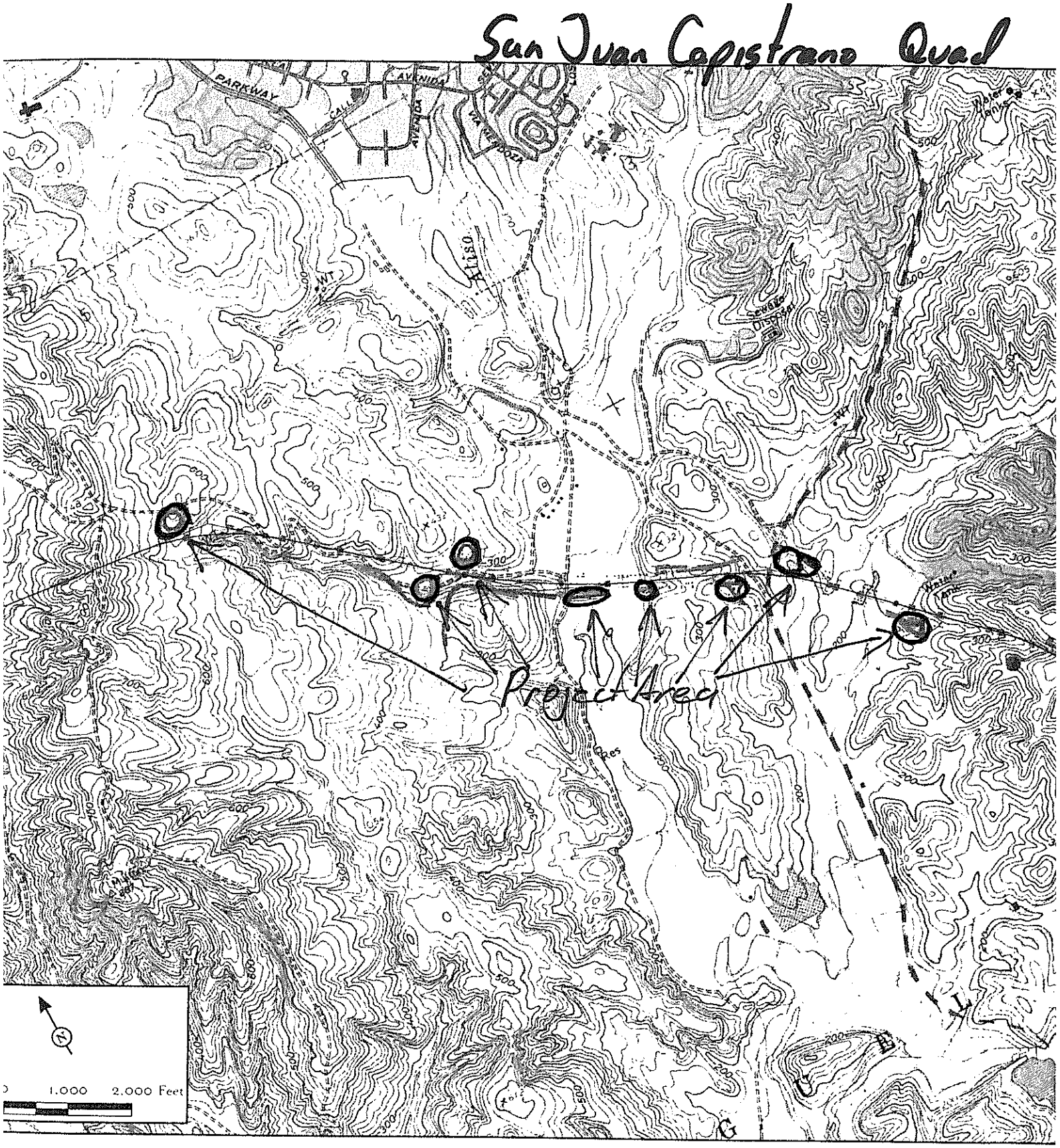


FIGURE 1
Sheet 2 of 3

4

SR-73 Basin Sedimentation Project
Location Map



5

RCE: Air Photo USA (2008)

DT0807 GIS Topo field.mxd (11 11 2008)

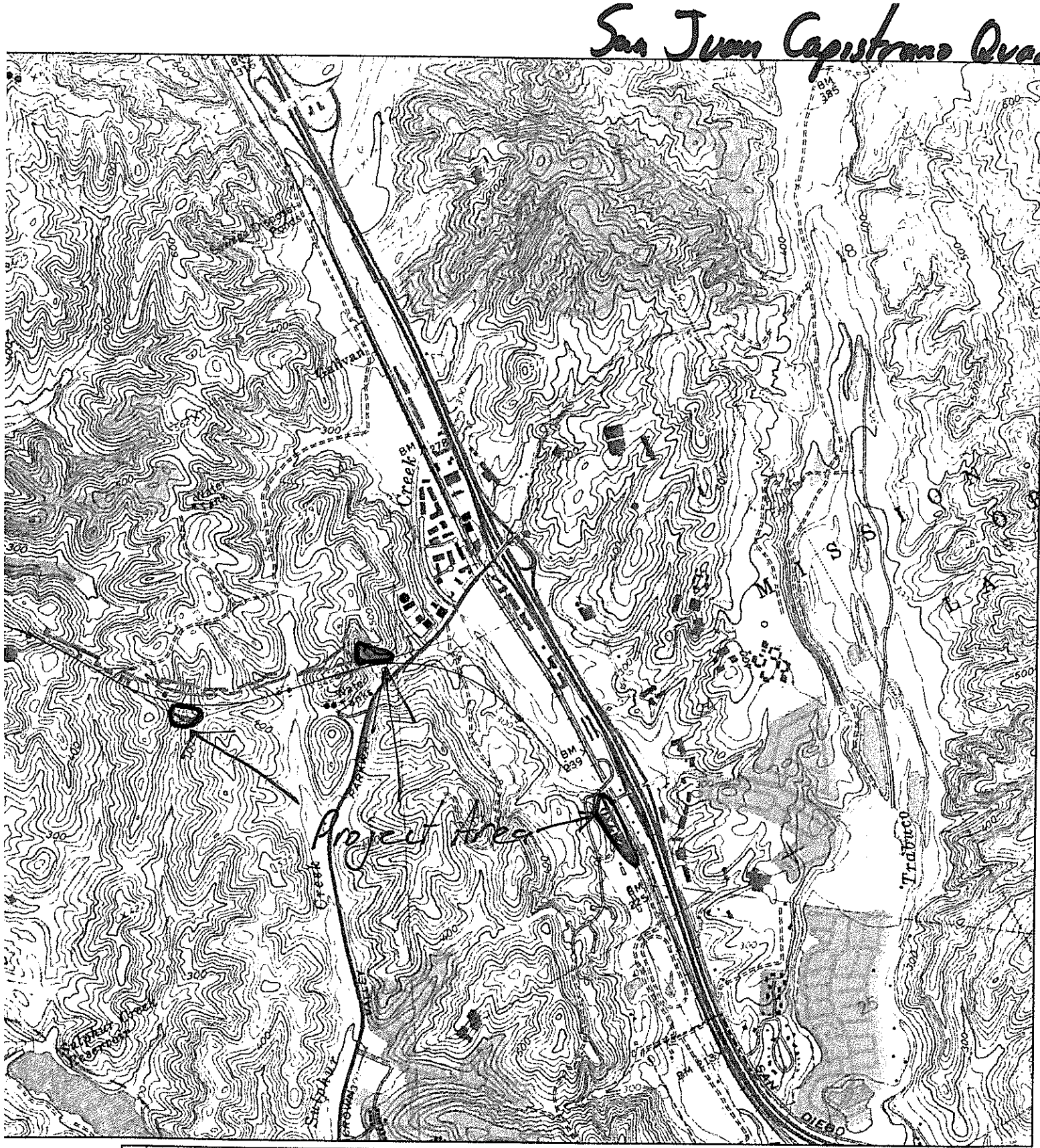


FIGURE 1
Sheet 3 of 3

6

SR-73 Basin Sedimentation Project
Location Map

TRANSMISSION VERIFICATION REPORT

TIME : 11/12/2008 14:30
NAME :
FAX :
TEL :
SER.# : 000C5J225683

DATE,TIME	11/12 14:22
FAX NO./NAME	NAHC
DURATION	00:07:14
PAGE(S)	07
RESULT	OK
MODE	STANDARD ECM

STATE OF CALIFORNIA — Arnold Schwarzenegger, Governor

NATIVE AMERICAN HERITAGE COMMISSION
915 CAPITOL MALL, ROOM 364
SACRAMENTO, CA 95814
(916) 653-6251
Fax (916) 657-5390
Web Site www.nahc.ca.gov
e-mail: ds_nahc@pacbell.net

November 14, 2008

Ms. Terri Fulton, Archaeologist/Senior Cultural Resources Manager
LSA ASSOCIATES, INC.
20 Executive Park, Suite 200
Irvine, CA 92614

Sent by FAX to: 949-553-8076
No. of Pages: 2

Re: Request for a Sacred Lands File records search and Native American Contacts list for the proposed, **State Route 73 Basin Sedimentation Project** located in southwestern Orange County, California

Dear Ms. Fulton:

The Native American Heritage Commission (NAHC) was able to perform a record search of its Sacred Lands File (SLF) for the affected project area/areas of potential effect (APE). The SLF failed to indicate the presence of Native American cultural resources in the immediate project areas of the Tustin, Laguna Beach USGS Quadrangles. However, there were numerous Native American cultural resources in close proximity to the APS in the San Juan Capistrano USGS Quadrangle. The absence of specific site information in the Sacred Lands File does not guarantee the absence of cultural resources in any project area.

Early consultation with Native American tribes in your area is the best way to avoid unanticipated discoveries once a project is underway. Enclosed are the names of culturally affiliated Native American Contacts that may have knowledge of cultural resources in the project area. A list of Native American contacts is attached to assist you. It is advisable to contact the persons listed; if they cannot supply you with specific information about the impact on cultural resources.

Lead agencies should consider avoidance, as defined in Section 15370 of the California Environmental Quality Act (CEQA) when significant cultural resources could be affected by a project. Also, Public Resources Code Section 15064.5(f) and Section 15097.98 and Health & Safety Code Section 7050.5 provide for provisions for accidentally discovered archeological resources during construction and mandate the processes to be followed in the event of an accidental discovery of any human remains in a project location other than a 'dedicated cemetery. Discussion of these should be included in your environmental documents, as appropriate.

If you have any questions about this response to your request, please do not hesitate to contact me at (916) 653-6251.

Sincerely,

Dave Singleton
Program Analyst

Attachment: Native American Contact List

Native American Contacts
Orange County
November 14, 2008

Juaneno Band of Mission Indians Acjachemen Nation
David Belardes, Chairperson
31742 Via Belardes Juaneno
San Juan Capistrano , CA 92675
DavidBelardes@hotmail.com
(949) 493-0959
(949) 493-1601 Fax

Sonia Johnston, Tribal Chairperson
Juaneño Band of Mission Indians
P.O. Box 25628 Juaneno
Santa Ana , CA 92799
sonia.johnston@sbcglobal.net
(714) 323-8312

Juaneno Band of Mission Indians Acjachemen Nation
Anthony Rivera, Chairman
31411-A La Matanza Street Juaneno
San Juan Capistrano , CA 92675-2674
arivera@juaneno.com
949-488-3484
949-488-3294 Fax

Juaneno Band of Mission Indians
Anita Espinoza
1740 Concerto Drive Juaneno
Anaheim , CA 92807
(714) 779-8832

Juaneno Band of Mission Indians
Alfred Cruz, Cultural Resources Coordinator
P.O. Box 25628 Juaneno
Santa Ana , CA 92799
alfredgcruz@sbcglobal.net
714-998-0721
slfredgcruz@sbcglobal.net

Juaneno Band of Mission Indians
Joe Ocampo, Chairperson
1108 E. 4th Street Juaneno
Santa Ana , CA 92701
joeaocampo@netzero.com
(714) 547-9676
(714) 623-0709-cell

Juaneno Band of Mission Indians
Adolph 'Bud' Sepulveda, Vice Chairperson
P.O. Box 25828 Juaneno
Santa Ana , CA 92799
bssepul@yahoo.net
714-838-3270
714-914-1812 - CELL
bsepul@yahoo.net

This list is current only as of the date of this document.

Distribution of this list does not relieve any person of statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code.

This list is only applicable for contacting local Native Americans with regard to cultural resources for the proposed State Route 73 Basin Sedimentation Project in southwestern Orange County, California for which Sacred Lands File searches and Native American Contacts list were requested.

LSA

LSA ASSOCIATES, INC.
20 EXECUTIVE PARK, SUITE 200
IRVINE, CALIFORNIA 92614

949.553.0666 TEL
949.553.8076 FAX

BERKELEY
CARLSBAD
COLMA
FORT COLLINS
PALM SPRINGS
POINT RICHMOND
RIVERSIDE
ROCKLIN
SAN LUIS OBISPO

November 18, 2008

Juaneño Band of Mission Indians Acjachemen Nation
David Belardes, Chairperson
31742 Via Belardes
San Juan Capistrano, CA 92675

Subject: Native American Consultation for the Proposed State Route 73 Basin Sedimentation Project, Cities of Laguna Beach, Aliso Viejo, and Laguna Niguel, Orange County, California (Task Order 11, EA OH440)

Dear Mr. Belardes:

The California Department of Transportation (Caltrans) is proposing improvements to 38 basins located at various locations along State Route 73 (SR-73). The purpose of the project is to reduce sedimentation runoff into the storm water basins by reducing erosion of internal basin slopes, erosion of adjacent slopes, and vegetating bare areas within the median or any areas identified within the Caltrans right-of-way as source contributors that drain into the basins. Areas along SR-73 will be revegetated with the proposed project. The project proposes to treat bare soil and eroded areas with low-impact developments such as drought-tolerant plants, native plants, and erosion control measures. Some areas will require engineer design recommendations for slope repair, grading, proposed concrete v-ditches, drainage issues, and maintenance safety concern. The proposed project is located in the Cities of Irvine, Laguna Beach, Aliso Viejo, and Laguna Niguel in Orange County, California. A map of the project location is attached.

Section 106 of the National Historic Preservation Act of 1966 (NHPA) requires that federal undertakings such as this consider the effect they may have on historic properties. These include properties of traditional religious and cultural significance to Indian tribes. Government-to-government relationships, as required by federal law, include the identification of an individual designated by an Indian Tribe for the purposes of consultation. If you are not the designated representative, please forward this information to the person who is responsible. Additionally, for the purposes of future consultation, please inform me who will handle consultation for your tribe.

To determine whether any historic properties may be affected by the project, LSA has conducted a records search at the South Central Coastal Information Center located at California State University, Fullerton, and is consulting with agencies such as the State Historic Preservation Officer and the Native American Heritage Commission (NAHC). The NAHC provided your contact information as someone who may have information about cultural resources within the project area.

If you know of any cultural resources that may be of religious and/or cultural significance to your community, or if you would like more information, please do not hesitate to contact me at the above telephone number or address, or by e-mail at terri.fulton@lsa-assoc.com. If I do not receive a response from you, I will contact you by telephone to discuss any comments or concerns you may have. Your time and involvement in this process is very much appreciated.

Best Regards,

LSA ASSOCIATES, INC.

Terri Fulton
Archaeologist/Senior Cultural Resources Manager
Native American Consultation

Attachment: United States Geological Survey (USGS) Map

11/18/08 «P:\CDT0807 - SR-73 Basins\Cultural\NA consultation\NA letter Merged.doc»

1

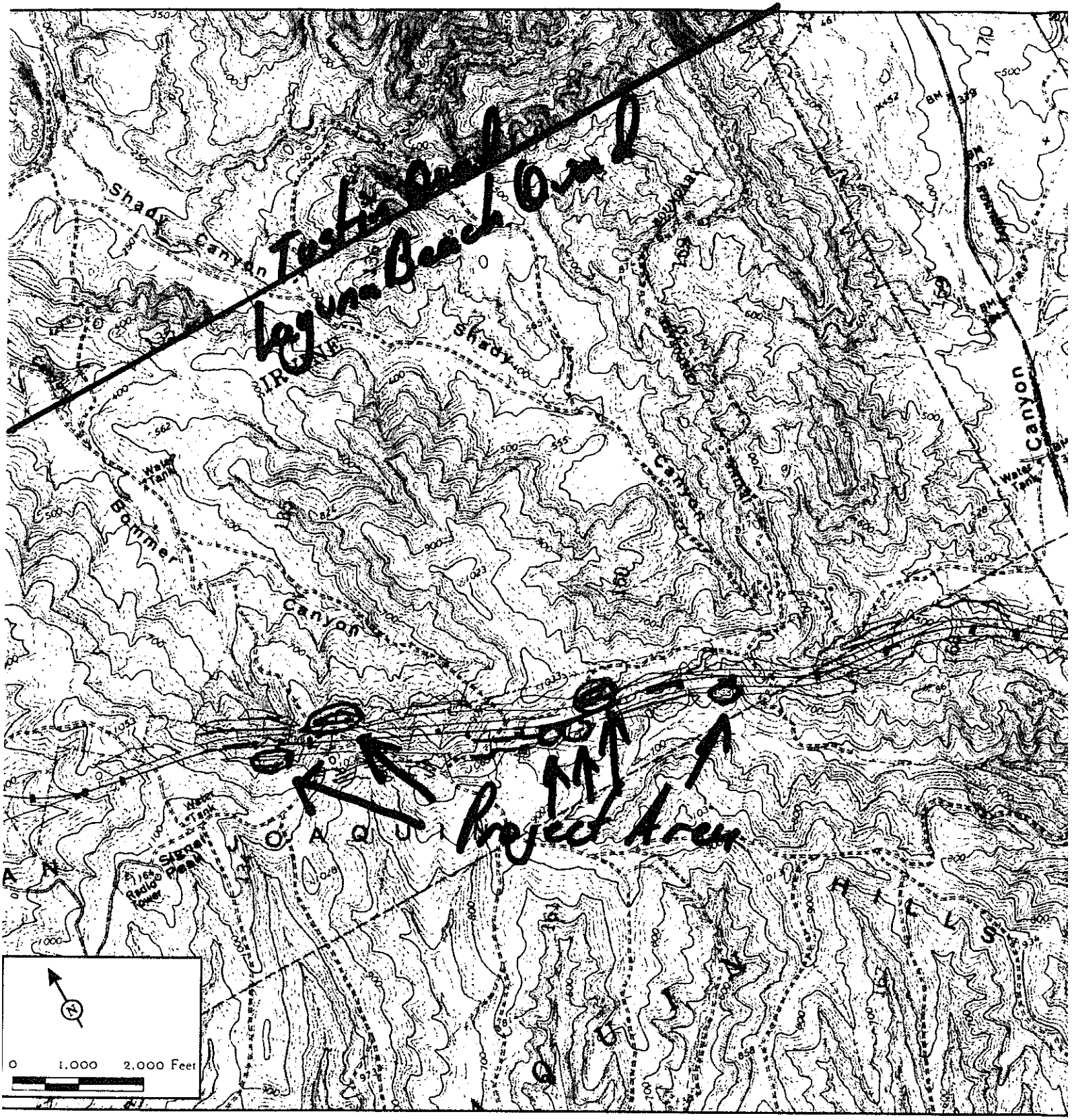
URCE: Air Photo USA (2008).

TDT0807 GIS Topo_field.mxd (11 11 2008)

FIGURE 1
Sheet 1 of 3

2

SR-73 Basin Sedimentation Project
Location Map



Erosion Control Blanket
Temporary Erosion Control BMP
Existing Drain Inlet and Drainline Flow
Saltbrush Scrub Revegetation
CSS Vegetation Mitigation
Grasses
CSS Revegetation Mitigation Within SJHTC ROW
Oak Revegetation
CSS Revegetation Outside Final SJHTC ROW Conserved Bo County of Orange
CSS Habitat Conserved Within Final SJHTC ROW
Planting W Irrigation
Gravel Access Road
Rip Rap Dissipation
Concrete V Ditches
Asphalt Concrete Curb
Chainlink Fence
Concrete Catchment Wall
Grading Work W Topsoil
Paving (Concrete Asphalt, Concrete)
CSS Preserved and Restore

3

) RCE Air Photo USA (2008).

CDT0807 GIS Topo field.mxd (11 11 2008)

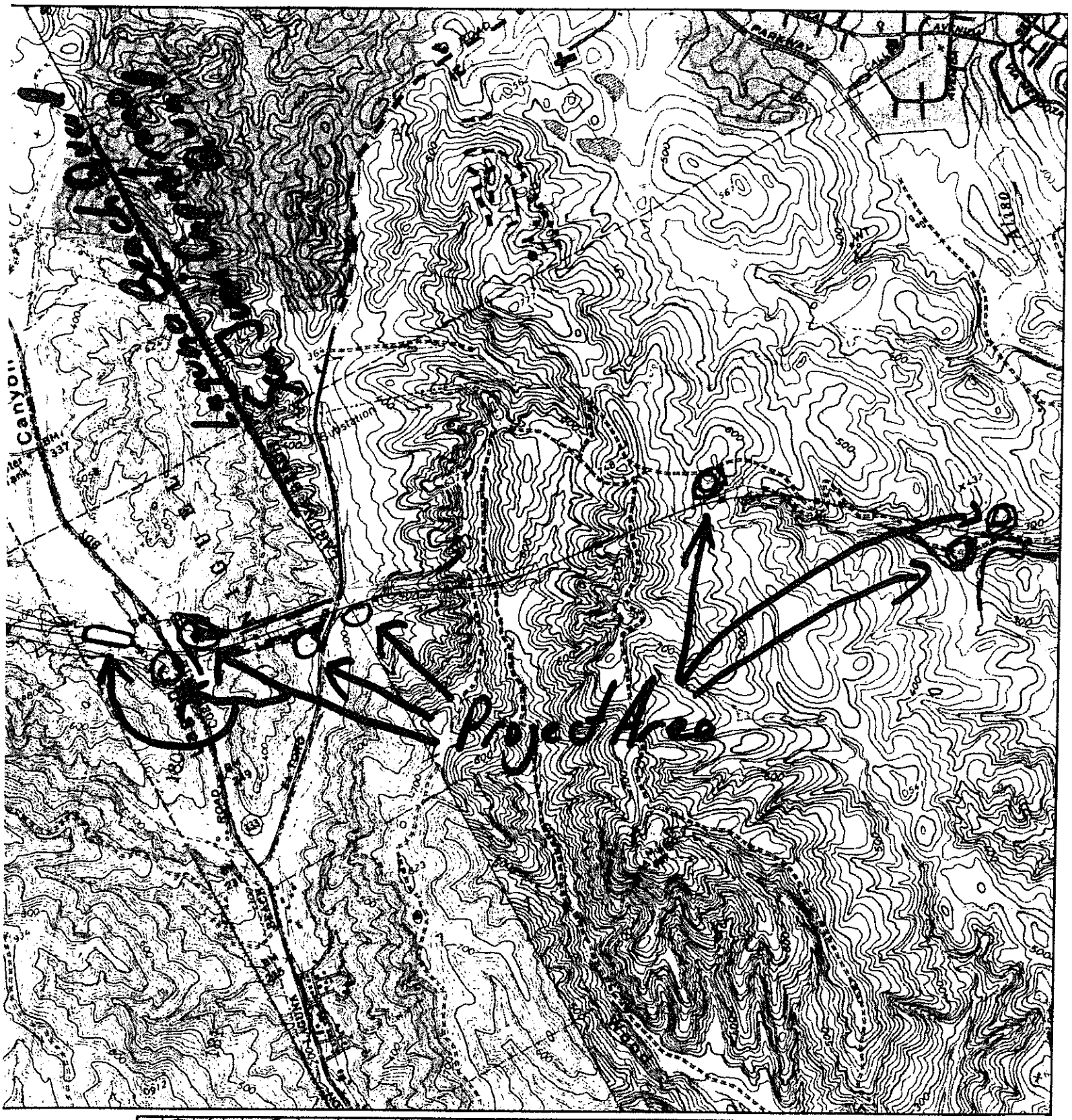
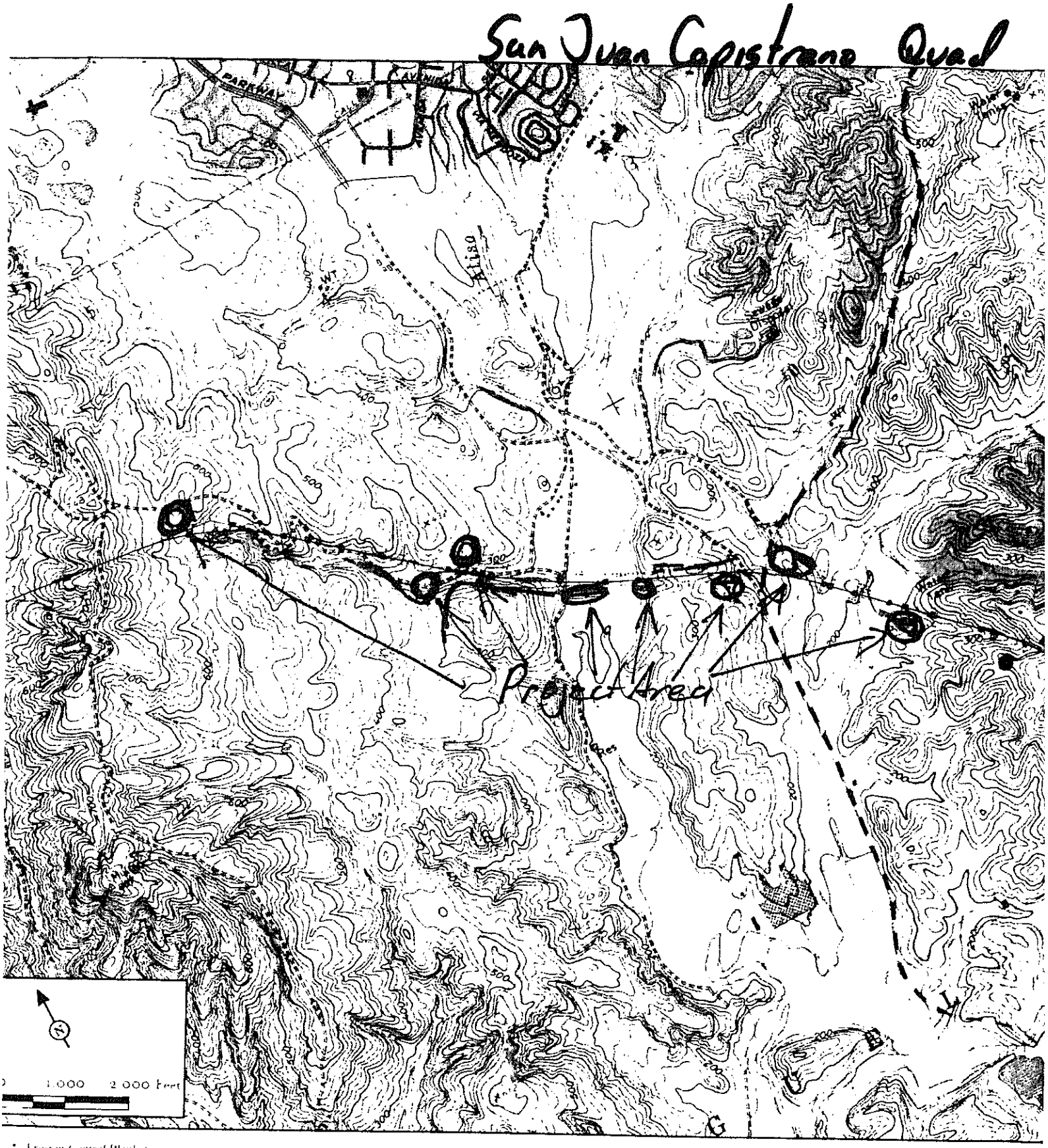


FIGURE 1
Sheet 2 of 3

4

SR-73 Basin Sedimentation Project

Location Map


San Juan Capistrano Quad
PARKWAY
Aliso
Project Area
1,000
2,000 Feet
Erosion Control Blanket
Temporary Erosion Control BMP
Oak Revegetation
Asphalt Concrete Curb
Chainlink Fence
Concrete Catchment Wall
Grading Work W Topsoil
5

San Juan Capistrano Quad

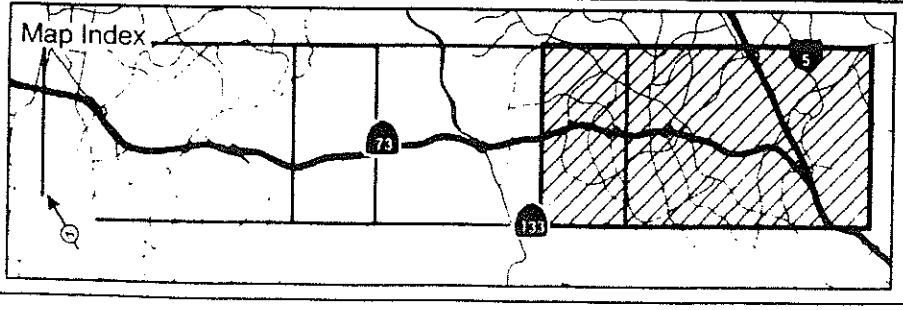


FIGURE 1
Sheet 3 of 3

6

SR-73 Basin Sedimentation Project

Location Map

Terri Fulton

From: Terri Fulton
Sent: Tuesday, December 16, 2008 1:50 PM
To: sonia.johnston@sbcglobal.net
Cc: Terri Fulton
Subject: SR 73 Basins project consultation

Hi Sonia,

I know you prefer email to calls, so I'm sending a follow up to a letter that was sent to you by certified mail from LSA on November 18, 2008. The letter is regarding the State Route 73 Basin Sedimentation Project. LSA is doing the cultural resources assessment for the project and helping Caltrans District 12 with the consultation. The text of the letter is below. There are sites in the project vicinity and two areas with human remains (one of which is a repatriation area) that will be fenced off and designated as Environmentally Sensitive Areas. There will be no disturbance to these two locations. Please let me know if the Tribe has comments or concerns with this project impacting cultural resources. Thank you!

Best Regards,

Terri Fulton
Archaeologist/Senior Cultural Resources Manager

LSA Associates, Inc.
20 Executive Park, Suite 200
Irvine, CA 92614-4731
Phone (949) 553-0666
Fax (949) 553-8076
Wireless (949) 337-5454
terri.fulton@lsa-assoc.com

Subject: Native American Consultation for the Proposed State Route 73 Basin Sedimentation Project, Cities of Laguna Beach, Aliso Viejo, and Laguna Niguel, Orange County, California (Task Order 11, EA OH440)

Dear Ms. Johnston:

The California Department of Transportation (Caltrans) and the Federal Highway Administration are proposing improvements to 38 basins located at various locations along State Route 73 (SR-73). The purpose of the project is to reduce sedimentation runoff into the storm water basins by reducing erosion of internal basin slopes, erosion of adjacent slopes, and vegetating bare areas within the median or any areas identified within the Caltrans right-of-way as source contributors that drain into the basins. Areas along SR-73 will be revegetated with the proposed project. The project proposes to treat bare soil and eroded areas with low-impact developments such as drought-tolerant plants, native plants, and erosion control measures. Some areas will require engineer design recommendations for slope repair, grading, proposed concrete v-ditches, drainage issues, and maintenance safety concern. The proposed project is located in the Cities of Irvine, Laguna Beach, Aliso Viejo, and Laguna Niguel in Orange County, California. A map of the project location is attached.

Section 106 of the National Historic Preservation Act of 1966 (NHPA) requires that federal undertakings such as this consider the effect they may have on historic properties. These include properties of traditional religious and cultural significance to Indian tribes. Government-to-government relationships, as required by federal law, include the identification of an individual designated by an Indian Tribe for the purposes of consultation. If you are not the designated representative, please forward this information to the person who is responsible. Additionally, for the purposes of future consultation, please inform me who will handle consultation for your tribe.

To determine whether any historic properties may be affected by the project, LSA has conducted a records search at the South Central Coastal Information Center located at California State University, Fullerton, and is consulting with agencies such as the State Historic Preservation Officer and the Native American Heritage Commission (NAHC). The NAHC provided your contact information as someone who may have information about cultural resources within the project area.

If you know of any cultural resources that may be of religious and/or cultural significance to your community, or if you would like more information, please do not hesitate to contact me at the above telephone number or address, or by e-mail at

terri.fulton@lsa-assoc.com. If I do not receive a response from you, I will contact you by telephone to discuss any comments or concerns you may have. Your time and involvement in this process is very much appreciated.

Best Regards,

LSA ASSOCIATES, INC.

Terri Fulton
Archaeologist/Senior Cultural Resources Manager
Native American Consultation

Attachment: United States Geological Survey (USGS) Maps

Terri Fulton

From: Terri Fulton
Sent: Friday, December 19, 2008 12:08 PM
To: alfredgcruz@sbcglobal.net
Cc: Terri Fulton
Subject: SR 73 Basins Project
Attachments: Proj_Loc.pdf

Hi Alfred,

I left you a voicemail about this project earlier, but I thought I'd follow up with an email as well. The text of the original letter LSA sent is pasted below, and a map of the project is attached. Please let me know if the you or the Tribe would like to comment on this project, or if you need anymore information. Thanks for your time, and hope your holiday season is going well!

Cheers,

Terri Fulton
Archaeologist/Senior Cultural Resources Manager
Native American Consultation

LSA Associates, Inc.
20 Executive Park, Suite 200
Irvine, CA 92614-4731
Phone (949) 553-0666
Fax (949) 553-8076
Wireless (949) 337-5454
terri.fulton@lsa-assoc.com

Dear Mr. Cruz:

The California Department of Transportation (Caltrans) and the Federal Highway Administration are proposing improvements to 38 basins located at various locations along State Route 73 (SR-73). The purpose of the project is to reduce sedimentation runoff into the storm water basins by reducing erosion of internal basin slopes, erosion of adjacent slopes, and vegetating bare areas within the median or any areas identified within the Caltrans right-of-way as source contributors that drain into the basins. Areas along SR-73 will be revegetated with the proposed project. The project proposes to treat bare soil and eroded areas with low-impact developments such as drought-tolerant plants, native plants, and erosion control measures. Some areas will require engineer design recommendations for slope repair, grading, proposed concrete v-ditches, drainage issues, and maintenance safety concern. The proposed project is located in the Cities of Irvine, Laguna Beach, Aliso Viejo, and Laguna Niguel in Orange County, California. A map of the project location is attached.

Section 106 of the National Historic Preservation Act of 1966 (NHPA) requires that federal undertakings such as this consider the effect they may have on historic properties. These include properties of traditional religious and cultural significance to Indian tribes. Government-to-government relationships, as required by federal law, include the identification of an individual designated by an Indian Tribe for the purposes of consultation. If you are not the designated representative, please forward this information to the person who is responsible. Additionally, for the purposes of future consultation, please inform me who will handle consultation for your tribe.

To determine whether any historic properties may be affected by the project, LSA has conducted a records search at the South Central Coastal Information Center located at California State University, Fullerton, and is consulting with agencies such as the State Historic Preservation Officer and the Native American Heritage Commission (NAHC). The NAHC provided your contact information as someone who may have information about cultural resources within the project area.

If you know of any cultural resources that may be of religious and/or cultural significance to your community, or if you would like more information, please do not hesitate to contact me at the above telephone number or address, or by e-mail at terri.fulton@lsa-assoc.com. If I do not receive a response from you, I will contact you by telephone to discuss any comments or concerns you may have. Your time and involvement in this process is very much appreciated.

Best Regards,

LSA ASSOCIATES, INC.

Terri Fulton
Archaeologist/Senior Cultural Resources Manager
Native American Consultation

Attachment: United States Geological Survey (USGS) Map

Terri Fulton

From: Terri Fulton
Sent: Friday, December 19, 2008 12:15 PM
To: bssepul@yahoo.net
Cc: Terri Fulton
Attachments: Proj_Loc.pdf

Hi Bud,

I tried to call you a little earlier but since there was no answer, I thought I'd follow up with an email. This is regarding the SR 73 Basin Sedimentation project. Hopefully you received a letter from LSA dated November 18, 2008 about this project. For your convenience I have pasted the text of the letter below, and attached a map of the project area. Please let me know if the you or the Tribe have any comments or concerns, or if you need anymore information. Thanks for your time, and Happy Holidays!

Cheers,

Terri Fulton
Archaeologist/Senior Cultural Resources Manager
Native American Consultation

LSA Associates, Inc.
20 Executive Park, Suite 200
Irvine, CA 92614-4731
Phone (949) 553-0666
Fax (949) 553-8076
Wireless (949) 337-5454
terri.fulton@lsa-assoc.com

Dear Mr. Sepulveda:

The California Department of Transportation (Caltrans) and the Federal Highway Administration are proposing improvements to 38 basins located at various locations along State Route 73 (SR-73). The purpose of the project is to reduce sedimentation runoff into the storm water basins by reducing erosion of internal basin slopes, erosion of adjacent slopes, and vegetating bare areas within the median or any areas identified within the Caltrans right-of-way as source contributors that drain into the basins. Areas along SR-73 will be revegetated with the proposed project. The project proposes to treat bare soil and eroded areas with low-impact developments such as drought-tolerant plants, native plants, and erosion control measures. Some areas will require engineer design recommendations for slope repair, grading, proposed concrete v-ditches, drainage issues, and maintenance safety concern. The proposed project is located in the Cities of Irvine, Laguna Beach, Aliso Viejo, and Laguna Niguel in Orange County, California. A map of the project location is attached.

Section 106 of the National Historic Preservation Act of 1966 (NHPA) requires that federal undertakings such as this consider the effect they may have on historic properties. These include properties of traditional religious and cultural significance to Indian tribes. Government-to-government relationships, as required by federal law, include the identification of an individual designated by an Indian Tribe for the purposes of consultation. If you are not the designated representative, please forward this information to the person who is responsible. Additionally, for the purposes of future consultation, please inform me who will handle consultation for your tribe.

To determine whether any historic properties may be affected by the project, LSA has conducted a records search at the South Central Coastal Information Center located at California State University, Fullerton, and is consulting with agencies such as the State Historic Preservation Officer and the Native American Heritage Commission (NAHC). The NAHC provided your contact information as someone who may have information about cultural resources within the project area.

If you know of any cultural resources that may be of religious and/or cultural significance to your community, or if you would like more information, please do not hesitate to contact me at the above telephone number or address, or by e-mail at terri.fulton@lsa-assoc.com. If I do not receive a response from you, I will contact you by telephone to discuss any comments or concerns you may have. Your time and involvement in this process is very much appreciated.

Best Regards,

LSA ASSOCIATES, INC.

Terri Fulton
Archaeologist/Senior Cultural Resources Manager
Native American Consultation

Attachment: United States Geological Survey (USGS) Map

Terri Fulton

From: SAV_Gateway@lsa-assoc.com
Sent: Saturday, December 20, 2008 12:23 PM
To: Terri Fulton
Subject: Returned mail

Attachments: ATT18272.txt; Untitled Attachment


ATT18272.txt (381 B) Untitled Attachment

--- The message cannot be delivered to the following address. ---

bssepul@yahoo.net Could not deliver in a reasonable time.

Terri Fulton

From: Terri Fulton
Sent: Monday, December 22, 2008 12:32 PM
To: bsepul@yahoo.net
Cc: Terri Fulton
Subject: FW: SR 73 Basin Sedimentation Project

Hi Bud,

I left you a voice mail earlier about this project. I also sent this email last week but it was returned because of a typo. Sorry! Please let me know if you need anymore information or if you have any concerns about this project impacting cultural resources. Thanks again!

Best,

Terri

From: Terri Fulton
Sent: Friday, December 19, 2008 12:15 PM
To: bssepul@yahoo.net
Cc: Terri Fulton
Subject:

Hi Bud,

I tried to call you a little earlier but since there was no answer, I thought I'd follow up with an email. This is regarding the SR 73 Basin Sedimentation project. Hopefully you received a letter from LSA dated November 18, 2008 about this project. For your convenience I have pasted the text of the letter below, and attached a map of the project area. Please let me know if the you or the Tribe have any comments or concerns, or if you need anymore information. Thanks for your time, and Happy Holidays!

Cheers,

Terri Fulton
Archaeologist/Senior Cultural Resources Manager
Native American Consultation

LSA Associates, Inc.
20 Executive Park, Suite 200
Irvine, CA 92614-4731
Phone (949) 553-0666
Fax (949) 553-8076
Wireless (949) 337-5454
terri.fulton@lsa-assoc.com

Dear Mr. Sepulveda:

The California Department of Transportation (Caltrans) and the Federal Highway Administration are proposing improvements to 38 basins located at various locations along State Route 73 (SR-73). The purpose of the project is to reduce sedimentation runoff into the storm water basins by reducing erosion of internal basin slopes, erosion of adjacent slopes, and vegetating bare areas within the median or any areas identified within the Caltrans right-of-way as source contributors that drain into the basins. Areas along SR-73 will be revegetated with the proposed project. The project proposes to treat bare soil and eroded areas with low-impact developments such as drought-tolerant plants, native plants, and erosion control measures. Some areas will require engineer design recommendations for slope repair, grading, proposed concrete v-ditches, drainage issues, and maintenance safety concern. The proposed project is located in the Cities of Irvine, Laguna Beach, Aliso Viejo, and Laguna Niguel in Orange County, California. A map of the project location is attached.

Section 106 of the National Historic Preservation Act of 1966 (NHPA) requires that federal undertakings such as this consider the effect they may have on historic properties. These include properties of traditional religious and cultural significance to Indian tribes. Government-to-government relationships, as required by federal law, include the identification of an individual designated by an Indian Tribe for the purposes of consultation. If you are not the designated representative, please forward this information to the person who is responsible. Additionally, for the purposes of future consultation, please inform me who will handle consultation for your tribe.

To determine whether any historic properties may be affected by the project, LSA has conducted a records search at the South Central Coastal Information Center located at California State University, Fullerton, and is consulting with agencies such as the State Historic Preservation Officer and the Native American Heritage Commission (NAHC). The NAHC provided your contact information as someone who may have information about cultural resources within the project area.

If you know of any cultural resources that may be of religious and/or cultural significance to your community, or if you would like more information, please do not hesitate to contact me at the above telephone number or address, or by e-mail at terri.fulton@lsa-assoc.com. If I do not receive a response from you, I will contact you by telephone to discuss any comments or concerns you may have. Your time and involvement in this process is very much appreciated.

Best Regards,

LSA ASSOCIATES, INC.

Terri Fulton
Archaeologist/Senior Cultural Resources Manager
Native American Consultation

Attachment: United States Geological Survey (USGS) Map

ATTACHMENT D

ROUTE 73 STORM WATER MITIGATION & SLOPE STABILITY EA 0H4400 PRELIMINARY 09/05/08 DESCRIPTION OF PROPOSED WORK WITHIN BASINS, PERIMETER SLOPES AND ADJACENT SLOPES

Route 73 Storm Water Mitigation & Slope Stability
EA 0H4400
Preliminary 09/05/08

Description of Proposed Work Within Basins, Perimeter Slopes and Adjacent Slopes

Basin 457L (Sheet 1 of 51)
Improve the vegetation around the perimeter and adjacent slopes with drought tolerant plants, native plants and erosion control blanket to reduce areas with exposed soil. Add a new gravel access road with a concrete apron to keep vehicles from tracking gravel onto the roadway. A new fence with an access gate will be added to prevent trespassing or illegal dumping. A concrete v-ditch with rip rap dissipatation will be constructed to divert water runoff to the basin and prevent sedimentation from running off onto private access road or concrete channel. Temporary Erosion Control such as fiber rolls will be added where feasible. (See conceptual plans).

(Sheet 2 of 51) – Source control SB - add vegetation on bare slopes.

(Sheet 3 of 51) – Source control SB – add vegetation on bare slopes.

Basin 506R (Sheet 4 of 51)
Propose to add erosion control blanket on the basin slopes and a grass mix at the bottom. The perimeter slope a concrete v-ditch will be constructed at the toe of slope. Add gravel at the round-a-bout area of the existing access road. Fiber rolls will be lined along the proposed and existing concrete v-ditches. The median at this location is a downhill area. Erosion control will be added to bare areas of the median. Turf block, rip rap and fiber roll will be installed around drain inlet (N4) to help slow down water and prevent further erosion and scouring. Add planting to source control bare slopes.

(Sheet 5 of 51)
The median area fiber rolls will be added around Inlet (N5) and (N6). Improve vegetation at Greenfield Ave. northbound on ramp with drought tolerant plants, native plants and erosion control blanket to reduce areas with exposed soil. Add gravel for median turn-around access road.

Basin 535L (Sheet 6 of 51)
Proposing to add a grass mix at the bottom of the basin. Construct a concrete base around the drain outlet. Improve vegetation with drought tolerant plants, native plants and erosion control blanket at the perimeter slopes or adjacent slopes that feed basin 535L. Add fiber rolls along the v-ditch to prevent sedimentation from collecting into v-ditches. The median area has vegetation coverage. Add fiber roll around inlet (N7). Improve vegetation at Greenfield Ave. northbound on ramp slopes with drought tolerant plants, native plants and erosion control blanket to reduce areas with exposed soil.

NOTE: Permanent or temporary irrigation will be installed on the all basin perimeter slopes and adjacent slopes where vegetation improvement are being proposed for plants to establish.

Description of Proposed Work Within Basins, Perimeter Slopes and Adjacent Slopes

(Sheet 7 of 51)
The median area erosion control will be added to bare areas. Turf block will be installed around inlet (N9), (N10), and (N11) to prevent further erosion and scouring. Fiber rolls will be added around inlets (N9) (N10) and (N11). Perform minor grading to reduce pudding and nuisance water at the median. North bound adjacent source control bare slopes we are adding drought tolerant, native plants and erosion control with fiber rolls at the toe of slope.

(Sheet 8 of 51) (Drains to basin 583L)
The existing bio-swale in the median area is well vegetated. Turf block will be installed round the outside of the concrete base for inlet (N12) to further prevent erosion and scouring. Rip rap and turf block will be installed around the outside of the concrete base for inlet (N13) and (N14) to help slow down the water and prevent further erosion and scouring. Fiber rolls will be added around each inlet as an extra temporary erosion control measure. Add gravel for median turn-around access road.

Basin 583L (Sheet 9 of 51)
Perform minor slope grading to reduce puddles and nuisance water. Improve the vegetation coverage on the basin slopes with drought tolerant plants, native plants and erosion control blanket to reduce sedimentation. Add grass mix to the bottom of the basin. Install fiber rolls at the toe of basin slopes. Extend access road with gravel base. The median vegetation is in good condition. At inlet (N15) turf block and rip rap will be installed around the concrete base of the inlet to slow down the water and prevent further erosions and scouring and provide turf block at inlet (N16), (N17), and (N18). The north side of Moulton Parkway Bridge a grass mix will be added in the median. Fiber rolls will be place around drain inlets. Add gravel for median turn-around access road near (N15) and (N18).

Basin 604R (Sheet 10 of 51)
Improve the vegetation with drought tolerant plants, native plants and erosion control blanket in a section of the basin slope and on the adjacent slopes. A grass mix will be added to the bottom of the basin. Fiber rolls will be added at the toe of slope and around drain inlets. Restore gravel access road. In the median, minor grading and turf block will be added to (N19) and turf block will also be added to (N20). Fiber rolls will be place around drain inlets.

Basin 613L (Sheet 11 of 51)
Improve vegetation on the basin slope and adjacent slope with drought tolerant plants, native plants and erosion control blanket to reduce sedimentation. Add a grass mix at the bottom of the basin. Extend and restore existing access road with gravel. Add paving to the gore area at La Paz Road. Add gravel for median turn-around access road. Add erosion control to bare areas in median.

NOTE: Permanent or temporary irrigation will be installed on the all basin perimeter slopes and adjacent slopes where vegetation improvement are being proposed for plants to establish.

Route 73 Storm Water Mitigation & Slope Stability
EA 0H4400
Preliminary 09/05/08

Description of Proposed Work Within Basins, Perimeter Slopes and Adjacent Slopes

Basin 630L (Sheet 12 of 51)
Improve vegetation on the basin slope with drought tolerant plants, native plants and erosion control blanket. Add fiber roll at the toe of slope. In the median, add seeding between La Paz Road to Alicia Parkway and near (N23). Add fiber rolls around the drain inlet. Add vegetation to source control bare slopes. (Sheet 1 & Sheet 12)

Basin 635L (Sheet 12 of 51)
Improve vegetation on the basin slope with drought tolerant plants, native plants and erosion control blanket. Add a grass mix at the bottom of the basin. Install a gravel access road. Fiber rolls will be placed around drain inlet and at the toe of slope. Add erosion control to median between access road and drain inlet (N23).

Sheet 13 of 51
Adjacent slopes to basin 635L are a sedimentation source. These slopes will be treated with drought tolerant plants, native plants and erosion control blanket. Fiber rolls will be added to the toe of slope. In the median area an asphalt curb, a concrete v-ditch and seeding may be considered at this location however, further field investigation is needed. Fiber rolls will be placed around drain inlet. In the median, add erosion control where there are bare soils to prevent erosions in the bio-swale.

Basin 654R (Sheet 14 of 51)
Improve vegetation within a section of the basin slope and adjacent source slopes with drought tolerant plants, native plants and erosion control blanket. In the median, between (N25) to (N27), add heavy duty erosion control blankets. Add fiber rolls to the toe of slopes.

Basin 659L (Sheet 15 of 51)
Improve vegetation within the basin slope and adjacent slopes that are a source of sedimentation with drought tolerant plants, native plants and erosion control blanket. In the median, add erosion control where there are bare soils to prevent erosions in the bio-swale. Add rip rap at northern slope of drain inlet (N28). Fiber rolls will be added to the toe of slopes and drain inlets within the median or where feasible.

Sheet 16 of 51
In the median, add erosion control where there are bare soils to prevent erosions in the bio-swale. Fiber rolls will line the concrete v-ditch and around drain inlets. Add gravel for median turn-around access road.

NOTE: Permanent or temporary irrigation will be installed on the all basin perimeter slopes and adjacent slopes where vegetation improvement are being proposed for plants to establish.

Description of Proposed Work Within Basins, Perimeter Slopes and Adjacent Slopes

Sheet 17 of 51
The median area erosion control will be added to bare areas. Turf block will be installed around inlet (N30) to prevent further erosion and scouring. Add fiber roll around inlet (N30) and (N31). Slopes along the northbound, add erosion control blanket to prevent sedimentation into V-ditches at the toe of slope.

Basin 696R (Sheet 18 of 51)
Improve vegetation within the basin slope and adjacent slopes that are a source of sedimentation with drought tolerant plants, native plants and erosion control blanket. Add gravel to access road. Place fiber roll at the toe of slope and basin drain outlets. Bio-swale within the median is in good condition. Turf block and fiber rolls will be installed around the concrete base of inlet (N32) to prevent further erosion and scouring. Add gravel for median turn-around access road near (N32) and under Glenwood Avenue Bridge.

Basin 765L (Sheet 19 of 51)
No work within this basin. Proposed work will be to improve vegetation at adjacent slopes that are a source of sedimentation with drought tolerant plants, native plants and erosion control blanket. No concrete v-ditch and seeding will be needed at this location. An asphalt concrete curb will be constructed along the toe of slope. Fiber rolls will be lined along existing concrete v-ditch. Add fence and gate.

Basin 780R (Sheet 20 of 51)
Improve vegetation within the basin slope and adjacent slopes that are a source of sedimentation with drought tolerant plants, native plants and erosion control blanket. Add a grass mix at the bottom of the basin. Repair slope and add catchment wall along the northbound Laguna Canyon Road exit (0.5 acre of impact in Coastal Sage Scrub vegetation area). Line existing concrete v-ditch and toe of slopes with fiber rolls. Add paving at the gore area. The bio-swale within the median is in good condition. Add gravel for median turn-around access road. Clean out cattail in concrete v-ditch. Add retaining wall at toe of excavated slope.

Basin 785L (Sheet 21 of 51)
Improve vegetation within the basin slope and adjacent slopes that are a source of sedimentation with drought tolerant plants, native plants and erosion control blanket. Add a grass mix at the bottom of the basin. Construct paving and gravel access. Add fencing with access gate. Add fiber rolls around inlet and toe of slope.

Basin 789L (Sheet 21 of 51)
There is a safety concern with maintenance access. Design Engineer will provided design alternatives during the Project Report phase. Add a grass mix at the bottom of the basin Replenish gravel access and clean outlet filters. Place fiber rolls around inlet.

NOTE: Permanent or temporary irrigation will be installed on the all basin perimeter slopes and adjacent slopes where vegetation improvement are being proposed for plants to establish.

Description of Proposed Work Within Basins, Perimeter Slopes and Adjacent Slopes

Basin 808R (Sheet 22 of 51) – Clean and repair median drain inlets.

Sheet 23 of 51
Median is well vegetated. Turf block will be installed around inlet (N42). Rip rap will be repaired around (N41) and (N42). Place fiber rolls around inlet.

Sheet 24 of 51
With in the median no erosion control seeding is needed. Turf block and rip rap will be installed around inlet (N40).

Sheet 25 of 51
With in the median no erosion control seeding is needed. Turf block and rip rap will be installed around inlet (N3). Repair A.C. paving.

Basin 859L (Sheet 26 of 51)
Add grass mix to the bottom of the basin. Add grass mix to the bottom of the basin. Turf block and rip rap will be installed around inlet (S37) and (S38). Fiber rolls will also be placed at the toe-of-slope to prevent sediment deposit in the existing v-ditches. Place fiber rolls around inlet.

Basin 878R (Sheet 27 of 51)
Improve vegetation within the basin slope and adjacent slopes that are a source of sedimentation with drought tolerant plants, native plants and erosion control blanket. Add v-ditches at the north side of the basin slope to carry storm water in the basin. The proposed work will impact 0.07 acre of CSS vegetation area. Add asphalt apron entry and gravel access road. Add asphalt concrete curb to prevent scour from roadway drain. Place fiber roll at the toe of slope and basin drain inlets. Bio-swale within the median is in good condition. No seeding is needed at the median. Erosion control blanket and fiber rolls will be installed around the concrete base of inlet (N36 & N35) to prevent further erosion and scouring. Fiber rolls will also be placed at the toe-of-slope to prevent sediment deposit in the existing v-ditches.

Basin 883L (Sheet 27 of 51)
Add grass mix to the bottom of the basin. Construct asphalt apron entry and apply gravel to the eastern portion of the access road.

Sheet 28 of 51
Median is well vegetated. In the median, add erosion control where there are bare soils to prevent erosions in the bio-swale. Erosion control blanket and fiber rolls will be installed around inlet (S35). Add fiber rolls at the toe-of-slope of the median drain.

NOTE: Permanent or temporary irrigation will be installed on the all basin perimeter slopes and adjacent slopes where vegetation improvement are being proposed for plants to establish.

Description of Proposed Work Within Basins, Perimeter Slopes and Adjacent Slopes

Basin 893L (Sheet 28 of 51)
Improve vegetation with drought tolerant plants, native plants and erosion control blanket along the northern slope (next to roadway) and slopes adjacent to toll parking lot. And add fiber rolls at the toe-of-slope. Add grass mix to the bottom of the basin. Construct asphalt apron entry and apply gravel to access road. No seeding, v-ditches, and fiber rolls are needed in the median. Erosion control blanket and fiber rolls will be installed around inlet (S00).

Sheet 29 of 51 – Erosion control bare areas in the median between the northbound mainline and toll booths.

Basin 922R (Sheet 30 of 51)
Improve vegetation with drought tolerant plants, native plants and erosion control blanket along the v-ditches at slope near bridge slope. And add fiber rolls at the toe-of-slope. Apply gravel to access road near the v-ditches area. Add grass mix to the bottom of the basin and erosion control blanket at the inner slope of the basins. Re-grade, clean rip rap and add fiber rolls at drain inlet (S33 & S32). Add two access gates.

Sheet 31 of 51 – no proposed work.

Sheet 31-36 of 51
The median is well vegetated. Installed rip rap around inlet (S30 & S28). Remove approximately 20 feet of existing v-ditched and apply rip rap dissipitation at inlet S27. Improve vegetation with drought tolerant plants, native plants, and erosion control blanket at the northern source slope of the highway to cover exposed eroded soil. Add gravel for median turn-around access road near inlet (S26).

Sheet 35 of 51 – Repair and improve drainage swale to reduce erosion, repair and stabilize slope and drainage ditches below both sides of wildlife crossing.

Sheet 36 of 51
Clean and remove sediment at inlet (S22 & S21) and installed rip rap around inlet. Improve vegetation with drought tolerant plants, native plants and erosion and control blanket in area between mainline and off ramp. And add fiber rolls at the toe and top of slope.

Basin 1032L (Sheet 37 of 51)
Apply gravel for maintenance access road. Improve vegetation with drought tolerant plants, native plants, erosion control blanket, and fine grading at the receiving basin west of basin 1032L. And add fiber rolls at the toe-of-slope. Add grass mix to the bottom of the basin and erosion control blanket at the inner slope of the basins.

NOTE: Permanent or temporary irrigation will be installed on the all basin perimeter slopes and adjacent slopes where vegetation improvement are being proposed for plants to establish.

Description of Proposed Work Within Basins, Perimeter Slopes and Adjacent Slopes

Basin 1032L (Sheet 37 of 51)
Improve vegetation with drought tolerant plants, native plants and erosion control blanket. And add fiber rolls at the toe and top of slope. Add grass mix to the bottom of the basin and erosion control blanket at the inner and outer slope of the basins. Proposed to improve the basin slope with minor grading.

Sheet 37 of 51
Continue V-ditches in median on northbound from existing location to the last inlet before Newport Coast Drive. Median is well vegetated. However, erosion control seeding will be needed between inlet (S20) and (S19). Add erosion control blanket at inlet (S19). Improve vegetation perimeter slopes with temporary irrigation system.

Basin 1032R (Sheet 38 of 51)
Improve vegetation around the perimeter and adjacent slopes with drought tolerant plants, native plants and erosion control blanket. Provide temporary irrigation for watering to establish planting. Install fiber roll around perimeter slopes, toe of slopes and drain inlets. Add seeding at the bottom of basin. The median area is well vegetated. Add erosion control blanket at the inner slope and outer slope of the basins. Protect drain inlet with fiber rolls. Install catchments wall at the toe of slope of the loop on-ramp.

Sheet 39 of 51
In the median area, clean and add erosion control blanket around drain inlet (S16) and (S17) and seed around drain inlet. The existing vegetation is in good condition.

Sheet 40 of 51
The existing vegetation is in good condition. Where there is loose soil apply erosion control blanket. Fiber rolls will be installed around drain inlet.

Basin 1075L (Sheet 41 of 51)
In the basin, minor slope repair and improve vegetation with drought tolerant plants, native plants and erosion control blanket. Add grass mix to the bottom of the basin. Fiber rolls will be installed at the toe of slopes. Replenish access road with gravel.

Basin 1081L (Sheet 41 of 51)
Improve vegetation in the basin and adjacent areas with drought tolerant plants, native plants and erosion control blanket. Add grass mix to the bottom of the basin. Replenish access road with gravel and construct a concrete paving apron. Fiber rolls will be added at the toe of slope and around drain inlets.

NOTE: Permanent or temporary irrigation will be installed on the all basin perimeter slopes and adjacent slopes where vegetation improvement are being proposed for plants to establish.

Description of Proposed Work Within Basins, Perimeter Slopes and Adjacent Slopes

Basin 1085L (Sheet 41 of 51)
Improve vegetation at the adjacent slope with drought tolerant plants, native plants and erosion control blanket. Replenish gravel access road. Fiber rolls will be added to the toe of slope.

Basin 1076R (Sheet 41 of 51)
Improve vegetation in the basin and adjacent areas with drought tolerant plants, native plants and erosion control blanket. Add grass mix to the bottom of the basin. Replenish access road with gravel and construct a concrete paving apron. Fiber rolls will be added at the toe of slope and around drain inlets.

Basin 1080R (Sheet 41 of 51)
Improve vegetation in the basin and adjacent areas with drought tolerant plants, native plants and erosion control blanket. Replenish access road with gravel. Fiber rolls will be added at the toe of slope and around drain inlets. Drain inlet (N68) add erosion control blanket around the concrete base. Turf block will be installed around drain inlet (N67). In the media area, where there is loose soil apply erosion control blanket with hydroseed.

Sheet 42 of 51
Install turf block around drain inlet (S14) concrete base. In the median area, where there is loose soil apply erosion control blanket with hydroseed.

Sheet 43 of 51
In the median area, where there is loose soil apply erosion control blanket with hydroseed. Install turf block and rip rap round drain inlet (S13). Add fiber roll to drain inlets (S12).

Sheet 44 of 51
In the median area, where there is loose soil apply erosion control blanket with seedlings. Install filter fabric and rip rap to drain inlet (S11). Fiber rolls will be installed around drain inlet.

Basin 1133L (Sheet 45 of 51)
Proposing to improve the basin slope with minor grading and add erosion control blanket. Hydro-seed the bottom of the basin. Improve vegetation on the perimeter and adjacent slopes with drought tolerant plant or native plants and erosion control blanket. Add fiber rolls at the toe of slopes. Along the mainline adjacent from the basin, add asphalt concrete curb. Replenish access road with gravel.

NOTE: Permanent or temporary irrigation will be installed on the all basin perimeter slopes and adjacent slopes where vegetation improvement are being proposed for plants to establish.

Route 73 Storm Water Mitigation & Slope Stability
EA 0H4400
Preliminary 09/05/08

Description of Proposed Work Within Basins, Perimeter Slopes and Adjacent Slopes

Basin 1137L (Sheet 45 of 51)
Improve vegetation on the perimeter slope with drought tolerant plant or native plants and erosion control blanket. Add fiber rolls at the toe of slopes. Hydro-seed the basin slope and basin bottom. Replenish access road with gravel. Install fiber roll and turf block around drain inlet (S9A).

Basin 1143L (Sheet 46 of 51)
Install erosion control blanket on the basin slope and hydro-seed basin bottom. Improve vegetation on adjacent slopes with drought tolerant or native plant and erosion control blanket. Provide temporary irrigation to establish planting. Fill in bare area of the access road with gravel. Add rip rap around drain inlet.

Basin 1151L (Sheet 46 of 51)
Propose minor grading to prevent further standing water within the basin. Hydro-seed the bottom of the basin and erosion control blanket on disturbed areas of the basin. Clean up and re-gravel the access road. Improve vegetation on adjacent slopes with drought tolerant plant or native plants and erosion control blanket. Add fiber rolls at the toe of slopes.

Basin 1156R (Sheet 46 of 51)
Propose minor grading to prevent further standing water within the basin. Hydro-seed the bottom of the basin and erosion control blanket on disturbed areas of the basin. Clean up and re-gravel the access road to the adjacent basin 1148R. Redesign a section of the existing concrete v-ditch to resolve standing water issue. Improve vegetation on adjacent slopes with drought tolerant plant or native plants and erosion control blanket. Add fiber rolls at the toe of slopes and drain inlets.

Basin 1149L (Sheet 47 of 51)
Improve existing vegetation on the basin slope with drought tolerant or native plants and erosion control blanket. Restore bare areas of the adjacent slopes with erosion control blanket. Replenish the existing access road with gravel.

Sheet 48 of 51
Improve existing vegetation on the adjacent slope to basin 1156R with drought tolerant or native plants and erosion control blanket. Add fiber roll around drain inlets. (Existing AC dike for your information)

NOTE: Permanent or temporary irrigation will be installed on the all basin perimeter slopes and adjacent slopes where vegetation improvement are being proposed for plants to establish.

Description of Proposed Work Within Basins, Perimeter Slopes and Adjacent Slopes

Basin 1180R (Sheet 49 of 51)
Improve existing vegetation on the perimeter slopes with drought tolerant or native plants with erosion control blanket. Add fiber roll to the toe of slopes and around drain inlets. Adjacent basins/slopes are a north source of sedimentation and will be treated with drought tolerant or native plants, erosion control blanket and gravel to the existing dirt access road. Provide catchment wall along access road where steep cut creates erosion.

Basin 1183L (Sheet 50 of 51)
Erosion control blanket will be applied to the inner basin slope. Hydro-seed will be applied to the bottom of the basin. The perimeter slope will be planted with drought tolerant or native plants.

Basin 1194R (Sheet 51 of 51)
Erosion control blanket will be applied to the basin slopes and adjacent slopes. Hydro-seed will be applied to the bottom of the basin. The perimeter slope will be planted with drought tolerant or native plants. Fiber roll will be added to the toe of slope and drain inlets. Add gravel to access road. Existing vegetation in the median is in good condition.

NOTE: Permanent or temporary irrigation will be installed on the all basin perimeter slopes and adjacent slopes where vegetation improvement are being proposed for plants to establish.

ATTACHMENT E

DEPARTMENT OF PARKS AND RECREATION SERIES 523 FORMS

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

CONTINUATION SHEET

Primary # 30-000218
HRI#
Trinomial CA-ORA-218

Page 1 of 1 *Resource Name or # (Assigned by recorder)

*Recorded by: P. Fulton *Date: 12/22/2008 ☐ Continuation ☒ Update

Site 30-000218 is plotted extending from the northbound off- and on-ramps for Bison Avenue and extending eastward onto the University of California, Irvine. The site has been completely destroyed by construction of State Route (SR-73) and Bison Avenue and development associated with the University of California, Irvine.

Overview to the northwest of the location of Site 30-000218 from the shoulder of the northbound SR-73 off-ramp to Bison Avenue.

University of California

MAPPED

ARCHAEOLOGICAL SITE SURVEY RECORD

1. Site Ora-218 2. Map USGS Tustin Quad. 3. County Orange

4. Twp. 6 S Range 9 W; NE¼ 1/4 of NE¼ 1/4 of Sec. 57

5. Location About 700' N of Bonita Canyon Rd. and 50' above road. 1/2 mile E of junction of MacArthur and Bonita Canyon roads.

6. On contour elevation 120'

7. Previous designations for site none known

8. Owner UCI 9. Address Irvine, Calif.

10. Previous owners, dates Irvine Co.

11. Present tenant UCI undeveloped land

12. Attitude toward excavation favorable

13. Description of site small shell midden on crest of low north-south ridge slanting approx. 120' to south and terminating at Bonita Creek

14. Area 90' NS, 105' EW 15. Depth apparently shallow 16. Height

17. Vegetation wild radish, mustard, saltgrass, deerweed, toloache, filaree 18. Nearest water Bonita Creek 1/4 mile south

19. Soil of site sandy loam, dark 20. Surrounding soil type light sandy loam

21. Previous excavation none

22. Cultivation cattle land 23. Erosion none

24. Buildings, roads, etc. Bonita Canyon road

25. Possibility of destruction will be destroyed by UCI building program in future

26. House pits none

27. Other features shells: pecten, chione, calcined and sparse

28. Burials

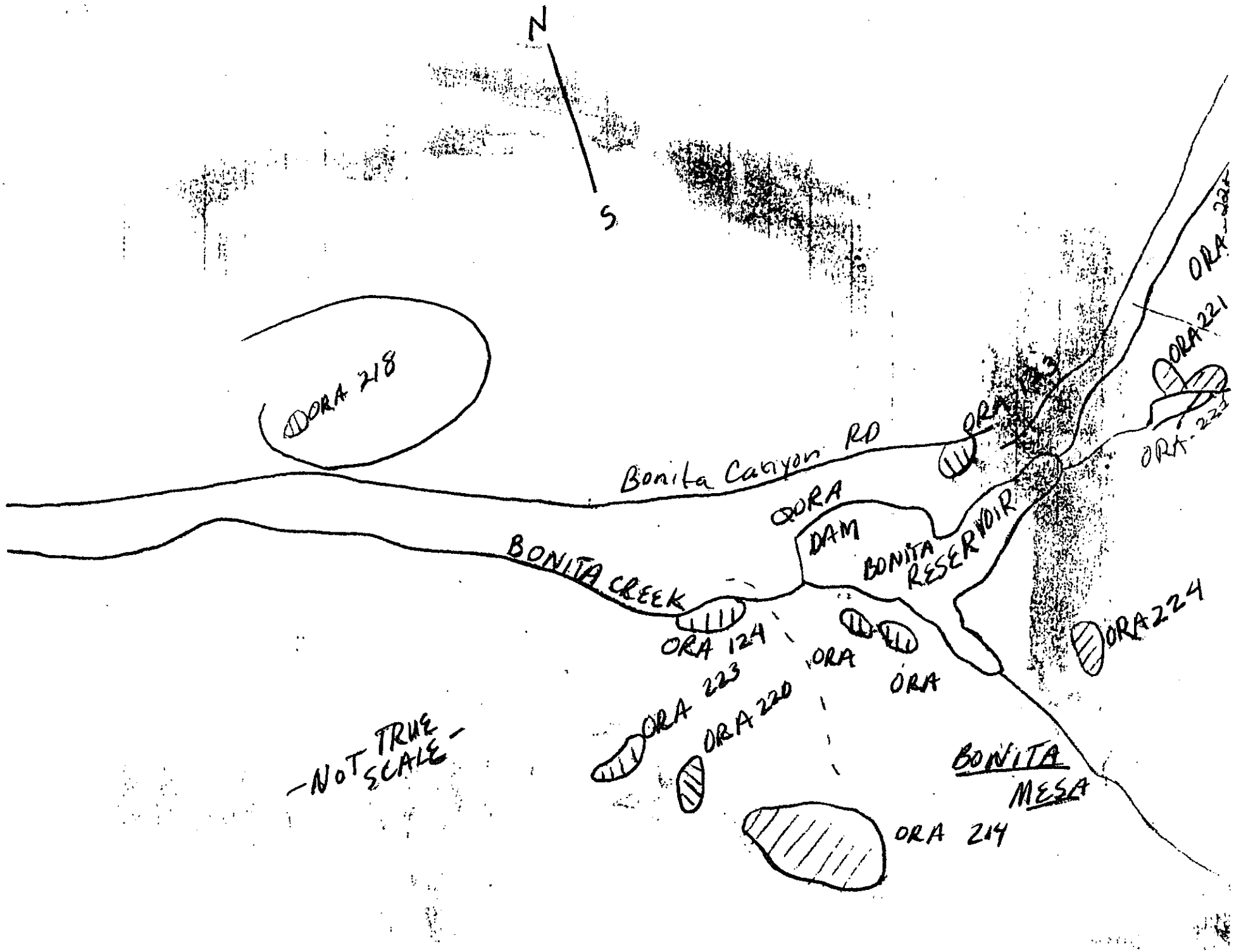
29. Artifacts two pieces of bowl, shells calcined indicating great age

30. Remarks only light scattered shell on surface

31. Published references none

32. Accession No. 33. Sketch map see reverse

34. Date May 6, 1966 35. Recorded by Hafner, Fritsche, McKinney 36. Photos no


N
S
ORA 218
Bonita Canyon RD
ORA 123
ORA 221
ORA 225
ORA 222
ORA DAM
BONITA RESERVOIR
BONITA CREEK
ORA 124
ORA 223
ORA 220
ORA
ORA
ORA 224
BONITA MESA
ORA 214
-NOT TRUE SCALE-

UTM: 21052194
Long: 117° 51'04"
Lat: 33° 38'09"

ARCHAEOLOGICAL SITE SURVEY RECORD

1. Site CA-Ora-218 2. Map Tustin 7.5' Quad 3. County Orange
4. Twp. 6 S Range 9 W NW 1/4 of NE 1/4 Sec. 91
5. Location On Univ. of Irvine property, at the base of the southernmost peak, just overlooking Bonita Canyon Drive, also it is the westernmost pea along B.C.R. overlooking the rolling hills which continue to the junctior of B.C.R. and McArthur Blvd. 6. Contour elevation 210'
7. Previous designation for site UCI-5
8. Owner Univ. of Cal. Irvine 9. Address Irvine, California
10. Previous owners, dates the Irvine Co.-1960
11. Present tenant University of California, Irvine
12. Attitude toward excavation favorable
13. Description of site light scatter of artifacts and very light scatter of shell over a large area. No soil change
14. Area 200M x 80M 15. Depth 30+ cm 16. Height --
17. Vegetation light grass, chaparral 18. Nearest water old drainage down Bonit Canyon
19. Soil of site orange-brown soil 20. Surrounding soil type orange-brown s
21. Previous excavation none
22. Cultivation grazing & discing 23. Erosion light
24. Buildings, roads, etc.
25. Possibility of destruction possible, lays in area designated "outer campus reserve site" on future planning map
26. House pits none observed
27. Other features none observed
28. Burials none observed
29. Artifacts large flakes and cores of igneous rock, chert flakes, 1 metate frag, 1 large chopping tool
30. Remarks site is an extremely light scatter which is best seen in the disced firebreak which runs along the fence by Bonita Canyon Rd.
31. Published references none
32. Accession No. UCI-5 33. Sketch map
34. Date 8-5-76 35. Recorded by Howard, Jones 36. Photos Jones McManus, Pendleton, Clutter Roll #2

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL SITE RECORD

Permanent Trinomial: CA-Ora-218 Supplement [X]

Temporary Number:

Agency Designation: A.K.A. CA-Ora-1041

1. County: Orange

2. USGS Quad: Tustin, CA (7.5') 1965 (15') Photorevised 1972

3. UTM Coordinates: Zone 11 / 420908 (main datum) Easting / 3722195 Northing (X)

4. Township 6S Range 9W NE ¼ of SE ¼ of SE ¼ of SW ¼ of Section 57 Base (Mar.) SBR ( )

5. Map Coordinates: 514 mmS 86 mmE (from NW corner of map) 6. Elevation 130'

7. Location: On long, low east-west trending ridge 0.5 miles south of intersection of Bonita Canyon rd with MacArthur Blvd. Entire Terrace area north of Bonita Canyon Rd exhibits an extremely diffuse scatter of stone tools and occassional shell--all best viewed as isolates. ( )

8. Prehistoric X Historic Protohistoric 9. Site Description: Very large and extremely low density stone tool scatter with occassional pockets of very low density heavily weathered and fragmented Chione. ( )

10. Area: Locus A: 40m. X10m. B: 8m dia m(length) m(width) m^2. Method of Determination: Compass and pacing. The (X)

11. Depth: surface-20 cm Method of Determination: examination of erosion channels. ( )

12. Features: none ( )

13. Artifacts: Two cores of Santiago Peak Volcanics, and one Metarhyolite thinning flake. ( )

14. Non-Artifactual Constitutients: Two concentrations of very low density Chione. ( )

15. Date Recorded: April 8, 1985 16. Recorded By: B. Helman. M. Macko et al. PCAS. (X)

17. Affiliation and Address: ( )

APPLIED CONSERVATION TECHNOLOGY, INC.
14340 Bolsa Chica Road Suite E

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL SITE RECORD

Permanent Trinomial: CA-Ora-218 / April (mo.) 1985 (yr.)

Temporary Number:

Agency Designation:

18. Human Remains: none noted ( )

19. Site Integrity: Good for this kind of resource-the integrity of isolates is difficult to worsen. ( )

20. Nearest Water (type, distance and direction): intermittent Bonita Canyon creek, 200m. southwest. ( )

21. Largest Body of Water within 1 km (type, distance and direction): S/A ( )

22. Vegetation Community (site vicinity): Coastal sagebrush [Plant List ( )] ( )

23. Vegetation Community (on site): S/A [Plant List ( )] ( )

References for above: ( )

24. Site Soil: clayey loam ( ) 25. Surrounding Soil: same ( )

26. Geology: older alluvium ( ) 27. Landform: terrace ( )

28. Slope: 0-5% ( ) 29. Exposure: ( )

30. Landowner(s) (and/or tenants) and Address: U.C. Irvine. ( )

31. Remarks: ( )

32. References: Macko and Weil 1985. ( )

33. Name of Project: San Joaquin Hills Transportation Corridor. Stage 1. ( )

34. Type of Investigation: Intensive Survey. ( )

35. Site Accession Number: Curated At: ( )

36. Photos: no Taken By: ( )

37. Photo Accession Number: 91 On File At: ( )

APPLIED CONSERVATION TECHNOLOGY, INC.
14340 Bolsa Chica Road, Suite E
Westminster, California 92683

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL SITE RECORD
Continuation Sheet

Page 3 of 5 .

Permanent Trinomial: CA-Ora-218 / April (mo.) 1985 (yr.)

Temporary Number:

Agency Designation

Item No.	Continuation
3	Locus A: 420710E/3722160N. Locus B: 420940E/3722290N.
10	entire terrace region upon which these scattered isolates rest is best characterized as a very limited use/procurement procession area of indeterminable size. Site record by Romani & Corbin (Ora-1041) suggests this.
16	1966; EIP 1977; Stickel & Howard 1976; Romani & Corbin recorded Ora-218 as Ora-1041 in 1983.

State of California -- The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

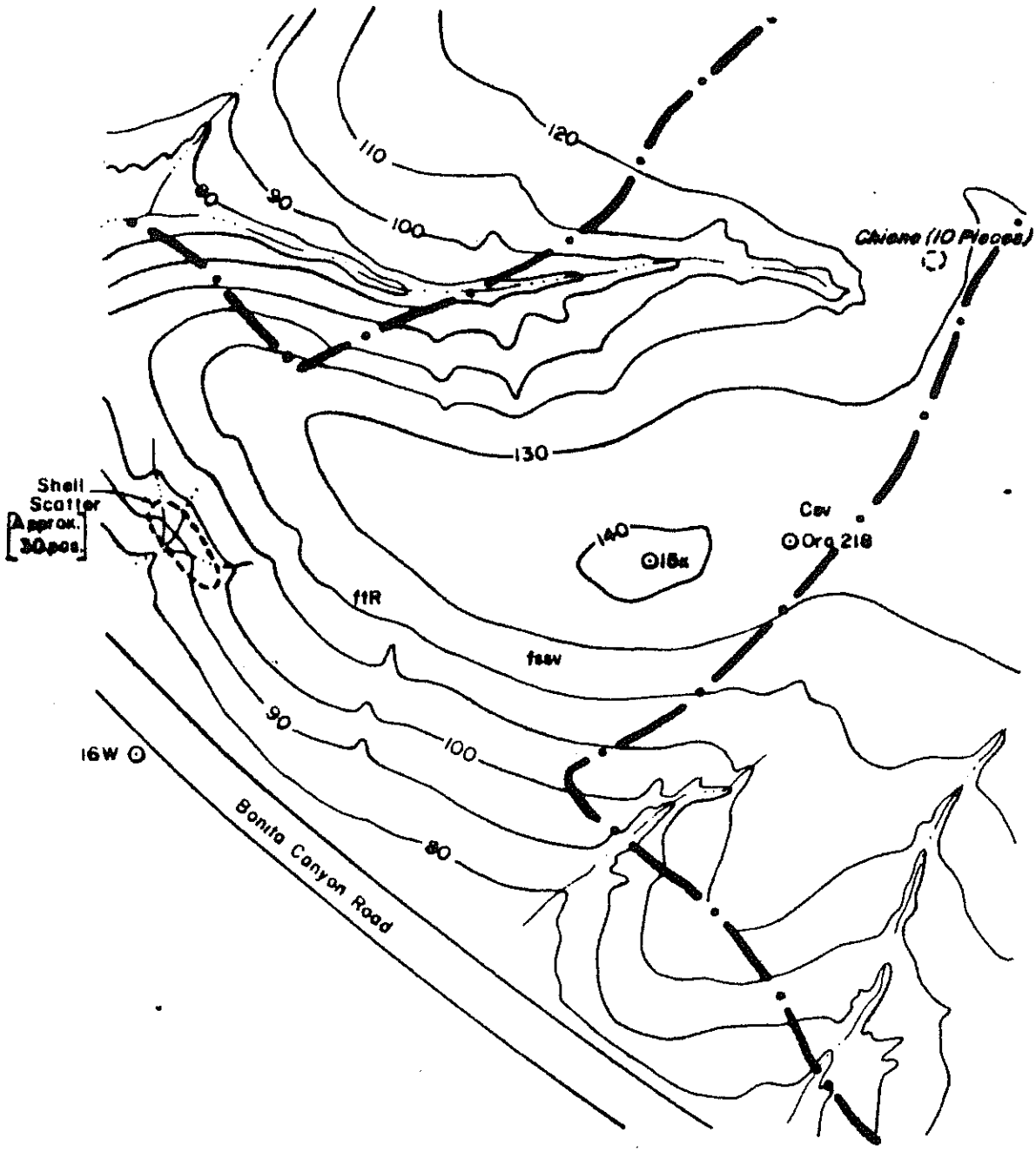
ARCHEOLOGICAL SITE MAP

Page 4 of 5 .

Permanent Trinomial: CA-Ora-218 / April 1985
mo. yr.

Temporary Number: _____

Agency Designation: _____



0 40 80
meters

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

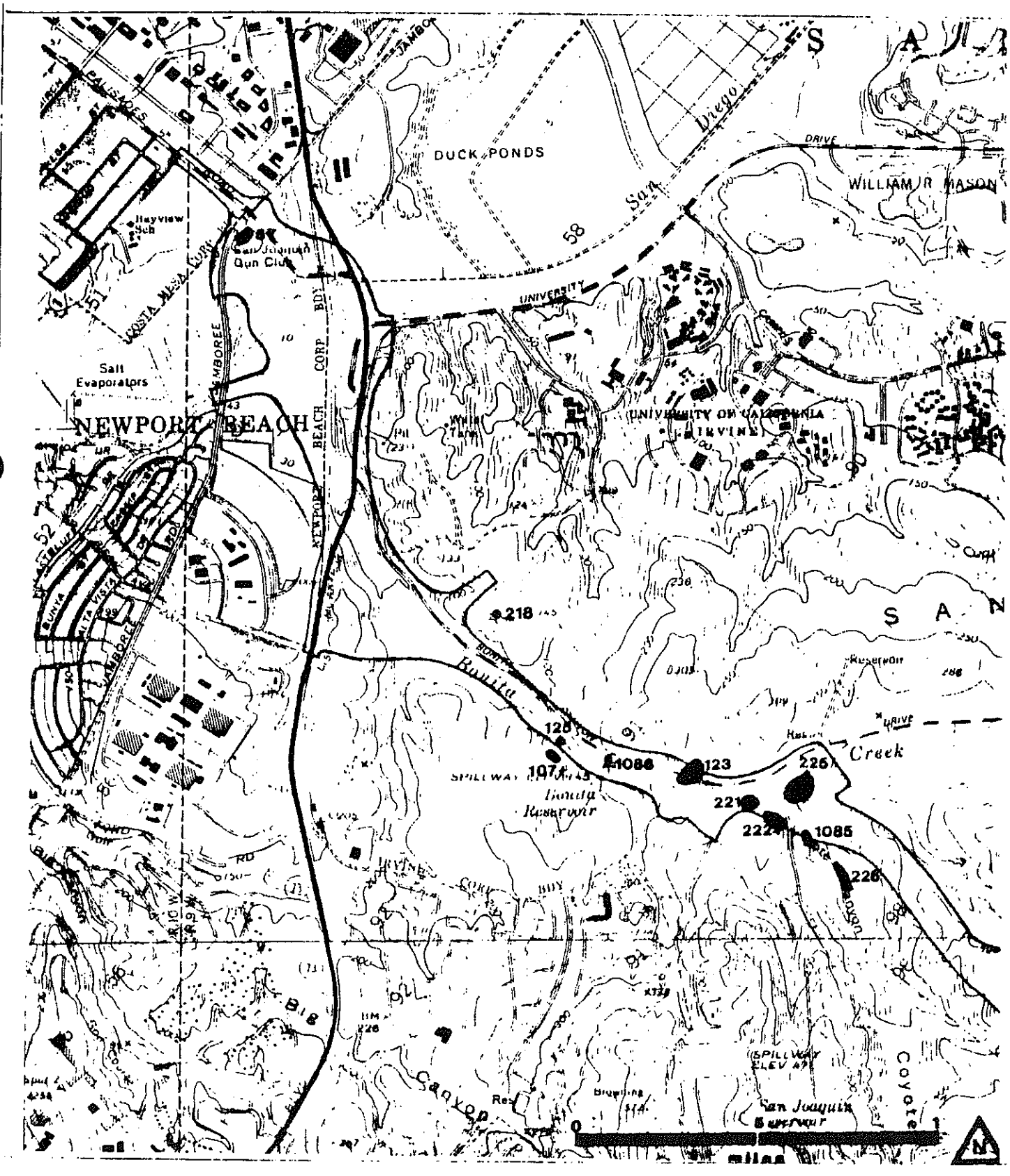
ARCHEOLOGICAL SITE LOCATION MAP

Page 5 of 5.

Permanent Trinomial: CA-Ora-218 / April 1985 (mo. / yr.)

Temporary Number: _____

Agency Designation: _____



State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

CONTINUATION SHEET

Primary # 30-000221
HRI#
Trinomial CA-ORA-221

Page 1 of 1 *Resource Name or # (Assigned by recorder)

*Recorded by: P. Fulton *Date: 12/22/2008 ☐ Continuation ☒ Update

Site 30-000221 is plotted extending from the median to the southbound shoulder of State Route 73 (SR-73). The site has been completely destroyed by construction of SR-73.

Overview of the plotted location of Site 30-000221 from the shoulder of SR-73 facing west. The site was located approximately where the first oncoming cars are visible.

National Register Eligible

University of California

ARCHAEOLOGICAL SITE SURVEY RECORD

MAPPED

1. Site Ora-221 2. Map USGS Tustin Quad 3. County Orange

4. Twp. 6 S Range ~~8~~ 9 W; SE 1/4 of NE 1/4 of Sec. 91

5. Location 500' SE by South of intersection of Bonita Cyn. Rd. and Coyote Cyn. Rd. 1/4 mi. NE by E of Bonita Dam Spillway on north bank of Coyote Creek.

6. On contour elevation 170'

7. Previous designations for site none

8. Owner Irvine Co. 9. Address Tustin, Calif.

10. Previous owners, dates same

11. Present tenant Irvine Co.

12. Attitude toward excavation PCAS holds permit on area

13. Description of site small shell midden occupies flat area on north edge of Coyote Creek ~~60~~ 6-8' above creek bed.

14. Area ~~180~~ 180' NS, 90' EW 15. Depth 18-24" 16. Height

17. Vegetation wild oats, doveweed, salt-bush, trees 18. Nearest water Coyote Creek

19. Soil of site ~~gray-black~~ sandy loam 20. Surrounding soil type tan sandy loam

21. Previous excavation none

22. Cultivation none apparent 23. Erosion banks of creek

24. Buildings, roads, etc. Coyote Canyon Rd. to the north, and Bonita Canyon Rd. to the west

25. Possibility of destruction very probable in next 5 yrs. part of UCI City

26. House pits none apparent

27. Other features

28. Burials

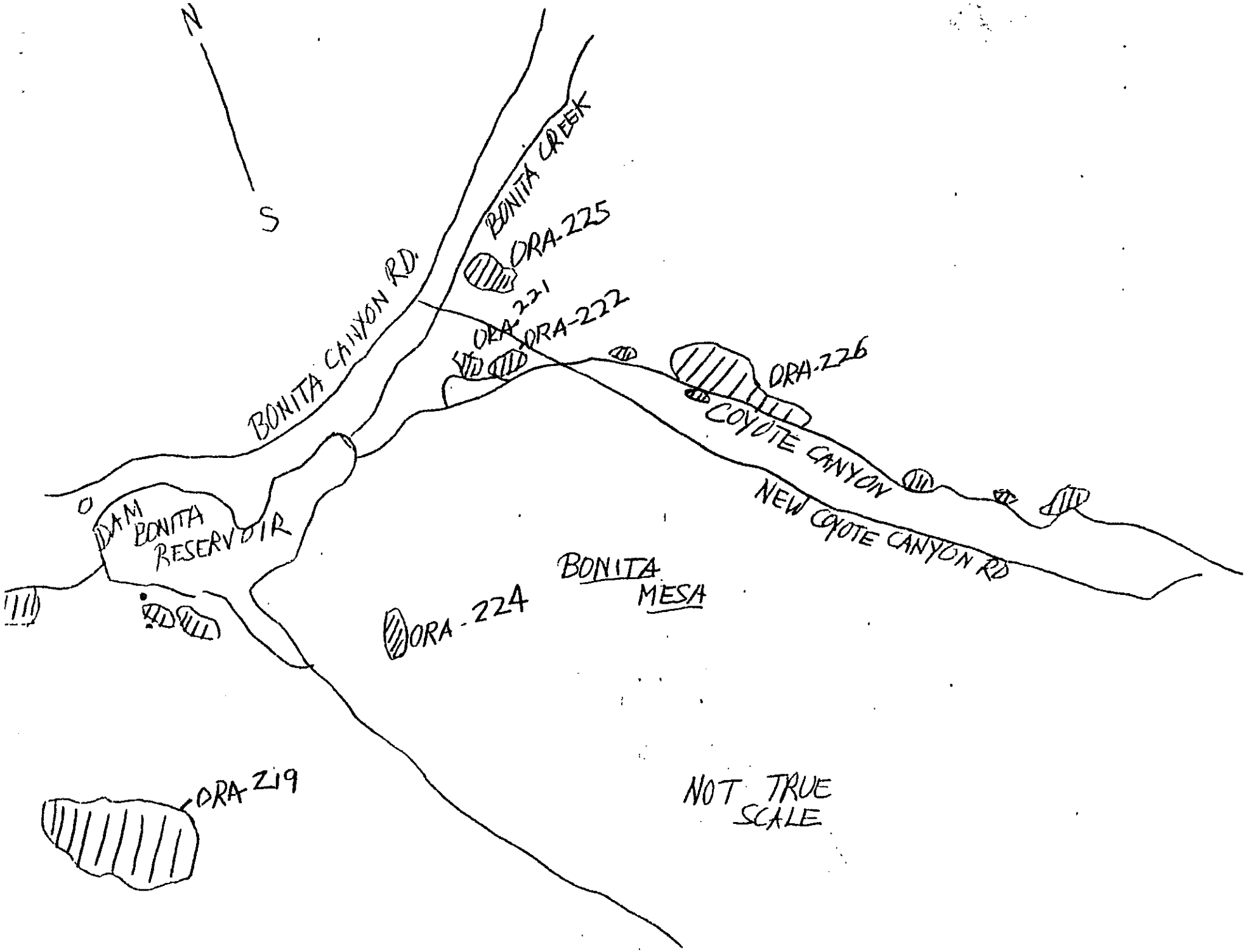
29. Artifacts mano and mano fragments, chert scraper, small amount of chipping waste. Shell: mostly scallop, some chione and moon snail

30. Remarks part of midden complex that occupies north bank of Coyote Creek

31. Published references none

32. Accession No. 33. Sketch map on back

34. Date ~~11/27/66~~ 35. Recorded by Hafner, PCAS crew 36. Photos


N
S
BONITA CANYON RD.
BONITA CREEK
ORA-225
ORA-221
ORA-222
ORA-226
COYOTE CANYON
NEW COYOTE CANYON RD
DAM
BONITA RESERVOIR
BONITA MESA
ORA-224
ORA-219
NOT TRUE SCALE
ORA-221

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL SITE RECORD

Permanent Trinomial: CA-Ora-221 Supplement ☐

Temporary Number: _____

Page 1 of 6.

Agency Designation: _____

1. County: Orange

2. USGS Quad: Tustin, CA (7.5') 1965 (15') _____ Photorevised 1972

3. UTM Coordinates: Zone 11 / 422072 Easting / 3721346 Northing (X)

4. Township 6S Range 9W ; NE ¼ of SW ¼ of SW ¼ of SE ¼ of Section 91 Base (Mer.) SBR ( )

5. Map Coordinates: 548 mmS 134 mmE (from NW corner of map) 6. Elevation 170'

7. Location: On east bank of Coyote CK. 300' SW of intersection between Bonita Canyon Rd. and Coyote Canyon Rd. A paved access rd forms a northern boundary to the site. The latter rd intersects Coyote Canyon Rd. 400' S. of it intersection with Bonita Canyon Rd. ( )

8. Prehistoric X Historic _____ Protohistoric _____ 9. Site Description: Moderate size shell midden with moderate diversity of remains in low to moderate density (1-67/m^2). This site is clearly an extension of Ora-222, the two midden areas being separted by a deep bull-dozer swathe. ( )

10. Area: 120 m(length)x 80 m(width) 4800 m^2. Method of Determination: Pacing and Compass ( )

11. Depth: 100 cm Method of Determination: 20cm. dia. postholes excavated in 10cm. level ( )

12. Features: none noted ( )

13. Artifacts: 2 Felsite cores. ( )

14. Non-Artifactual Constitutients: Low to moderate density shell midden, the major constituents being Pecten (53.6%), Misc. Shell (17.4%), Ostrea (13.3%), Chione (12.8%), and (X)

15. Date Recorded: March 19, 1985 16. Recorded By: M. Macko PCAS. 1966. ( )

17. Affiliation and Address: _____ ( )

APPLIED CONSERVATION TECHNOLOGY, INC.
14340 Bolsa Chica Road, Suite E
Westminster, California 92683

State of California The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL SITE RECORD

Permanent Trinomial: CA-Ora-221 / March 1985 (mo. / yr.)

Temporary Number: _____

Agency Designation: _____

18. Human Remains: none noted ( )

19. Site Integrity: Poor to Fair. Significant disturbance has occurred in form of road buildir and bulldozing. Majority of the northern most section has been removed from main site area and redeposited to form a berm for damming of water. This damming (X)

20. Nearest Water (type, distance and direction): Intermittent Coyote Canyon Creek, adjacent on east. ( )

21. Largest Body of Water within 1 km (type, distance and direction): S/A ( )

22. Vegetation Community (site vicinity): Riparian and coastal sagebrush. (Plant List ( )) ( )

23. Vegetation Community (on site): Riparian - marshland (Plant List ( )) ( )

References for above: _____ ( )

24. Site Soil: dk-grey brn sandy loam ( ) 25. Surrounding Soil: lt. brn clay ( )

26. Geology: recent alluvium ( ) 27. Landform: Creek terrace ( )

28. Slope: 0-2% ( ) 29. Exposure: _____ ( )

30. Landowner(s) (and/or tenants) and Address: The Irvine Company ( )

31. Remarks: _____ ( )

32 References: ARI. 1974b; Van Horn et al. 1983; ( )

33. Name of Project: San Joaquin Hills Transportation Corridor. Stage 1. ( )

34. Type of Investigation: Intensive survey. ( )

35. Site Accession Number _____ Curated At: _____ ( )

36. Photos _____ Taken By: M. Macko ( )

37 Photo Accession Number 91 On File At: APPLIED CONSERVATION TECHNOLOGY, INC. 14340 Bolsa Chica Road, Suite E Westminster, California 92683

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL SITE RECORD
Continuation Sheet

Page 3 of 6.

Permanent Trinomial: CA-Ora-221 / March 1985 (mo. / yr.)

Temporary Number:

Agency Designation:

Item No.

Continuation

SITE NAME OR TRINOMIAL	UNIT TYPE	UNIT NO	QUANTITY	MATERIAL	CLASS	OBJECT 1	OBJECT 2	MODIFICATION 1	MODIFICATION 2	MODIFICATION 3
CA-Ora-221	2M DIA SURF SAMP	15	132	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-221	2M DIA SURF SAMP	15	4	PECTEN SP	SHELL				WHOLE	
CA-Ora-221	2M DIA SURF SAMP	15	1	PECTEN SP	SHELL				FRAGMENT > 50%	
CA-Ora-221	2M DIA SURF SAMP	15	3	MOLLUSCA SP	SHELL				FRAGMENT < 50%	
CA-Ora-221	2M DIA SURF SAMP	15	2	CHITONE SP	SHELL				WHOLE	
CA-Ora-221	2M DIA SURF SAMP	15	1	CHITONE SP	SHELL				FRAGMENT > 50%	
CA-Ora-221	2M DIA SURF SAMP	15	14	CHITONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-221	2M DIA SURF SAMP	15	40	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-221	2M DIA SURF SAMP	15	17	OSTREA SP	SHELL				FRAGMENT < 50%	
CA-Ora-221	2M DIA SURF SAMP	16	6	PECTEN SP	SHELL				WHOLE	
CA-Ora-221	2M DIA SURF SAMP	16	11	PECTEN SP	SHELL				FRAGMENT > 50%	
CA-Ora-221	2M DIA SURF SAMP	16	107	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-221	2M DIA SURF SAMP	16	8	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-221	2M DIA SURF SAMP	16	15	CHITONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-221	2M DIA SURF SAMP	16	5	OSTREA SP	SHELL				FRAGMENT > 50%	
CA-Ora-221	2M DIA SURF SAMP	16	42	OSTREA SP	SHELL				FRAGMENT < 50%	
CA-Ora-221	2M DIA SURF SAMP	16	1	OSTREA UNDOSA	SHELL				FRAGMENT < 50%	
CA-Ora-221	2M DIA SURF SAMP	16	2	GASTROPODS UNIDEF.	SHELL				FRAGMENT < 50%	
CA-Ora-221	2M DIA SURF SAMP	25	0	NO CULTURAL MATERIAL						
CA-Ora-221	2M DIA SURF SAMP	26	19	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-221	2M DIA SURF SAMP	26	1	MYTILUS SP	SHELL				FRAGMENT < 50%	
CA-Ora-221	2M DIA SURF SAMP	26	10	OSTREA SP	SHELL				FRAGMENT < 50%	
CA-Ora-221	2M DIA SURF SAMP	26	6	CHITONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-221	2M DIA SURF SAMP	26	4	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-221	2M DIA SURF SAMP	27	21	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-221	2M DIA SURF SAMP	27	7	MYTILUS SP	SHELL				FRAGMENT < 50%	
CA-Ora-221	2M DIA SURF SAMP	27	1	PECTEN SP	SHELL				FRAGMENT > 50%	
CA-Ora-221	2M DIA SURF SAMP	27	45	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-221	2M DIA SURF SAMP	27	22	CHITONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-221	2M DIA SURF SAMP	27	3	OSTREA SP	SHELL				FRAGMENT < 50%	
CA-Ora-221	2M DIA SURF SAMP	27	1	GLASS	HISTORIC					
CA-Ora-221	2M DIA SURF SAMP	28	2	PLASTIC	HISTORIC					
CA-Ora-221	2M DIA SURF SAMP	32	1	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-221	2M DIA SURF SAMP	33	19	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-221	2M DIA SURF SAMP	33	3	CHITONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-221	2M DIA SURF SAMP	33	1	OSTREA SP	SHELL				FRAGMENT < 50%	
CA-Ora-221	2M DIA SURF SAMP	33	2	MYTILUS SP	SHELL				FRAGMENT > 50%	
CA-Ora-221	2M DIA SURF SAMP	33	1	MYTILUS SP	SHELL				FRAGMENT < 50%	
CA-Ora-221	2M DIA SURF SAMP	33	9	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-221	2M DIA SURF SAMP	33	17	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-221	2M DIA SURF SAMP	33	1	MYTILUS SP	SHELL				FRAGMENT < 50%	
CA-Ora-221	2M DIA SURF SAMP	33	24	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-221	2M DIA SURF SAMP	33	1	PECTEN SP	SHELL				FRAGMENT > 50%	
CA-Ora-221	2M DIA SURF SAMP	33	13	CHITONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-221	2M DIA SURF SAMP	33	2	CHITONE SP	SHELL				FRAGMENT > 50%	
CA-Ora-221	2M DIA SURF SAMP	33	10	OSTREA SP	SHELL				FRAGMENT < 50%	
CA-Ora-221	2M DIA SURF SAMP	34	1	PECTEN SP	SHELL				WHOLE	
CA-Ora-221	2M DIA SURF SAMP	34	3	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-221	2M DIA SURF SAMP	34	4	MISC. SHELL	SHELL				FRAGMENT < 50%	

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL SITE RECORD
Continuation Sheet

Permanent Trinomial: CA-Ora-221 / March 1985 (mo. / yr.)

Temporary Number:

Agency Designation:

Item No.

Continuation

SITE NAME OR TRINOMIAL	UNIT TYPE	UNIT NO	QUANTITY	MATERIAL	CLASS	OBJECT 1	OBJECT 2	MODIFICATION 1	MODIFICATION 2	MODIFICATION 3
CA-Ora-221	.M DIA SURF SAMP	36	2	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-221	.M DIA SURF SAMP	37	1	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-221	.M DIA SURF SAMP	37	1	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-221	.M DIA SURF SAMP	38	0	NO CULTURAL MATERIAL						
CA-Ora-221	.M DIA SURF SAMP	42	2	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-221	.M DIA SURF SAMP	43	1	ASTRAEA UNDOSA	SHELL				FRAGMENT < 50%	
CA-Ora-221	.M DIA SURF SAMP	43	7	OSTREA SP	SHELL				FRAGMENT < 50%	
CA-Ora-221	.M DIA SURF SAMP	43	6	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-221	.M DIA SURF SAMP	43	1	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-221	.M DIA SURF SAMP	43	20	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-221	.M DIA SURF SAMP	44	1	PEBSITE	CHIPPED STONE	CORE				
CA-Ora-221	.M DIA SURF SAMP	44	6	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-221	.M DIA SURF SAMP	44	7	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-221	.M DIA SURF SAMP	44	1	CHIONE SP	SHELL				FRAGMENT > 50%	
CA-Ora-221	.M DIA SURF SAMP	44	2	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-221	.M DIA SURF SAMP	45	0	NO CULTURAL MATERIAL						
CA-Ora-221	.M DIA SURF SAMP	46	0	NO CULTURAL MATERIAL						
CA-Ora-221	.M DIA SURF SAMP	47	1	GLASS	HISTORIC					
CA-Ora-221	.M DIA SURF SAMP	47	1	ROAD TAR	HISTORIC					
CA-Ora-221	.M DIA SURF SAMP	50	0	NO CULTURAL MATERIAL						
CA-Ora-221	.M DIA SURF SAMP	56	0	NO CULTURAL MATERIAL						
CA-Ora-221	.M DIA SURF SAMP	57	1	GLASS	HISTORIC					
CA-Ora-221	.M DIA SURF SAMP	58	2	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-221	.M DIA SURF SAMP	58	1	CHIONE SP	SHELL				FRAGMENT > 50%	
CA-Ora-221	.M DIA SURF SAMP	58	1	PEBSITE	CHIPPED STONE	CORE				
CA-Ora-221	.M DIA SURF SAMP	67	0	NO CULTURAL MATERIAL						

14 Mytilus (1.9%). Minor faunal constituents, each comprising less than 0.5% of total Faunal remains, include Haliotis and Astraea. These relative frequencies mirror those at Ora-222 with no significant difference, further supporting the idea that both are remnants of 1 site.

19 resulted in deposition of a considerable blanket of sand in the drainage, most notably at Ora-222 (southern 1/2 site). In the latter case, silts and sands have clearly buried the SW margin of the site. The same may have occurred at Ora-221, but this was not verified. Other than earthmoving, disturbance has been minimal in areas unaffected as is indicated by the relatively high frequency of whole valve and large fragments of Pecten (10% of all Pecten specimens).

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

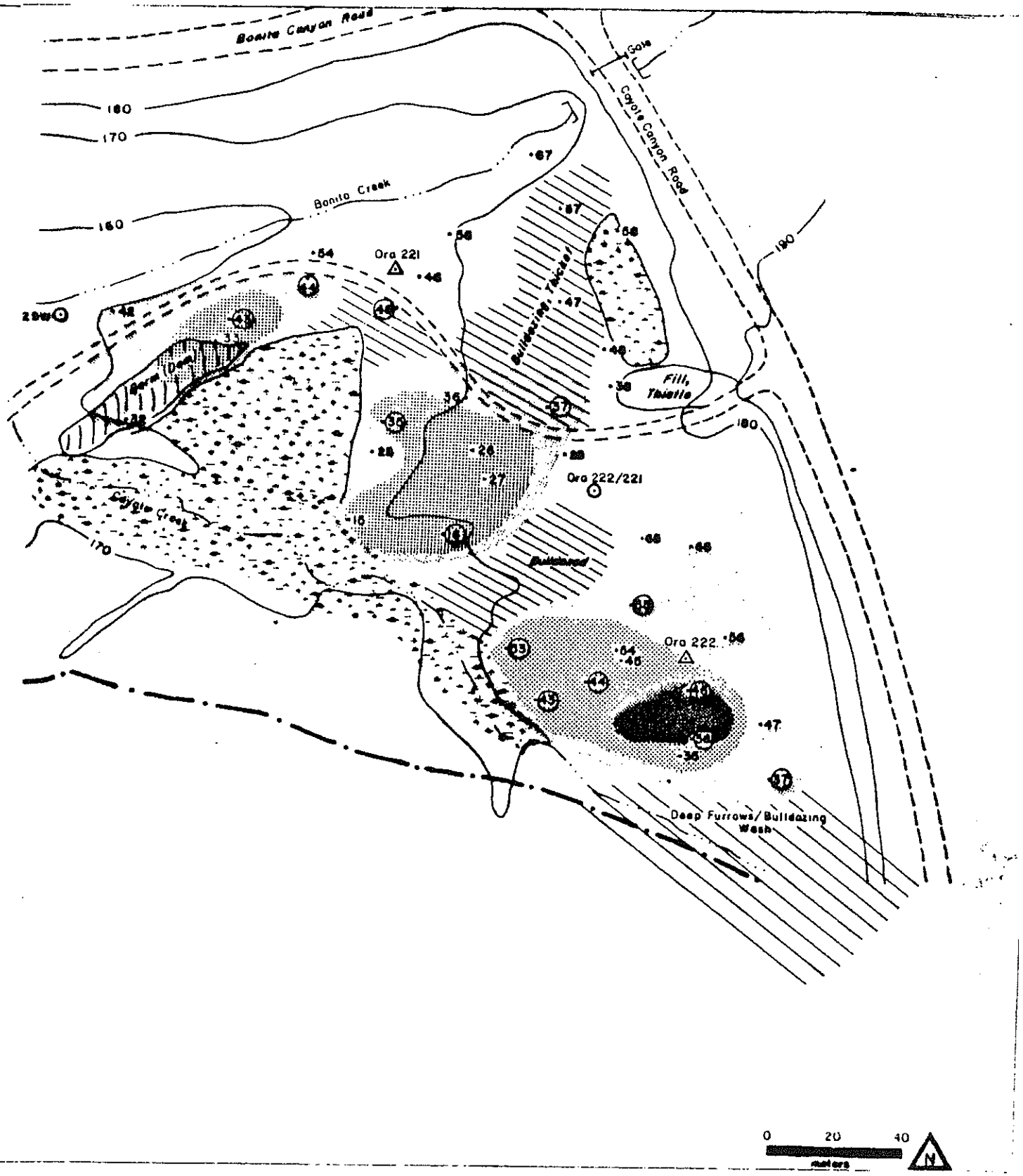
ARCHEOLOGICAL SITE MAP

Page 5 of 6 .

Permanent Trinomial: CA-Ora-221 / March 1985
mo. yr.

Temporary Number: _____

Agency Designation: _____



State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

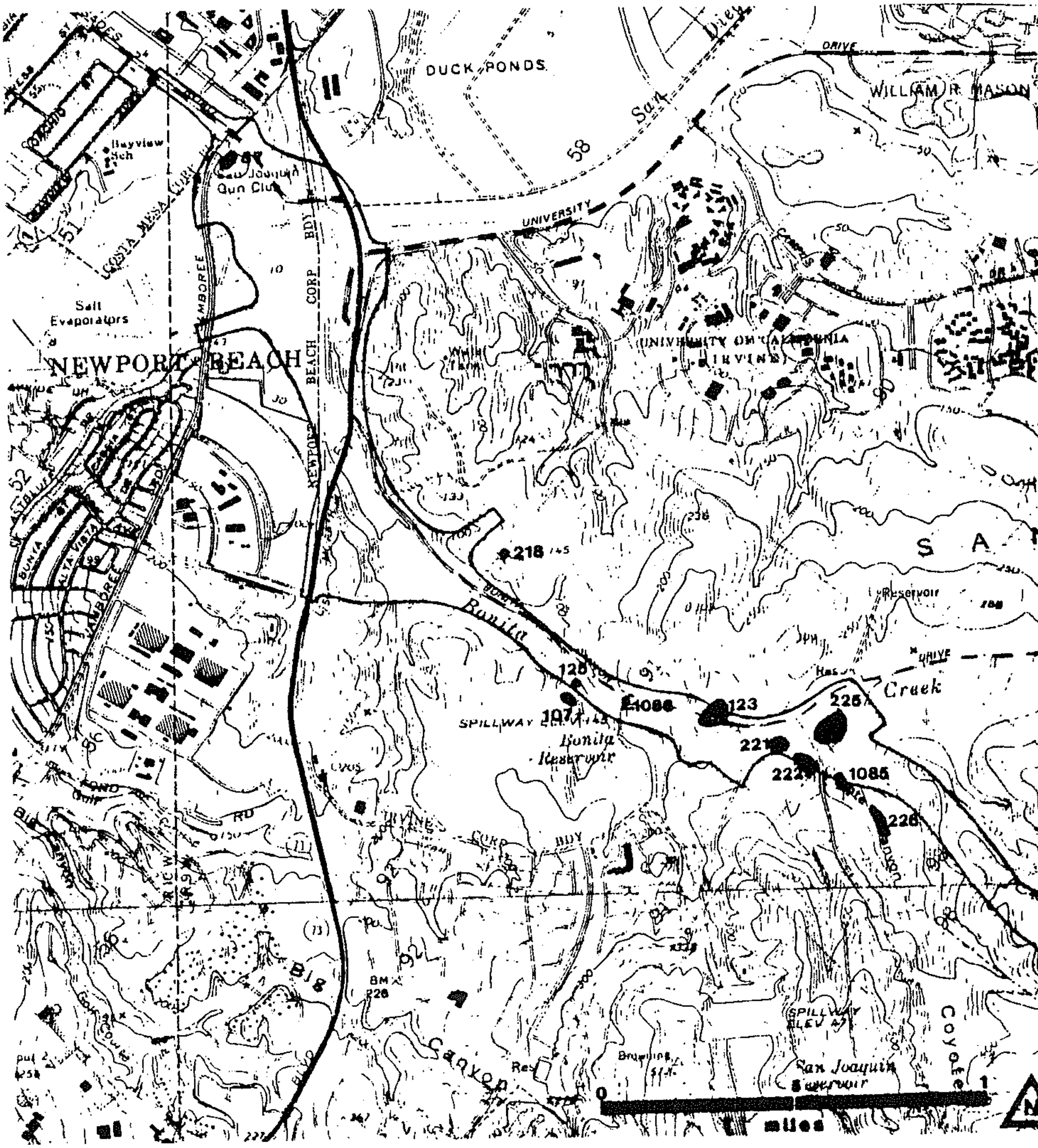
ARCHEOLOGICAL SITE LOCATION MAP

Page 6 of 6.

Permanent Trinomial: CA-Ora-221 / March 1985
mo. yr.

Temporary Number: ____________________

Agency Designation: ____________________



State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

CONTINUATION SHEET

Primary # 30-000222
HRI#
Trinomial CA-ORA-222

Page 1 of 1 *Resource Name or # (Assigned by recorder)

*Recorded by: P. Fulton *Date: 12/22/2008 ☐ Continuation ☒ Update

Site 30-000222 is plotted extending from the southbound shoulder of State Route 73 (SR-73) to approximately 70 feet south of the southbound SR-73 on ramp from Bonita Canyon Road. The site has been destroyed within the Caltrans right-of way by construction of SR-73. The southern portion of the site may remain extant beyond the Caltrans right-of-way.

Overview of the plotted site location from the shoulder of the southbound SR-73 on-ramp from Bonita Canyon Road. View to the west.

National Register Eligible

University of California

ARCHAEOLOGICAL SITE SURVEY RECORD

1. Site Ora-222 2. Map USGS Tustin Quad. 3. County Orange

4. Twp. 6 S Range 9 W; SE 1/4 of NE 1/4 of Sec. 91

5. Location 700' SE of intersection of Bonita Cyn. Rd. and Coyote Cyn. Rd. 1/2 mi. NE by E of Bonita Dam spillway on north bank of Coyote Creek

6. On contour elevation 170'

7. Previous designations for site none

8. Owner Irvine Co. 9. Address 13042 SW Myford Rd., Tustin

10. Previous owners, dates Irvine family

11. Present tenant Irvine Co.

12. Attitude toward excavation PCAS holds permit on mesa

13. Description of site shell midden occupies alluvial flat on north bank of Coyote Creek. 6-8' above creek bed.

14. Area 120 N & S, 225 E & W 15. Depth 24-30" 16. Height

17. Vegetation wild oats, doveweek, saltbush, willow 18. Nearest water Coyote Creek

19. Soil of site black sandy loam 20. Surrounding soil type tan sandy loam

21. Previous excavation none

22. Cultivation not apparent 23. Erosion some on banks of creek

24. Buildings, roads, etc. Coyote Canyon Rd. to the north, and Bonita Rd. to west

25. Possibility of destruction badly disturbed and partially destroyed by bulldozer; probably will be completely destroyed in near future, part of UCI city

26. House pits none

27. Other features none

28. Burials none

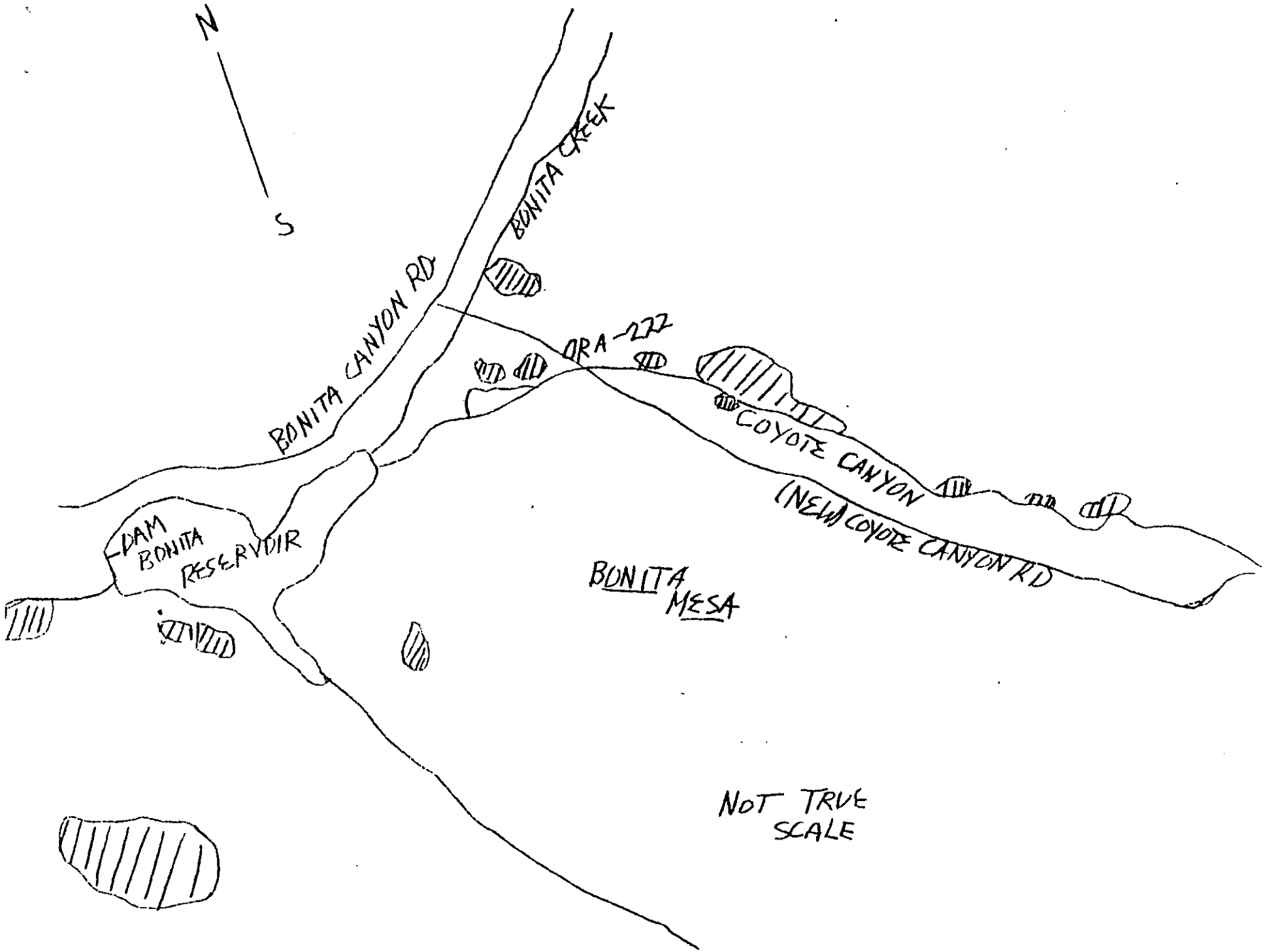
29. Artifacts tarring stone, pestle (broken), mano fragments, scraper; shells--chione, scallop, few moon snails, abalone oyster

30. Remarks very probably midden was larger before it was distrubed by bulldozer operatic

31. Published references none

32. Accession No. 33. Sketch map on back

34. Date 11/27/66 35. Recorded by Hafner, PCAS crew 36. Photos


N
S
BONITA CREEK
BONITA CANYON RD
ORA-222
COYOTE CANYON
(NEW) COYOTE CANYON RD
DAM
BONITA
RESERVOIR
BONITA
MESA
NOT TRUE
SCALE

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL SITE RECORD

Permanent Trinomial: CA-Ora-222 Supplement [X]

Temporary Number: _____

Page 1 of 8 .

Agency Designation: _____

1. County: Orange

2. USGS Quad: Tustin, CA (7.5') 1965 (15') _____ Photorevised 1972

3. UTM Coordinates: Zone 11 / 422158 Easting / 3721232 Northing (X)

4. Township 6S Range 9W . SE ¼ of SW ¼ of SW ¼ of SE ¼ of Section 91 Base (Mer.) SBR ( )

5. Map Coordinates: 553 mmS 137 mmE (from NW corner of map) 6. Elevation 170'

7. Location: On east bank of Coyote Creek 500' SW of intersection between Bonita Canyon Rd. and Coyote Canyon Rd. A paved access rd runs to within 100' of sites's northern boundary. The latter rd intersects Coyote Canyon Rd. 400' S. of its intersection with Bonita Canyon Rd. ( )

8. Prehistoric X Historic _____ Protohistoric _____ 9. Site Description: Moderate size shell midden with a high diversity of remains in low to high densities (1-194/M^2). This site is clearly an extension of Ora-221, the two midden areas being separated by a deep bulldozer swathe. ( )

10. Area: 70 m(length)x 70 m(width) 4000 m^2. Method of Determination: Pacing and Compass ( )

11. Depth: 140 + cm Method of Determination: 10cm. postholes excavated in 10cm increments

12. Features: Some posthole units (i.e. unit 43) showed clear concentrations of thick midden, burnt rock, and charcoal at depth. ( )

13. Artifacts: 2 basalt flakes and 2 quartzite flakes. ( )

14. Non-Artifactual Constitutients: Low to high density shell midden, the major constituents being Pecten (51.2%), Misc. shell (20.2%), Chione (16.0%), Ostrea (6.1%), and Mytilus (X)

15. Date Recorded: March 19, 1985 16. Recorded By: M. Macko et al. PCAS . 1966. ( )

17. Affiliation and Address. _____ ( )

APPLIED CONSERVATION TECHNOLOGY, INC.
14340 Bolsa Chica Road, Suite E
Westminster, California 92683

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL SITE RECORD

Permanent Trinomial CA-Ora-222 / March (mo.) 1985 (yr)

Temporary Number:

Agency Designation:

18 Human Remains none noted ( )

19 Site Integrity Poor to Excellent. Significantly adverse disturbance has occurred to portions of the site. Some of the northern portion of this site(Ora-221) was redeposited to construct a berm for damming waters of Coyote Creek. This damming, X

20. Nearest Water (type, distance and direction). intermittent Coyote Canyon creek, 10m. south. ( )

21 Largest Body of Water within 1 km (type, distance and direction): ( )

22 Vegetation Community (site vicinity): Riparian [Plant List ( )] ( )

23 Vegetation Community (on site): Riparin-marshland [Plant List ( )] ( )

References for above. ( )

24. Site Soil: dk brn sandy loam ( ) 25. Surrounding Soil: lt brn clayey loam ( )

26. Geology recent alluvium ( ) 27. Landform: creek terrace/floodplain ( )

28. Slope: 0-3% ( ) 29. Exposure: ( )

30. Landowner(s) (and/or tenants) and Address The Irvine Company. ( )

31. Remarks ( )

32. References. ARI 1974b.; Van Horn et al. 1983; Macko and Weil 1985. ( )

33. Name of Project San Joaquin Hills Transportation Corridor. Stage 1. ( )

34 Type of Investigation. Intensive survey. ( )

35 Site Accession Number. Curated At. ( )

36 Photos Roll 91-5: exp 1, 2 Taken By M. Macko ( )

37 Photo Accession Number 91 On File At APPLIED CONSERVATION TECHNOLOGY, INC.
14340 Bolsa Chica Road, Suite E
Westminster, California 92683

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL SITE RECORD
Continuation Sheet

Permanent Trinomial: CA-Ora-222 , March 1985
mo. yr.

Temporary Numbers:

Agency Designation:

Item No.

Continuation

SITE NAME OR TRINOMIAL	UNIT TYPE	UNIT NO	QUANTITY	MATERIAL	CLASS	OBJECT 1	OBJECT 2	MODIFICATION 1	MODIFICATION 2	MODIFICATION 3
CA-Ora-222	2M DIA SURF SAMP	35	2	CHIONE SP	SHELL				WHOLE	
CA-Ora-222	2M DIA SURF SAMP	35	15	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-222	2M DIA SURF SAMP	35	29	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-222	2M DIA SURF SAMP	35	3	MYTILUS SP	SHELL				FRAGMENT < 50%	
CA-Ora-222	2M DIA SURF SAMP	35	1	OSTREA SP	SHELL				FRAGMENT < 50%	
CA-Ora-222	2M DIA SURF SAMP	35	2	BASALT	CHIPPED STONE		DEBITAGE			
CA-Ora-222	2M DIA SURF SAMP	35	7	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-222	2M DIA SURF SAMP	35	2	GLASS	HISTORIC				FRAGMENT < 50%	
CA-Ora-222	2M DIA SURF SAMP	36	13	PECTEN SP	SHELL				WHOLE	
CA-Ora-222	2M DIA SURF SAMP	36	10	PECTEN SP	SHELL				FRAGMENT > 50%	
CA-Ora-222	2M DIA SURF SAMP	36	168	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-222	2M DIA SURF SAMP	36	111	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-222	2M DIA SURF SAMP	36	5	CHIONE SP	SHELL				FRAGMENT > 50%	
CA-Ora-222	2M DIA SURF SAMP	36	92	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-222	2M DIA SURF SAMP	36	3	HALIOTIS SP	SHELL				FRAGMENT < 50%	
CA-Ora-222	2M DIA SURF SAMP	36	1	ASTRAEA UNDOSA	SHELL				FRAGMENT < 50%	
CA-Ora-222	2M DIA SURF SAMP	36	1	WHELK SP	SHELL				WHOLE	
CA-Ora-222	2M DIA SURF SAMP	36	26	OSTREA SP	SHELL				FRAGMENT < 50%	
CA-Ora-222	2M DIA SURF SAMP	36	17	MYTILUS SP	SHELL				FRAGMENT < 50%	
CA-Ora-222	2M DIA SURF SAMP	36	1	QUARTZITE	CHIPPED STONE	FLAKE	DEBITAGE			
CA-Ora-222	2M DIA SURF SAMP	36	1	MEDIUM MAMMAL	BONE					
CA-Ora-222	2M DIA SURF SAMP	37	1	GLASS	HISTORIC				FRAGMENT < 50%	
CA-Ora-222	2M DIA SURF SAMP	37	2	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-222	2M DIA SURF SAMP	37	1	PECTEN SP	SHELL				FRAGMENT > 50%	
CA-Ora-222	2M DIA SURF SAMP	37	1	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-222	2M DIA SURF SAMP	37	1	MEDIUM MAMMAL	BONE			SAWED		
CA-Ora-222	2M DIA SURF SAMP	43	55	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-222	2M DIA SURF SAMP	43	2	OSTREA SP	SHELL				FRAGMENT > 50%	
CA-Ora-222	2M DIA SURF SAMP	43	16	OSTREA SP	SHELL				FRAGMENT < 50%	
CA-Ora-222	2M DIA SURF SAMP	43	1	TIVELA SP	SHELL				FRAGMENT < 50%	
CA-Ora-222	2M DIA SURF SAMP	43	1	MYTILUS SP	SHELL				WHOLE	
CA-Ora-222	2M DIA SURF SAMP	43	1	MYTILUS SP	SHELL				FRAGMENT > 50%	
CA-Ora-222	2M DIA SURF SAMP	43	2	CHIONE SP	SHELL				WHOLE	
CA-Ora-222	2M DIA SURF SAMP	43	2	CHIONE SP	SHELL				FRAGMENT > 50%	
CA-Ora-222	2M DIA SURF SAMP	43	10	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-222	2M DIA SURF SAMP	43	2	PECTEN SP	SHELL				WHOLE	
CA-Ora-222	2M DIA SURF SAMP	43	5	PECTEN SP	SHELL				FRAGMENT > 50%	
CA-Ora-222	2M DIA SURF SAMP	43	31	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-222	2M DIA SURF SAMP	44	2	PECTEN SP	SHELL				WHOLE	
CA-Ora-222	2M DIA SURF SAMP	44	6	PECTEN SP	SHELL				FRAGMENT > 50%	
CA-Ora-222	2M DIA SURF SAMP	44	27	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-222	2M DIA SURF SAMP	44	6	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-222	2M DIA SURF SAMP	44	4	OSTREA SP	SHELL				FRAGMENT < 50%	
CA-Ora-222	2M DIA SURF SAMP	44	10	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-222	2M DIA SURF SAMP	44	1	MISC. SHELL	SHELL				WHOLE	
CA-Ora-222	2M DIA SURF SAMP	45	1	BALANUS SP	SHELL				WHOLE	
CA-Ora-222	2M DIA SURF SAMP	45	2	ASTRAEA UNDOSA	SHELL				FRAGMENT < 50%	
CA-Ora-222	2M DIA SURF SAMP	45	49	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-222	2M DIA SURF SAMP	45	8	MYTILUS SP	SHELL				FRAGMENT < 50%	

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL SITE RECORD
Continuation Sheet

Permanent Trinomial: CA-Ora-222 / March 1985
mo. yr.

Temporary Number:

Agency Designation:

Item No.

Continuation

SITE NAME OR INTERNAL	UNIT TYPE	UNIT NO	QUANTITY	MATERIAL	CLASS	OBJECT 1	OBJECT 2	MODIFICATION 1	MODIFICATION 2	MODIFICATION 3
CA-Ora-222	ZN DIA SURF SAMP	45	1	MYTILUS SP	SHELL				FRAGMENT > 50%	
CA-Ora-222	ZN DIA SURF SAMP	45	12	OSTREA SP	SHELL				FRAGMENT < 50%	
CA-Ora-222	ZN DIA SURF SAMP	45	1	CHIONE SP	SHELL				WHOLE	
CA-Ora-222	ZN DIA SURF SAMP	45	1	CHIONE SP	SHELL				FRAGMENT > 50%	
CA-Ora-222	ZN DIA SURF SAMP	45	34	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-222	ZN DIA SURF SAMP	45	6	PECTEN SP	SHELL				WHOLE	
CA-Ora-222	ZN DIA SURF SAMP	45	1	PECTEN SP	SHELL				FRAGMENT > 50%	
CA-Ora-222	ZN DIA SURF SAMP	45	75	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-222	ZN DIA SURF SAMP	45	1	TIVELA SP	SHELL				FRAGMENT < 50%	
CA-Ora-222	ZN DIA SURF SAMP	46	354	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-222	ZN DIA SURF SAMP	46	3	PECTEN SP	SHELL				WHOLE	
CA-Ora-222	ZN DIA SURF SAMP	46	8	PECTEN SP	SHELL				FRAGMENT > 50%	
CA-Ora-222	ZN DIA SURF SAMP	46	36	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-222	ZN DIA SURF SAMP	46	2	CHIONE SP	SHELL				FRAGMENT > 50%	
CA-Ora-222	ZN DIA SURF SAMP	46	27	OSTREA SP	SHELL				FRAGMENT < 50%	
CA-Ora-222	ZN DIA SURF SAMP	46	1	OSTREA SP	SHELL				WHOLE	
CA-Ora-222	ZN DIA SURF SAMP	46	52	MYTILUS SP	SHELL				FRAGMENT < 50%	
CA-Ora-222	ZN DIA SURF SAMP	46	3	MYTILUS SP	SHELL				FRAGMENT > 50%	
CA-Ora-222	ZN DIA SURF SAMP	46	2	TIVELA SP	SHELL				FRAGMENT < 50%	
CA-Ora-222	ZN DIA SURF SAMP	46	34	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-222	ZN DIA SURF SAMP	46	1	QUARTZITE	CHIPPED STONE	FLAKE	DEBITAGE			
CA-Ora-222	ZN DIA SURF SAMP	47	1	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-222	ZN DIA SURF SAMP	53	3	PECTEN SP	SHELL				WHOLE	
CA-Ora-222	ZN DIA SURF SAMP	53	1	PECTEN SP	SHELL				FRAGMENT > 50%	
CA-Ora-222	ZN DIA SURF SAMP	53	21	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-222	ZN DIA SURF SAMP	53	4	MYTILUS SP	SHELL				FRAGMENT < 50%	
CA-Ora-222	ZN DIA SURF SAMP	53	10	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-222	ZN DIA SURF SAMP	53	4	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-222	ZN DIA SURF SAMP	54	15	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-222	ZN DIA SURF SAMP	54	1	CHIONE SP	SHELL				FRAGMENT > 50%	
CA-Ora-222	ZN DIA SURF SAMP	54	17	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-222	ZN DIA SURF SAMP	54	6	OSTREA SP	SHELL				FRAGMENT < 50%	
CA-Ora-222	ZN DIA SURF SAMP	54	11	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-222	ZN DIA SURF SAMP	55	1	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-222	ZN DIA SURF SAMP	55	1	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-222	ZN DIA SURF SAMP	55	1	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-222	ZN DIA SURF SAMP	56	1	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-222	ZN DIA SURF SAMP	63	0	NO CULTURAL MATERIAL						
CA-Ora-222	ZN DIA SURF SAMP	66	1	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-222	ZN DIA SURF SAMP	66	1	CHIONE SP	SHELL				FRAGMENT < 50%	

14 (5.6%). Minor faunal constituents, each comprising less than 0.5% of total faunal remains, include whelk, Haliotis, Tivela, Astraea, and medium-mammal bone.

19 now ineffective due to bulldozing a gate through it, resulted in the deposition of a considerable sand blanket in the drainage adjacent to the site. In some areas the site was burred and the drainage bottom (a broad wash now) was raised to within 1m. of the site surface. A profile cut in bank along S. margin revealed midden soil extending to 2m., and considerably beneath the present drainage level. Posthole excavations indicate at least two discrete lenses of midden.

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

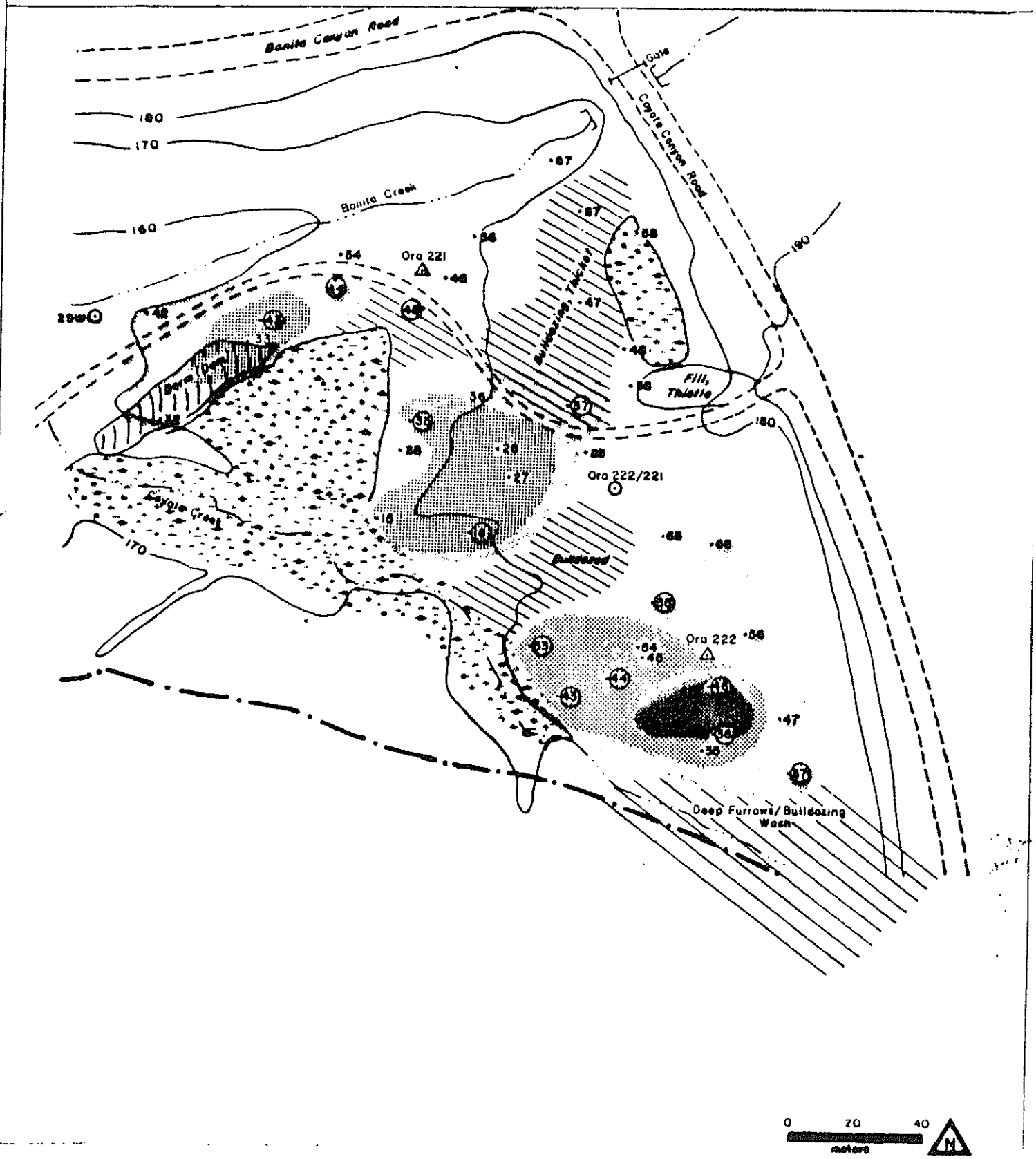
ARCHEOLOGICAL SITE MAP

Page 5 of 8 .

Permanent Trinomial: CA-Ora-222 / March 1985
mo. yr.

Temporary Number: _____

Agency Designation: _____



State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

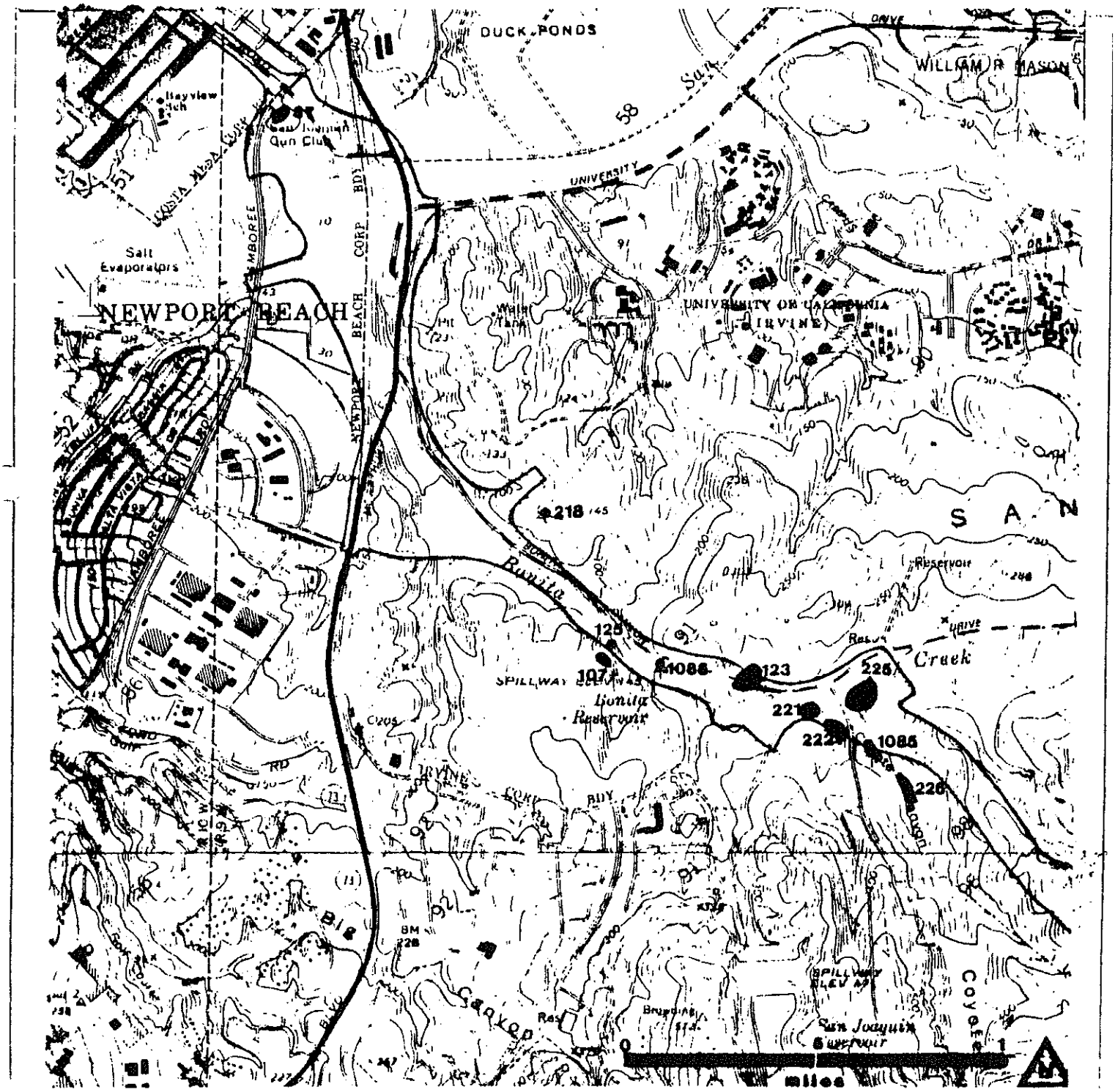
ARCHEOLOGICAL SITE LOCATION MAP

Page 6 of 8

Permanent Trinomial: CA-Ora-222 / March 1985
mo. yr.

Temporary Number: _____

Agency Designation: _____



State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL PHOTOGRAPHIC RECORD

Page 7 of 8.

Permanent Trinomial: Various / April 1985 (mo. / yr.)

Temporary Number:

Agency Designation: San Joaquin Hills Trans. Corridor

Camera and Lens Type	Film Type and Speed	Year
Nikormatt FT-2, 35mm	Plus X, ASA-125, B/W Roll 91-5	1985

Mo.	Day	Time	Exp./Frame	Subject/Description	View Tow.	Accession Number
04	05		3	CA-Ora 222 Profile of creek bank 7 m west of S.U. 43 (scale is 160 cm)	E	
04	05		4	" " "	E	
04	08		5	Ca-Ora 57 View of recent grading in area of construction trailer	E	
04	08		6	CA-Ora 57 Profile of road at? near constr. trailer	S	
04	08		7	CA-Ora 57 Profile of midden area at bluff E. of trailer and S.U. 16-B	W	
04	09		8	Ora-930 Bifacial, shaped mano		
04	09		9	Shelter #1 #1 Rock art, red dots on white looking up on shelter ceiling		
04	09		10	Shelter #1 #2 Rock art, red circles looking up on shelter ceiling		
04	09		11	Shelter #1 #3 Rock art, red lines looking up on shelter ceiling		
04	09		12	Shelter #1 #5 Rock art, red wavy line looking up on shelter ceiling		
04	09		13	Shelter #1 #4 Rock art red line looking up on shelter ceiling		
04	09		14	Shelter #1 #6 Rock art red lines looking up on shelter ceiling undetermined extents #'s		
04	09		15	Shelter #2 #1 Rock art, wavy black lines looking up on shelter ceiling		
04	09		16	Shelter #2 #2-6 Rock art images panel shot, probably won't be clear looking up on shelter ceiling		
04	09		17	Buzzworms Rockshelter entrance	SE	
04	09		18	Buzzworms Rockshelter interior-Wishner at S.U. 1	NW	
04	09		19	Buzzworms S.U. 2 note bedrock at trowel and lower right		

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL PHOTOGRAPHIC RECORD

Page 8 of 8.

Permanent Trinomial: Various / March/April 1985 (mo. / yr.)

Temporary Number:

Agency Designation: San Joaquin Hills Trans. Corridor

Camera and Lens Type	Film Type and Speed	Year
Pentax ME Super 50mm	Kodachrome Asa 64; C/S Roll 91-2	1985

Mo.	Day	Time	Exp./Frame	Subject/Description	View Tow.	Accession Number
03	31		2	Rockshelter 4 Shelter A entrance	n	
03	31		3	Rockshelter 4 S.U. 1 at shelter A		
03	31		4	" " " (scale =1m)		
03	31		5	Ora-125-A View of shelter, S.U. crew in front	w	
03	31		6	" " " "	e	
03	31		7	Ora-125-A Interior view of shelter	e	
03	31		8	Crew recording S.U. 3	n	
04	01		10	Basin metate frag CA-Ora 930		
04	01		11	CA-Ora 930 2 Manos		
04	01		12	CA-Ora 930 2 Hammerstong, 1 mano		
04	01		13	" " " "		
04	01		14	CA-Ora 930 View north to deflated area	n	
04	01		15	CA-Ora 930 View south to deflated area	s	
04	01		16	CA-Ora 389 Crew clearing S.U. 76	nw	
04	01		17	CA-Ora 389 Bifacially ground (beveled) mano	nw	
04	01		18	CA-Ora 389 Animal burrow tailings-note shell	n	
04	01		19	CA-Ora 389 " " " "	n	
04	01		20	Quartz core CA-Ora 389		
04	04		21	CA-Ora 689 Overview of shelter & crew	nw	
04	04		22	" " " "	nw	
04	04		23	" " " "	n	
04	04		24	" " " "	n	
04	05		25	CA-Ora 125 View of shelter from hillside across Bonita Creek	se	
04	05		26	CA-Ora 125 View of shelter from hilltod across Bonita Creek	se	
04	05		27	CA-Ora 107 View of site from hilltop to north-Bob & Jill Excavating P.H.	s	
04	05		28	" " " "	s	
04	05		29	CA-Ora 226-A Overview from hill to east	w	
04	05		30	CA-Ora 225 Overview from hill to east Ora 123 in left distance at road	w	
04	05		31	CA-Ora 225 Octagonal foundation on west side of site	s sw	
04	05		32	CA-Ora 222 Profile of creek bank 7 m west of S.U. 43 (scale is 160 cm)	e	
04	05		33	" " " "	e	
04	08		34	CA-Ora 57 View of recent grading in area of construction trailer	e	
04	08		35	CA-Ora 57 midden as slopewash below S.U. 28-B	w	

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
CONTINUATION SHEET

Primary # 30-000225
HRI#
Trinomial CA-ORA-225

Page 1 of 1 *Resource Name or # (Assigned by recorder)

*Recorded by: P. Fulton *Date: 12/22/2008 ☐ Continuation ☒ Update

Site 30-000225 is plotted extending from between northbound State Route 73 (SR-73) and the northbound off-ramp to Bonita Canyon Road on the south to approximately 250 feet north of the off-ramp on the north. The site has been completely destroyed by construction of SR-73 and residential development.

Overview from the southwest edge of the plotted site location. View to the northeast.

University of California

MAPPED

ARCHAEOLOGICAL SITE SURVEY RECORD

1. Site Ora-225 2. Map USGS Tustin Quad. 3. County Orange

4. Twp. 6 S Range 9 W; SE 1/4 of NE 1/4 of Sec. 9 [91

5. Location low hill 500-600' NE of east corner of Bonita Canyon Rd. and Coyote Canyon About 700' north of Coyote Creek and 100' east of Bonita Creek, approximately 1/4 mile NE of end of Bonita Lake 6. On contour elevation 200-220'

7. Previous designations for site none

8. Owner Irvine Co. 9. Address 13042 SW Myford Rd., Tustin

10. Previous owners, dates same

11. Present tenant same

12. Attitude toward excavation permission can be obtained

13. Description of site typical shell midden occupying the top of a low hill that slopes to the south to Coyote Creek and west to Bonita Creek

14. Area 270' E & W; 200' N & S 15. Depth not checked. 16. Height

17. Vegetation dove weed 18. Nearest water Bonita Creek 1000' south
eucalyptus trees, oats,

19. Soil of site dark brown to black adobe soil 20. Surrounding soil type tan adobe

21. Previous excavation none

22. Cultivation extensive 23. Erosion some

24. Buildings, roads, etc. Bonita Canyon Rd. 100' to west; Coyote Canyon Rd. 150' south

25. Possibility of destruction probable in next 5 years, part of UCI City

26. House pits none

27. Other features none

28. Burials none

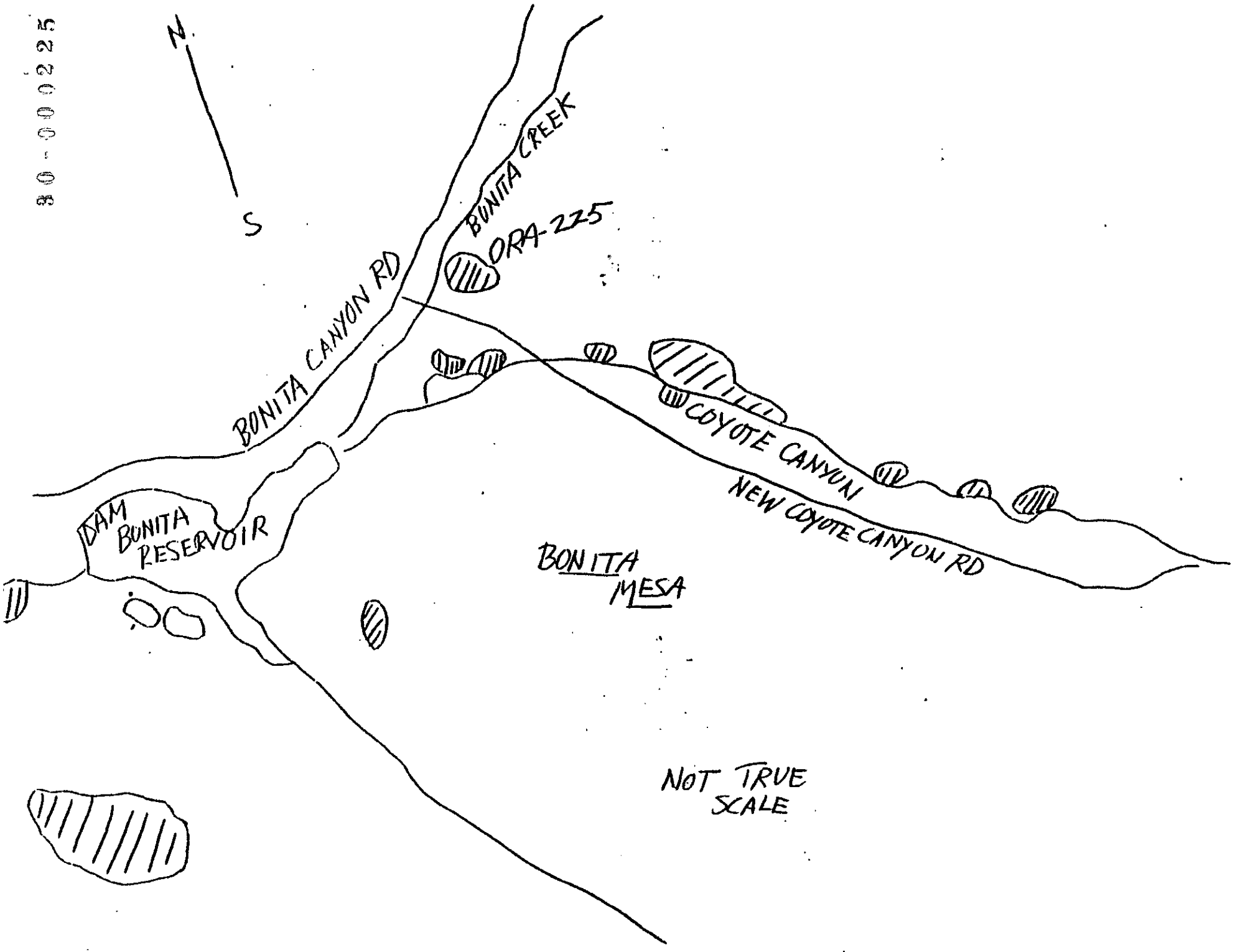
29. Artifacts tar stones, chipping waste, chert, jasper etc. Point, bowl fragments, mano fragments, cobble choppers, scrapers. Shell: abalone, chione, clam (2), scallop, muswels, oyster, moonsnail, wavy top; shell concentration heavier west and.

30. Remarks Apparently least ranch ~~buildings~~ buildings occupied site in historic times. Debris left.

31. Published references none

32. Accession No. 33. Sketch map on back

34. Date 11/27/66 35. Recorded by Hafner 36. Photos


30-00225
N
S
BONITA CREEK
ORA-225
BONITA CANYON RD
COYOTE CANYON
NEW COYOTE CANYON RD
DAM
BONITA
RESERVOIR
BONITA
MESA
NOT TRUE
SCALE

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL SITE RECORD

Permanent Trinomial: CA-Ora-225 Supplement [X]

Temporary Number: Nemo House Site

Page 1 of 10 .

Agency Designation:

1. County: Orange

2. USGS Quad: Tustin, CA (7.5') 1965 (15') Photorevised 1972

3. UTM Coordinates: Zone 11 / 422255 Easting / 3721398 Northing (X)

4. Township 6S Range 9W ; SE ¼ of SE ¼ of SW ¼ of SE ¼ of Section 91 Base (Mer.) SBR ( )

5. Map Coordinates: 546 mmS 141 mmE (from NW corner of map) 6. Elevation 200'

7. Location: On knoll at SE corner of intersection between Bonita Canyon Rd. and Coyote Canyon Rd.; site datum is 480' SE of intersection. ( )

8. Prehistoric X Historic X Protohistoric 9. Site Description: Moderate size shallow shell midden exhibiting a high diversity of historic and prehistoric remains. Prehistoric remains occur in low to moderate densities (1-73/M^2). Surface results indicate two loci, but the separation of these may be due to historic disturbance (e.g. grading). ( )

10. Area: 130 m(length)x 110, m(width) m^2. Method of Determination: Compass and Pacing. ( )

11. Depth: 80 cm Method of Determination: 20cm. dia. postholes excavated in 10cm. levels

12. Features: Pipes, well- house, water-tank foundation, Eucalyptus and Pepper trees from historic Nemo residence still present. ( )

13. Artifacts: 11 burnt rocks of Metarhyolite, sandstone, felsite, and misc. rocks, 2 cores (1 felsite, 1 basalt) 5 flakes (1 metarhyolite, 3 chert, and 1 quartzite), and 3 debitage (1 metarhyolite, 2 quartzite). ( )

14. Non-Artifactual Constitutients: Low to moderate density shell midden, the major faunal constituents being Pecten (33.6%), Misc. shell (28.2%), Chione (23.7%), Ostrea (8.4%), (X)

15. Date Recorded: April 5, 1985 16. Recorded By: Macko et al. PCAS 1966. ( )

17. Affiliation and Address: ( )

DPR 422A (Rev. 8/82)

APPLIED CONSERVATION TECHNOLOGY, INC.
14340 Bolsa Chica Road, Suite E
Westminster, California 92683

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL SITE RECORD

Permanent Trinomial: CA-Ora-225 / April (mo.) 1985 (yr.)

Temporary Number: Nemo House Site

Agency Designation:

18. Human Remains: none noted

19. Site Integrity: Fair to Good. Considerable historic disturbance, including house construction, pipe placement, grazing, and cultivation, has occurred.

20 Nearest Water (type, distance and direction): intermittent Bonita Canyon creek, 70m. north

21. Largest Body of Water within 1 km (type, distance and direction): S/A

22 Vegetation Community (site vicinity). Coastal sagebrush, riparian. [Plant List ( )]

23 Vegetation Community (on site). open grass-land, pepper tree, eucalyptus tree [Plant List ( )]

References for above.

24. Site Soil: Clay loam ( )

25. Surrounding Soil: brn clay ( )

26. Geology: older alluvium ( )

27. Landform: Creek terrace/knoll ( )

28. Slope: 0-10% ( )

29. Exposure: ( )

30. Landowner(s) (and/or tenants) and Address: The Irvine Company.

31. Remarks.

32. References: Cottrell 1977; Tadlock & Tadlock 1979; Van Horn 1983; Macko and Weil 1985.

33. Name of Project: San Joaquin Hills Transportation Corridor. Stage 1.

34. Type of Investigation: Intensive survey/stratified random surface sampling with twenty-nine X

35. Site Accession Number: Curated At: ( )

36. Photos. Roll 91-3: exp. 34. Taken By: M. Macko, B. Helman ( )

37 Photo Accession Number 91 On File At: APPLIED CONSERVATION TECHNOLOGY, INC. 14340 Bolsa Chica Road, Suite E Westminster, California 92683

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL SITE RECORD
Continuation Sheet

Permanent Trinomial: CA-Ora-225 / April 1985 (mo. / yr.)

Temporary Number: Nemo House Site

Agency Designation:

Item No.

Continuation

SITE NAME OR TRINOMIAL	UNIT TYPE	UNIT NO	QUANTITY	MATERIAL	CLASS	OBJECT 1	OBJECT 2	MODIFICATION 1	MODIFICATION 2	MODIFICATION 3
CA-Ora-225	2M DIA SURF SAMP	1	11	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	1	7	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	13	1	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	13	1	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	14	4+	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	14	2	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	14	1	CHIONE SP	SHELL				FRAGMENT > 50%	
CA-Ora-225	2M DIA SURF SAMP	14	11	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	14	1	METAMORPHOLITE	CHIPPED STONE	FLAKE	PRIMARY			
CA-Ora-225	2M DIA SURF SAMP	14	1	BASALT	CHIPPED STONE	CORE				
CA-Ora-225	2M DIA SURF SAMP	14	1	METAMORPHOLITE	CHIPPED STONE	FLAKE	SECONDARY			
CA-Ora-225	2M DIA SURF SAMP	14	1	METAMORPHOLITE	BURNT ROCK					
CA-Ora-225	2M DIA SURF SAMP	14	36	BONES	HISTORIC					
CA-Ora-225	2M DIA SURF SAMP	15	0	NO CULTURAL MATERIAL						
CA-Ora-225	2M DIA SURF SAMP	16	1	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	23	2	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	24	15	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	24	29	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	24	3	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	24	18	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	24	1	ARTICULA SP	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	24	1	CHERT	CHIPPED STONE	FLAKE	SECONDARY			
CA-Ora-225	2M DIA SURF SAMP	25	1	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	25	3	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	25	1	METAL	HISTORIC	NAIL	WIRE			CORRODED
CA-Ora-225	2M DIA SURF SAMP	26	1	METAMORPHOLITE	BURNT ROCK				-	
CA-Ora-225	2M DIA SURF SAMP	26	3	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	27	2	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	27	1	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	27	1	SANDSTONE	BURNT ROCK					
CA-Ora-225	2M DIA SURF SAMP	31	1	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	33	1	MYTILUS SP	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	33	1	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	34	7	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	34	1	TIVELA SP	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	34	2	OSTREA SP	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	34	1	CHIONE SP	SHELL				FRAGMENT > 50%	
CA-Ora-225	2M DIA SURF SAMP	34	-	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	35	1	UNIDENT STONE	BURNT ROCK					
CA-Ora-225	2M DIA SURF SAMP	35	1	CHERT	CHIPPED STONE					HEAT TREATED
CA-Ora-225	2M DIA SURF SAMP	35	11	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	35	1	CHIONE SP	SHELL				WHOLE	
CA-Ora-225	2M DIA SURF SAMP	35	0	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	35	11	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	36	1	PECTEN SP	SHELL				WHOLE	
CA-Ora-225	2M DIA SURF SAMP	36	1	CHIONE SP	SHELL				FRAGMENT > 50%	
CA-Ora-225	2M DIA SURF SAMP	36	3	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	36	7	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	36	10	MISC. SHELL	SHELL				FRAGMENT < 50%	

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL SITE RECORD
Continuation Sheet

Permanent Trinomial: CA-Ora-225 , April 1985
(mo. yr.)

Temporary Number: Nemo House Site

Agency Designation:

Item No.

Continuation

SITE NAME OR TRINOMIAL	UNIT TYPE	UNIT NO	QUANTITY	MATERIAL	CLASS	OBJECT 1	OBJECT 2	MODIFICATION 1	MODIFICATION 2	MODIFICATION 3
CA-Ora-225	2M DIA SURF SAMP	37	1	QUARTZITE	CHIPPED STONE	FLAKE	SECONDARY			
CA-Ora-225	2M DIA SURF SAMP	37	1	QUARTZITE	CHIPPED STONE	FLAKE	DEBITAGE			
CA-Ora-225	2M DIA SURF SAMP	37	39	CHITONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	37	3	CHITONE SP	SHELL				FRAGMENT > 50%	
CA-Ora-225	2M DIA SURF SAMP	37	1	CHITONE SP	SHELL				WHOLE	
CA-Ora-225	2M DIA SURF SAMP	37	130	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	37	2	PECTEN SP	SHELL				WHOLE	
CA-Ora-225	2M DIA SURF SAMP	37	2	PECTEN SP	SHELL				FRAGMENT > 50%	
CA-Ora-225	2M DIA SURF SAMP	37	27	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	37	15	MYTILUS SP	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	37	7	OSTREA SP	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	38	0	NO CULTURAL MATERIAL						
CA-Ora-225	2M DIA SURF SAMP	44	1	CHITONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	44	1	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	45	3	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	45	1	TIN	HISTORIC					
CA-Ora-225	2M DIA SURF SAMP	45	1	SILVER PLATED	HISTORIC	DOMESTIC	SPOON			
CA-Ora-225	2M DIA SURF SAMP	46	1	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	47	45	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	47	1	TIVELA SP	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	47	17	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	47	9	CHITONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	54	4	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	54	1	CHITONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	54	1	UNIDENT. STONE	BURNT ROCK					
CA-Ora-225	2M DIA SURF SAMP	54	1	LARGE ANIMAL	BONE					
CA-Ora-225	2M DIA SURF SAMP	54	1	CERAMIC	HISTORIC					
CA-Ora-225	2M DIA SURF SAMP	54	2	GLASS	HISTORIC					
CA-Ora-225	2M DIA SURF SAMP	55	23	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	55	21	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	55	22	CHITONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	55	1	MYTILUS SP	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	55	1	HALIOTIS SP	SHELL				FRAGMENT > 50%	
CA-Ora-225	2M DIA SURF SAMP	55	1	FELSITE	CHIPPED STONE	CORE				
CA-Ora-225	2M DIA SURF SAMP	56	7	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	56	1	CHITONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	57	40	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	57	23	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	57	11	CHITONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	57	1	QUARTZITE	CHIPPED STONE	FLAKE	DEBITAGE			
CA-Ora-225	2M DIA SURF SAMP	57	1	METAMORPHITE	BURNT ROCK					
CA-Ora-225	2M DIA SURF SAMP	57	1	FELSITE	BURNT ROCK					
CA-Ora-225	2M DIA SURF SAMP	57	2	MEDIUM ANIMAL	BONE					
CA-Ora-225	2M DIA SURF SAMP	58	0	NO CULTURAL MATERIAL				SHELL		
CA-Ora-225	2M DIA SURF SAMP	59	1	TIVELA SP	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	59	1	OSTREA SP	SHELL				FRAGMENT > 50%	
CA-Ora-225	2M DIA SURF SAMP	59	82	OSTREA SP	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	59	2	CHITONE SP	SHELL				FRAGMENT > 50%	
CA-Ora-225	2M DIA SURF SAMP	59	101	CHITONE SP	SHELL				FRAGMENT < 50%	

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL SITE RECORD
Continuation Sheet

Permanent Trinomial: CA-Ora-225 / April 1985
mo. yr.

Temporary Number: Nemo House Site

Agency Designation:

Item No.

Continuation

SITE NAME OR INTERNAL	UNIT TYPE	UNIT NO	QUANTITY	MATERIAL	CLASS	OBJECT 1	OBJECT 2	MODIFICATION 1	MODIFICATION 2	MODIFICATION 3
CA-Ora-225	2M DIA SURF SAMP	59	1	Crepidula sp	SHELL				WHOLE	
CA-Ora-225	2M DIA SURF SAMP	59	1	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	59	40	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	59	2	PECTEN SP	SHELL				WHOLE	
CA-Ora-225	2M DIA SURF SAMP	59	1	PECTEN SP	SHELL				FRAGMENT > 50%	
CA-Ora-225	2M DIA SURF SAMP	59	128	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	59	14	MYTILUS SP	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	59	11	HALIOTIS SP	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	59	1	CHERT	CHIPPED STONE	FLAKE	SECONDARY			
CA-Ora-225	2M DIA SURF SAMP	59	5	UNDIFF. STONE	BURNT ROCK					
CA-Ora-225	2M DIA SURF SAMP	59	1	CERAMIC	HISTORIC					
CA-Ora-225	2M DIA SURF SAMP	60	1	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	60	6	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	60	5	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-225	2M DIA SURF SAMP	60	1	GLASS	HISTORIC					
CA-Ora-225	2M DIA SURF SAMP	61	1	MISC. SHELL	SHELL				FRAGMENT < 50%	

14 Mytilus (2.9%), and Haliotis (1.0%). Minor faunal constituents, each comprising less than 0.5% of total faunal, include Neveritia, Tivela, Crepidula, and medium- and large-size mammal bone.

34 2m. diam. units and stratified subsurface sampling with postholes of 11 surface unit

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

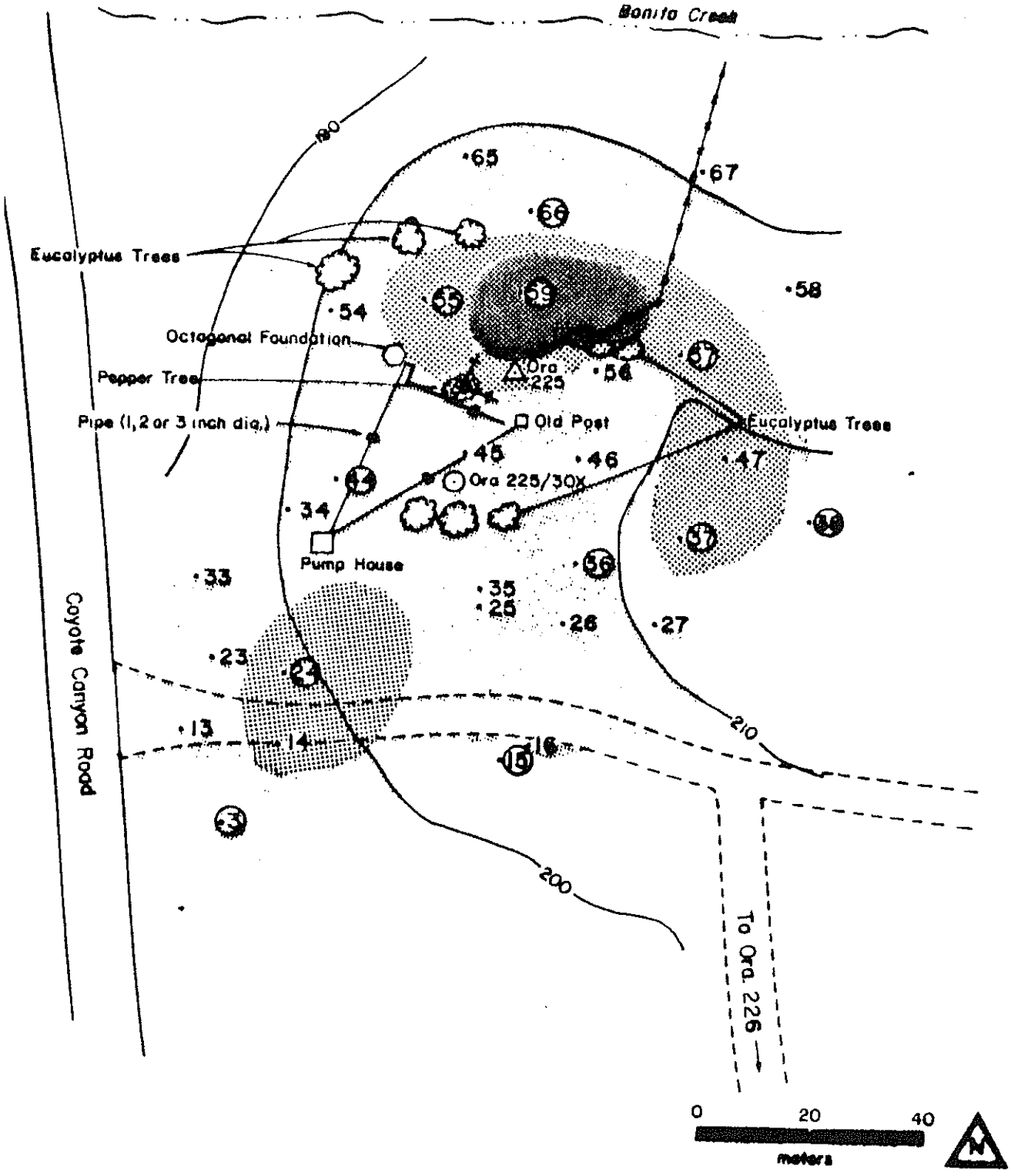
ARCHEOLOGICAL SITE MAP

Page 6 of 10 .

Permanent Trinomial: CA-Ora-225 / April 1985
(mo.) (yr.)

Temporary Number: Nemo House Site

Agency Designation:



State of California -- The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

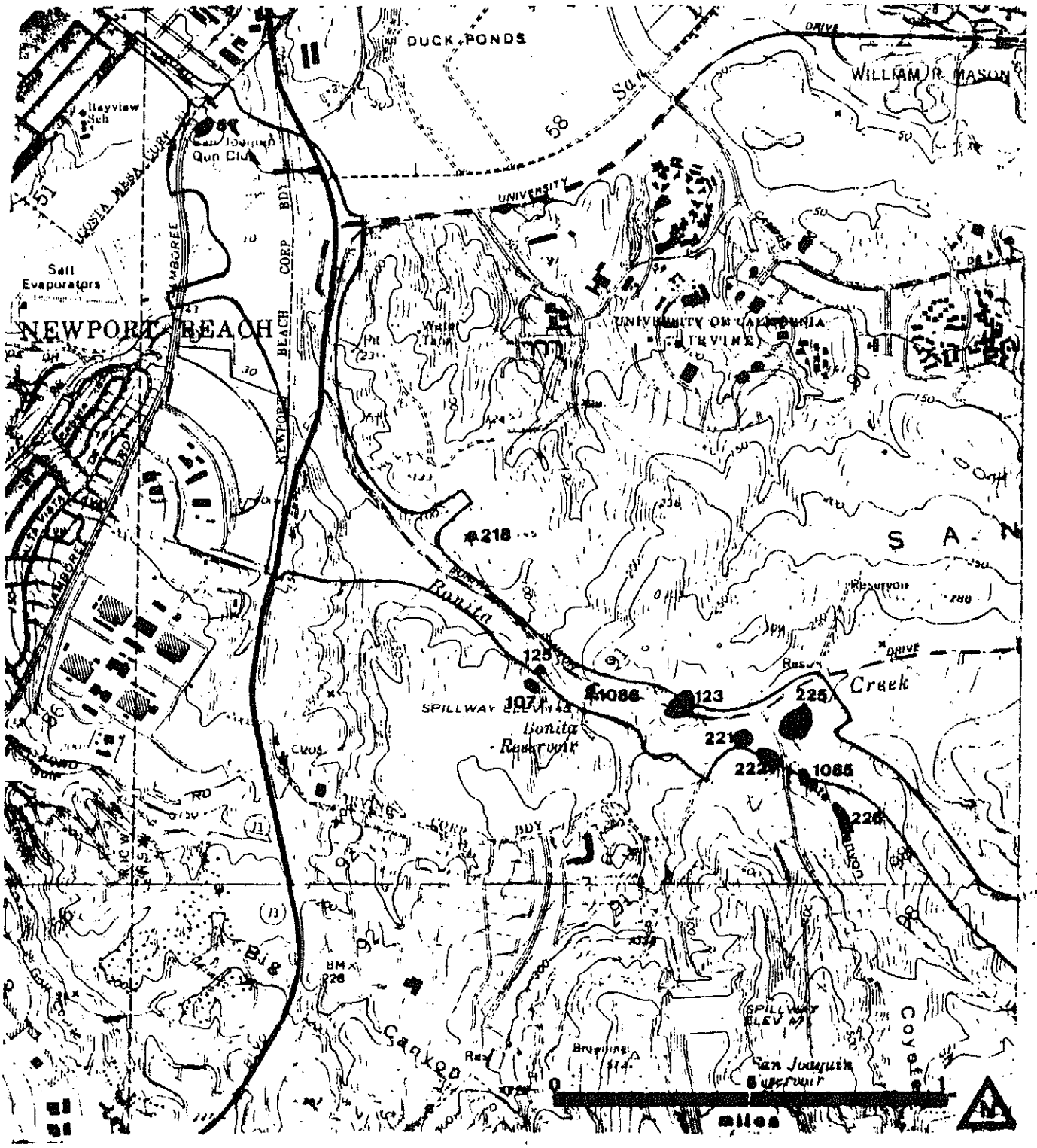
ARCHEOLOGICAL SITE LOCATION MAP

Page 7 of 10

Permanent Trinomial: CA-Ora-225 / April (mo.) 1985 (yr.)

Temporary Number: Nemo House Site

Agency Designation:



30-000225

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL PHOTOGRAPHIC RECORD

Page 8 of 10.

Permanent Telephoto: Various / April 1985 (mo. / yr.)

Temporary Number:

Agency Designation: San Joaquin Hills Trans. Corridor

Camera and Lens Type	Film Type and Speed	Year
Nikormatt FT-2 35mm	Plus X, ASA-125, B/W Roll 91-3	1985

Mo.	Day	Time	Roll/Frame	Subject/Description	View Tow.	Accession Number
04	01		2	Rockshelter 5 interior wall		
04	01		3	Rockshelter 6		
04	01		4	Rockshelter 5&6		
04	01		5	Rockshelter 5&6		
04	01		6	Rockshelter 5		
04	01		7	Rockshelter 6		
04	01		8	View from rockshelter 5 to Signal Peak		
04	01		9	S.U. 3		
04	01		10	Rockshelter 6		
04	01		11	Petroglyph at rockshelter 3		
04	01		12	Ora 930 Basin metate frag		
04	01		13	" " "		
04	01		14	Ora 930 2 Manos (1 fragged)		
04	01		15	" " "		
04	01		16	Ora 930 2 Hammerstones, 1 mano		
04	01		17	" " "		
04	01		18	Ora 930 View north toward deflated area	N	
04	01		19	" " "	N	
04	01		20	Ora 930 View south toward deflated area	S	
04	01		21	Ora 389 Mano-bifacial/beveled		
04	01		22	" " "		
04	01		23	Ora 389 Burrow tailing-note shell in backdirt	N	
04	01		24	" " "	N	
04	01		25	Ora 389 Quartz core		
04	01		26	" "		
04	04		27	CA-Ora-689 View of shelter and crew	NW	
04	04		28	" " "	N	
04	04		29	" " "	N	
04	05		30	CA-Ora 125 View of shelter from hillside across Bonita Creek	SE	
04	05		31	" " "	SE	
04	05		32	CA-Ora 125 View of shelter from hilltop across Bonita Creek	SE	
04	05		33	" " "	SE	
04	05		34	CA-Ora-107 View of site from hilltop to north Bob & Jill excavation P.H.	S	
04	05		35	" " "	S	
04	05		36	CA-Ora-225 Overview from hill to east	W	
04	05		37	CA-Ora-226-A Overview from hill to east	W	

30-000225

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL PHOTOGRAPHIC RECORD

Page 9 of 10.

Permanent Trinomial: Various / March/April 1985 (mo. / yr.)

Temporary Number:

Agency Designation: San Joaquin Hills Trans. Corridor

Camera and Lens Type	Film Type and Speed	Year
Pentax ME Super 50mm	Kodachrome Asa 64; C/S Roll 91-2	1985

Mo.	Day	Time	Exp./Frame	Subject/Description	View Tow.	Accession Number
03	31		2	Rockshelter 4 Shelter A entrance	n	
03	31		3	Rockshelter 4 S.U. 1 at shelter A		
03	31		4	" " " (scale =1m)		
03	31		5	Ora-125-A View of shelter, S.U. crew in front	w	
03	31		6	" " " "	e	
03	31		7	Ora-125-A Interior view of shelter	e	
03	31		8	Crew recording S.U. 3	n	
04	01		10	Basin metate frag CA-Ora 930		
04	01		11	CA-Ora 930 2 Manos		
04	01		12	CA-Ora 930 2 Hammerstong, 1 mano		
04	01		13	" " " "		
04	01		14	CA-Ora 930 View north to deflated area	n	
04	01		15	CA-Ora 930 View south to deflated area	s	
04	01		16	CA-Ora 389 Crew clearing S.U. 76	nw	
04	01		17	CA-Ora 389 Bifacially ground (beveled) mano	nw	
04	01		18	CA-Ora 389 Animal burrow tailings-note shell	n	
04	01		19	CA-Ora 389 " " " "	n	
04	01		20	Quartz core CA-Ora 389		
04	04		21	CA-Ora 689 Overview of shelter & crew	nw	
04	04		22	" " " "	nw	
04	04		23	" " " "	n	
04	04		24	" " " "	n	
04	05		25	CA-Ora 125 View of shelter from hillside across Bonita Creek	se	
04	05		26	CA-Ora 125 View of shelter from hilltod across Bonita Creek	se	
04	05		27	CA-Ora 107 View of site from hilltop to north-Bob & Jill Excavating P.H.	s	
04	05		28	" " " "	s	
04	05		29	CA-Ora 226-A Overview from hill to east	w	
04	05		30	CA-Ora 225 Overview from hill to east Ora 123 in left distance at road	w	
04	05		31	CA-Ora 225 Octagonal foundation on west side of site	s sw	
04	05		32	CA-Ora 222 Profile of creek bank 7 m west of S.U. 43 (scale is 160 cm)	e	
04	05		33	" " " "	e	
04	08		34	CA-Ora 57 View of recent grading in area of construction trailer	e	
04	08		35	CA-Ora 57 midden as slope wash below S.U. 28-B	w	

30-000225

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL PHOTOGRAPHIC RECORD

Page 10 of 10.

Permanent Trinomial: Various /March/April 1985 (mo. yr.)

Temporary Number:

Agency Designation: San Joaquin Hills Trans. Corridor

Camera and Lens Type	Film Type and Speed	Year
Nikormatt Ft.4 35/200mm	Kodachrome Asa-64; C/S Roll 91-3	1985

Mo.	Day	Time	Exp./Frame	Subject/Description	View Tow.	Accession Number
03	31		2-4	R.S. 5&6 Overview from road to towers	NE	
03	31		5-7	R.S. 3&4 Overview from road to towers		
03	31		8	CA-Ora 107 Bob and Jill Exc postholes view from hilltop to north of site	E	
03	31		9	CA-Ora 225 Overview from hill to east	NW	
03	31		10	CA-Ora 123 Overview from hill above Ora-125	NW	
03	31		11	" " "	NW	
03	31		12	" " "	NW	

Permanent Trinomial: CA-Ora-225
Other Designations: Nemo House Site
Update: XX

ARCHEOLOGICAL SITE RECORD

1. County: Orange.

2. USGS Quad: Tustin (7.5') 1965 (15') ___ Photorevised 1972.

3. UTM Coordinates: Zone 11 422255 m Easting 3721398 m Northing (__).

4. Township 6S Range 9W:SE ¼ of SE ¼ of SW ¼ of SE ¼ of Section 91
Base Meridian SBR (__).

5. Map Coordinates: 546 mmS 141 mmE (From NW corner of map) (__).

6. Elevation: 200 feet (__).

7. Location: On knoll at SE corner of intersection between Bonita Canyon Road and Coyote Canyon Road; site datum is 480' SE of intersection (__).

8. Prehistoric XX Historic XX Protohistoric ___ (__).

9. Site Description: Residential base: central base or semi-permanent village site (__).

10. Area 130 m(NS) x 110 m(EW) 11,230 m^2
Method of Determination: Compass and Pacing (__).

11. Depth: 80 cm. Method of Determination: 20cm dia. postholes excavated in 10cm levels (__).

12. Features: Pipes, well-house, water tank foundation, Eucalyptus and Pepper trees from historic Nemo residence still present. (__).

13. Artifacts: Projectile point, flaked stone tools, debitage, groundstone (possible pestle) (__).

14. Non-Artifactual Constituents and Faunal Remains: Shell (Argopecten, Chione, Ostrea, Mytilus); vertebrate fauna (rabbit, jackrabbit, ground squirrel, deer-sized mammal, small to medium sized mammal, unidentified rodent) (__).

15. Date Recorded: March 18, 1991: update (__).

16. Recorded By: P. de Barros, previously recorded by M. Macko (__).

17. Affiliation and Address: Chambers Group, Inc. 1761-A East Garry Avenue, Santa Ana, California 92705 (__).

See Continuation Sheet (X)

Permanent Trinomial: CA-Ora-225
Other Designations: Nemo House Site
Date: March 18, 1991

ARCHEOLOGICAL SITE RECORD

18. Human Remains: None noted (__).

19. Site Disturbances: Considerable historic disturbance, including house construction, pipe placement, grazing, and cultivation, has occurred (__).

20. Nearest Water (Type, distance and direction): intermittent Bonita Canyon Creek, 70m north (__).

21. Vegetation Community (site vicinity): Coastal sagebrush, riparian (__).

22. Vegetation (on site): Open grass-land, pepper tree, eucalyptus tree (__).

23. Site Soil: Grayish brown clay loam (10YR 3 to 4) (__).

24. Surrounding Soil: Brown silty clay (__).

25. Geology: Quaternary fluvial deposits (__).

26. Landform: Creek terrace/knoll (__).

27. Slope: 0-10% (__).

28. Exposure: Open (__).

29. Landowner(s) (and/or tenants) and Address: The Irvine Company (__).

30. Remarks: Site has been determined eligible for listing on the National Register of Historic Places (NRHP), however, the site will be destroyed by the construction of the San Joaquin Hills Transportation Corridor. (__).

31. References: Final Test Investigation Report and Request for Determination of Eligibility for 23 Sites Along the San Joaquin Hills Transportation Corridor, Volume I, prepared for the Transportation Corridor Agencies by Chambers Group, Inc., June, 1990; previously filed site record (__).

32. Name of Project: San Joaquin Hills Transportation Corridor (__).

33. Type of Investigation: Testing Phase (__).

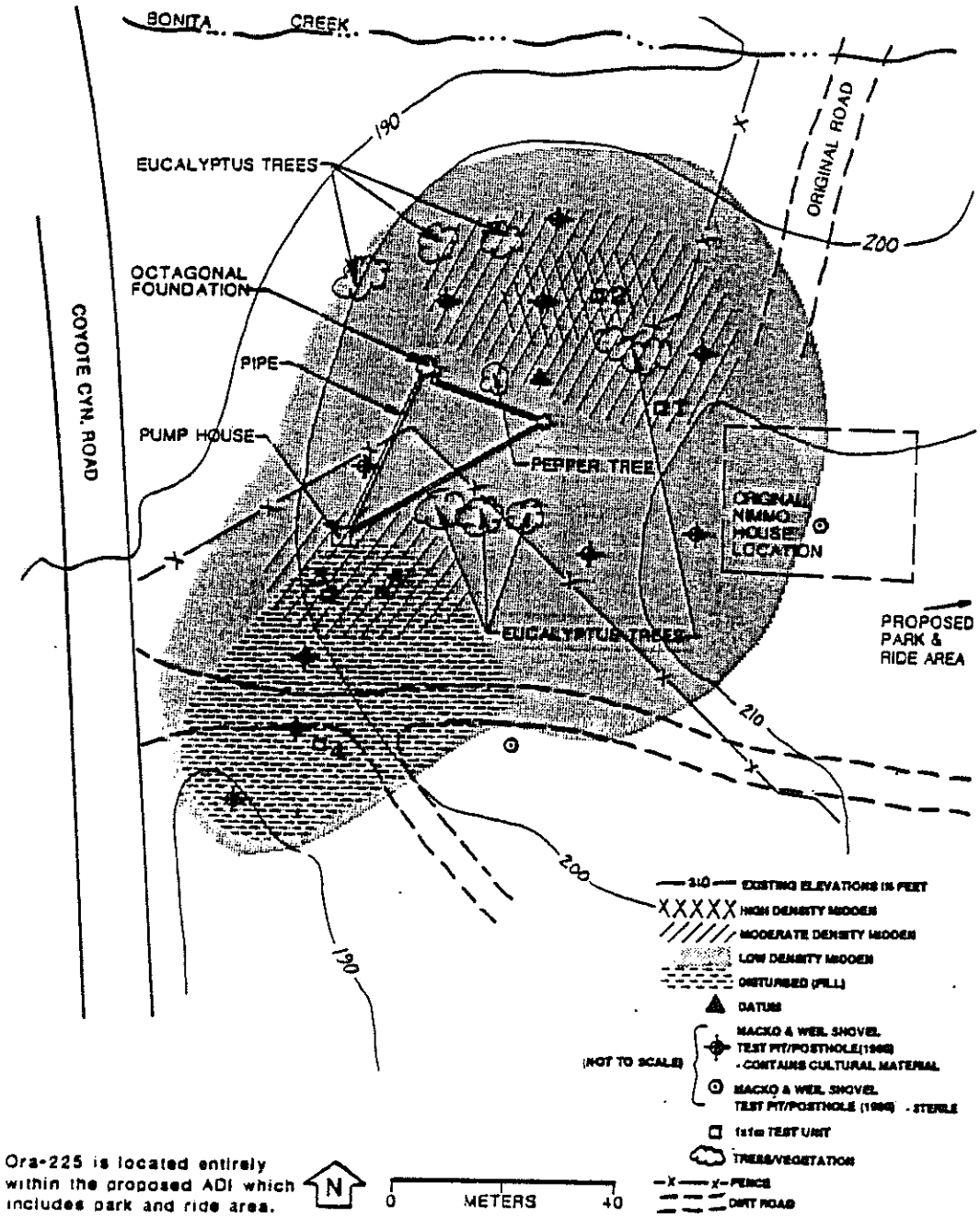
34. Site Accession Number:
Curated At: Museum of Natural History and Science, 150 Columbia Street, Aliso Viejo, California 92656 (__).

35. Photos: On file with Chambers Group, Inc. (__).

See Continuation Sheet (X)

Permanent Trinomial: CA-Ora-225
Other Designations: Nemo House Site
Date: March 18, 1991

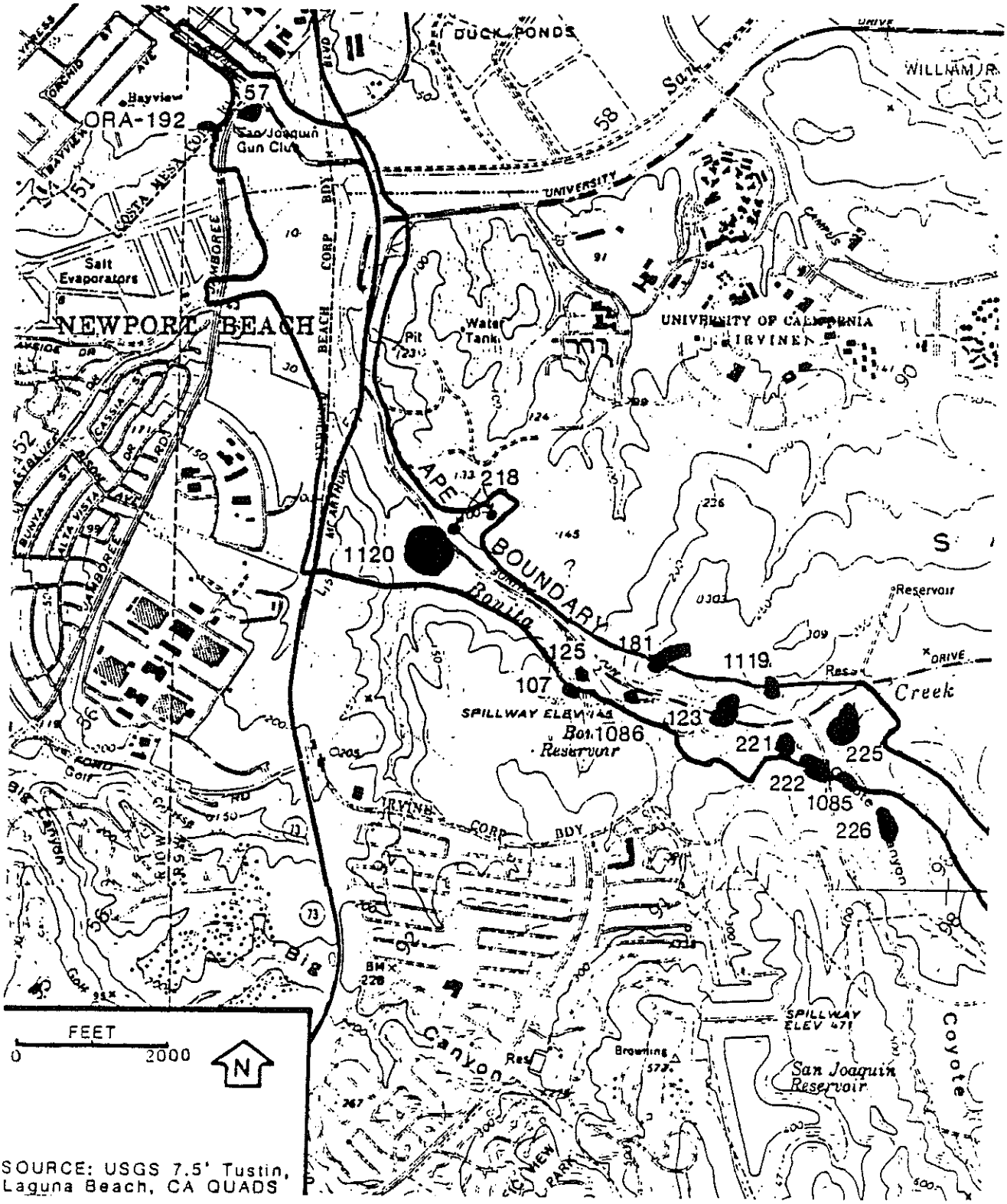
ARCHEOLOGICAL SITE MAP



Ora-225 is located entirely within the proposed ADI which includes park and ride area.

Permanent Trinomial: CA-Ora-225
Other Designations: Nemo House Site
Date: March 18, 1991

ARCHEOLOGICAL SITE LOCATION MAP



SOURCE: USGS 7.5' Tustin, Laguna Beach, CA QUADS

ARCHAEOLOGICAL SITE SURVEY RECORD

PERMANENT TRINOMIAL: CA-ORA-225/H
TEMPORARY SITE NO.: Ha-4 (Nimmo House Site)
AGENCY DESIGNATION: _____
Supplement x (historic component)

Page 1 of 7 [see attached AI/E form for structures]

1. County: Orange County

2. USGS Quadrangle: Tustin (7.5)XXXX(15) Year 1981

3. Zone: 11 /; 422255 Easting; 3721398 Northing

4. Township 6S ; Range 9W ;(X)1/4(X)1/4(X)1/4(X)1/4; Section (X)

5. Map Coordinates: 546 mm South; 141 mm East

6. Elevation: 200 feet above sea level

7. Location: Just southeast of intersection of Newport Coast Drive and Bonita Canyon Road. Accessed by taking old access road to the Coyote Canyon Landfill (now fenced off).

8. Prehistoric: X ; Historic: X ; Protohistoric: _____

9. Site Description: Reported remains of the B.F. Nimmo property leased from the Irvine Ranch ca. 1900-1940; current remains include later period well/pumphouse and cistern/trough; eucalyptus and pepper trees; eroded pipes; very sparse scatter of historic debris. Prehistoric component already updated.

10. Area: 130 m by 110 m = 11,230 m2; Meth./Det.: tapes

11. Depth: 40-60 cm Meth./Det.: test excavations by de Barros and Koerper 1990; prehistoric component up to 80 cm.

12. Features: 1) well/pump house (about 6' by 6' by 8' high; pump still inside; associated pipes); 2) octagonal cistern/ trough (12.5 feet in diameter. House area not identified (X)

13. Artifacts: small fragments of glass, ceramics, metal artifacts; few temporally diagnostic items (de Barros and Koerper 1990).

14. Non-Artifactual Constituents: two cow bone fragments recovered during test excavations (de Barros and Koerper 1990)

15. Date Recorded: July 14, 1993

16. Recorded By: Jeanette A. McKenna

17. Affiliation and Address: for Chambers Group, 16700 Aston St. P.O. Box 57002, Irvine, CA 92619-7002

ARCHAEOLOGICAL SITE SURVEY RECORD

PERMANENT TRINOMIAL: CA-ORA-225/H
TEMPORARY SITE NO.: Ha-4 (Nimmo)
AGENCY DESIGNATION: _____

18. Human Remains: none observed

19. Site Integrity: historic component (Nimmo House) destroyed

20. Nearest Water (Distance/Direction): Bonita Creek adj. to north

21. Largest Body of Water Within 1 Km: Bonita Canyon Reservoir (SW)

22. Vegetation (site vicinity): introduced grasses, riparian in Bonita and Coyote Creeks

23. Vegetation (on site): introduced grasses and trees

24. Site Soil: grayish brown clay loam

25. Surrounding Soil: brown silty clay

26. Geology: Quaternary fluvial deposits

27. Landform: terrace/knoll above creek

28. Slope: 0-10%

29. Exposure: open

30. Landowners: Irvine Company

31. Remarks: Pump house and well/trough identified as modern features. No evidence of historic occupation identified during recent investigations (McKenna 1993).

32. References: 1:deBarros and Koerper (1990).Final Test Investi-(X)

33. Name of Project: See No. 32 above.

34. Type of Investigation: Updated Identification/Evaluation

35. Site Accession No.: N/A Curated At: N/A

36. Photographs: yes Taken By: Jeanette McKenna

37. Photo Accession No.: N/A On File: Chambers Group

ARCHAEOLOGICAL SITE SURVEY RECORD

PERMANENT TRINOMIAL: CA-ORA-225/H
TEMPORARY SITE NO.: Ha-4 (Nimmo)
AGENCY DESIGNATION:

Continuation Page

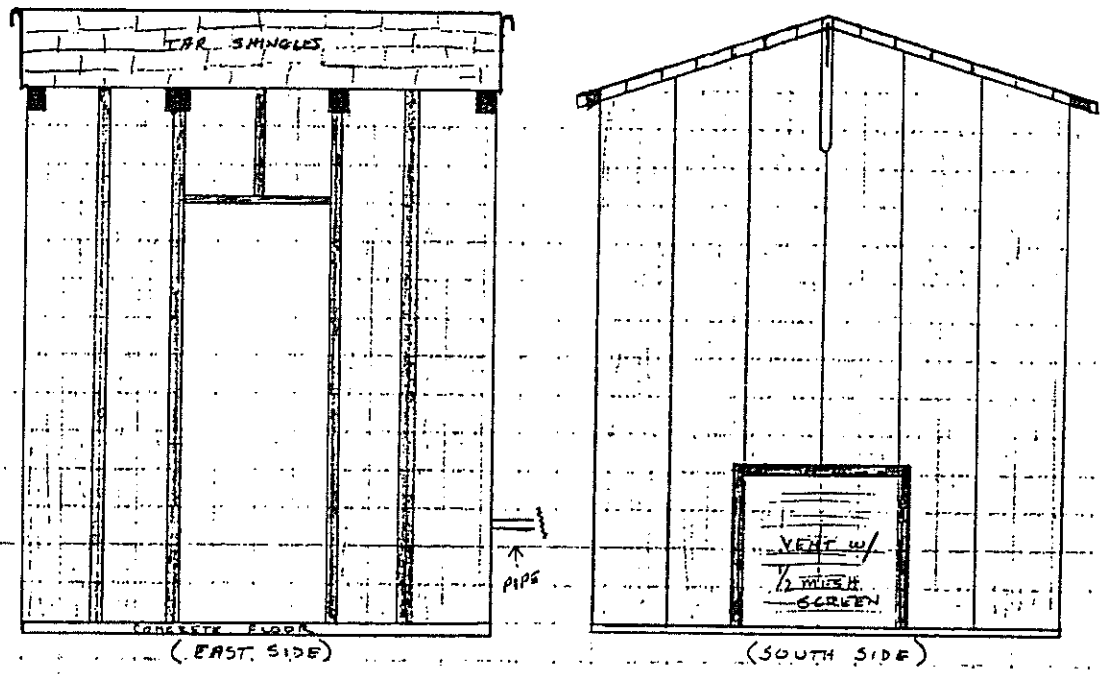
Item No.	Continuation
4.	Site is located within sections assigned by the Irvine Ranch. In this case, site is within Section 91, as identified on USGS quadrangle. Here, site is inthe center of the southeastern quarter of the southwestern quarter of the southeastern quarter of the section.
12.	(no remains); 3) miscellaneous pipe fragments in yard area. See attached AI/E form for structures.
32.	gation Report and Request for Determination of eligibility for 23 Sites Along the San Joaquin Hills Transportation Corridor. Chambers Group, Irvine. 2: McKenna and de Barros (1993). Archaeological Survey Report, Historic Site Addendum, San Joaquin Hills Transportation Corridor. Chambers Group, Irvine.

ARCHAEOLOGICAL SITE SURVEY RECORD

PERMANENT TRINOMIAL: CA-ORA-225/H
TEMPORARY SITE NO.: Ha-4 (Nimmo)
AGENCY DESIGNATION: _____

Feature Record

Well/Pump house



FRONT PROFILE/ELEVATION w/ BOARD + BATTEN

SIDE PROFILE/ELEVATION w/o BATTEN FINISH

SCALE: 0 1 2 3 FEET

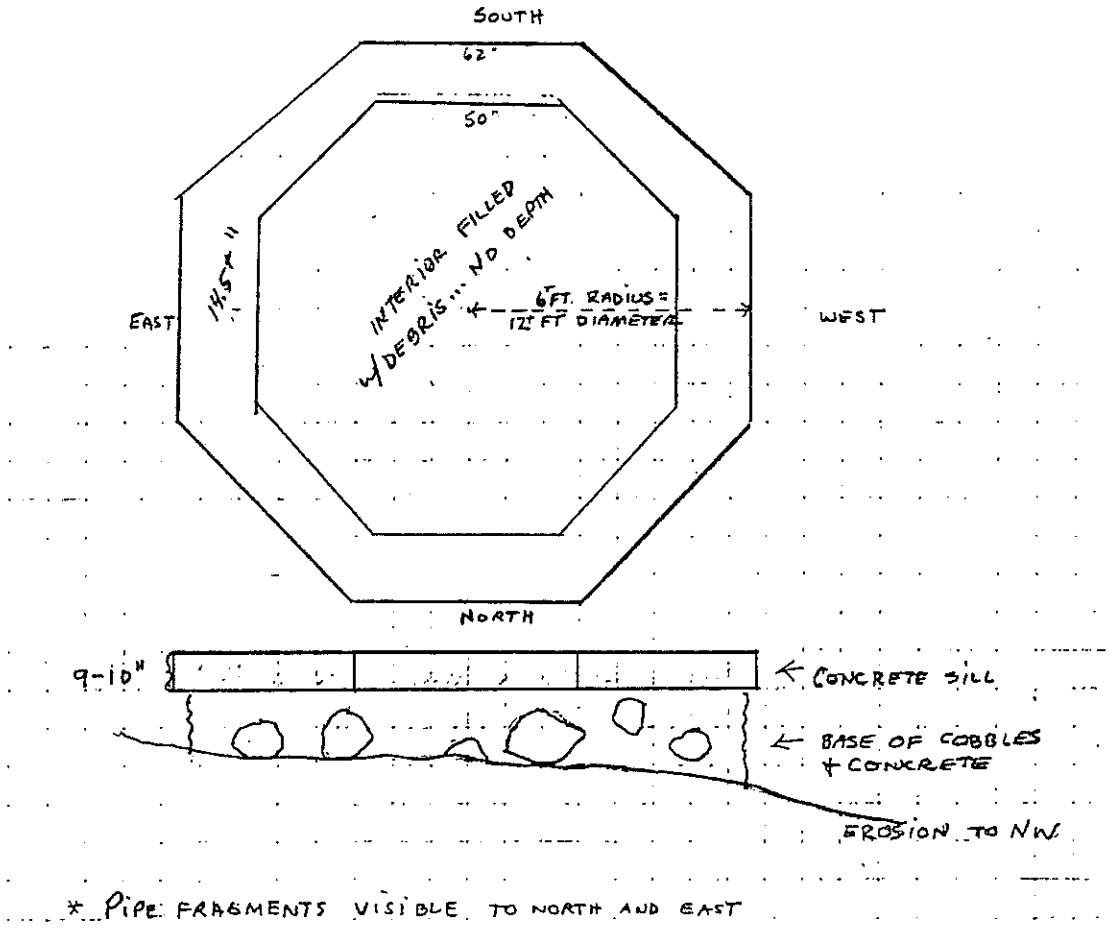
- WALLS ARE 1 x 12 PLANKS OF 7 to 8 FOOT LENGTHS
- BATTEN IS ½ x 2 INCHES AND ONLY ON FRONT ELEVATION
- VENTS PLACED ON OPPOSITE SIDES; AT BASE; w/ ½ INCH GALV. MESH
- ROOF OF 1 x 5 PLANKS COVERED w/ TAR SHINGLES
- HOOKS ON SOUTH + NORTH WALLS MAY HAVE BEEN FOR LIGHTING OR WIRING.
- CONCRETE FLOOR IS POURED; SIMILAR TO TROUGH/WELL MATERIALS
- 2½ INCH PIPE LEADS FROM PUMP TO EXTERIOR PIPE SYSTEM (?) 7 INCH UP-RIGHT PIPE MAY BE DIRECTLY ASSOC. W/ WELL NOTED ON HISTORIC MAPS.
- FENCE BEHIND PUMPHOUSE SUPPORTED BY RAILROAD TIE POSTS
- WIRE IS DOUBLE STRAND/SINGLE TWIST w/ 4" SPREAD,

ARCHAEOLOGICAL SITE SURVEY RECORD

PERMANENT TRINOMIAL: CA-ORA-225/H
TEMPORARY SITE NO.: Ha-4 (Nimmo)
AGENCY DESIGNATION: _____

Feature Record

Cistern/Trough

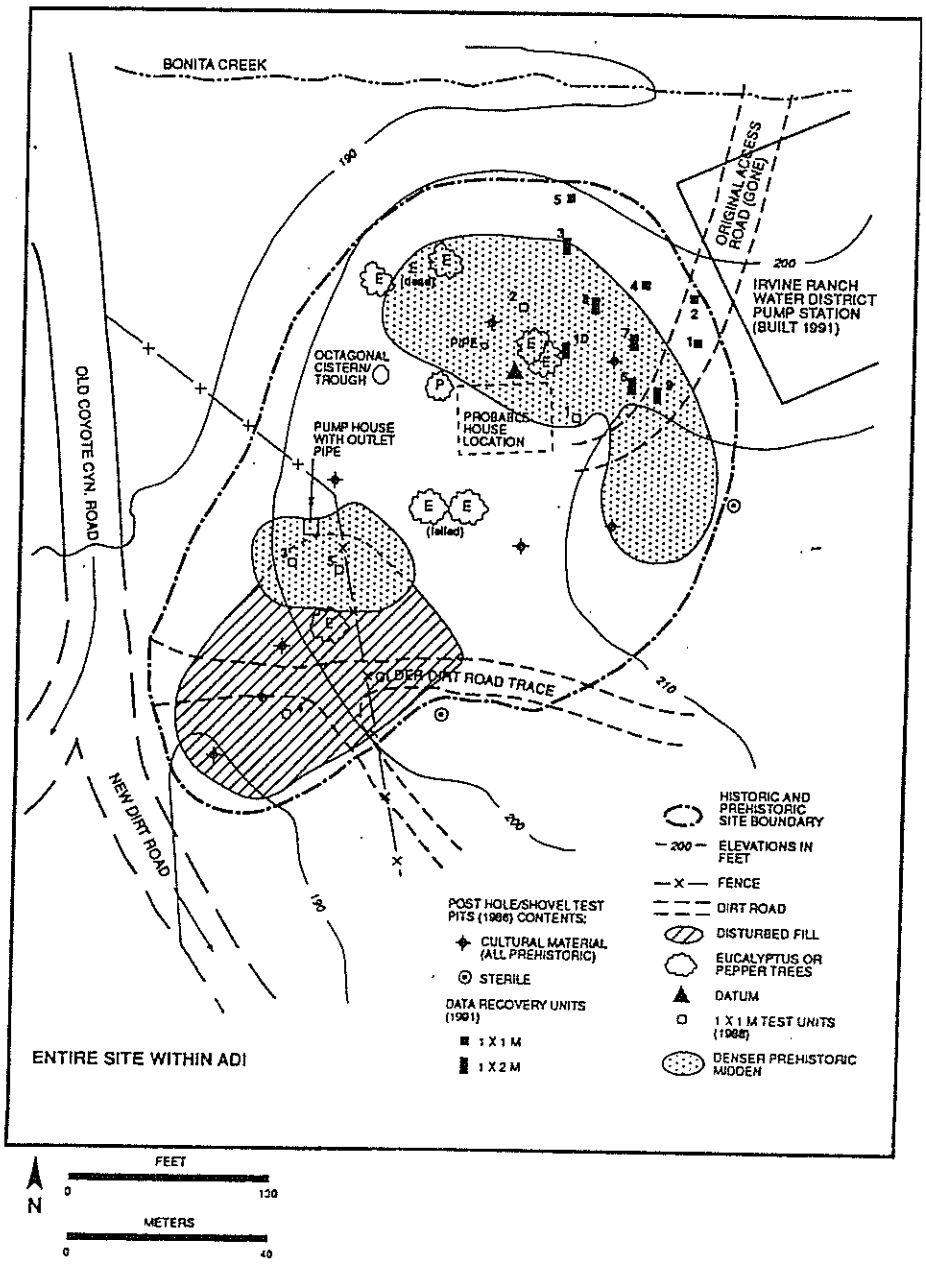


ARCHAEOLOGICAL SITE SURVEY RECORD

PERMANENT TRINOMIAL: CA-ORA-225/H
TEMPORARY SITE NO.: Ha-4 (Nimmo)
AGENCY DESIGNATION: _____

Archaeological Site Map

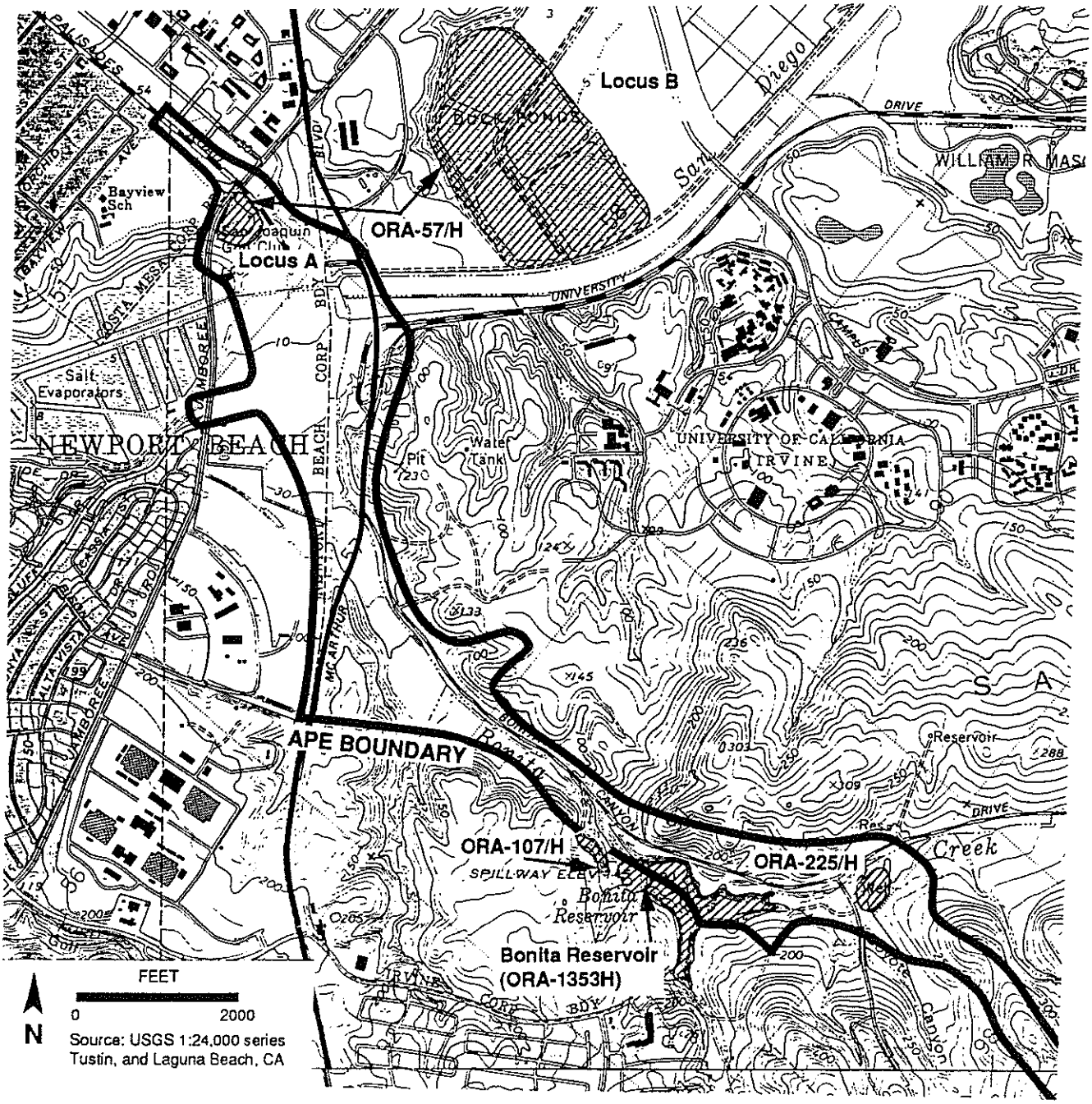
CA-ORA-225/H: Nimmo House Site
Drawn to Scale



ARCHAEOLOGICAL SITE SURVEY RECORD

PERMANENT TRINOMIAL: CA-ORA-225/H
TEMPORARY SITE NO.: Ha-4 (Nimmo)
AGENCY DESIGNATION: _____

Archaeological Site Location Map



30-000225

CALIFORNIA DEPARTMENT OF TRANSPORTATION
ARCHITECTURAL INVENTORY/EVALUATION FORM

MAP REFERENCE NO.
(7.5' USGS Tustin Quad)

County - Route - Postmile: . . . -

( ) LISTED ( ) DETERMINED ELIGIBLE
( ) APPEARS ELIGIBLE (X) APPEARS INELIGIBLE

IDENTIFICATION

1.Common Name: CA-ORA-225/H

2.Historic Name: Nimmo House Site

3.Street or rural address: SE of Bonita Canyon Rd. Newport Coast Drive intersection.

City: Irvine Zip Code: N/A County: Orange

4. Parcel Number: large acreage on Irvine Ranch Present Owner: Irvine Company
Address: 550 Newport Center Drive City: Newport Beach, CA Zip Code: 92660

5. Ownership is: ( ) Public (x) Private

6. Present Use: not occupied Original Use: small ranch leased from Irvine Co.

DESCRIPTION

7a.Architectural Style: House gone. Board and batten shed (well/pumphouse). Cement and cobble cistern/trough.

7b.Briefly describe the present PHYSICAL CONDITION of the site or structure and describe any major alterations from its original condition:

1) Six by six by eight foot (high) pump house; walls intact, but missing door. Constructed of 2 by 4 frame; 1 by 12 vertical planks; 1/2 by 2 batten seams; 1 by 5 plank roof with tar shingles. All built with round nails. Vents at base have 1/2" mesh galvanized screens. Poured concrete base. Pump present, but inoperative.
2) Cistern/trough constructed of rock cobble and concrete. Octagonal feature 12.5 ft in diameter. Stands 9" above the ground. Filled with earth and concrete debris so no interior measurements available.

(photo)

8. Construction date 1950s
Estimated: (x) Factual: ( )
(map and oral data)

9. Architect: unknown

10. Builder: unknown

11. Approx. property size (in feet)
Frontage: Depth:
large acreage on Irvine Ranch

12. Date(s) of enclosed photograph(s):
July 1993

13.Condition: Excellent ( ) Good (X) Fair ( ) Deteriorated ( )

14.Alterations: none noted

15.Surroundings: (Check more than one if necessary) Open land (X) Scattered buildings ( ) Densely built-up ( )

Residential ( ) Industrial ( ) Commercial ( ) Other:

16.Threats to site: None known ( ) Private Development ( ) Zoning ( ) Vandalism ( ) Public Works Project (X)

Other: Within San Joaquin Hills Transportation Area of Direct Impact.

17.Is the structure: On its original site? (X) Moved? ( ) Unknown? ( )

18.Related features: Pipes and vent are located immediately to north of pump house. Cistern/trough located to northeast of pump house.

IIFICANCE

19.Briefly state historical and/or architectural importance (include dates, events, and persons associated with the site):

Evidence from maps, aerial photos, and oral interviews indicates that both structures were built on the property in the 1950s. As structures they have no unusual, unique or transcendent features. They therefore do not appear to be eligible for the National Register.

These features do not relate to the occupation of the residence which was once on the property and apparently belonged to Benjamin F. Nimmo (Jr.) who leased the land from the Irvine Ranch for his own ranching purposes. Nimmo's association with the property was from ca. 1900-1945. House removed in 1958.

I concur. George Casen, District 12, Heritage Resource Coordinator.

George Casen — Signature

9/22/93 — Date

20.Main theme of the historic resource: (If more than one is checked, number in order of importance.)

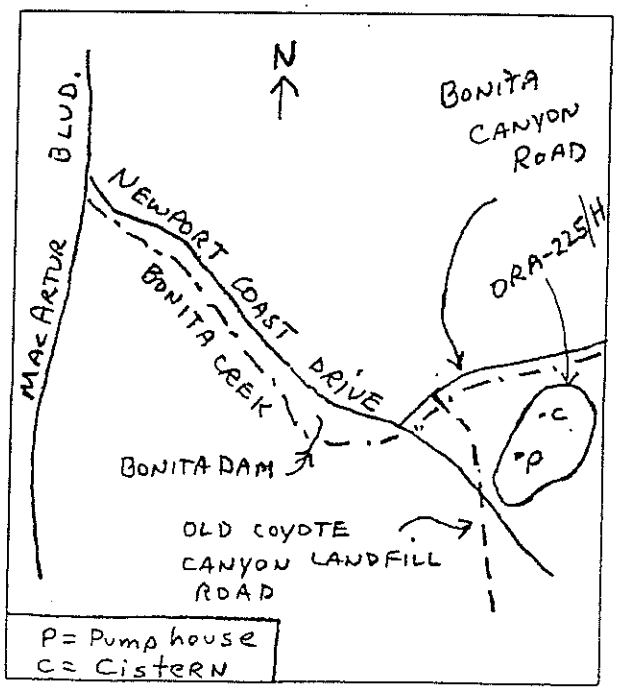
Architecture ( ) Arts & Leisure ( )
Economic/Industrial (X) Exploration/Settlement ( )
Government ( ) Military ( ) Religion ( )
Social/Education ( )

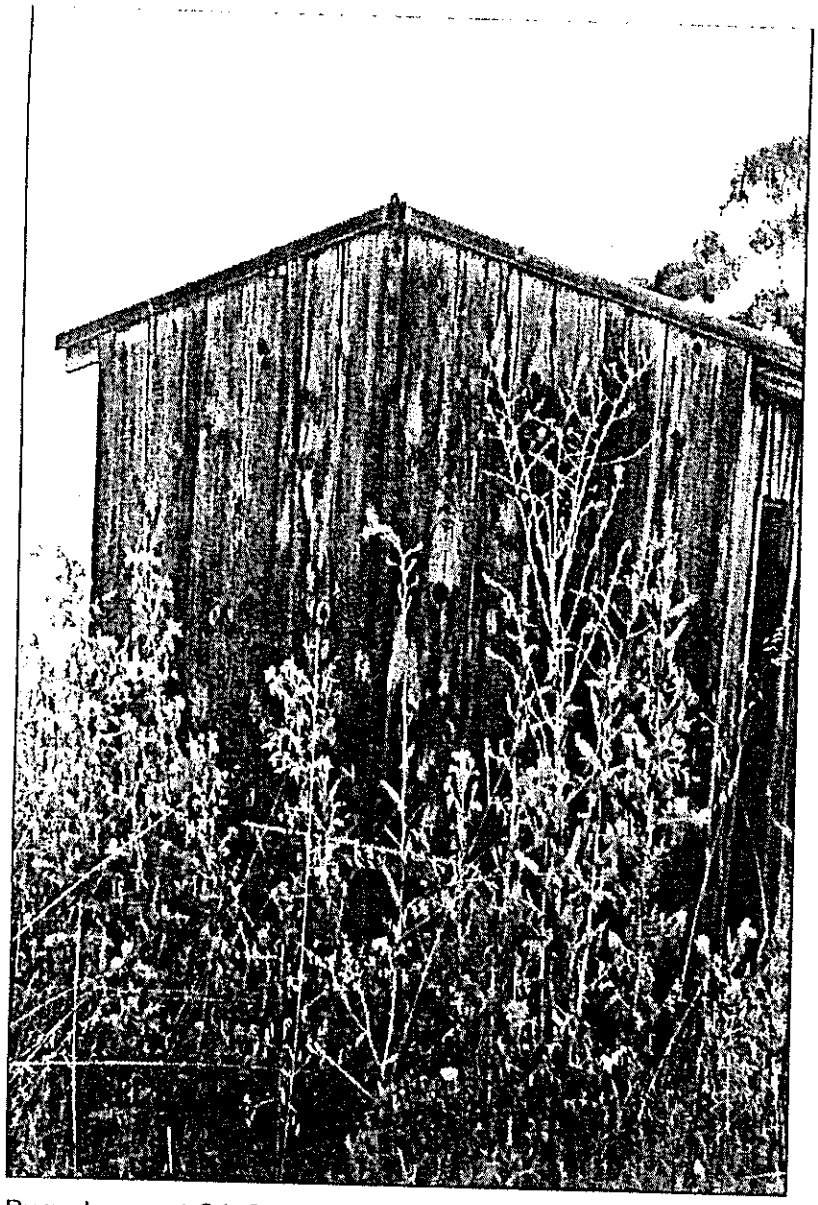
21.Sources (List books, documents, surveys, personal interviews and their dates.)

Elliott and Resnick AI/E form (1985)
Macko 1986; de Barros and Koerper 1990;
McKenna and de Barros 1993
Interviews: Peter Burroughs, Hazel Nimmo
April 1985

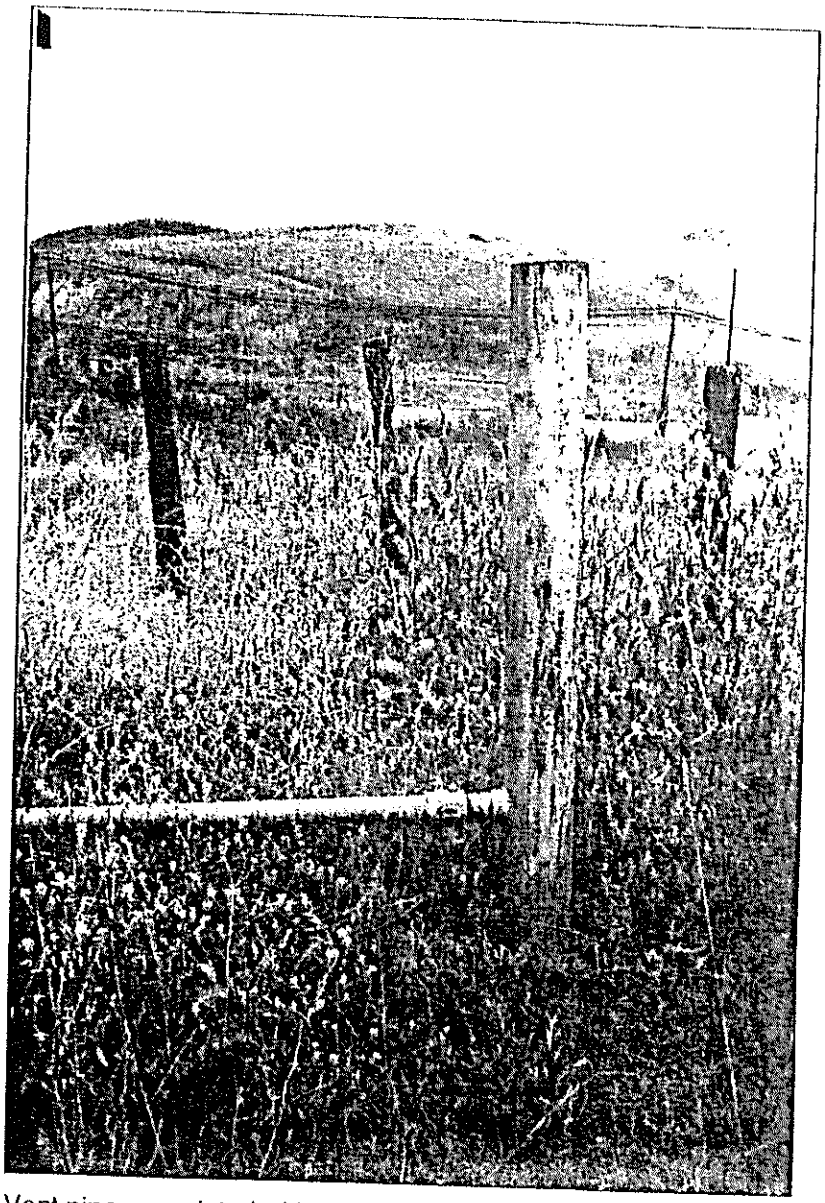
22.Date form prepared: August 26, 1993
By: J.McKenna and P. de Barros
Organization: Chambers Group
Address: 16700 Aston St.,P.O. Box57002
City: Irvine, CA
Zip Code: 92619-7002
Phone: 714-261-5414

Location sketch map (draw & label site and surrounding streets, roads, and prominent landmarks)





Pump house at CA-ORA-225/H facing north.



Vent pipe associated with pump house at CA-ORA-225/H. Note old fence posts in background. Facing west.

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

CONTINUATION SHEET

Primary # 30-000226
HRI#
Trinomial CA-ORA-226

Page 1 of 1 *Resource Name or # (Assigned by recorder)

*Recorded by: P. Fulton *Date: 12/22/2008 ☐ Continuation ☒ Update

Site 30-000226 is plotted extending from the southbound State Route 73 (SR-73) lanes on the north to approximately 1,200 feet south of the Caltrans right-of-way on the south. The site has been completely destroyed within the Caltrans right-of-way and by additional road development immediately south of the Caltrans right-of-way. Extant portions of the site may still be present south of this disturbance.

Overview to the southeast of the northern portion of the plotted location of the site.

University of California

ARCHAEOLOGICAL SITE SURVEY RECORD

1. Site ~~Ora-226~~ 2. Map USGS Tustin Quad. 3. County Orange

4. Twp. 6 S Range 9 W; SE 1/4 of NW 1/4 of Sec. 98

5. Location west end of site approximately 2000' east corner of Bonita Canyon Rd. and Coyote Canyon Rd. 300' north of Bonita Canyon Rd. on north bank of Coyote Creek

6. On contour elevation 200'

7. Previous designations for site none

8. Owner Irvine Co. 9. Address 13042 SW Myford Rd., Tustin

10. Previous owners, dates same

11. Present tenant same

12. Attitude toward excavation good. to be tested by PCAS for possible excavation

13. Description of site shell midden occupying a flat area on north bank of Bonita Creek, ~~range of hills rises 100' north of site~~

14. Area ~~766' EW, 175' NS~~ 15. Depth unknown 16. Height

17. Vegetation mustard, saltbush, wild roses, thistle (wild ~~artichoke), malva, wild~~ 18. Nearest water Coyote Creek, S. edge of site

19. Soil of site tobacco brown, black heavy loam 20. Surrounding soil type red and brown loam

21. Previous excavation none

22. Cultivation extensive 23. Erosion banks of creek

24. Buildings, roads, etc. Coyote Canyon Rd. approx. 300' south

25. Possibility of destruction probable in next 5 yrs. part of University City

26. House pits none found

27. Other features small scattering of shell along creek

28. Burials none

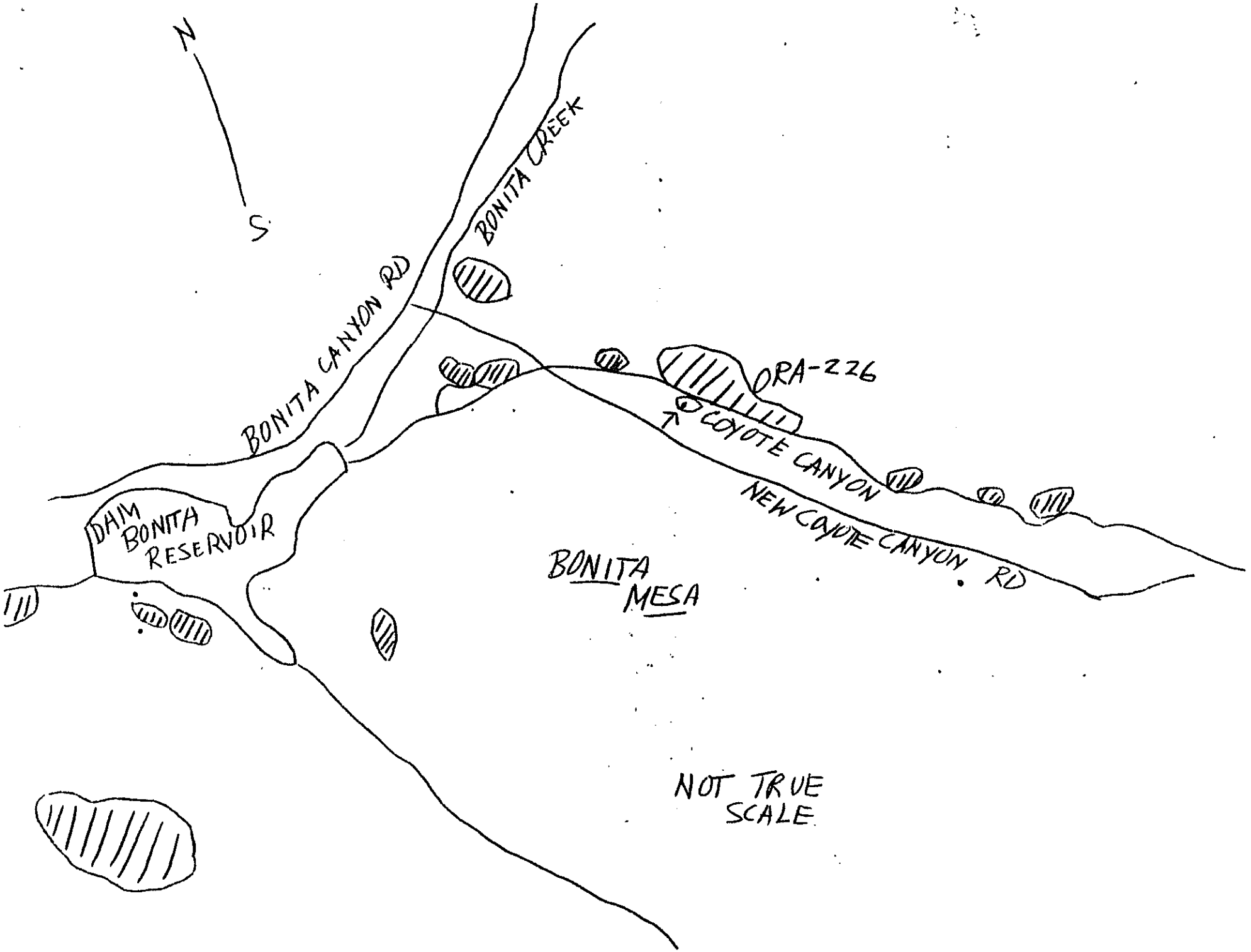
29. Artifacts broken drilled pendant, 1 piece desert jasper, chipping waste, perfect point, broken ~~xx~~ point, Shells: oyster, scallop, chione, moonsnail, abalone

30. Remarks small areas of shell some 50-60' long and 20-30' wide all along north bank of creek

31. Published references none

32. Accession No. 33. Sketch map ~~x~~ on back

34. Date 11/1/66 35. Recorded by PCAS crew 36. Photos


N
S
BONITA CREEK
BONITA CANYON RD
ORA-226
COYOTE CANYON
NEW COYOTE CANYON RD
DAM
BONITA
RESERVOIR
BONITA
MESA
NOT TRUE
SCALE

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL SITE RECORD

Permanent Trinomial: CA-Ora-226 Supplement [X]

Temporary Number:

Page 1 of 6 .

Agency Designation:

1. County: Orange

2. USGS Quad: Tustin, CA (7.5') 1965 (15') Photorevised 1972

3. UTM Coordinates: Zone 11 / 422443 Easting / 3721015 Northing (X)

4. Township 6S Range 9W . SE ¼ of SW ¼ of NW ¼ of NE ¼ of Section 98 Base (Mer.) SBR ( )

5. Map Coordinates: 563 mmS 150 mmE (from NW corner of map) 6. Elevation 200'

7. Location: On east bank of Coyote CK. 700' ESE of the culvert which drains the creek under Coyote Canyon Rd. Easiest access is through locked Irvine Co. gate located on east side of Coyote Canyon Rd. 400' S. of its intersection with Bonita Canyon Rd. Once through gate, take dirt rd. to right (south) 1400 to site. ( )

8. Prehistoric X Historic Protohistoric 9. Site Description: Moderate size shell midden with a high diversity of remains. Densities are low to high (1-141/M^2) with the greatest concentrations immediately adjacent to creek bank. ( )

10. Area: 130 m(length)x 50 m(width) 5000 m^2. Method of Determination: Compass and Pacing ( )

11. Depth: 100+ cm Method of Determination: Examination of eroded creek bank ( )

12. Features: none noted ( )

13. Artifacts: Two burnt rock (1 Granite, 1 Santiago PK, Vol.), 1 Chert flake and 2 quartzite flakes ( )

14. Non-Artifactual Constituents: Low to high density shell midden, the major faunal constituents being Chione (31.7%), Ostrea (26.8%), Pecten (26.0%), and Misc. shell (13.6%), (X)

15. Date Recorded: March 20, 1985 16. Recorded By: R. Helman, M. Macko et al. PCAS. 1966)

17. Affiliation and Address: ( )

DPR 422A (Rev. 8/82)

APPLIED CONSERVATION TECHNOLOGY, INC.
14340 Bolsa Chica Road, Suite E
Westminster, California 92683

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL SITE RECORD
Continuation Sheet

Permanent Trinomial: CA-Ora-226 — March 1985 (mo. yr.)

Temporary Number:

Agency Designation:

Item No.	Continuation

SITE NAME OR TRINOMIAL	UNIT TYPE	UNIT NO	QUANTITY	MATERIAL	CLASS	OBJECT 1	OBJECT 2	MODIFICATION 1	MODIFICATION 2	MODIFICATION 3
CA-Ora-226	2M DIA SURF SAMP	1	0	NO CULTURAL MATERIAL						
CA-Ora-226	2M DIA SURF	2	2	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	3	2	OSTREA SP	SHELL				FRAGMENT > 50%	
CA-Ora-226	2M DIA SURF SAMP	3	21	OSTREA SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	3	1	PECTEN SP	SHELL				FRAGMENT > 50%	
CA-Ora-226	2M DIA SURF SAMP	3	60	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	3	5	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	3	35	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	3	4	SMALL MAMMAL	BONE					
CA-Ora-226	2M DIA SURF SAMP	4	227	OSTREA SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	4	17	OSTREA SP	SHELL				FRAGMENT > 50%	
CA-Ora-226	2M DIA SURF SAMP	4	8	OSTREA SP	SHELL				WHOLE	
CA-Ora-226	2M DIA SURF SAMP	4	1	POLINICES SP	SHELL				WHOLE	
CA-Ora-226	2M DIA SURF SAMP	4	1	QUARTZITE	CHIPPED STONE	FLAKE	TERTIARY			
CA-Ora-226	2M DIA SURF SAMP	4	1	QUARTZITE	CHIPPED STONE	FLAKE	DEBITAGE			
CA-Ora-226	2M DIA SURF SAMP	4	4	CREPIDULA SP	SHELL				WHOLE	
CA-Ora-226	2M DIA SURF SAMP	4	6	HALIOTIS SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	4	2	CHIONE SP	SHELL				WHOLE	
CA-Ora-226	2M DIA SURF SAMP	4	4	CHIONE SP	SHELL				FRAGMENT > 50%	
CA-Ora-226	2M DIA SURF SAMP	4	10	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	4	1	MYTILUS SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	4	1	PROTOTHACA SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	4	1	TAGELUS SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	4	165	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	6	14	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	6	12	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	6	26	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	15	3	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	15	7	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	15	3	OSTREA SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	15	1	OSTREA SP	SHELL				WHOLE	
CA-Ora-226	2M DIA SURF SAMP	15	6	CHIONE SP	SHELL				FRAGMENT > 50%	
CA-Ora-226	2M DIA SURF SAMP	16	1	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	16	2	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	25	1	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	25	9	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	25	26	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	25	21	OSTREA SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	25	2	PECTEN SP	SHELL				FRAGMENT > 50%	
CA-Ora-226	2M DIA SURF SAMP	25	3	CHIONE SP	SHELL				FRAGMENT > 50%	
CA-Ora-226	2M DIA SURF SAMP	26	3	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	26	8	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	26	11	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	26	3	HALIOTIS SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	26	9	OSTREA SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	27	1	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	27	3	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	27	2	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	34	1	SANT.PK.VOLCANIC	BURNT ROCK					

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL SITE RECORD
Continuation Sheet

Permanent Trinomial CA-Ora-226 / March 1985
mo. yr.

Temporary Number:

Agency Designation:

Item No.	Continuation

SITE NAME OR TRINOMIAL	UNIT TYPE	UNIT NO	QUANTITY	MATERIAL	CLASS	OBJECT 1	OBJECT 2	MODIFICATION 1	MODIFICATION 2	MODIFICATION 3
CA-Ora-226	2M DIA SURF SAMP	34	7	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	34	4	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	34	2	CHIONE SP	SHELL				FRAGMENT > 50%	
CA-Ora-226	2M DIA SURF SAMP	35	10	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	36	13	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	36	4	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	36	63	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	37	1	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	37	1	CREPIDULA SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	37	1	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	43	27	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	43	38	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	43	2	PECTEN SP	SHELL				FRAGMENT > 50%	
CA-Ora-226	2M DIA SURF SAMP	43	1	PECTEN SP	SHELL				WHOLE	
CA-Ora-226	2M DIA SURF SAMP	43	20	OSTREA SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	43	1	OSTREA SP	SHELL				FRAGMENT > 50%	
CA-Ora-226	2M DIA SURF SAMP	43	40	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	43	3	CHIONE SP	SHELL				WHOLE	
CA-Ora-226	2M DIA SURF SAMP	44	1	CHERT	CHIPPED STONE	FLAKE	PRIMARY			
CA-Ora-226	2M DIA SURF SAMP	44	18	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	44	2	MYTILUS SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	44	3	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	44	1	CHIONE SP	SHELL				FRAGMENT > 50%	
CA-Ora-226	2M DIA SURF SAMP	44	28	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	44	11	OSTREA SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	44	1	METAL	HISTORIC	FASTENERS	SCREWS		FRAGMENT > 50%	
CA-Ora-226	2M DIA SURF SAMP	44	1	METAL	HISTORIC	FASTENERS	NUTS		FRAGMENT > 50%	
CA-Ora-226	2M DIA SURF SAMP	45	2	OSTREA SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	45	14	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	45	1	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	45	5	CHIONE SP	SHELL				FRAGMENT > 50%	
CA-Ora-226	2M DIA SURF SAMP	45	142	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	46	4	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	46	3	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	52	1	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	52	1	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	54	1	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	55	7	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	56	0	NO CULTURAL MATERIAL						
CA-Ora-226	2M DIA SURF SAMP	62	0	NO CULTURAL MATERIAL						
CA-Ora-226	2M DIA SURF SAMP	63	1	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	63	1	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	63	1	GRANITE	BURNT ROCK					
CA-Ora-226	2M DIA SURF SAMP	64	1	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	64	1	MYTILUS SP	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	64	1	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-226	2M DIA SURF SAMP	65	0	NO CULTURAL MATERIAL						
CA-Ora-226	2M DIA SURF SAMP	66	0	NO CULTURAL MATERIAL						
CA-Ora-226	2M DIA SURF SAMP	72	0	NO CULTURAL MATERIAL						
CA-Ora-226	2M DIA SURF SAMP	73	0	NO CULTURAL MATERIAL						
CA-Ora-226	2M DIA SURF SAMP	74	0	NO CULTURAL MATERIAL						
CA-Ora-226	2M DIA SURF SAMP	83	1	MISC. SHELL	SHELL				FRAGMENT < 50%	

14 Minor constituents, each comprising less than 0.5% of total faunal remains, include small-mammal bone, Crepidula, Haliotis, Polinices, Mytilus, Protothaca, and Tagelus.

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

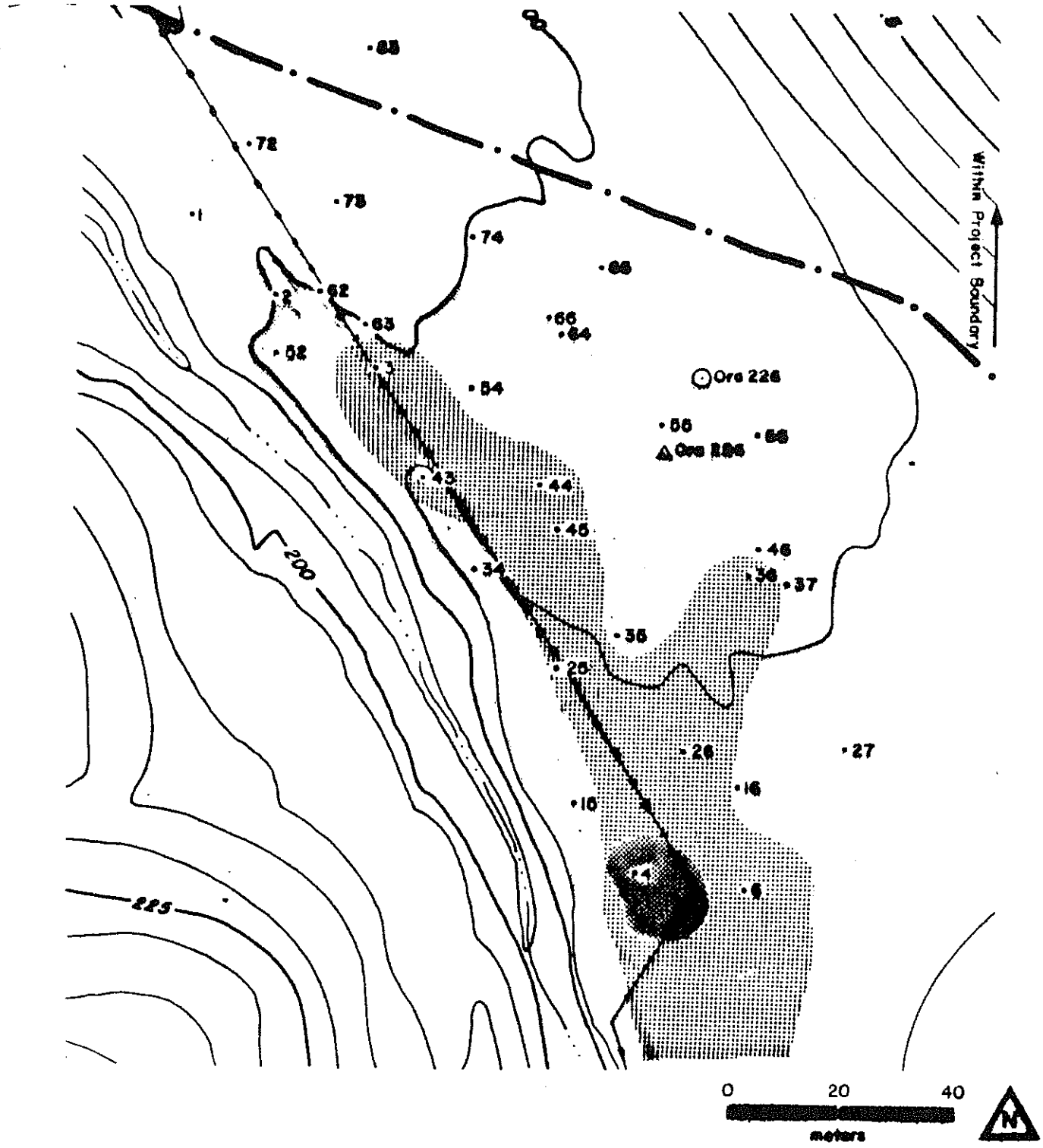
ARCHEOLOGICAL SITE MAP

Page 5 of 6.

Permanent Trinomial: CA-Ora-226 / March 1985
mo. yr.

Temporary Number: _____

Agency Designation: _____



State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

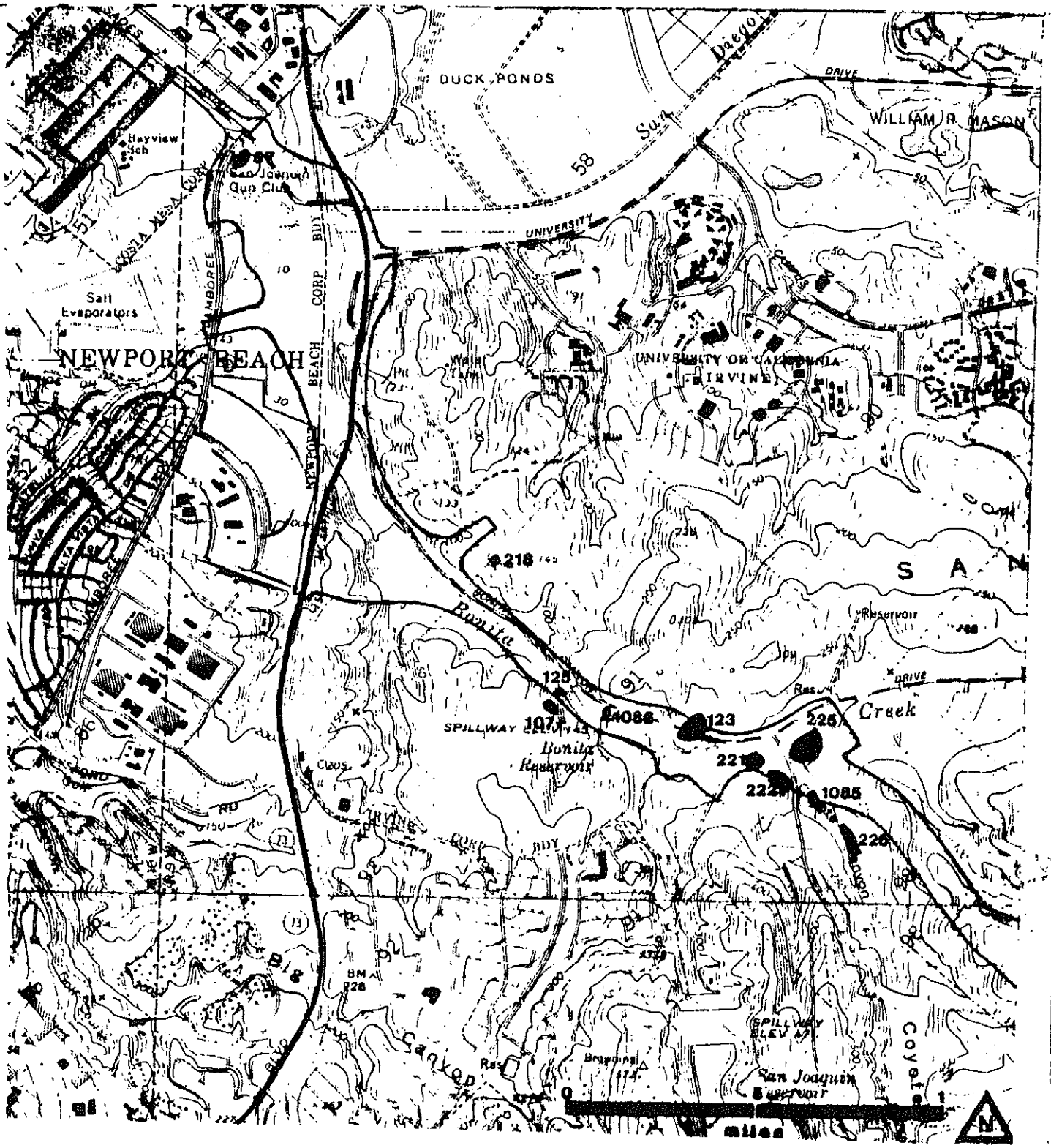
ARCHEOLOGICAL SITE LOCATION MAP

Page 6 of 6

Permanent Trinomial: CA-Ora-226 / March 1985
mo. yr.

Temporary Number: _____

Agency Designation: _____



State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

CONTINUATION SHEET

Primary # 30-000389
HRI#
Trinomial CA-ORA-389

Page 1 of 1 *Resource Name or # (Assigned by recorder)

*Recorded by: P. Fulton *Date: 12/22/2008 ☐ Continuation ☒ Update

Site 30-000389 is plotted on the western bank of Aliso Creek, extending from the north edge of the State Route 73 (SR-73) Aliso Creek Bridge to approximately 300 feet south of the SR-73 Aliso Creek Bridge. The site is shown extending approximately 250 feet west of Aliso Creek. The site is intact east of the Aliso Creek Bike Path that parallels the creek in this area, and midden soils are clearly visible in the cut bank of the creek underneath the SR-73 Aliso Creek Bridge. West of the bike path, the site has either been destroyed or is capped by extensive fill from the construction of SR-73 and the playing fields of a park. The site is threatened by extensive erosion that is occurring to the site in the area below the bridge. Pedestrian traffic entering the creek from the bike path is accelerating the erosion.

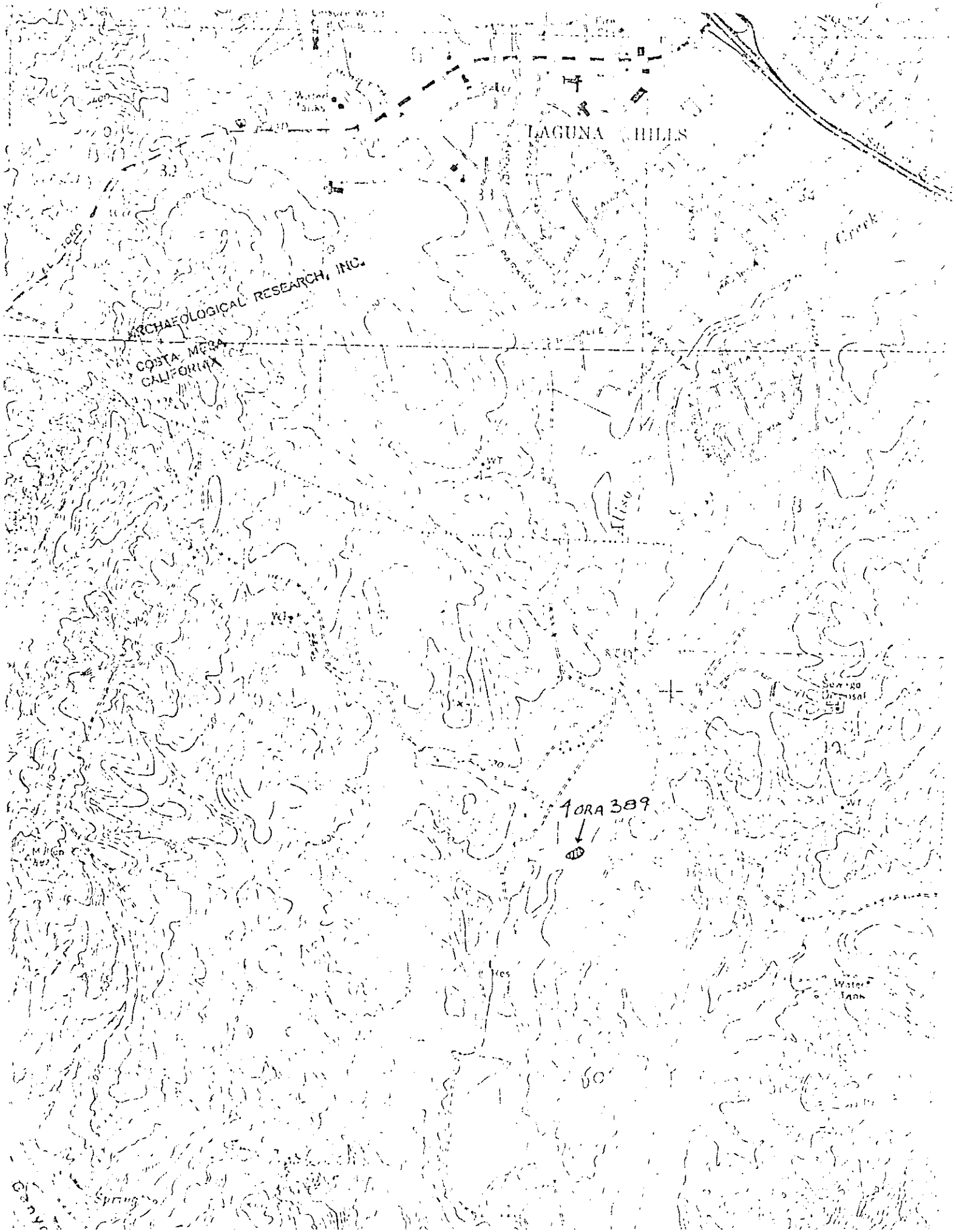
View to the northeast of the eroding midden beneath the southbound SR-73 Aliso Creek Bridge.

ARCHAEOLOGICAL RESEARCH, INC.
COSTA MESA, CALIFORNIA 92627

ARCHAEOLOGICAL SITE SURVEY RECORD

1. Site 4-Ora-389 2. Map San Juan Capistrano 3. County Orange
4. Twp. _____ Range _____ _____ 1/4 of _____ 1/4 Sec. _____
5. Location UTM: 3315200800 33 40 150?

6. Contour elevation 250
7. Previous designation for site None
8. Owner Moulton 9. Address _____
10. Previous owners, dates _____
11. Present tenant Ivar Hanson
12. Attitude toward excavation _____
13. Description of site scattered artifacts - minimal shell on surface, no apparent depth
14. Area 100x50 yd. (both sides/ Aliso) 15. Depth ? 16. Height _____
17. Vegetation grass 18. Nearest water adjacent to Aliso Creek
19. Soil of site loose - sandy 20. Surrounding soil type Natural deposit of fine grade clay in stream cut.
21. Previous excavation None
22. Cultivation land tilled and disced 23. Erosion apparent erosion into stream artifacts near erosional cut made by stream.
24. Buildings, roads, etc. _____
25. Possibility of destruction Eminent
26. House pits _____
27. Other features _____
28. Burials _____
29. Artifacts quartzite point, core, quarte crystals scattered thru-out area, small chert core, chert plane scraper, pestle; Abolone shell filled with clay shell also found in creek bottom (artifacts scattered over 100x50 yd. area).
30. Remarks possibility of that part of site eroded into stream (East side) (West side) still no apparent depth, but greater quantity of shell.
31. Published references _____
32. Accession No. _____ 33. Sketch map _____
34. Date 12-13-72 35. Recorded by MacFarlane 36. Photos _____


LAGUNA HILLS
ARCHAEOLOGICAL RESEARCH, INC.
COSTA MESA
CALIFORNIA
ORA 389

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL SITE RECORD

Permanent Trinomial: CA-Ora-389 Supplement [X]

Temporary Number: _____

Page 1 of 7 .

Agency Designation: _____

1. County: Orange

2. USGS Quad: San Juan Cap, CA (7.5') 1968 (15') _____ Photorevised 1981

3. UTM Coordinates: Zone 11 / 433820 Easting / 3715140 Northing (X)

4. Township 7S Range 8W unsectioned ¼ of ¼ of ¼ of ¼ of Section _____ Base (Mer.) SBR ( )

5. Map Coordinates: 227 mmS 143 mmE (from NW corner of map) 6. Elevation 204'

7. Location: on west bank of Aliso Creek 550' west of Alicia Pkwy. Access obtained by entering Aliso Viejo Ranch, driving up to Hdqtrs and continuing on dirt rd. SW 1000' to where rd meets driveway to residence. Site is 900' ESE across Barley field. Alternate access obtained by driving south on Moulton Pkwy. to La Paz Rd. Turn ( )

8. Prehistoric X Historic _____ Protohistoric _____ 9. Site Description: A low density shell midden (1-5/m^2) with a moderate density of remains. ( )

10. Area: 100 m(length) x 30 m(width) 300 m^2. Method of Determination: Compass and Pacing ( )

11. Depth: 70 cm Method of Determination: 20cm. dia. posthole excavated in 10cm. levels

12. Features: none noted ( )

13. Artifacts: 3 burnt rocks, 1 quartzite flake, 1 quartz core, 1 mano, 1 hammerstone. ( )

14. Non-Artifactual Constitutients: Low density shell midden with moderate diversity of remains. Faunal remains include: Mytilus (43.6%), Misc. shell (30.8%), Pecten (10.2%), ( )

15. Date Recorded: April 1, 1985 16. Recorded By: M. Macko et al. previously recorded ( )

17. Affiliation and Address: _____ ( )

DPR 422A (Rev. 8/82)

APPLIED CONSERVATION TECHNOLOGY, INC.
14340 Bolsa Chica Road, Suite E
Westminster, California 92683

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
ARCHEOLOGICAL SITE RECORD

Permanent Trinomial: CA-Ora-389 / April (mo.) 1985 (yr.)
Temporary Number:
Agency Designation:

18. Human Remains: none noted ( )

19. Site Integrity: Poor. Site remnants are continually eroding into Aliso CK. Plowing and bulldozing have been heavy in portions of site. Rodent burrowing very high. ( )

20. Nearest Water (type, distance and direction): Intermittent Aliso Creek, on site, east. ( )

21. Largest Body of Water within 1 km (type, distance and direction): S/A ( )

22. Vegetation Community (site vicinity): Riparian/cultivated. [Plant List ( )] ( )

23. Vegetation Community (on site): seasonal grasses. [Plant List ( )] ( )

References for above: ( )

24. Site Soil: silty loam. ( ) 25. Surrounding Soil: ( )

26. Geology: Quatenary Alluviam. ( ) 27. Landform: creek terrace/flood plan. ( )

28. Slope: ( ) 29. Exposure: ( )

30. Landowner(s) (and/or tenants) and Address: Aliso Viejo Company. ( )

31. Remarks: Site has an excellent profile visible in creek bank. It appears that site has considerable depth in bank, but postholes did not support this. It is likely X)

32. References: SRS. 1976 (Aliso Creek Corridor). ( )

33. Name of Project: San Joaquin Hills Transportation Corridor. ( )

34. Type of Investigation: Intensive Survey/stratified random surface sampling with twelve 2m. (X)

35. Site Accession Number: Curated At: ( )

36. Photos: Roll 91-3: exp 19-24
91-2: C/S exp 16-20 Taken By: M. Macko, B. Helman ( )

37. Photo Accession Number 91 On File At: APPLIED CONSERVATION TECHNOLOGY, INC.
14340 Bolsa Chica Road, Suite E
Westminster, California 92683

State of California — The [illegible] Agency
DEPARTMENT OF PARKS AND REC[illegible]ATION

ARCHEOLOGICAL SITE RECORD
Continuation Sheet

Permanent Trinomial: CA-Ora-389 / April 1985
mo. yr.

Temporary Number:

Agency Designation:

Item No.	Continuation

SITE NAME OR TRINOMIAL	UNIT TYPE	UNIT NO	QUANTITY	MATERIAL	CLASS	OBJECT 1	OBJECT 2	MODIFICATION 1	MODIFICATION 2	MODIFICATION 3
CA-Ora-389	2M DIA SURF SAMP	35	0	NO CULTURAL MATERIAL						
CA-Ora-389	2M DIA SURF SAMP	44	1	SAND.FR.VOLCANIC	BURNT ROCK					
CA-Ora-389	2M DIA SURF SAMP	44	1	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-389	2M DIA SURF SAMP	45	5	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-389	2M DIA SURF SAMP	46	4	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-389	2M DIA SURF SAMP	46	1	MYTILUS SP	SHELL				FRAGMENT < 50%	
CA-Ora-389	2M DIA SURF SAMP	46	1	SACARUS SP	SHELL				FRAGMENT < 50%	
CA-Ora-389	2M DIA SURF SAMP	54	0	NO CULTURAL MATERIAL						
CA-Ora-389	2M DIA SURF SAMP	55	0	NO CULTURAL MATERIAL						
CA-Ora-389	2M DIA SURF SAMP	56	1	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-389	2M DIA SURF SAMP	56	7	MYTILUS SP	SHELL				FRAGMENT < 50%	
CA-Ora-389	2M DIA SURF SAMP	56	2	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-389	2M DIA SURF SAMP	56	1	OSTREA SP	SHELL				FRAGMENT < 50%	
CA-Ora-389	2M DIA SURF SAMP	56	[illegible]	BIRD BONE	BONE					
CA-Ora-389	2M DIA SURF SAMP	56	1	QUARTZITE	CHIPPED STONE	FLAKE	SECONDARY			
CA-Ora-389	2M DIA SURF SAMP	56	[illegible]	UNDIFF. STONE	BURNT ROCK					
CA-Ora-389	2M DIA SURF SAMP	66	0	NO CULTURAL MATERIAL						
CA-Ora-389	2M DIA SURF SAMP	67	5	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-389	2M DIA SURF SAMP	67	8	MYTILUS SP	SHELL				FRAGMENT < 50%	
CA-Ora-389	2M DIA SURF SAMP	67	1	MYTILUS SP	SHELL				FRAGMENT > 50%	
CA-Ora-389	2M DIA SURF SAMP	67	1	PECTEN SP	SHELL				FRAGMENT > 50%	
CA-Ora-389	2M DIA SURF SAMP	67	1	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-389	2M DIA SURF SAMP	67	[illegible]	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-389	2M DIA SURF SAMP	76	0	NO CULTURAL MATERIAL						
CA-Ora-389	2M DIA SURF SAMP	77	0	NO CULTURAL MATERIAL						
CA-Ora-389	2M DIA SURF SAMP	87	0	NO CULTURAL MATERIAL						

7 right and continue to Oso Pkwy, where there is a right turn only. Turn right and proceed 1800' to where grading for freeway is evident on right. Park here and walk 600' down hill to WNW, crossing Aliso Creek.

14 chione (5.1%), Birdbone (5.1%), Ostrea (2.6%), and Haliotis (2.6%).

16 by ARI. 1972 (MacFarlane).

31 that the bank has slumped, and shell has washed down bank to what appears to be a lower level.

34 dia. units and stratified subsurface sampling with postholes at 3 surface units.

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

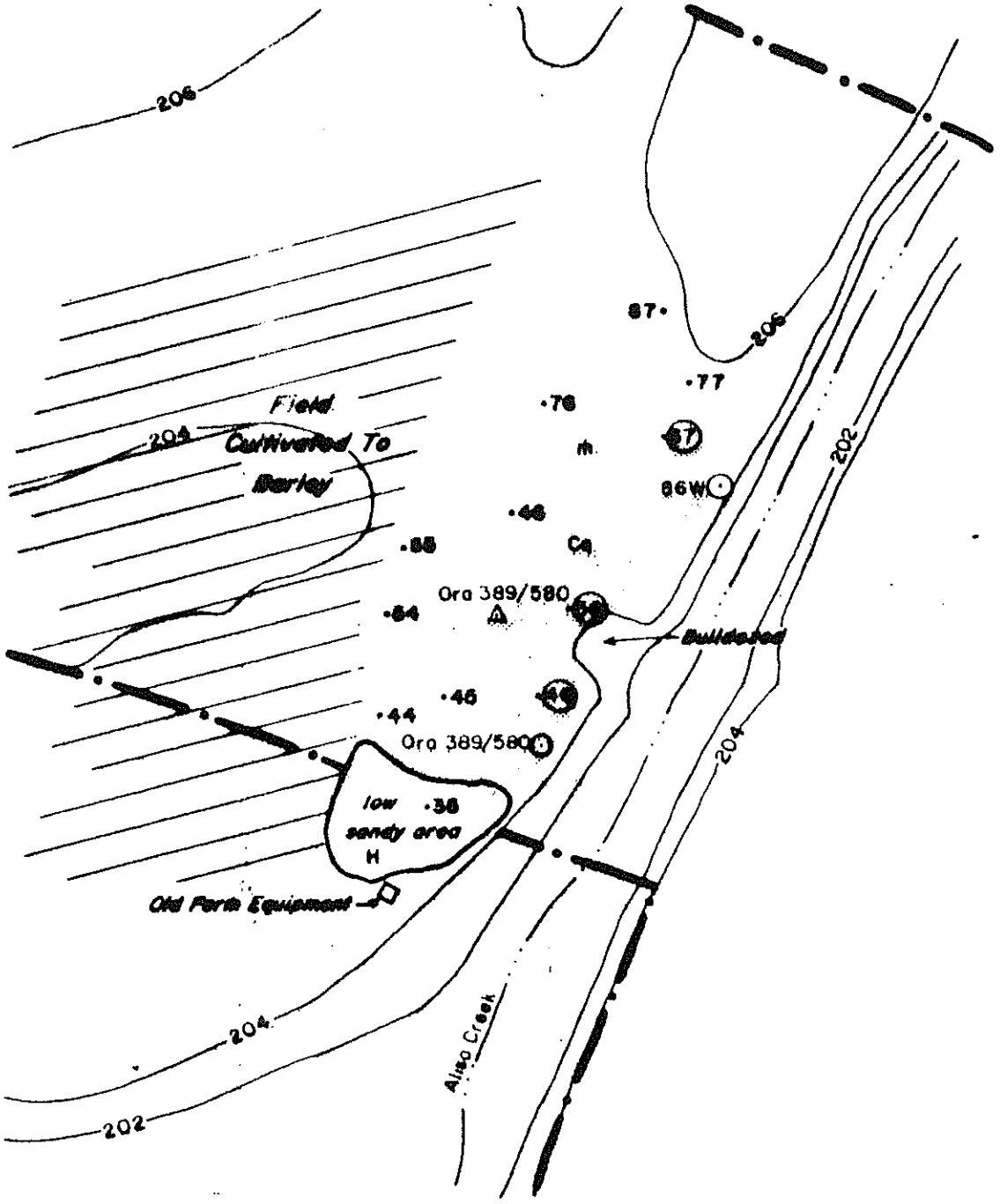
ARCHEOLOGICAL SITE MAP

Page 4 of 7.

Permanent Trinomial: CA-Ora-389 / April (mo.) 1985 (yr.)

Temporary Number: _____

Agency Designation: _____



State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

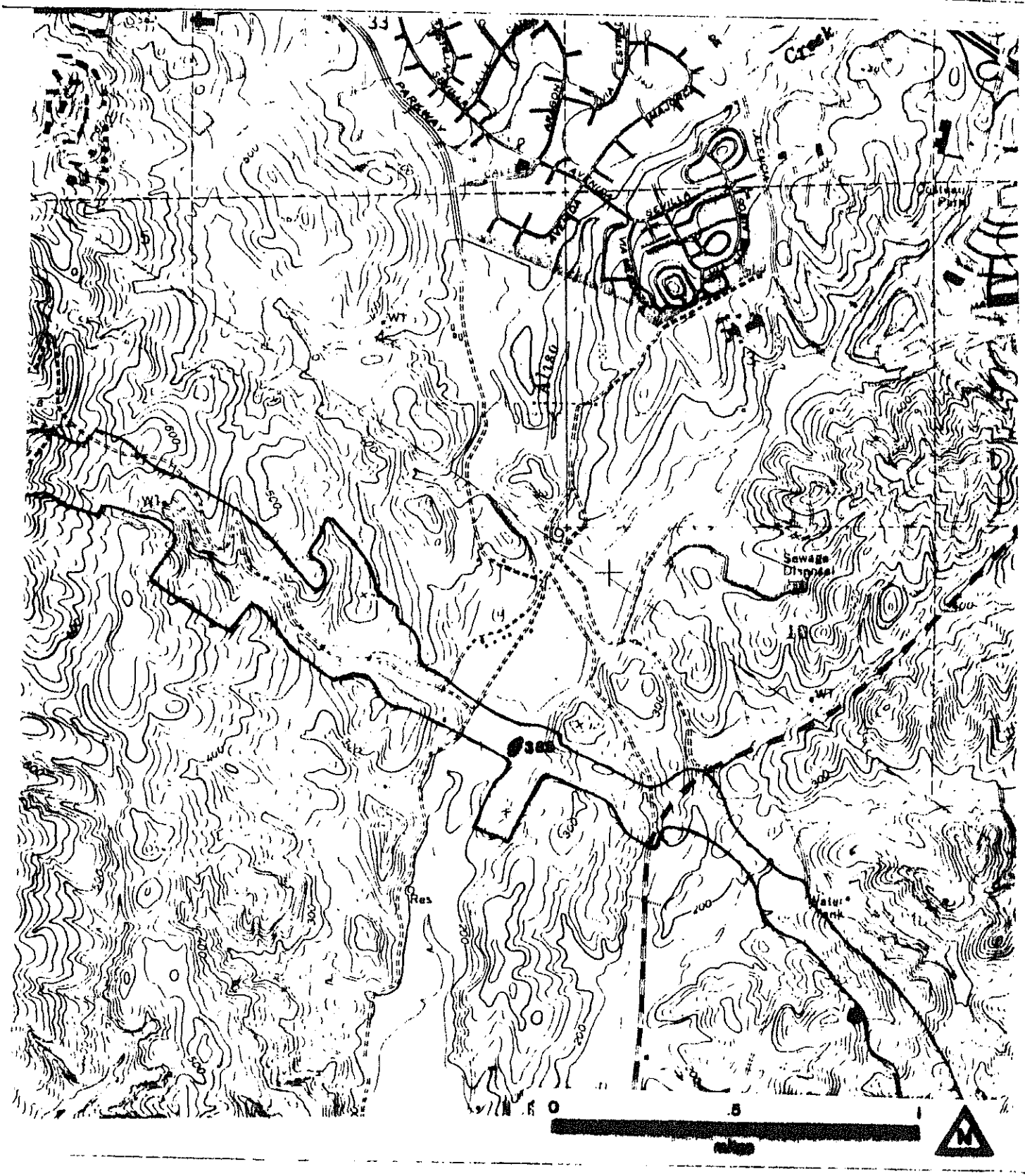
ARCHEOLOGICAL SITE LOCATION MAP

Page 5 of 7.

Permanent Trinomial: CA-Ora-389 / April 1985
mo. yr.

Temporary Number: _____

Agency Designation: _____



State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL PHOTOGRAPHIC RECORD

Page 6 of 7.

Permanent Trinomial: Various / April 1985 (mo. / yr.)

Temporary Number:

Agency Designation: San Joaquin Hills Trans. Corridor

Camera and Lens Types	Film Type and Speed	Year
Nikormatt FT-2 35mm	Plus X, ASA-125, B/W Roll 91-3	1985

Mo.	Day	Time	Exp./Frame	Subject/Description	View Tow.	Accession Number
04	01		2	Rockshelter 5 interior wall		
04	01		3	Rockshelter 6		
04	01		4	Rockshelter 5&6		
04	01		5	Rockshelter 5&6		
04	01		6	Rockshelter 5		
04	01		7	Rockshelter 6		
04	01		8	View from rockshelter 5 to Signal Peak		
04	01		9	S.U. 3		
04	01		10	Rockshelter 6		
04	01		11	Petroglyph at rockshelter 3		
04	01		12	Ora 930 Basin metate frag		
04	01		13	" " "		
04	01		14	Ora 930 2 Manos (1 fragged)		
04	01		15	" " "		
04	01		16	Ora 930 2 Hammerstones, 1 mano		
	01		17	" " "		
04	01		18	Ora 930 View north toward deflated area	N	
04	01		19	" " "	N	
04	01		20	Ora 930 View south toward deflated area	S	
04	01		21	Ora 389 Mano-bifacial/beveled		
04	01		22	" " "		
04	01		23	Ora 389 Burrow tailing-note shell in backdirt	N	
04	01		24	" " "	N	
04	01		25	Ora 389 Quartz core		
04	01		26	" "		
04	04		27	CA-Ora-689 View of shelter and crew	NW	
04	04		28	" " "	N	
04	04		29	" " "	N	
04	05		30	CA-Ora 125 View of shelter from hillside across Bonita Creek	SE	
04	05		31	" " "	SE	
04	05		32	CA-Ora 125 View of shelter from hilltop across Bonita Creek	SE	
04	05		33	" " "	SE	
04	05		34	CA-Ora-107 View of site from hilltop to north Bob & Jill excavation P.H.	S	
04	05		35	" " "	S	
04	05		36	CA-Ora-225 Overview from hill to east	W	
04	05		37	CA-Ora-226-A Overview from hill to east	W	

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL PHOTOGRAPHIC RECORD

Page 7 of 7.

Permanent Trinomial: Various / March/April 1985 (mo. / yr.)

Temporary Number:

Agency Designation: San Joaquin Hills Trans. Corridor

Camera and Lens Type	Film Type and Speed	Year
Pentax ME Super 50mm	Kodachrome Asa 64; C/S Roll 91-2	1985

Mo.	Day	Time	Exp./Frame	Subject/Description	View Tow.	Accession Number
03	31		2	Rockshelter 4 Shelter A entrance	n	
03	31		3	Rockshelter 4 S.U. 1 at shelter A		
03	31		4	" " " (scale =1m)		
03	31		5	Ora-125-A View of shelter, S.U. crew in front	w	
03	31		6	" " " "	e	
03	31		7	Ora-125-A Interior view of shelter	e	
03	31		8	Crew recording S.U. 3	n	
04	01		10	Basin metate frag CA-Ora 930		
04	01		11	CA-Ora 930 2 Manos		
04	01		12	CA-Ora 930 2 Hammerstong, 1 mano		
04	01		13	" " " "		
04	01		14	CA-Ora 930 View north to deflated area	n	
04	01		15	CA-Ora 930 View south to deflated area	s	
04	01		16	CA-Ora 389 Crew clearing S.U. 76	nw	
04	01		17	CA-Ora 389 Bifacially ground (beveled) mano	nw	
04	01		18	CA-Ora 389 Animal burrow tailings-note shell	n	
04	01		19	CA-Ora 389 " " " "	n	
04	01		20	Quartz core CA-Ora 389		
04	04		21	CA-Ora 689 Overview of shelter & crew	nw	
04	04		22	" " " "	nw	
04	04		23	" " " "	n	
04	04		24	" " " "	n	
04	05		25	CA-Ora 125 View of shelter from hillside across Bonita Creek	se	
04	05		26	CA-Ora 125 View of shelter from hilltod across Bonita Creek	se	
04	05		27	CA-Ora 107 View of site from hilltop to north-Bob & Jill Excavating P.H.	s	
04	05		28	" " " "	s	
04	05		29	CA-Ora 226-A Overview from hill to east	w	
04	05		30	CA-Ora 225 Overview from hill to east Ora 123 in left distance at road	w	
04	05		31	CA-Ora 225 Octagonal foundation on west side of site	s sw	
04	05		32	CA-Ora 222 Profile of creek bank 7 m west of S.U. 43 (scale is 160 cm)	e	
04	05		33	" " " "	e	
04	08		34	CA-Ora 57 View of recent grading in area of construction trailer	e	
04	08		35	CA-Ora 57 midden as slope wash below S.U. 28-B	w	

Permanent Trinomial: CA-Ora-389
Other Designations: _____
Update: XX

ARCHEOLOGICAL SITE RECORD

1. County: Orange.

2. USGS Quad: San Juan Capistrano (7.5') 1968 (15') ___ Photorevised 1981.

3. UTM Coordinates: Zone 11 433820 m Easting 3715140 m Northing (__).

4. Township 7S Range 8W:unsectioned ¼ of ¼ of ¼ of ¼ of Section
Base Meridian SBR (__).

5. Map Coordinates: 227 mmS 143 mmE (From NW corner of map) (__).

6. Elevation: 210 feet (__).

7. Location: On west bank of Aliso Creek 550 feet west of Alicia Parkway. Access obtained by entering Aliso Viejo Ranch, driving up to Headquarters and continuing on dirt road SW 1000 feet to where road meets driveway to residence. Site is 900 feet ESE across Barley field. (__).

8. Prehistoric XX Historic ___ Protohistoric ___ (__).

9. Site Description: Residential base (central base village habitation site); may have been field camp during later part of occupation (__).

10. Area 100 m(NS) x 30 m(EW) 2,356 m^2
Method of Determination: Compass and Pacing (__).

11. Depth: 90-100+ cm. Method of Determination: 20cm diam. posthole excavated in 10cm levels (__).

12. Features: None noted (__).

13. Artifacts: Flaked stone tools, debitage, manos, pestles, bowl; 1972 survey observed a projectile point, cores (__).

14. Non-Artifactual Constituents and Faunal Remains: Shell (mostly Mytilus, some Balanus, Pecten), veterbrate fauna (rabbit, jackrabbit, ground squirrel, kangaroo rat, wood rat, dog/coyote, mountain lion, deer-sized mammal, small/medium sized mammal, artidactyla, intrusive rodent). (__).

15. Date Recorded: March 19, 1991: update (__).

16. Recorded By: P. de Barros; previously recorded by M. Macko (__).

17. Affiliation and Address: Chambers Group, Inc. 1761-A East Garry Avenue, Santa Ana, California 92705 (__).

See Continuation Sheet (X)

Permanent Trinomial: CA-Ora-389
Other Designations: _____
Date: March 19, 1991

ARCHEOLOGICAL SITE RECORD

18. Human Remains: Observed eroding out of Aliso Creek, plus one surface specimen. (__).

19. Site Disturbances: Site remnants are continually eroding into Aliso Creek. Plowing and bulldozing have been heavy in portions of the site. Rodent burrowing very high. (__).

20. Nearest Water (Type, distance and direction): Intermittent Aliso Creek, on site, east (__).

21. Vegetation Community (site vicinity): Riparian/cultivated (__).

22. Vegetation (on site): Seasonal grasses (__).

23. Site Soil: Dark grayish brown silty loam (10YR 4/2) (__).

24. Surrounding Soil: As above (__).

25. Geology: Quaternary Alluvium (Recent) (__).

26. Landform: Creek terrace/flood plain (__).

27. Slope: 0 - 2 degrees (__).

28. Exposure: Open (__).

29. Landowner(s) (and/or tenants) and Address: Aliso Viejo Company (__).

30. Remarks: Site has been determined eligible for listing on the National Register of Historic Places (NRHP). Site has an excellent profile visible in creek bank. It appears that site has considerable depth in bank, but postholes did not support this. It is likely that the bank has slumped, and that shell has washed down to what appears to be a lower level (__).

31. References: Final Test Investigation Report and Request for Determination of Eligibility for 23 Sites Along the San Joaquin Hills Transportation Corridor, Volume I, prepared for the Transportation Corridor Agencies by Chambers Group, Inc., June, 1990 (__).

32. Name of Project: San Joaquin Hills Transportation Corridor (__).

33. Type of Investigation: Testing Phase (__).

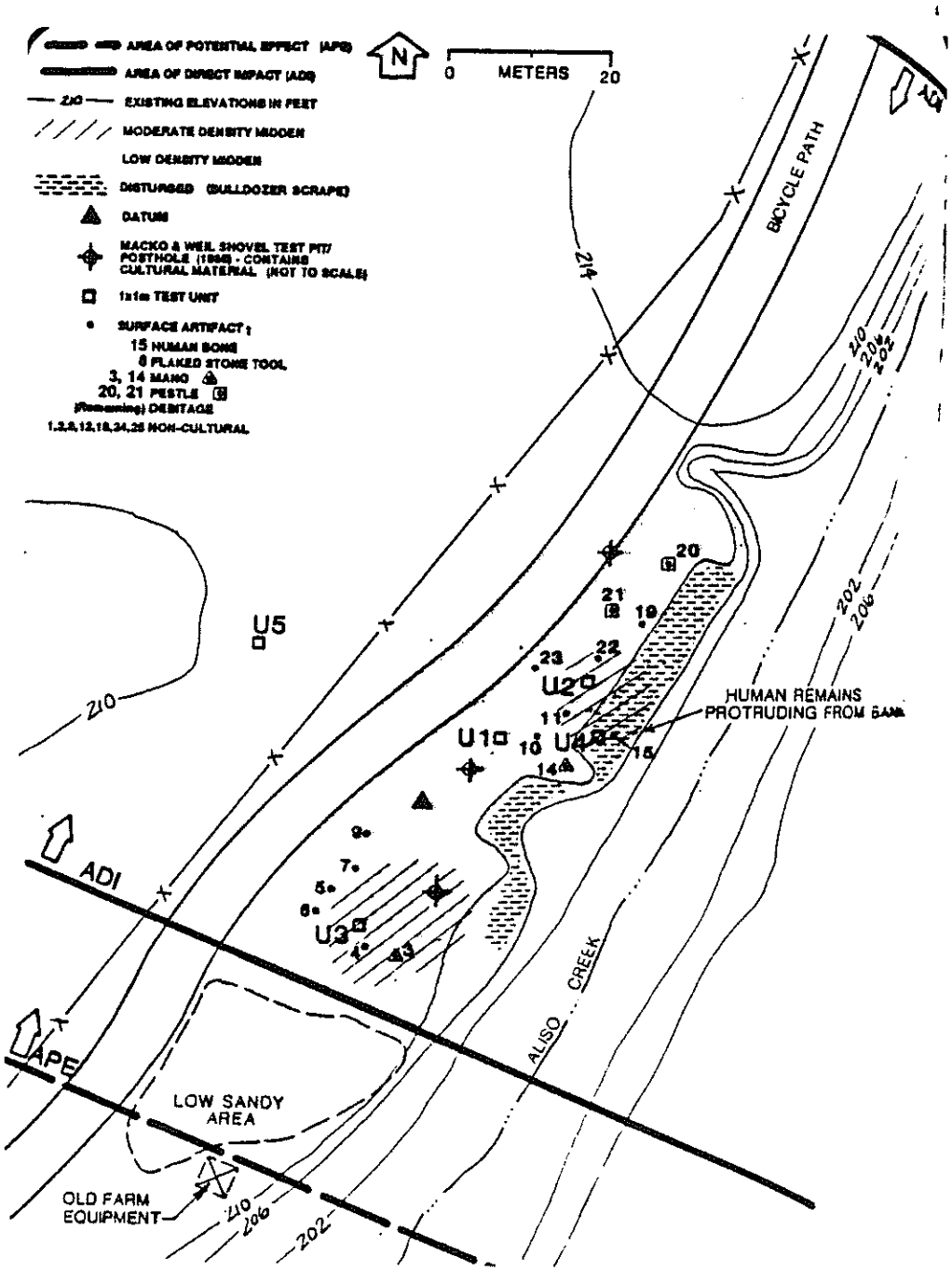
34. Site Accession Number:
Curated At: Museum of Natural History and Science, 150 Columbia Street, Aliso Viejo, California 92656 (__).

35. Photos: On file at Chambers Group, Inc. (__).

See Continuation Sheet (X)

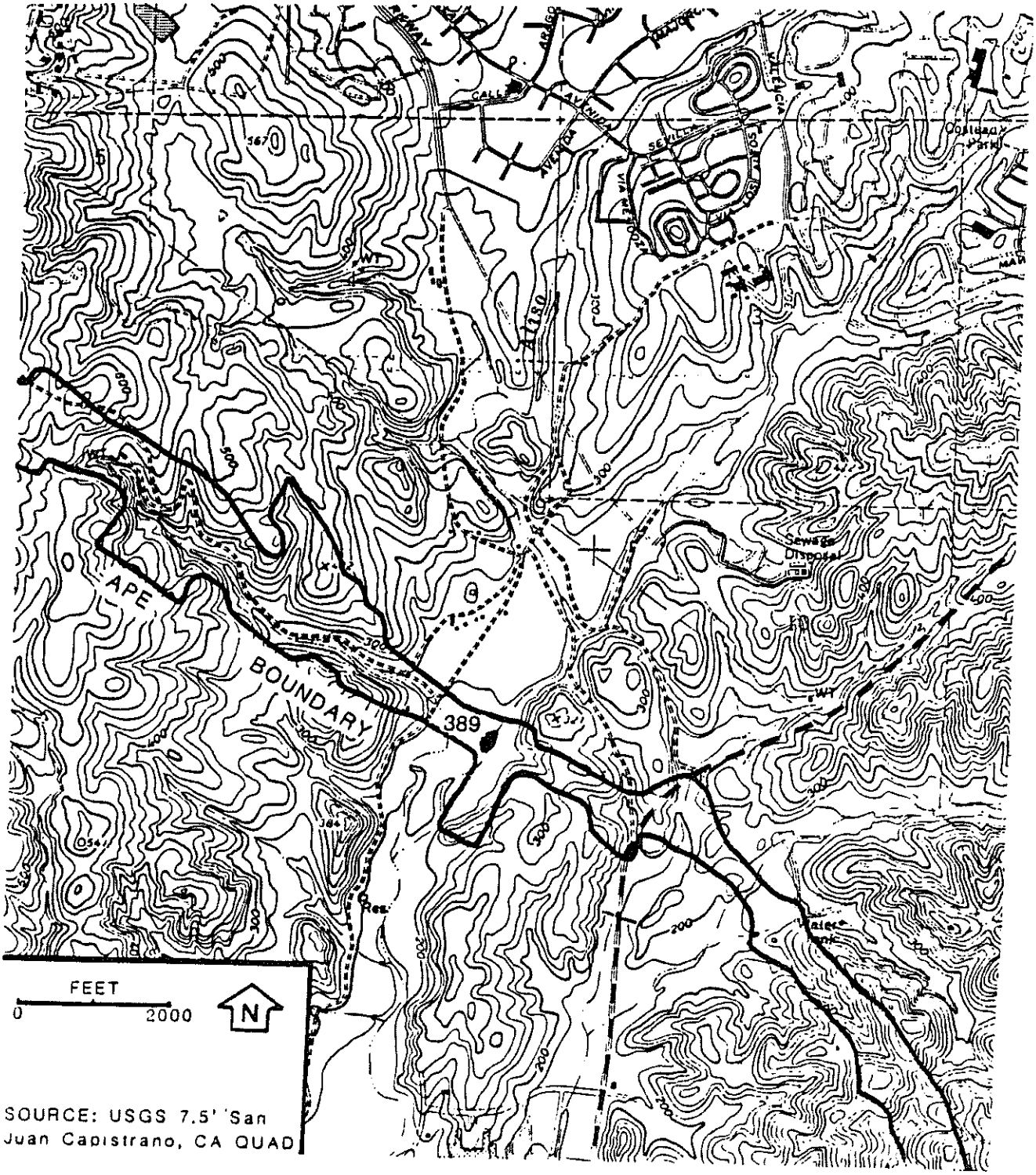
Permanent Trinomial: CA-Ora-389
Other Designations: _____
Date: March 19, 1991

ARCHEOLOGICAL SITE MAP



Permanent Trinomial: CA-Ora-389
Other Designations: _____
Date: March 19, 1991

ARCHEOLOGICAL SITE LOCATION MAP



State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

CONTINUATION SHEET

Primary # 30-000420
HRI#
Trinomial CA-ORA-420

Page 1 of 1 *Resource Name or # (Assigned by recorder)

*Recorded by: P. Fulton *Date: 12/22/2008 ☐ Continuation ☒ Update

Site 30-000420 is plotted in the northeast quadrant of the intersection of State Route 73 (SR-73) lanes and Glenwood Drive. The site has been completely destroyed by construction of SR-73 and Glenwood Drive and commercial development north of the Caltrans right-of-way.

Overview from the southern edge of the plotted site boundary. View to the north.

ARCHAEOLOGICAL RESEARCH, INC.
COSTA MESA, CALIFORNIA 92627

ARCHAEOLOGICAL SITE SURVEY RECORD

1. Site Ora-420 2. Map San Juan Capistrano 3. County Orange
4. Twp. 7 S Range 8W SE 1/4 of SE 1/4 Sec. 5
5. Location UTM 3224 - 1660

6. Contour elevation 620'
7. Previous designation for site none
8. Owner L.F. Moulton Trust 9. Address
10. Previous owners, dates unknown
11. Present tenant none
12. Attitude toward excavation favorable
13. Description of site Scattered fragmented artifacts on hill top. Possible milling stone site.
14. Area 250 M x 150 M 15. Depth 16. Height
17. Vegetation barley crop 18. Nearest water 300 M south to creek
19. Soil of site chalky white 20. Surrounding soil type same
21. Previous excavation none
22. Cultivation yes 23. Erosion some, not excessive
24. Buildings, roads, etc. Dirt road cuts across south part of site
25. Possibility of destruction ?
26. House pits none observed
27. Other features none
28. Burials none
29. Artifacts mano fragment, metate fragment, 4 hammerstones, 1 chopper

30. Remarks many non-artifactual rock fragments present

31. Published references none known
32. Accession No. 33. Sketch map none
34. Date 7-25-73 35. Recorded by Cooley, Ellis, Hall 36. Photos 2 taken

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

CONTINUATION SHEET

Primary # 30-000618
HRI#
Trinomial CA-ORA-618

Page 1 of 1 *Resource Name or # (Assigned by recorder)

*Recorded by: P. Fulton *Date: 12/22/2008 ☐ Continuation ☒ Update

Site 30-000618 is plotted extending from the lanes of southbound State Route 73 (SR-73) approximately 200 feet west of Newport Coast Drive to the northbound SR-73 on-ramp from Newport Coast Drive. The site has been completely destroyed by construction of SR-73 and Newport Coast Drive.

Overview of the plotted site location. View to the west.

ARCHAEOLOGICAL RESEARCH, INC.
3303 HARBOR BLVD., B-9
COSTA MESA, CALIFORNIA 92626
(714) 557-8981

ARCHAEOLOGICAL SITE SURVEY RECORD

ORA 618
CA-Ora-000618

1. Site [redacted] 2. Map Laguna Beach Quad 7.5 min. (SE of #71 15 min.) 3. County Orange

4. Twp. 6 S Range 9 W SE 1/4 of NE 1/4 Sec. 98

5. Location northeast portion of priminent hill on north side of Coyote Creek. Artifacts found in road that runs east-west along NE portion of hills. Fence borders north side of road before hill slopes downward.

UTM: 11/423210-423310E/3720460-3720540N. 6. Contour elevation 460'

7. Previous designation for site

8. Owner 9. Address

10. Previous owners, dates

11. Present tenant

12. Attitude toward excavation

13. Description of site Small artifact and shell scatter within bed of road

14. Area 15. Depth 16. Height

17. Vegetation mustard, European grasses and artichokes. 18. Nearest water Coyote Creek approx 1000' S.

19. Soil of site gray-brown 20. Surrounding soil type same

21. Previous excavation unknown

22. Cultivation 23. Erosion

24. Buildings, roads, etc. artifacts found in graded road bed

25. Possibility of destruction

26. House pits none noted

27. Other features none noted

28. Burials none noted

29. Artifacts 1 conglomerate metate fragment, 1 schist metate fragment and four fragments of shell

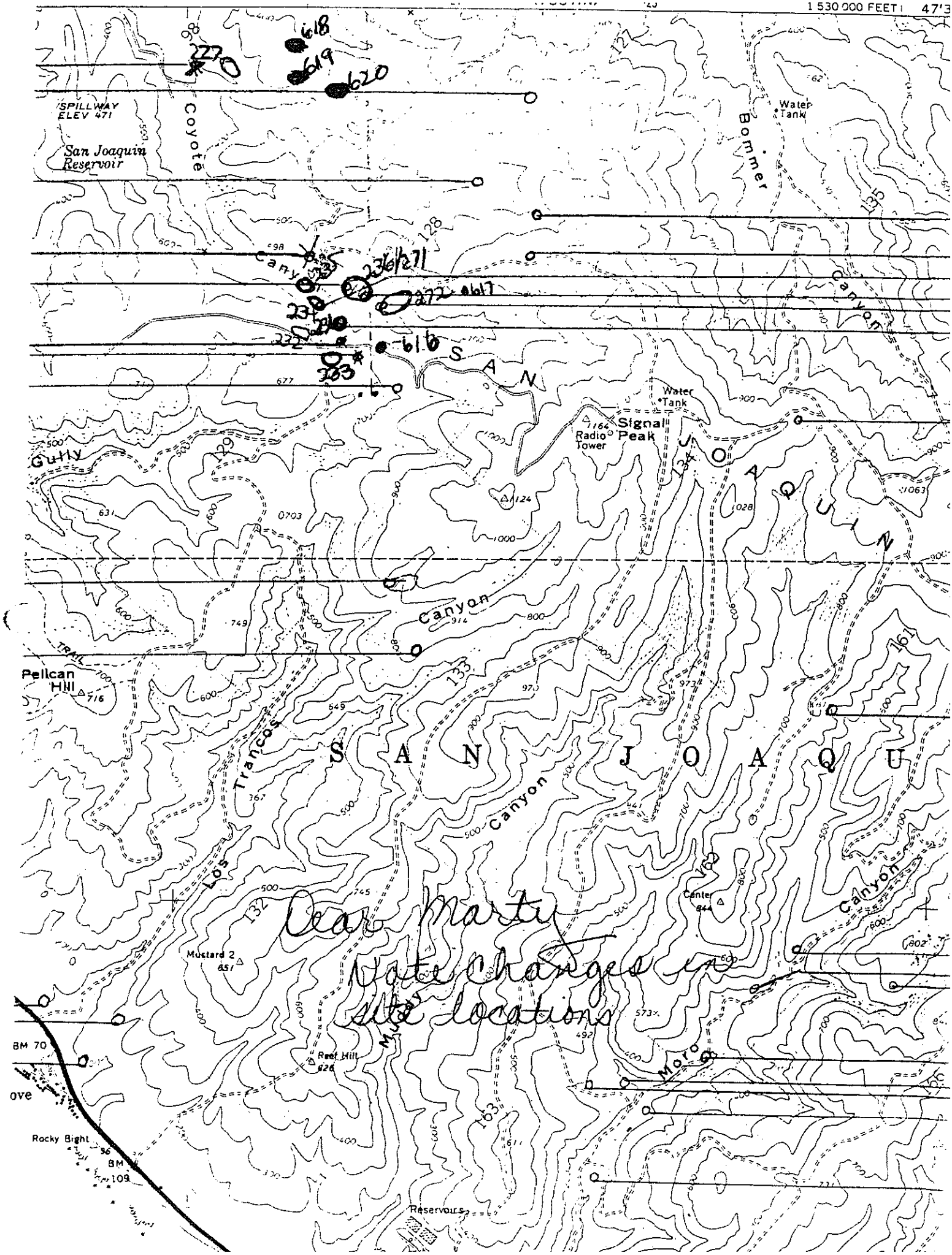
30. Remarks maybe a secondary deposit due to road grading

31. Published references

32. Accession No. 33. Sketch map

34. Date 4/11/77 35. Recorded by J. Neitzel 36. Photos None

L. Kohler, C. Carter


1 530 000 FEET
47'3
SPILLWAY ELEV 471
San Joaquin Reservoir
Coyote
Bommer Canyon
Water Tank
Signal Peak
7164
Radio Tower
SAN JOAQUIN
Gully
Canyon
TRAIL
Pelican Hill
716
Trancos
Los
Mustard 2
651
Reef Hill
626
Center
944
Moro
BM 70
Rocky Bight
BM 109
Reservoirs
618
619
620
616
617
Dear Marty
Note changes in
site locations

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

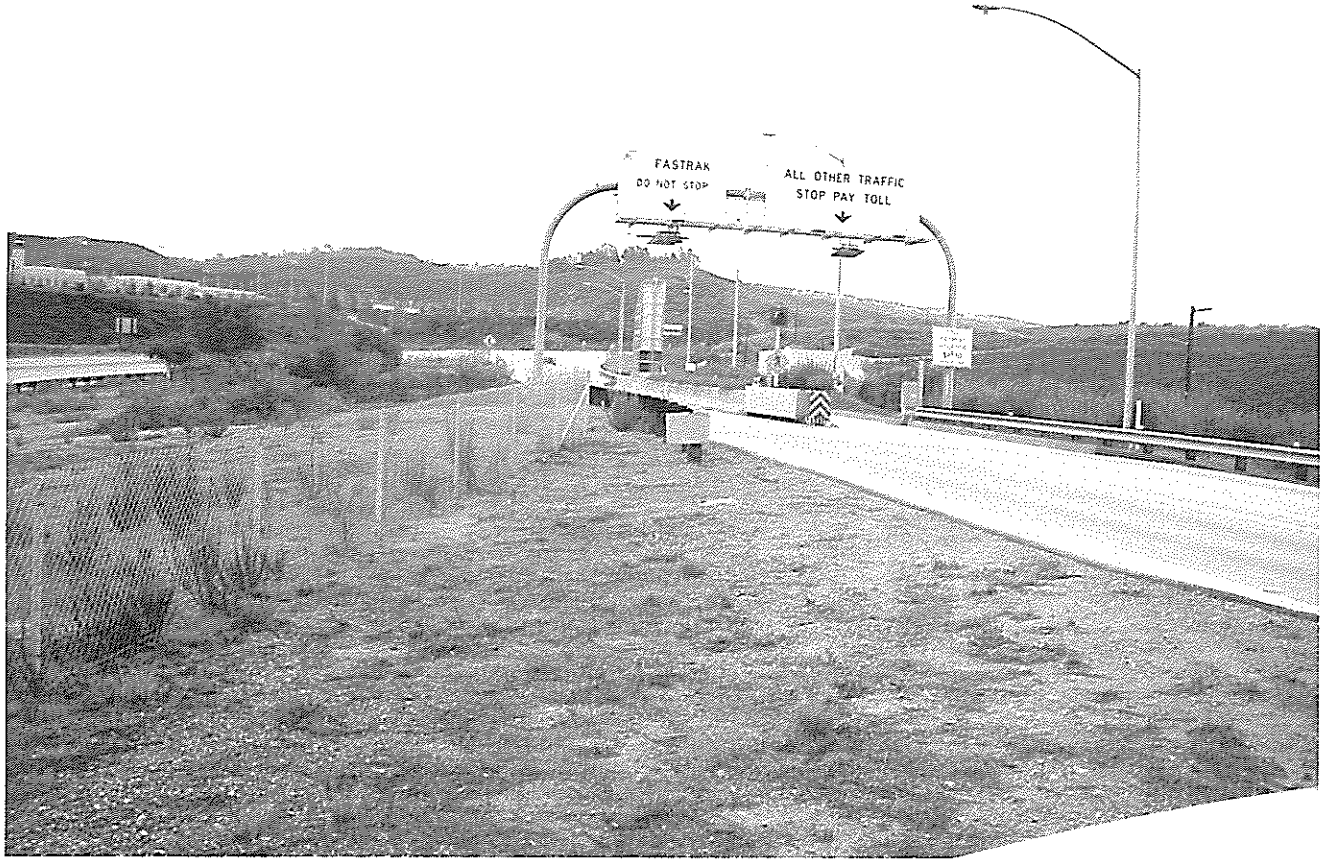
CONTINUATION SHEET

Primary # 30-000619
HRI#
Trinomial CA-ORA-619

Page 1 of 1 *Resource Name or # (Assigned by recorder)

*Recorded by: P. Fulton *Date: 12/22/2008 ☐ Continuation ☒ Update

Site 30-000619 is plotted extending from the median beween State Route 73 (SR-73), the southbound SR-73 off-ramp to Newport Coast Drive, and Newport Coast Drive on the north to approximately 130 feet southeast of the southbound SR-73 off-ramp. The site has been destroyed within the Caltrans right-of-way by construction of SR-73 and Newport Coast Drive. The site may still be extant beyond the Caltrans right-of-way.



Overview of the plotted site location from the shoulder of the southbound SR-73 off-ramp to Newport Coast Drive. View to the south.

ARCHAEOLOGICAL RESEARCH, INC.
3303 HARBOR BLVD., B-9
COSTA MESA, CALIFORNIA 92626
(714) 557-8981

CA-Ora-000619 ARCHAEOLOGICAL SITE SURVEY RECORD

ORA 619

1. Site [redacted] 2. Map Laguna Beach Quad 7.5 min. 3. County Orange
4. Twp. 6 S Range 9 W SE 1/4 of NE 1/4 Sec. 98
5. Location east of prominent hill on north bank of Coyote Creek within area bordered by two small converging drainages
UTM: 11/423200-423300E/3720285-3720360N. 6. Contour elevation 420-440'
7. Previous designation for site
8. Owner 9. Address
10. Previous owners, dates
11. Present tenant
12. Attitude toward excavation
13. Description of site light shell scatter
14. Area 500' x 300' 15. Depth 16. Height
17. Vegetation grasses, mustard, European cactus 18. Nearest water Coyote Creek
19. Soil of site brown 20. Surrounding soil type same
21. Previous excavation
22. Cultivation 23. Erosion
24. Buildings, roads, etc. old fire break runs north through site and several bulldozer cuts were noted in southern section of site
25. Possibility of destruction
26. House pits none observed
27. Other features none observed
28. Burials none observed
29. Artifacts none observed
30. Remarks Shell types: Pectin, Chione and Ostrea
31. Published references
32. Accession No. 33. Sketch map
34. Date 4/11/77 35. Recorded by J. Neitzel, C. Carter, L. Kohler 36. Photos

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
CONTINUATION SHEET

Primary # 30-001041
HRI#
Trinomial CA-ORA-1041

Page 1 of 1 *Resource Name or # (Assigned by recorder)

*Recorded by: P. Fulton *Date: 12/22/2008 ☐ Continuation ☒ Update

Site 30-001041 is plotted extending from the northbound off-ramp from State Route 73 (SR-73) to Macarthur Boulevard on the west for approximately 2,200 feet onto the University of California, Irvine. The site has been completely destroyed by the construction of SR-73 and Macarthur Boulevard and the development of the University of California, Irvine.

Overview of the plotted site location from the shoulder of the northbound SR-73 on-ramp from Bison Avenue. View to the north.

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL SITE RECORD

Permanent Trinomial: Ora-1041 Supplement ☐

Temporary Number:

Page 1 of 3.

Agency Designation: MAPPED

1. County: Orange

2. USGS Quad: Tustin (7.5') X (15') 1972 Photorevised 1972

3. UTM Coordinates: Zone 11 to center / 421000 Easting / 3722560 ✓ Northing ( )

4. Township 6S Range 9W ¼ of SW ¼ of SE ¼ of NE ¼ of Section 27 Base (Mer.) SB ( )

5. Map Coordinates: 485 mmS 395 mmW (from NW corner of map) 6. Elevation 133'

7. Location: situated along two connected Knoll Tops located north of Bonito Canyon Road and east of MacArthur Blvd. Site occupies Knoll Tops and Saddle. ( )

8. Prehistoric X Historic ? Protohistoric ? 9. Site Description: A very sparse lithic (metavolcanic) quarry and lithic workship area. Estimate two flakes per 25 m^2. Site may extend to base of hill on west side. ( )

10. Area: 600 m(length) x 100 m(width) 60,000 m^2. Method of Determination: USGS Map ( )

11. Depth: Surface cm Method of Determination: exposed bedrock ( )

12. Features: Natural metavolcanic rock outcrops ( )

13. Artifacts: Several andesite, felsite and cherty shale flakes, 1 andesite core/core tool. ( )

14. Non-Artifactual Constitutients: extensive metavolcanic outcrops also sandstone and calcium carbonate conglomerates. ( )

15. Date Recorded: 5/21/83 16. Recorded By: John Romani and Alan Corbin ( )

17. Affiliation and Address: Caltrans 120 S. Spring St. L. A. ( )

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL SITE RECORD

Permanent Trinomial: Ora-1041 / 5/83 (mo. / yr.)

Temporary Number:

Agency Designation:

13. Human Remains: None ( )

19. Site Integrity: A narrow dirt [illegible] has impacted the site to a minor degree along the crest of the ridge top. ( )

20. Nearest Water (type, distance and direction): Bonita Canyon 100 meters south ( )

21. Largest Body of Water within 1 km (type, distance and direction): same ( )

22. Vegetation Community (site vicinity): appuntia , non native grasses [Plant List ( )] ( )

23. Vegetation Community (on site): same [Plant List ( )] ( )

References for above: ( )

24. Site Soil: light tan sand ( )

25. Surrounding Soil: same on slopes, darker loam at base of Hill ( )

26. Geology: metavolcanic contact zone ( )

27. Landform: SW NE trending ridge, two Knoll Tops ( )

28. Slope: 1-2 on ridge top ( )

29. Exposure: total ( )

30. Landowner(s) (and/or tenants) and Address: ( )

31. Remarks: on site vegetation (grasses and appuntia) extremely dense on Knoll Tops and slopes, site may be more extensive, may extend to base of Hill to west. ( )

32. References: ( )

33. Name of Project: Caltrans Environmental Clearance for proposed borrow area . ( )

34. Type of Investigation: Environmental clearance ( )

35. Site Accession Number: Curated At: ( )

36 Photos: Taken By: ( )

37. Photo Accession Number: On File At: ( )

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL SITE LOCATION MAP

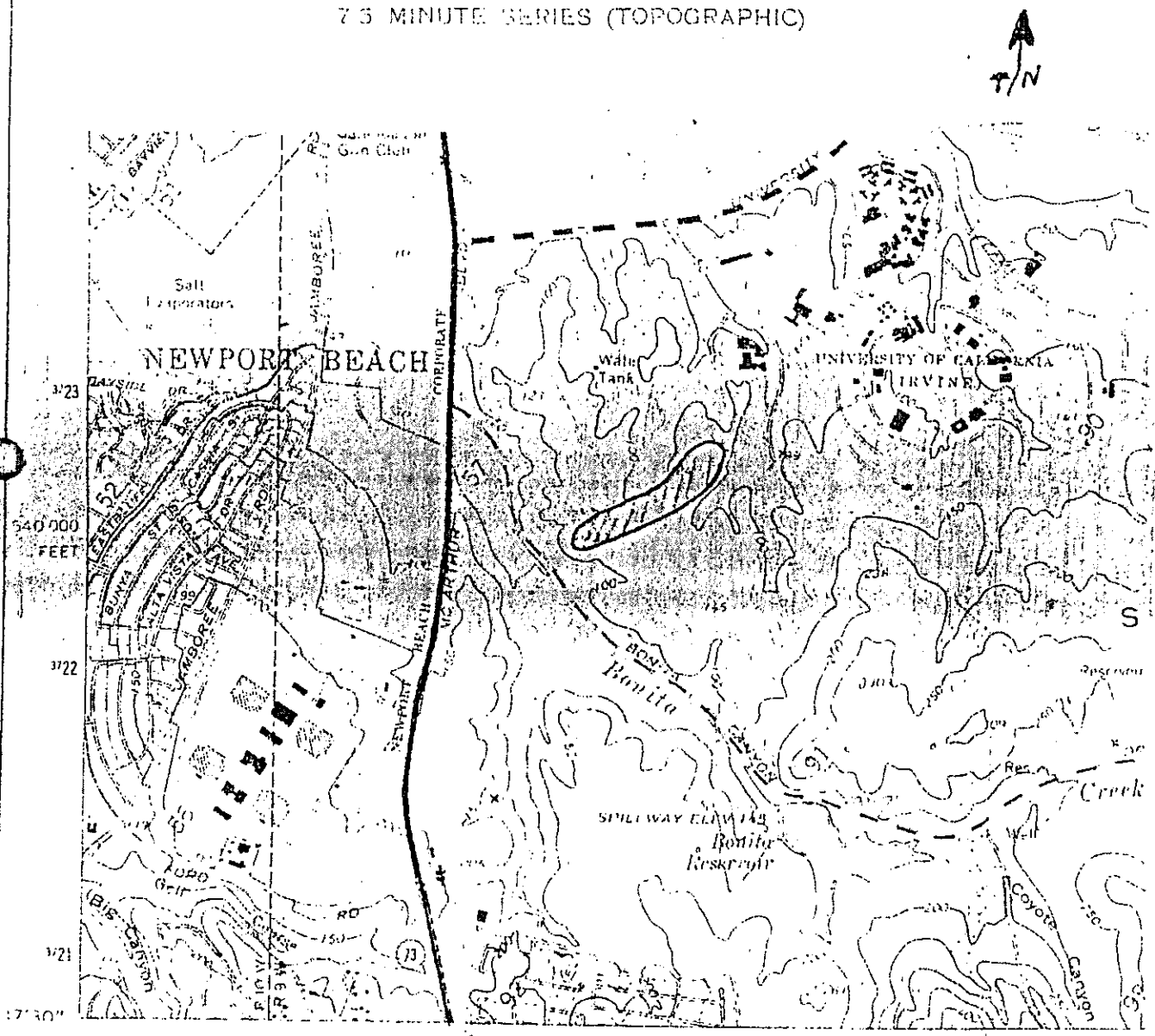
Page 3 of 3.

Permanent Trinomial: Ora-1041 / 5/83 (mo. / yr.)

Temporary Number: _____

Agency Designation: _____

TUSTIN QUADRANGLE
CALIFORNIA - ORANGE CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)



Scale 1:24000

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

Primary # _____
HRI#/Trinomial CA-ORA-1041

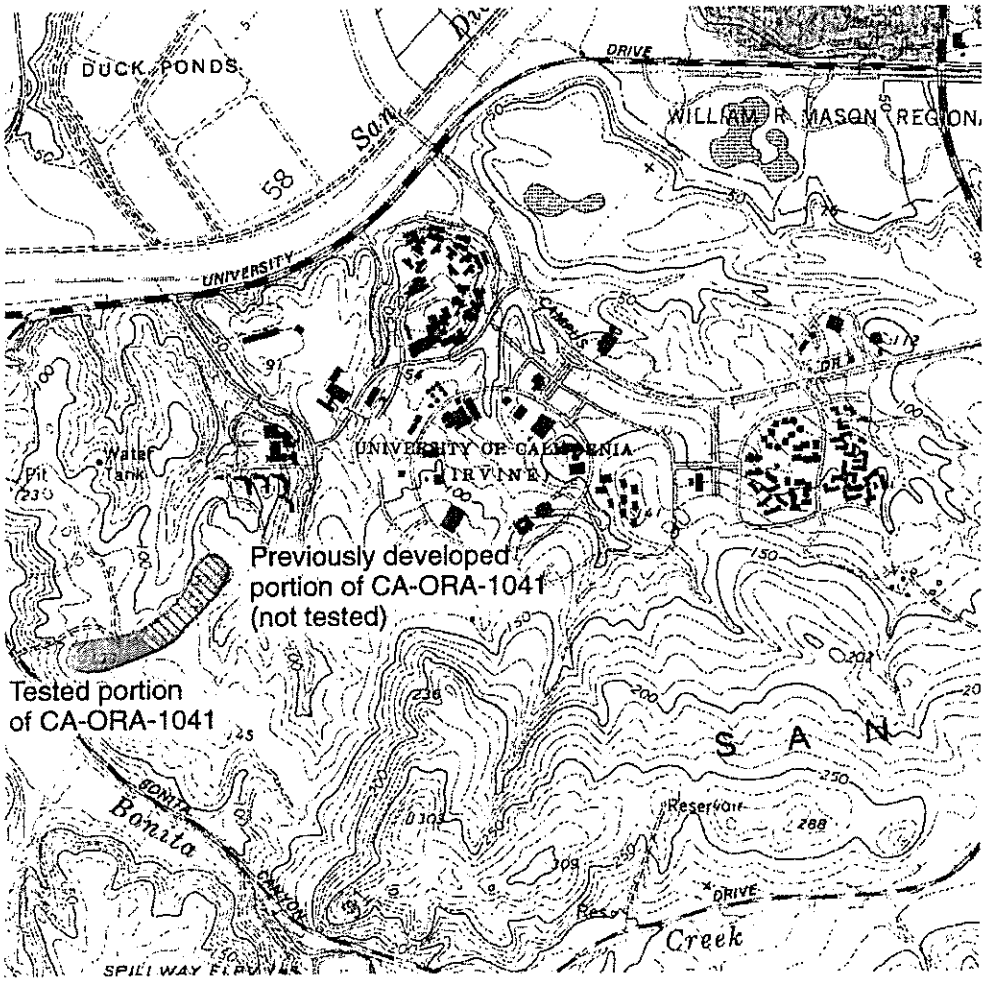
CONTINUATION SHEET

Page 1 of 2 *Resource Name or # (Assigned by recorder) CA-ORA-1041

* Recorded by Beth Padon *Date March 8, 1999 ☐ Continuation ☒ Update

type continuation material here

In September, 1998, Discovery Works, Inc. conducted an archaeological testing program of the remaining undisturbed portion of CA-ORA-1041. Archival data indicated that this site had been recorded in 1983, revisited in 1988 (Bissell, #O-939) and 1989 (Breece #O-981) and reviewed in 1990 (Jertberg #O-1058) but no subsurface investigation had been conducted to fully document the vertical or horizontal extent of this resource. Discovery Works archaeologists re-examined the site area by conducting two to three meter wide transects across the area, shovel scrapes along the transects, and excavaing six, one by one meter units within the suspected and remaining site area. The field invesitgations found eighteen pieces of weathered shellfish and four stone artifacts on the surface and only two pieces of debitage and nine shelf fragements in the excavated units. Based upon the limited evidence of prehistoric use, we recommended no further scientific investigation at CA-ORA-1041 be conducted prior to covering the area with stockpiled soil. The Irvine Company also agreed to cover the area without scraping the surface or removing the existing vegetation. For further information on field procedures, results, and project background, please review Archaeological Testing Report for CA-ORA-1041 University Research Park, Phase 10, Irvine, California, Beth Padon, Discovery Works, Inc., Irvine, California, on file at the South Central Coastal Information Center. The following figures provide the site's location on the *Tustin* USGS quadrangle, and a site map of the 1998 survey and excavation.



Tustin USGS 7.5 minute 1965 photorevised 1981

*Required Information

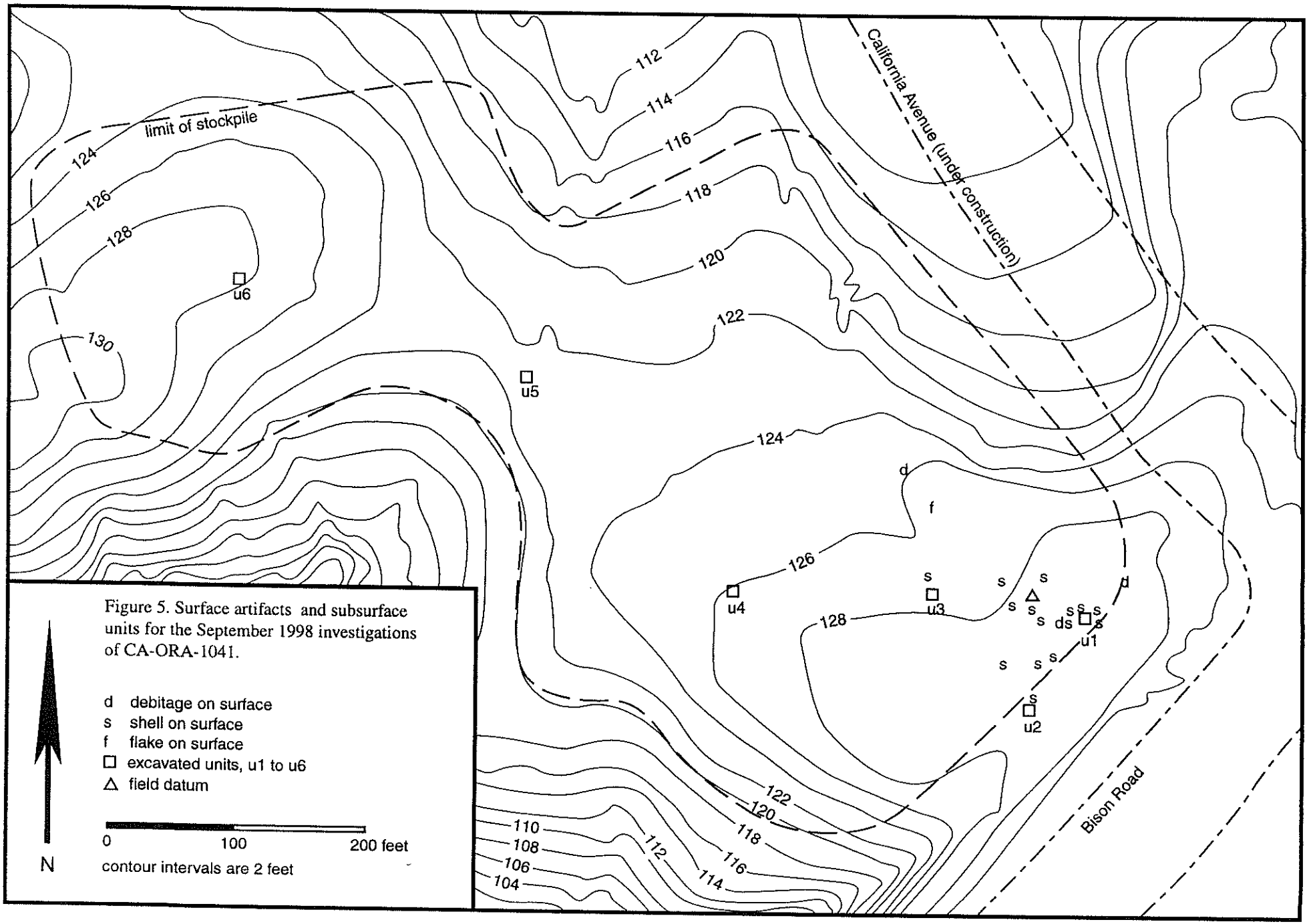


Figure 5. Surface artifacts and subsurface units for the September 1998 investigations of CA-ORA-1041.

d debitage on surface
s shell on surface
f flake on surface
□ excavated units, u1 to u6
△ field datum

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

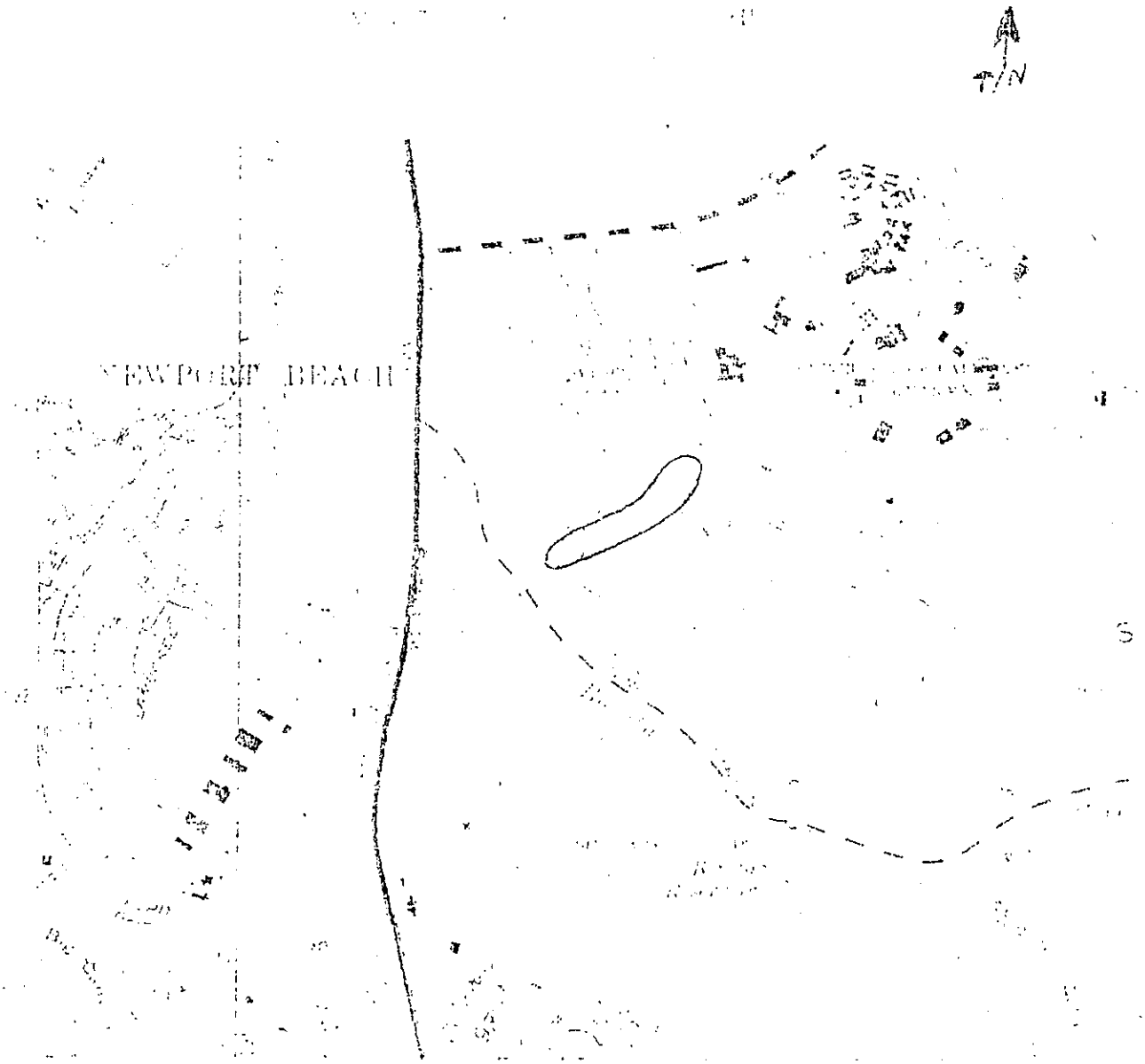
ARCHEOLOGICAL SITE LOCATION MAP

Page 3 of 3.

mial: Ora-1041 / 5/83
mo. yr.

umber:

tion:



Scale 1:24000

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

CONTINUATION SHEET

Primary # 30-001081/001436
HRI#
Trinomial CA-ORA-1081/1436

Page 1 of 1 *Resource Name or # (Assigned by recorder)

*Recorded by: P. Fulton *Date: 12/22/2008 ☐ Continuation ☒ Update

Site 30-001081/001436 is plotted adjacent to the west of El Toro Road and extending from the southbound State Route 73 (SR-73) lanes to approximately 30 feet south of the southbound SR-73 off-ramp to El Toro Road. The site has been completely destroyed by the construction of SR-73.

Overview of the plotted site area from the southbound SR-73 off-ramp to El Toro Road. View to the east.

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL SITE RECORD

Permanent Trinomial: CA-Ora-1081 Supplement ☐

Temporary Number: El Torito

Page 1 of 4 .

Agency Designation:

MAPPED

1. County: Orange
2. USGS Quad: Laguna Beach, CA (7.5') 1965 (15') Photorevised 1981
3. UTM Coordinates: Zone 11 / 430213 Easting / 3716810 Northing (X)
4. Township 7S Range 8W SE ¼ of NE ¼ of NW ¼ of SE ¼ of Section 180 Base (Mer.) SBR ( )
5. Map Coordinates: 160 mmS 478 mmE (from NW corner of map) 6. Elevation 310'
7. Location: 20 meters west of El Toro Rd in large fan approx. 0.75 mile north of the junction of El Toro and Laguna Canyon Roads. ( )
8. Prehistoric X Historic Protohistoric 9. Site Description: Very low density shell and chipped stone scatter. ( )
10. Area: 30 m(length)x 30 m(width) 750 m^2. Method of Determination: compass and pacing ( )
11. Depth: Surface cm Method of Determination: Shovel probes ( )
12. Features: none noted ( )
13. Artifacts: One large Monterey chert lanceolate projectile point and two pieces of metavolcanic debitage. ( )
14. Non-Artifactual Constituents: 19 heavily calcined shell fragments, primarily Pecten. ( )
15. Date Recorded: April 10, 1985 16. Recorded By: M. Macko, et al. ( )
17. Affiliation and Address: APPLIED CONSERVATION TECHNOLOGY, INC. 14340 Bolsa Chica Road, Suite E Westminster, California 92683 ( )

DPR 422A (Rev. 8/82)

State of California The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL SITE RECORD

Permanent Trinomial: CA-Ora-1081 / April (mo.) 1985 (yr.)

Temporary Number: El Torito

Agency Designation:

18. Human Remains: none noted ( )

19. Site Integrity: Poor. Previous grading and grazing evident. Gravel rd shown on U.S.G.S. as unimproved dirt rd, bisects site. Moderately steep slope suggests considerable movement from slope wash. ( )

20. Nearest Water (type, distance and direction): intermittent stream. 30cm. south-southwest. ( )

21. Largest Body of Water within 1 km (type, distance and direction): same ( )

22. Vegetation Community (site vicinity): introduced grasses, Riparian, sagescrub [Plant List ( )] ( )

23. Vegetation Community (on site): introduced grasses [Plant List ( )] ( )

References for above: ( )

24. Site Soil: sandy loam ( ) 25. Surrounding Soil: ( )

26. Geology: recent alluvium ( ) 27. Landform: alluvial fan ( )

28. Slope: ( ) 29. Exposure: ( )

30. Landowner(s) (and/or tenants) and Address: The Irvine Company ( )

31. Remarks: Considering the disturbance, paucity of shell, and spurious classification of the debitage, the projectile point appears out of context or may be an isolate.

32. References: Macko and Weil 1985 ( )

33. Name of Project: San Joaquin Hills Transportation Corridor. Stage 1. ( )

34. Type of Investigation: Intensive survey, pt. provenience mapping, shovel testing. ( )

35. Site Accession Number: Curated At: A.C.T ( )

36. Photos: Taken By: ( )

37 Photo Accession Number: 91 On File At: APPLIED CONSERVATION TECHNOLOGY ( )
14340 Bolsa Chica Road, Suite E
Westminster, California 92683

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

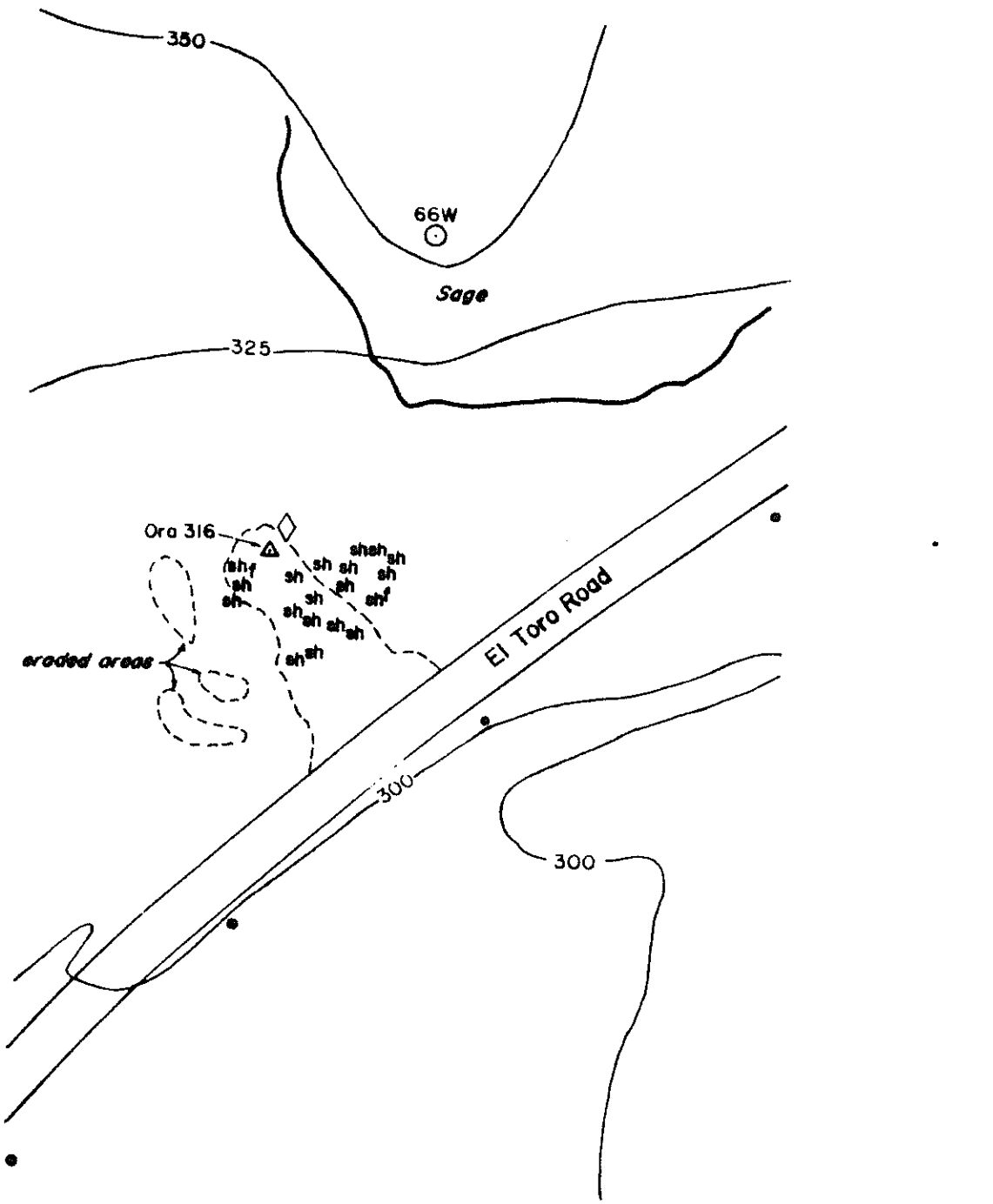
ARCHEOLOGICAL SITE MAP

Page 3 of 4

Permanent Trinomial: CA-Ora-1081 / April 1985 (mo. / yr.)

Temporary Number: El Torito

Agency Designation:



State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

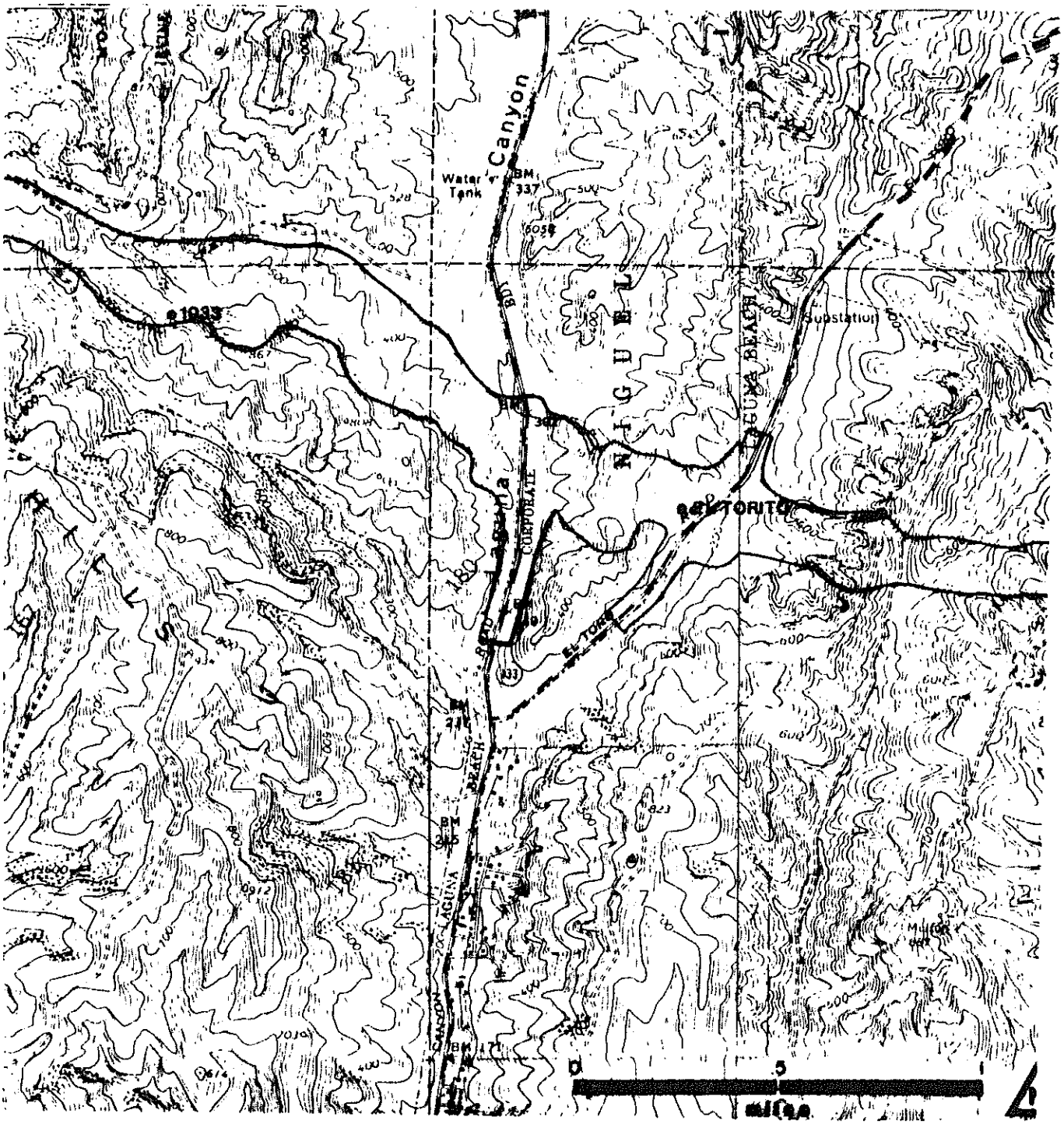
ARCHEOLOGICAL SITE LOCATION MAP

Page 4 of 4.

Permanent Trinomial: CA-Ora-1081 / April 1985
mo. yr.

Temporary Number: El Torito

Agency Designation



Permanent Trinomial: CA-Ora-1081
Other Designations: El Torito
Update: XX

ARCHEOLOGICAL SITE RECORD

1. County: Orange.

2. USGS Quad: Laguna Beach (7.5′) 1965 (15′) ___ Photorevised 1981.

3. UTM Coordinates: Zone 11 430213 m Easting 3716810 m Northing (__).

4. Township 7S Range 8W:SE ¼ of NE ¼ of NW ¼ of SE ¼ of Section 180
Base Meridian SBR (__).

5. Map Coordinates: 160 mmS 478 mmE (From NW corner of map) (__).

6. Elevation: 310 feet (__).

7. Location: 20 meters west of El Toro Road in large fan approximately 0.75 miles north of the junction of El Toro and Laguna Canyon Roads (__).

8. Prehistoric XX Historic ___ Protohistoric ___ (__).

9. Site Description: Very low density shell and chipped stone scatter (__).

10. Area 30 m(NS) x 30 m(EW) 705 m^2
Method of Determination: Compass and pacing (__).

11. Depth: surface cm. Method of Determination: shovel probes (__).

12. Features: None noted (__).

13. Artifacts: Metavolcanic debitage, large Monterey chert lanceolate projectile point (__).

14. Non-Artifactual Constituents and Faunal Remains: 19 heavily calcined shell fragments, primarily Pecten (__).

15. Date Recorded: March 19, 1991: update (__).

16. Recorded By: P. de Barros; previously recorded by M. Macko (__).

17. Affiliation and Address: Chambers Group, Inc. 1761-A East Garry Avenue, Santa Ana, California 92705 (__).

See Continuation Sheet (X)

Permanent Trinomial: CA-Ora-1081
Other Designations: El Torito
Date: March 19, 1991

ARCHEOLOGICAL SITE RECORD

18. Human Remains: None noted (__).

19. Site Disturbances: Grading and grazing evident. Gravel road shown on USGS as unimproved dirt road, bisects site. Moderately steep slope suggest considerable movement from slope wash. Site has been destroyed (__).

20. Nearest Water (Type, distance and direction): Intermittent stream 30 cm south-southwest (__).

21. Vegetation Community (site vicinity): Introduced grasses, riparian, sagescrub (__).

22. Vegetation (on site): Introduced grasses (__).

23. Site Soil: Sandy loam (__).

24. Surrounding Soil: (__).

25. Geology: Recent alluvium (__).

26. Landform: Alluvial fan (__).

27. Slope: (__).

28. Exposure: Southeast (__).

29. Landowner(s) (and/or tenants) and Address: The Irvine Company (__).

30. Remarks: Considering the disturbance, paucity of shell, and spurious classification of the debitage, the projectile point appears out of context, or may be an isolate (__).

31. References: Final Test Investigation Report and Request for Determination of Eligibility for 23 Sites Along the San Joaquin Hills Transportation Corridor, Volume I, prepared for the Transportation Corridor Agencies by Chambers Group, Inc., June, 1990; previously filed site record (__).

32. Name of Project: San Joaquin Hills Transportation Corridor (__).

33. Type of Investigation: Testing Phase (__).

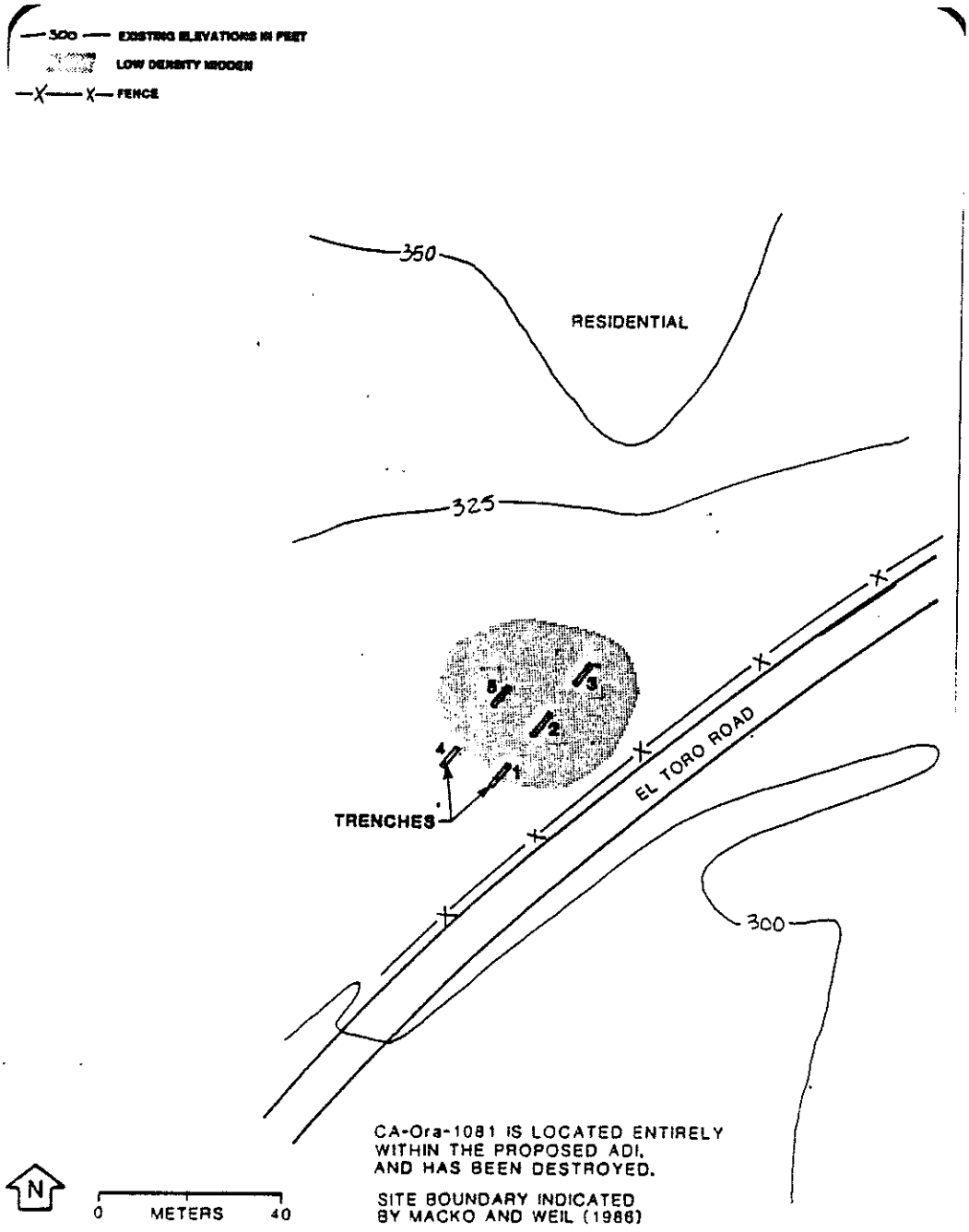
34. Site Accession Number:
Curated At: Museum of Natural History and Science, 150 Columbia Street, Aliso Viejo, California 92656 (__).

35. Photos: On file with Chambers Group, Inc (__).

See Continuation Sheet (X)

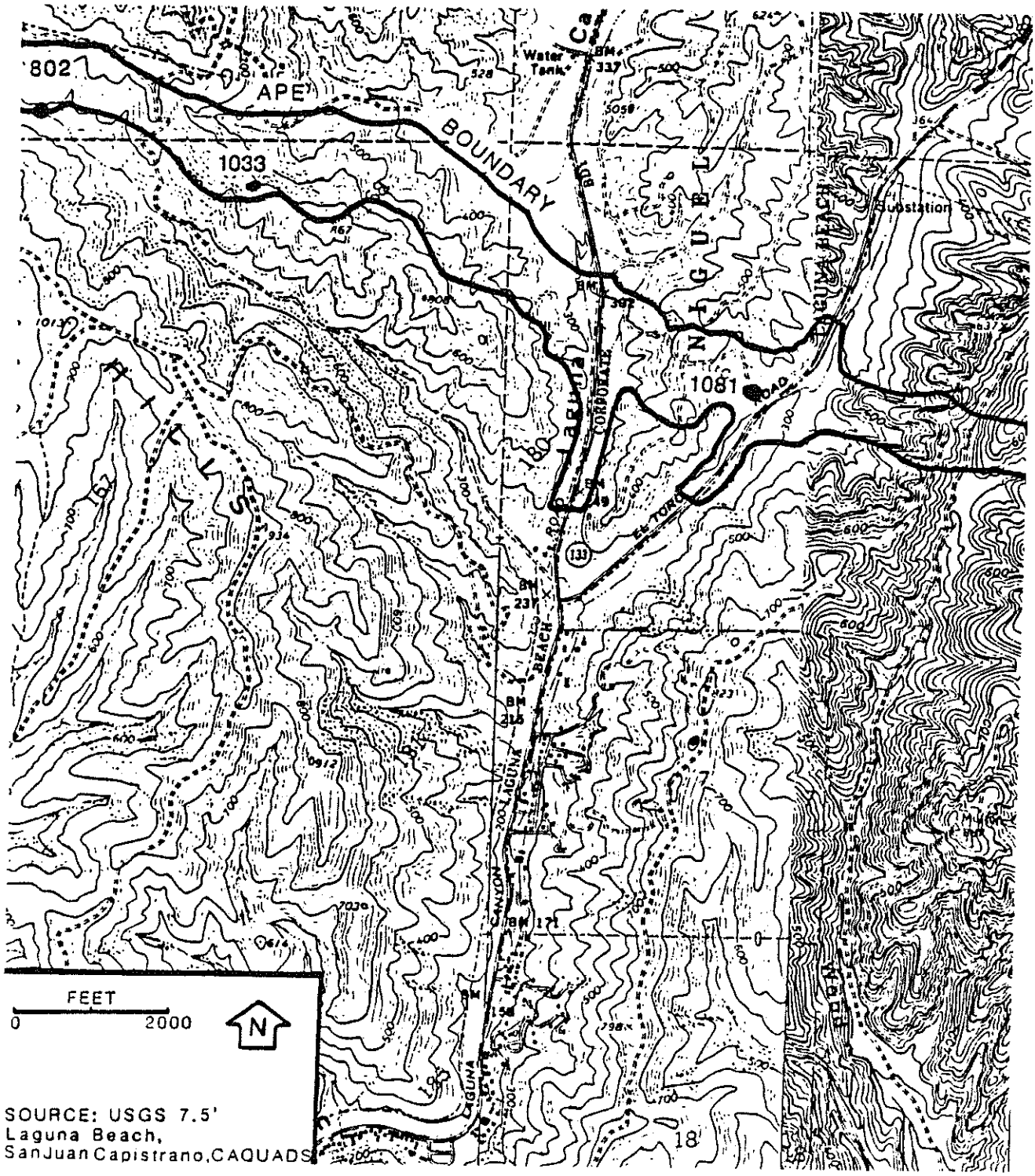
Permanent Trinomial: CA-Ora-1081
Other Designations: El Torito
Date: March 19, 1991

ARCHEOLOGICAL SITE MAP



Permanent Trinomial: CA-Ora-1081
Other Designations: El Torito
Date: March 19, 1991

ARCHEOLOGICAL SITE LOCATION MAP



Permanent Trinomial: _____ Supplement (__)
Other Designations: SJH-6

ARCHAEOLOGICAL SITE RECORD

1. **County:** Orange.

2. **USGS Quad:** Laguna Beach **(7.5')** 1965 **(15')** **Photorevised** 1981

3. **UTM Coordinates: Zone** 10 430215 **m E** 3716920 **m N**

4. **Township** 7S **Range** 8W . NE **1/4 of** NE **1/4 of** NW **1/4 of** SE **1/4** of Section 180, **Base Mer.** SBBM , Survey of the Irvine Ranch.

5. **Map Coordinates:** 155 **mmS** 475 **mmE (From NW corner of map)**

6. **Elevation:** 360 feet (110 meters)

7. **Location:** The site is situated in an intermittent drainage under 2 to 7 meters of colluvial deposition approximately 150 meters northwest of El Toro Road and approximately 1,220 meters northeast of the intersection of El Toro Road with Laguna Canyon Road. The site is located roughly halfway between the previous locations of CA-ORA-1081 and CA-ORA-316 (both now destroyed).

8. **Prehistoric** X **Historic** __ **Protohistoric** __

9. **Site Description:** The site consists of several aggregations of non-thermally altered rock containing bone and shell debris, possibly the result of colluvial re-deposition.

10. **Area** 17 **m (NS) x** 50 **m(EW)** 790 **m^2**

    Method of Determination: Theodolite and computer mapping program.

11. **Depth:** 30 **cm. Method of Determination:** Excavation units.

12. **Features:** Eight concentrations of cobbles, 1 containing bone, and 3 containing shell debris.

13. **Artifacts:** 1 Olivella bead, 14 pieces of debitage

14. **Non-Artifactual Constituents and Faunal Remains:** Animal bone fragments and Mytilus shell hinges.

15. **Date Recorded:** April 2, 1995.

16. **Recorded By:** Roger Mason

17. **Affiliation and Address:** Chambers Group, Inc., 16700 Aston Street, P.O. Box 57002, Irvine, CA 92619-7002

See Continuation Sheet (__)

Permanent Trinomial: _____ 4 95
Mo. Yr.
Other Designations: SJH-6

ARCHAEOLOGICAL SITE RECORD

18. **Human Remains:** Fragments determined to be from 1 individual.

19. **Site Disturbances:** Site was discovered during construction grading. Site area uncovered and initially disturbed by a bulldozer.

20. **Nearest Water (Type, distance and direction):** Intermittent stream adjacent to El Toro Road, 150 meters, southeast.

21. **Vegetation Community (site vicinity):** Coastal sage scrub.

22. **Vegetation (on site):** None. Site was buried.

23. **Site Soil:** Mostly an unconsolidated brown (10YR 5/3 dry, 10YR 4/3 wet) sandy silt above a yellowish brown (10YR 6/4 dry, 10YR 4/6 wet) sandy silt to silty sand overlaying sandstone bedrock.

24. **Surrounding Soil:** Same.

25. **Geology:** Deep alluvium/colluvium deposits above sandstone bedrock.

26. **Landform:** Drainage.

27. **Slope:** 9 percent.

28. **Exposure:** Buried under colluvial deposits.

29. **Landowner(s) (and/or tenants) and Address:** Transportation Corridor Agencies.

30. **Remarks:** The site was released for grading on April 4, 1995. All work was conducted following the Treatment Plan for the San Joaquin Hills Transportation Corridor (SJHTC) approved by Caltrans, SHPO, and ACHP. Site may represent redeposited material from CA-ORA-316, a rockshelter previously graded.

31. **References:**

32. **Name of Project:** San Joaquin Hills Transportation Corridor (SJHTC).

33. **Type of Investigation:** Construction monitoring for the SJHTC.

34. **Site Accession Number:** N/A **Curated At:** N/A

35. **Photos:** On file at Chambers Group, Inc.

See Continuation Sheet (_)

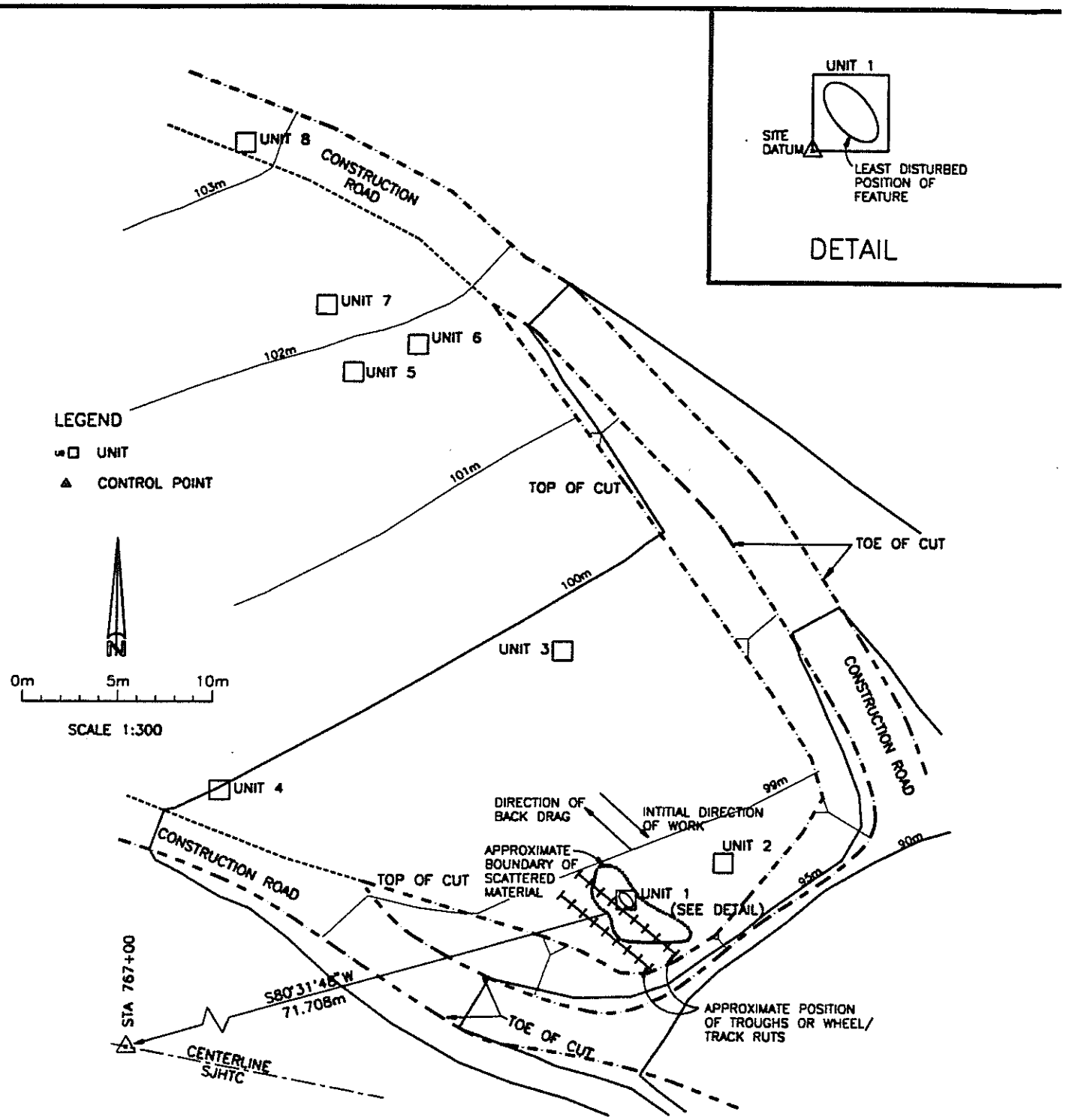
State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL SITE MAP

Permanent Trinomial: CA-ORA-1436

5 | 95
Mo. Yr.

Other Designations: SJH-6



SJH6SR.DWG

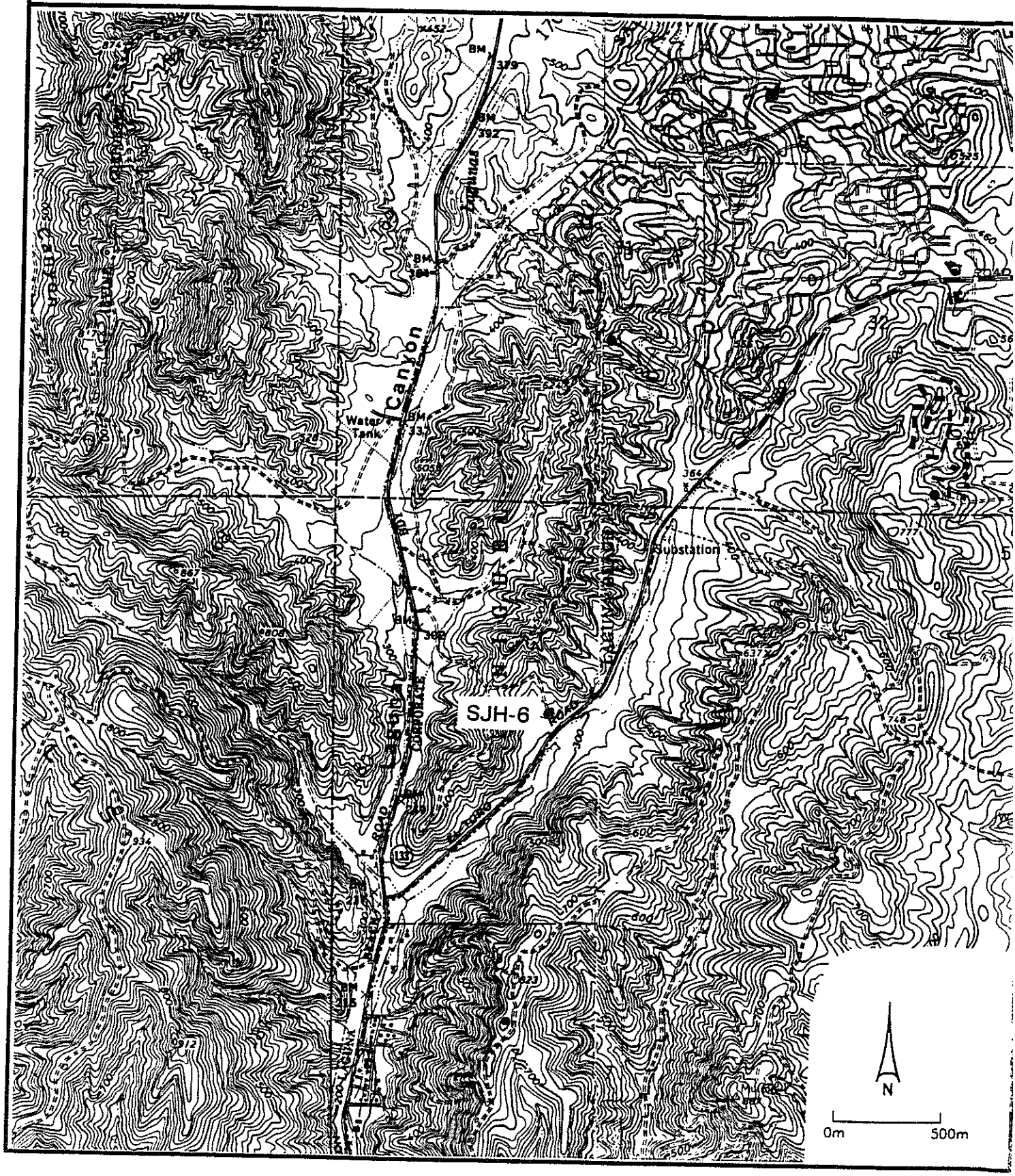
State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL SITE
LOCATION MAP

Permanent Trinomial: CA-ORA-1436

5 | 95
Mo. Yr.

Other Designations: SJH-6



State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

CONTINUATION SHEET

Primary # 30-001085
HRI#
Trinomial CA-ORA-1085

Page 1 of 1 *Resource Name or # (Assigned by recorder)

*Recorded by: P. Fulton *Date: 12/22/2008 ☐ Continuation ☒ Update

Site 30-001085 is plotted extending from the State Route 73 (SR-73) southbound on-ramp from Bonita Canyon Road south for approximately 300 feet. The site has been destroyed within the Caltrans right-of-way by construction of the on-ramp and adjacent roadway features, including storm water Basin 1075L. Portions of the site may still be extant beyond the Caltrans right-of-way.

Overview of the plotted site area from the shoulder of southbound SR-73. View to the south.

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL SITE RECORD

Permanent Trinomial: CA-Ora-1085 Supplement ☐

Temporary Number: 226A

Page 1 of 7 .

Agency Designation: MAPPED

1. County: Orange

2. USGS Quad: Tustin, CA (7.5') 1965 (15') _____ Photorevised 1972

3. UTM Coordinates: Zone 11 / 422293 Easting / 3721151 Northing ( )

4. Township 6S Range 9W ; SE ¼ of NW ¼ of NW ¼ of NE ¼ of Section 98 Base (Mer.) SBR ( )

5. Map Coordinates: 553 mmS 143 mmE (from NW corner of map) 6. Elevation 190'

7. Location: On east bank of Coyote Canyon Ck, 200' east of Coyote Canyon Rd and 1000' south of Bonita Canyon Rd. Culvert which drains Coyote Ck. under Coyote Canyon Rd is 150' SSW of site datum. ( )

8. Prehistoric X Historic _____ Protohistoric _____ 9. Site Description: Small elongate shell midden on creek terrace. Surface Sampling results indicate a low to moderate density shell midden with little diversity. ( )

10. Area: 85 m(length)x 20 m(width) _____ m^2. Method of Determination: Compass and Pacing ( )

11. Depth: 60 cm Method of Determination: 20cm dia posthole excavated in 10cm levels

12. Features: none ( )

13. Artifacts: none noted ( )

14. Non-Artifactual Constituents: Low to moderate density shell midden including Ostrea (43.2%), Pecten (24.7%), Chione (22.2%), Mytilus (7.4%), and Misc. shell (2.5%) (X)

15. Date Recorded: 3-20-85 16. Recorded By: M. Macko et al ( )

17. Affiliation and Address: APPLIED CONSERVATION TECHNOLOGY, INC.
14340 Bolsa Chica Road, Suite E
Westminster, California 92683 ( )

DPR 422A (Rev. 8/82)

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL SITE RECORD

Permanent Trinomial: CA-Ora-1085 / April (mo.) 1985 (yr.)

Temporary Number: 226 A

Agency Designation:

18. Human Remains: none noted ( )

19. Site Integrity: Poor. Coyote Creek has eroded banks with midden, although the diversion of the drainage to the south has abated the erosion. Cattle grazing is current and has been major landuse in area for 100 years. ( )

20. Nearest Water (type, distance and direction): intermittent Coyote Canyon Creek adjacent on west. ( )

21. Largest Body of Water within 1 km (type, distance and direction): Bonita Creek, perennial, 1000' north ( )

22. Vegetation Community (site vicinity): Riparian and coastal sagebrush (Plant List ( )) ( )

23. Vegetation Community (on site): Riparian and seasonal grasses, willows (Plant List ( )) ( )

References for above: ( )

24. Site Soil: Dk grey, brn silty loam ( ) 25. Surrounding Soil: lt. brn clayey loam ( )

26. Geology: Older alluvium ( ) 27. Landform: valley bottom/creek terrace ( )

28. Slope: 0-2% ( ) 29. Exposure: ( )

30. Landowner(s) (and/or tenants) and Address: The Irvine Company ( )

31. Remarks: This site is a locus of a site complex located along Coyote Creek at its confluence with Bonita Ck. Surface sampling indicates it is a discrete lows and (X)

32. References: Cottrell (1977), Weil (1981); Macko and Weil (1985) ( )

33. Name of Project: San Joaquin Hills Transportation Corridor, Stage 1 ( )

34. Type of Investigation: Intensive survey/stratified random surface sampling with ten 2m (X)

35. Site Accession Number: Curated At: ( )

36. Photos: Roll 91-3; exp 35
91-2; C/S exp 29 Taken By: M. Macko, B. Helman ( )

37. Photo Accession Number: 91 On File At: APPLIED CONSERVATION TECHNOLOGY ( )
14340 Bolsa Chica Road, Suite E
Westminster, California 92683

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL SITE RECORD
Continuation Sheet

Page 3 of 7.

Permanent Trinomial: CA-Ora-1085 / April 1985 (mo. / yr.)

Temporary Number: 226-A

Agency Designation:

Item No.

Continuation

13,14

SITE NAME OR TRINOMIAL	UNIT TYPE	UNIT NO	QUANTITY	MATERIAL	CLASS	OBJECT 1	OBJECT 2	MODIFICATION 1	MODIFICATION 2	MODIFICATION 3
CA-Ora-226 A	2M DIA SURF SAMP	1	2	MISC. SHELL	SHELL				FRAGMENT < 50%	
CA-Ora-226 A	2M DIA SURF SAMP	1N	1	OSTREA SP	SHELL				FRAGMENT > 50%	
CA-Ora-226 A	2M DIA SURF SAMP	27	0	NO CULTURAL MATERIAL						
CA-Ora-226 A	2M DIA SURF SAMP	2N	0	NO CULTURAL MATERIAL						
CA-Ora-226 A	2M DIA SURF SAMP	3a	1a	PECTEN SP	SHELL				FRAGMENT < 50%	
CA-Ora-226 A	2M DIA SURF SAMP	3a	2	PECTEN SP	SHELL				WHOLE	
CA-Ora-226 A	2M DIA SURF SAMP	3a	2	PECTEN SP	SHELL				FRAGMENT > 50%	
CA-Ora-226 A	2M DIA SURF SAMP	3a	6	MYTILUS SP	SHELL				FRAGMENT < 50%	
CA-Ora-226 A	2M DIA SURF SAMP	3a	3	CHIONE SP	SHELL				FRAGMENT > 50%	
CA-Ora-226 A	2M DIA SURF SAMP	3a	15	CHIONE SP	SHELL				FRAGMENT < 50%	
CA-Ora-226 A	2M DIA SURF SAMP	3a	33	OSTREA SP	SHELL				FRAGMENT < 50%	
CA-Ora-226 A	2M DIA SURF SAMP	37	0	NO CULTURAL MATERIAL						
CA-Ora-226 A	2M DIA SURF SAMP	45	1	OSTREA SP	SHELL				FRAGMENT < 50%	
CA-Ora-226 A	2M DIA SURF SAMP	4a	0	NO CULTURAL MATERIAL						
CA-Ora-226 A	2M DIA SURF SAMP	55	0	NO CULTURAL MATERIAL						
CA-Ora-226 A	2M DIA SURF SAMP	5a	0	NO CULTURAL MATERIAL						

31 not a part of CA-Ora-226, though it may be associated with it, as well as CA-Ora 221, 222, 227, and 225.

34 diameter units and stratified posthole sampling of four of the surface units.

State of California The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

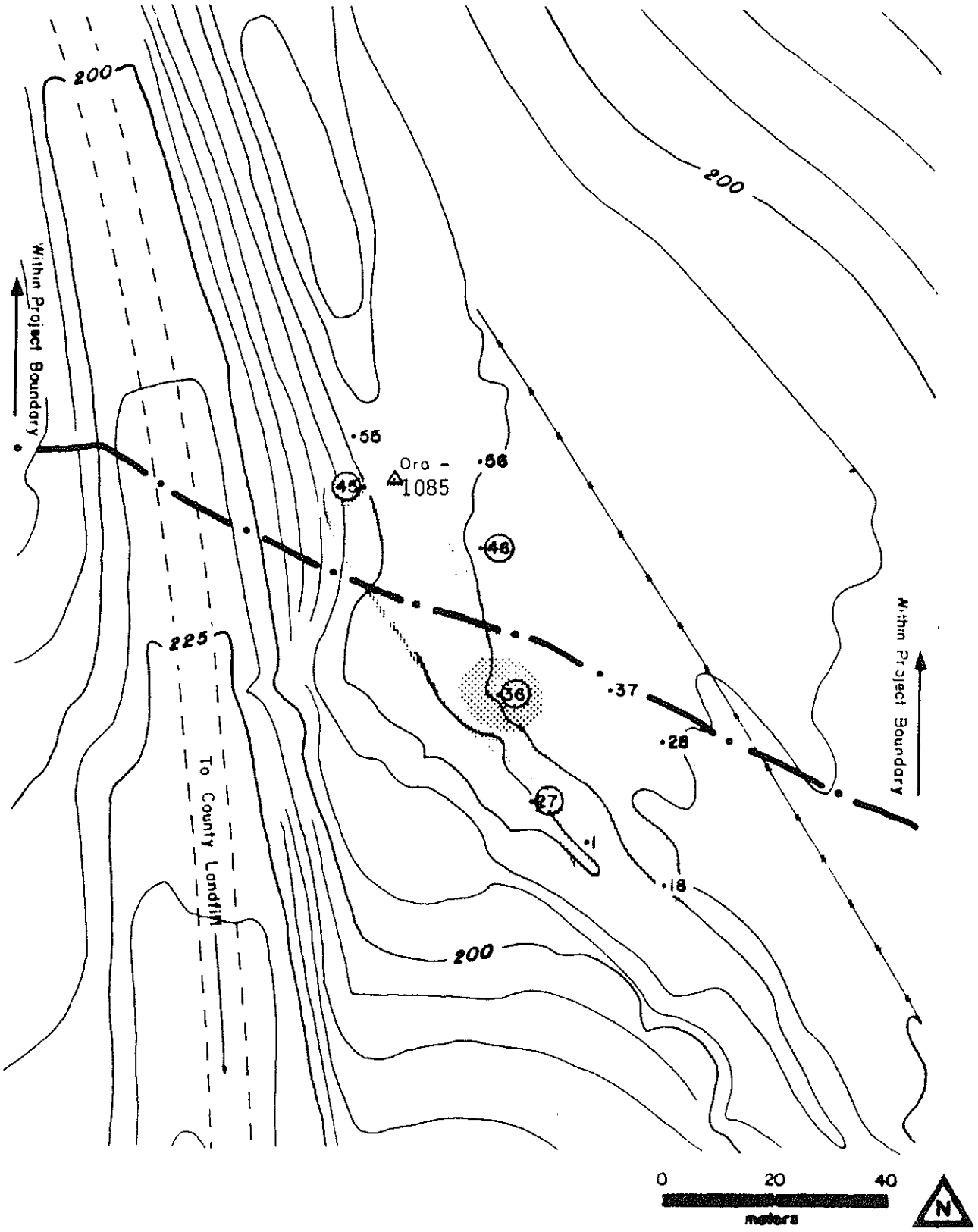
ARCHEOLOGICAL SITE MAP

Page 4 of 7 .

Permanent Trinomial: CA-Ora-1085 / April 1985
mo. yr.

Temporary Number: 226A

Agency Designation:



State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

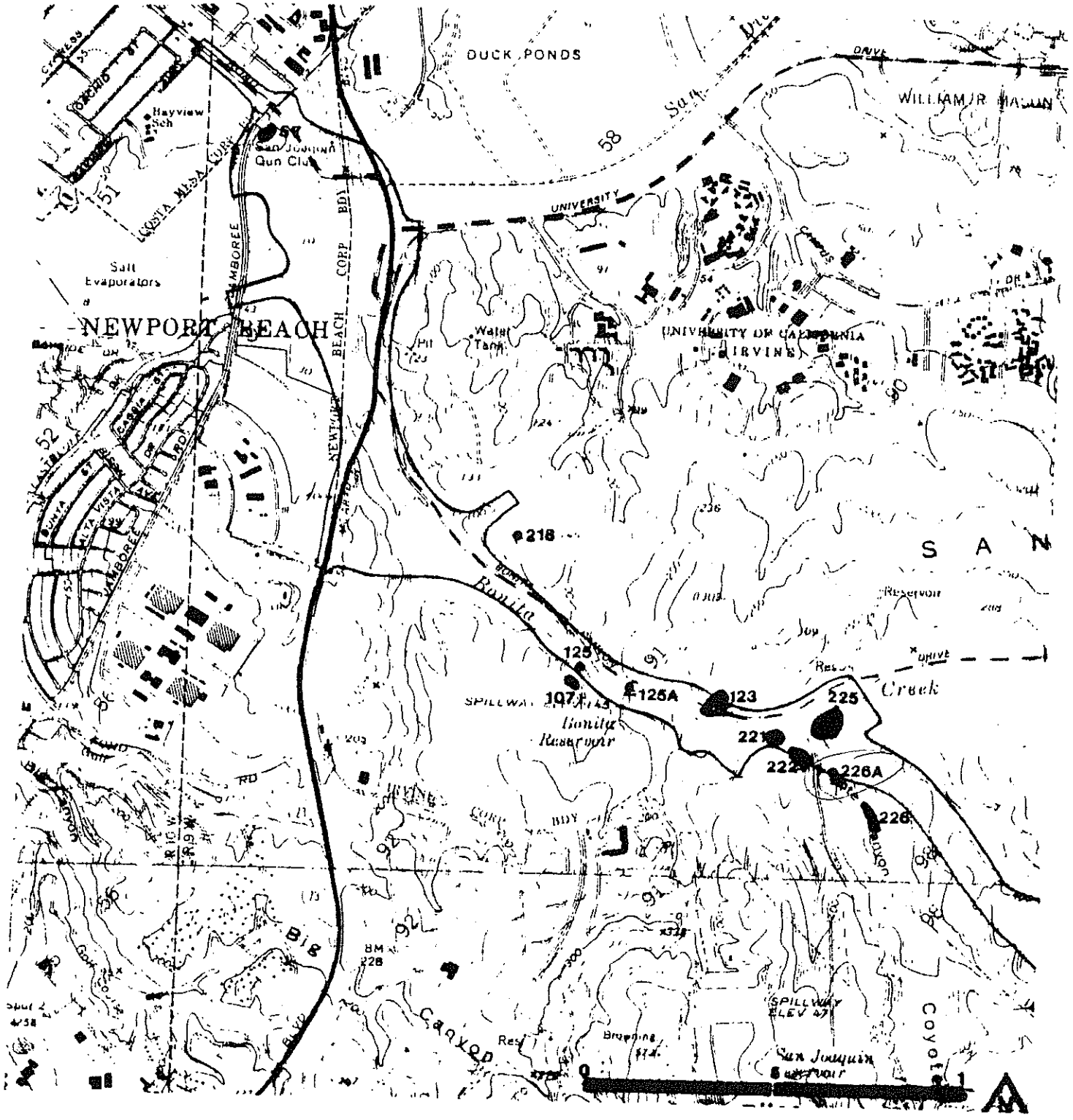
ARCHEOLOGICAL SITE LOCATION MAP

Page 5 of 7

Permanent Trinomial: CA-Ora-1085 / April 1985 (mo. / yr.)

Temporary Number: 226A

Agency Designation:



State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL PHOTOGRAPHIC RECORD

Page 6 of 7.

Permanent Trinomial: Various / April 1985 (mo. / yr.)

Temporary Number:

Agency Designation: San Joaquin Hills Trans. Corridor

Camera and Lens Type	Film Type and Speed	Year
Nikormatt FT-2 35mm	Plus X, ASA-125, B/W Roll 91-3	1985

Roll	Exp	Time	Exp./Frame	Subject/Description	View Tow.	Accession Number
04	01		2	Rockshelter 5 interior wall		
04	01		3	Rockshelter 6		
04	01		4	Rockshelter 5&6		
04	01		5	Rockshelter 5&6		
04	01		6	Rockshelter 5		
04	01		7	Rockshelter 6		
04	01		8	View from rockshelter 5 to Signal Peak		
04	01		9	S.U. 3		
04	01		10	Rockshelter 6		
04	01		11	Petroglyph at rockshelter 3		
04	01		12	Ora 930 Basin metate frag		
04	01		13	" " "		
04	01		14	Ora 930 2 Manos (1 fragged)		
04	01		15	" " "		
	01		16	Ora 930 2 Hammerstones, 1 mano		
	01		17	" " "		
04	01		18	Ora 930 View north toward deflated area	N	
04	01		19	" " "	N	
04	01		20	Ora 930 View south toward deflated area	S	
04	01		21	Ora 389 Mano-bifacial/beveled		
04	01		22	" " "		
04	01		23	Ora 389 Burrow tailing-note shell in backdirt	N	
04	01		24	" " "	N	
04	01		25	Ora 389 Quartz core		
04	01		26	" "		
04	04		27	CA-Ora-689 View of shelter and crew	NW	
04	04		28	" " "	N	
04	04		29	" " "	N	
04	05		30	CA-Ora 125 View of shelter from hillside across Bonita Creek	SE	
04	05		31	" " "	SE	
04	05		32	CA-Ora 125 View of shelter from hilltop across Bonita Creek	SE	
04	05		33	" " "	SE	
04	05		34	CA-Ora-107 View of site from hilltop to north Bob & Jill excavation P.H.	S	
04	05		35	" " "	S	
04	05		36	CA-Ora-225 Overview from hill to east	W	
04	05		37	CA-Ora-226-A Overview from hill to east	W	

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL PHOTOGRAPHIC RECORD

Page 7 of 7.

Permanent Trinomial: Various / March/April 1985 (mo. / yr.)

Temporary Number:

Agency Designation: San Joaquin Hills Trans. Corridor

Camera and Lens Types	Film Type and Speed	Year
Pentax ME Super 50mm	Kodachrome Asa 64; C/S Roll 91-2	1985

Mo.	Day	Time	Exp./Frame	Subject/Description	View Tow.	Accession Number
03	31		2	Rockshelter 4 Shelter A entrance	n	
03	31		3	Rockshelter 4 S.U. 1 at shelter A		
03	31		4	" " " (scale =1m)		
03	31		5	Ora-125-A View of shelter, S.U. crew in front	w	
03	31		6	" " " "	e	
03	31		7	Ora-125-A Interior view of shelter	e	
03	31		8	Crew recording S.U. 3	n	
04	01		10	Basin metate frag CA-Ora 930		
04	01		11	CA-Ora 930 2 Manos		
04	01		12	CA-Ora 930 2 Hammerstong, 1 mano		
04	01		13	" " " "		
04	01		14	CA-Ora 930 View north to deflated area	n	
04	01		15	CA-Ora 930 View south to deflated area	s	
04	01		16	CA-Ora 389 Crew clearing S.U. 76	nw	
04	01		17	CA-Ora 389 Bifacially ground (beveled) mano	nw	
04	01		18	CA-Ora 389 Animal burrow tailings-note shell	n	
04	01		19	CA-Ora 389 " " " "	n	
04	01		20	Quartz core CA-Ora 389		
04	04		21	CA-Ora 689 Overview of shelter & crew	nw	
04	04		22	" " " "	nw	
04	04		23	" " " "	n	
04	04		24	" " " "	n	
04	05		25	CA-Ora 125 View of shelter from hillside across Bonita Creek	se	
04	05		26	CA-Ora 125 View of shelter from hilltod across Bonita Creek	se	
04	05		27	CA-Ora 107 View of site from hilltop to north-Bob & Jill Excavating P.H.	s	
04	05		28	" " " "	s	
04	05		29	CA-Ora 226-A Overview from hill to east	w	
04	05		30	CA-Ora 225 Overview from hill to east Ora 123 in left distance at road	w	
04	05		31	CA-Ora 225 Octagonal foundation on west side of site	s sw	
04	05		32	CA-Ora 222 Profile of creek bank 7 m west of S.U. 43 (scale is 160 cm)	e	
04	05		33	" " " "	e	
04	08		34	CA-Ora 57 View of recent grading in area of construction trailer	e	
04	08		35	CA-Ora 57 midden as slope wash below S.U. 28-B	w	

Permanent Trinomial: CA-Ora-1085
Other Designations: 226A
Update: March 19, 1991

ARCHEOLOGICAL SITE RECORD

1. County: Orange.

2. USGS Quad: Tustin (7.5') 1965 (15') ___ Photorevised 1972.

3. UTM Coordinates: Zone 11 422293 m Easting 3721151 m Northing (__).

4. Township 6S Range 9W:SE ¼ of NW ¼ of NW ¼ of NE ¼ of Section 98
Base Meridian SBR (__).

5. Map Coordinates: 553 mmS 143 mmE (From NW corner of map) (__).

6. Elevation: 190 feet (__).

7. Location: On east bank of Coyote Canyon, Creek, 200 feet east of Coyote Canyon Road and 1000 feet south of Bonita Canyon Road. Culvert which drains Coyote Creek under Coyote Canyon Road is 150 feet SSW of site datum (__).

8. Prehistoric XX Historic ___ Protohistoric ___ (__).

9. Site Description: Field camp (__).

10. Area 80 m(NS) x 10 m(EW) 630 m^2
Method of Determination: Compass and Pacing (__).

11. Depth: 40 cm. Method of Determination: 20cm diam. posthole in 10cm levels (__).

12. Features: None (__).

13. Artifacts: Occasional Flake (__).

14. Non-Artifactual Constituents and Faunal Remains: Mostly shell (mostly Chione and Ostrea); some vertebrate fauna (__).

15. Date Recorded: March 19, 1991: update (__).

16. Recorded By: P. de Barros; previously recorded by M. Macko (__).

17. Affiliation and Address: Chambers Group, Inc. 1761-A East Garry Avenue, Santa Ana, California 92705 (__).

See Continuation Sheet (X)

ARCHEOLOGICAL SITE RECORD

18. Human Remains: None noted (__).

19. Site Disturbances: Coyote Creek has eroded banks with midden, although the diversion of the drainage to the south has abated the erosion. Cattle grazing is current and has been major landuse in area for 100 years (__).

20. Nearest Water (Type, distance and direction): Intermittent Coyote Canyon Creek adjacent on west side (__).

21. Vegetation Community (site vicinity): Riparian and coastal sage brush (__).

22. Vegetation (on site): Riparian and seasonal grasses, willows (__).

23. Site Soil: Very dark brown silty clay (10YR 2/2) (__).

24. Surrounding Soil: Brown clayey loam (__).

25. Geology: Older alluvium (__).

26. Landform: Valley bottom/creek terrace (__).

27. Slope: 0-2% (__).

28. Exposure: South and west (__).

29. Landowner(s) (and/or tenants) and Address: The Irvine Company (__).

30. Remarks: This site is a locus of a site complex located along Coyote Creek at its confluence with Bonita Creek. Surface sampling indicates it is a discrete lows and not a part of CA-Ora-226, though it may be associated with it, as well as Ca-Ora 221, 222, 227 and 225. (__).

31. References: Final Test Investigation Report and Request for Determination of Eligibility for 23 Sites Along the San Joaquin Hills Transportation Corridor, Volume I, prepared for the Transportation Corridor Agencies by Chambers Group, Inc., June, 1990; previously filed site record (__).

32. Name of Project: San Joaquin Hills Transportation Corridor (__).

33. Type of Investigation: Testing Phase (__).

34. Site Accession Number:
Curated At: Museum of Natural History and Science, 150 Columbia Street, Aliso Viejo, California 92656 (__).

35. Photos: On file with Chambers Group, Inc. (__).

See Continuation Sheet (X)

Permanent Trinomial: CA-Ora-1085
Other Designations: 226A
Date: March 19, 1991

ARCHEOLOGICAL SITE MAP

No Site Map, Site Destroyed

Permanent Trinomial: CA-Ora-1085
Other Designations: 226A
Date: March 19, 1991

ARCHEOLOGICAL SITE LOCATION MAP

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

CONTINUATION SHEET

Primary # 30-001120
HRI#
Trinomial CA-ORA-1120

Page 1 of 1 *Resource Name or # (Assigned by recorder)

*Recorded by: P. Fulton *Date: 12/22/2008 ☐ Continuation ☒ Update

Site 30-001120 is plotted extending from the State Route 73 (SR-73) southbound lanes on the northeast to approximately 200 feet south of Bison Road on the south, and 500 feet west of SR-73 on the west. The site has been completely destroyed within the SR-73 and Bison Avenue right-of-ways by construction of SR-73 and its related features and the construction of Bison Avenue. Small portions of the site may be extant north and south of Bison Avenue, west of the Caltrans right-of-way.

Overview of the plotted site area from the northbound SR-73 on-ramp from Bison Avenue. View to the west.

MACKO
ARCHAEOLOGICAL
CONSULTING

Permanent Trinomial: CA-Ora-1120
Supplement_____
Other Designations: MAC-2

Archaeological Site Record

1. **County:** Orange

2. **USGS Quad:** Tustin, CA (7.5') 1965 **Photorevised:** 1972

3. **UTM Coordinates--Zone:** 11;
   N corner: 420454m **Easting** 3722287m **Northing**
   W corner: 420445m **Easting** 3722160m **Northing**
   S corner: 420530m **Easting** 3722072m **Northing**
   E corner: 420629m **Easting** 3722167m **Northing**

4. **Township** 6S **Range** 9W; NW **1/4 of** SE **1/4 of** SW **1/4 of** Sec 91 **Base Mer.** Irvine Company Private Survey

5. **Map Coordinates** 515 **mmS** 72**mmE** **6. Elev.** 56

7. **Location:** This large site is located in the middle of the broad floodplain of Bonita Creek on the south side of Bonita Canyon Road and Bonita Creek. A small rechanneled drainage originating on Bonita Mesa to the south confluences with Bonita Creek at the E corner of the site. The floodplain is partially cultivated to grow Xmas trees at the W extent of the site. Access is obtained from a road with locked gate intersecting Bonita Canyon Road at a distance of approx. 0.25 mile S along Bonita Canyon Road from its intersection with MacArthur Blvd. (Highway 73), Newport Beach.

8. **Prehistoric** X **Historic**____**Protohistoric**____ **9. Site Description:** Shell fragments are visible across the entire western half of the Bonita Creek Floodplain at the proposed Bison Avenue Interchange. Shell fragments were noted across an area of approximately 800 feet by 600 feet. The greatest concentration of shell remains and artifacts noted, however, occurs within an area of approximately 250 feet by 200 feet at the confluence of Bonita Creek with a small, rechanneled creek which drains Bonita Mesa. The shell remains are highly fragmented at the surface, which is to be expected, giving the central core area the appearance of a very high density shell midden. Because several studies have shown that sites along the Bonita Creek/Coyote Creek floodplains contain buried portions due to very rapid deposition of alluvium during floods in the area, particularly close examination was made of the creek bank. The creek bank is primarily artificial in this area, being partly composed of a six-foot high earth berm along the creek to prevent floodwaters from entering the cultivated fields.

10. **Area:** 60m (N-S) X 75m (E-W) =3500m^2; **How Determined:** Planimeter

11. **Depth:** 50-100cm; **How Determined:** Examination of creek bank

12. **Features:** At the base of the earth berm, along the creek bank and at the contact of original surface with the berm, appears to be a intact feature of a cluster of stream rolled pebbles, several clearly altered by fire and two appearing to have been modified by grinding. This feature occurs along the creek bank immediately adjacent to the central core area of the shell midden.

13. **Artifacts:** The stone tools noted include several cores and core fragments of Monterey chert, Rhyolite, and quartz. One particularly nice specimen of a Monterey Chert single-facet platform core (often called a domed scraper in the literature) was noted.

14. **Non-Artifactual Constituents & Faunal Remains:** Shellfish remains include such common species as *Argopecten sp., Chione sp., Polonices, Ostrea lurida, Mytilus californianus, and Haliotis sp.*

15. **Date Recorded:** 31 Jan 1988 16. **Recorded By:** Michael E. Macko

17. **Affiliation and Address:** Macko Archaeological Consulting 7685 Clay Avenue, Huntington Beach, California 92648, (714) 841-4537.

18. **Human Remains:** none noted, but they are surely possible if this site is similar to Ora107, located a short distance SE along Bonita Creeek, from which WPA excavated 25 burials in the 1930s.

19. **Site Disturbances:** Agricultural activity has been altering the surface distribution of remains along the floodplain at this site longer than any other in Bonita Canyon since the fields have been in cultivation here longer than any other section along Bonita Canyon. As a result, it is clear that the evident horizontal distribution is misleading, and that the original site extent is likely more accurately represented by the limits of the core area. The construction of an earth berm likely had some impact on displacing midden soils and possibly features, but it is unclear whether the berm was made of introduced fill material, site soil, or a combination of both.

20. **Nearest Water:** Confluence of Bonita Creek (Perennial) and Coyote Creek (intermittent) is 500ft (150m) southeast.

21. **Vegetation Site Vicinity:** The floodplain has been cultivated continuously in the recent past; now the majority lay fallow. The surrounding Bonita Mesa consists of broad mixed coastal sage scrub/grasslands used for many years for livestock grazing. Bonita creek adjacent on the north supports a limited riparian community which does not develop much due to channelization/flood control.

22. **Vegetation On-Site:** No vegetation was onsite at the time of survey. The W extent is currently cultivated to Xmas trees.

23. **Site Soil:** loose, dark greybrown sandy loam

24. **Surrounding Soil:** brown sandy loam

25. **Geology:** Recent alluvium 26. **Landform:** Floodplain.

27. **Slope:** 015% **Exposure:** Floodplain slopes to north, partially sheltered by Bonita Mesa on south.

29. **Landowner Name & Address:** The Irvine Co[illegible]

30. **Remarks:** It likely that additional intact features and a more diverse assemblage would be recovered with excavation of the site. A number of questions can be raised regarding the site location in relation to the former extent and productivity of the Newport Back Bay, and the relation between this site and the other habitation sites located such short distances to the east and west, particularly CA-Ora-107.

31. **References:** Macko (1988) Supplement to Archaeological Survey Report, Results of Cultural Resources Stage I Investigations for the San Joaquin Hills Transportation Corridor.

32. **Name of Project:** San Joaquin Hills Transportation Corridor.

33. **Type of Investigation:** Intensive Survey

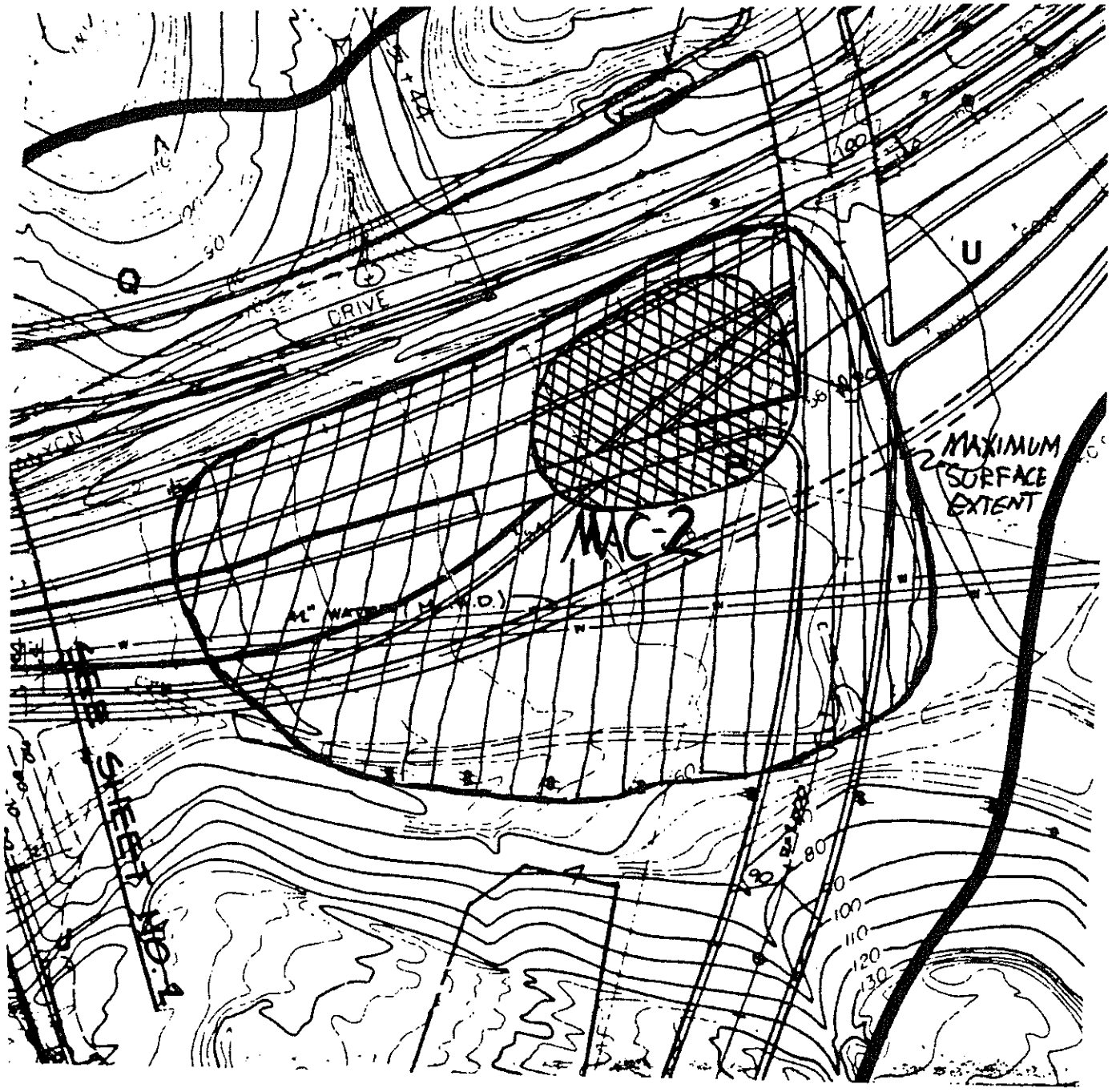
34. **Site Accession No.** **Curated At:** 35. **Photos:** None

MACKO
ARCHAEOLOGICAL
CONSULTING

Permanent Trinomial: CA-Ora-1120

Other Designations: MAC2

Archaeological Site Map

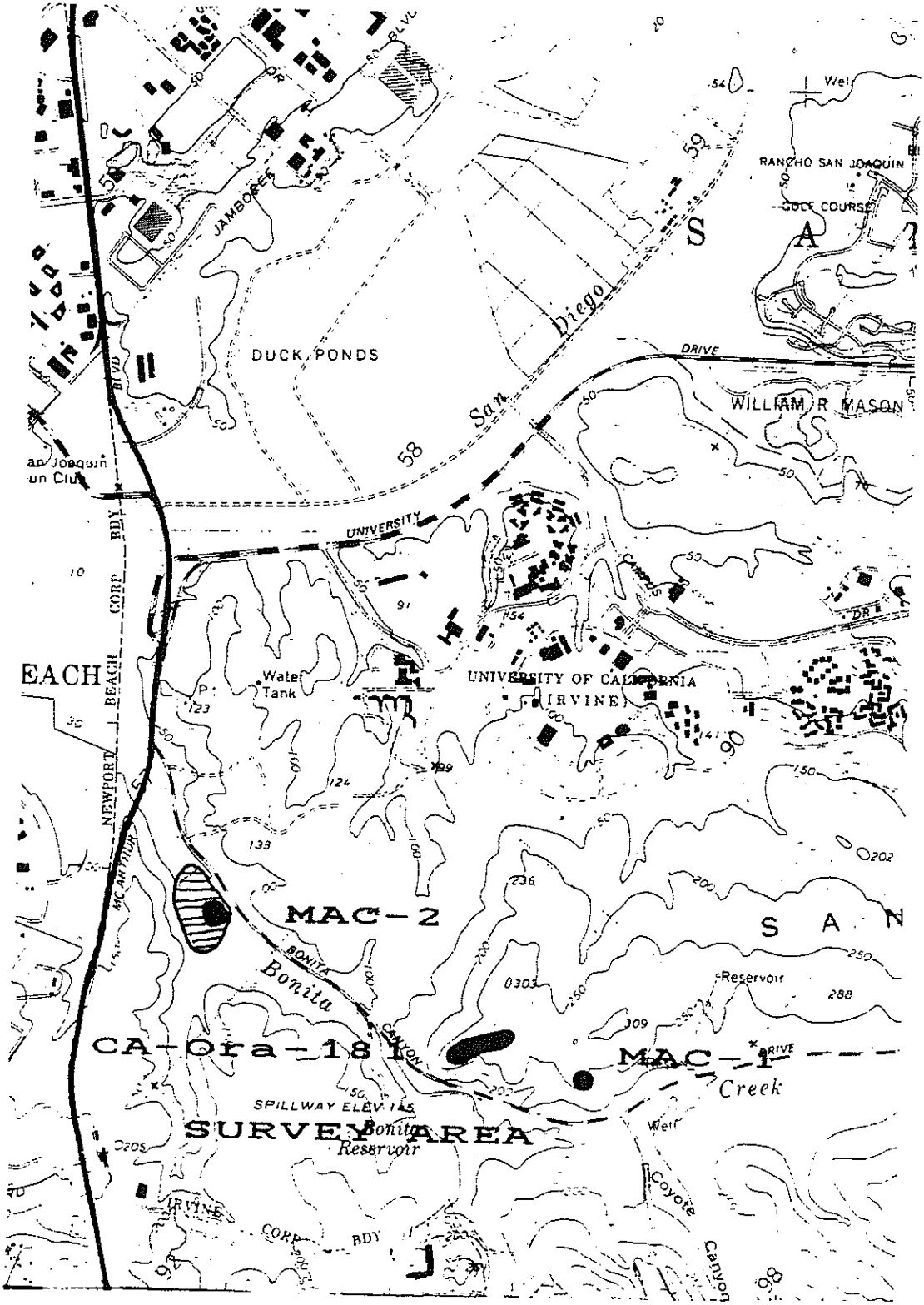


MACKO
ARCHAEOLOGICAL
CONSULTING

Permanent Trinomial: CA-Ora-1120

Other Designations: MAC-2

Archaeological Site Location Map



USGS Tustin, CA (7.5')
Scale 1:24,000

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

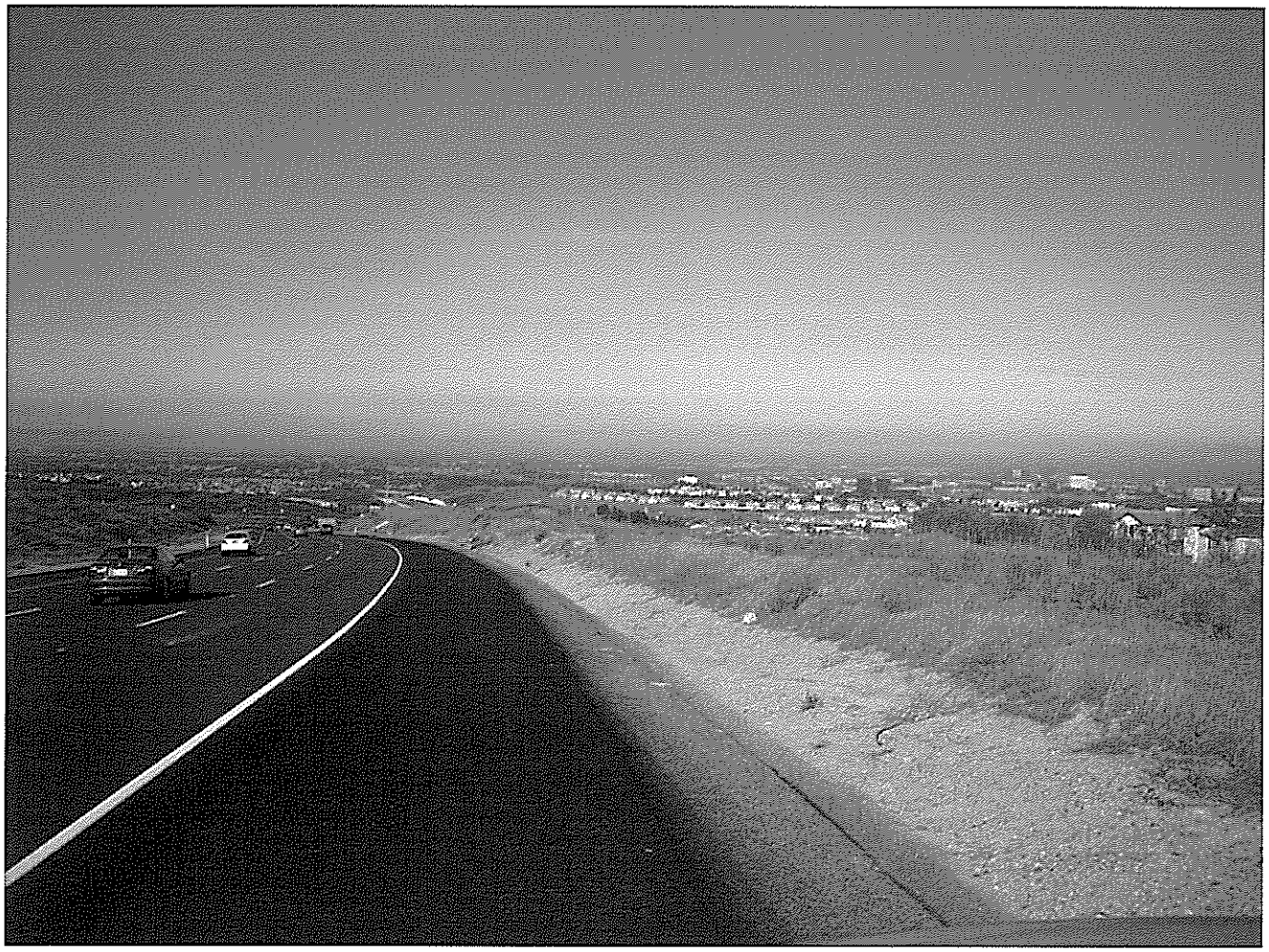
CONTINUATION SHEET

Primary # 30-001209
HRI#
Trinomial CA-ORA-1209

Page 1 of 1 *Resource Name or # (Assigned by recorder)

*Recorded by: P. Fulton *Date: 12/22/2008 ☐ Continuation ☒ Update

Site 30-001209 is plotted between northbound State Route 73 (SR-73) and the northbound SR-73 off-ramp to Newport Coast Drive. The site has been impacted by construction of SR-73 and the off-ramp. Intact portions of the site may still be present, although no cultural material was observed at the time of the survey.



Overview of the site location from the shoulder of northbound SR-73. View to the northwest.

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL SITE RECORD

Permanent Trinomial: CA-ORA-1209 Supplement ☐

Other Designations: 6104-1

1. County: Orange

2. USGS Quad: Laguna Beach (7.5') 1965 (15') _____ (Photorevised 1981)

3. UTM Coordinates: Zone 11 | 4 2 3 5 6 0 | m Easting | 3 7 2 0 4 3 0 | m Northing ( )

4. Township 6 S Range 9 W ; - ¼ of SW ¼ of SE ¼ of SE ¼ of Section 98 Base Mer. SBR ( )

5. Map Coordinates: 11 mmS 197 mmE (from NW corner of map) 6. Elevation 520' ( )

7. Location: On the NE facing slope of a linear knoll. An unnamed tributary of Bonita Creek is just to the NE, the Coyote Canyon Landfill is to the west, and Bonita Canyon Drive is 4750' due north. Dirt road off of Bonita Canyon Drive gives access. ( )

8. Prehistoric X Historic _____ Protohistoric _____ 9. Site Description Disturbed/displaced artifacts on northeast side of knoll. Soil at top, presumably original location of site, is light sand. Soil on side where artifacts are found is a dark brown silt. There is a small shelf evident on side of hill, perhaps made from the knolltop being pushed over. ( )

10. Area 150 m(length) x 30 m(width) 4500 m^2.

Method of Determination: estimation of surface scatter ( )

11. Depth: unknown cm Method of Determination: -- ( )

12. Features: none observed ( )

13. Artifacts: 5 hammerstones, 1 flake, 3 metate fragments, 2 manos, 1 unidentified groundstone ( )

14. Non-Artifactual Constituents and Faunal Remains: none observed ( )

15. Date Recorded: 3-5-89 16. Recorded By: Vicki Mason and Bob Hellman ( )

17. Affiliation and Address: Chambers Group, Inc. 1761-A E. Garry Ave. Santa Ana, CA 92705 ( )

See Continuation Sheet (X)

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL SITE RECORD

Permanent Trinomial: ORA-1209 5 | 89 (Mo. Yr.)

Other Designations: 6104-1

18. Human Remains: none observed ( )

19. Site Disturbances: Probable total movement of site from top of knoll to eastern slope. ( )

20. Nearest Water (type, distance and direction): Tributary of Bonita Creek immediately to east, downslope ( )

21. Vegetation Community (site vicinity): Grassland including Ca. Poppy and Lupinus sp. Plant List ( )

22. Vegetation (on site): Grasses ( )

23. Site Soil: light sand at top of knoll, dark brown silt, or sandy silt, on slope ( )

24. Surrounding Soil: Except top of knoll, much of area is dark brown silt or sandy silt ( )

25. Geology: Middle and/or lower Pliocene marine with tertiary intrusives (hypabyssal), ( )

26. Landform: which includes rock types represented by the artifactual assemblage. linear knoll, steep on east side ( )

27. Slope: westerly, 100% or more ( ) 28. Exposure: open ( )

29. Landowner(s) (and/or tenants) and Address: Irvine Co. ( )

30. Remarks: Surface collection recommended. Visibility on southern half of knoll was minimal, so some testing should be done as well. ( )

31. References: Munz and Keck, "A California Flora", 1959. California Division of Mines and Geology, Geologic Map of California, Santa Ana sheet, 1965. ( )

32. Name of Project: San Joaquin Reservoir Alternatives ( )

33. Type of Investigation: Intensive, non-collecting ( )

34. Site Accession Number: _____ Curated At: _____ ( )

35. Photos: Yes (X)

See Continuation Sheet (X)

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

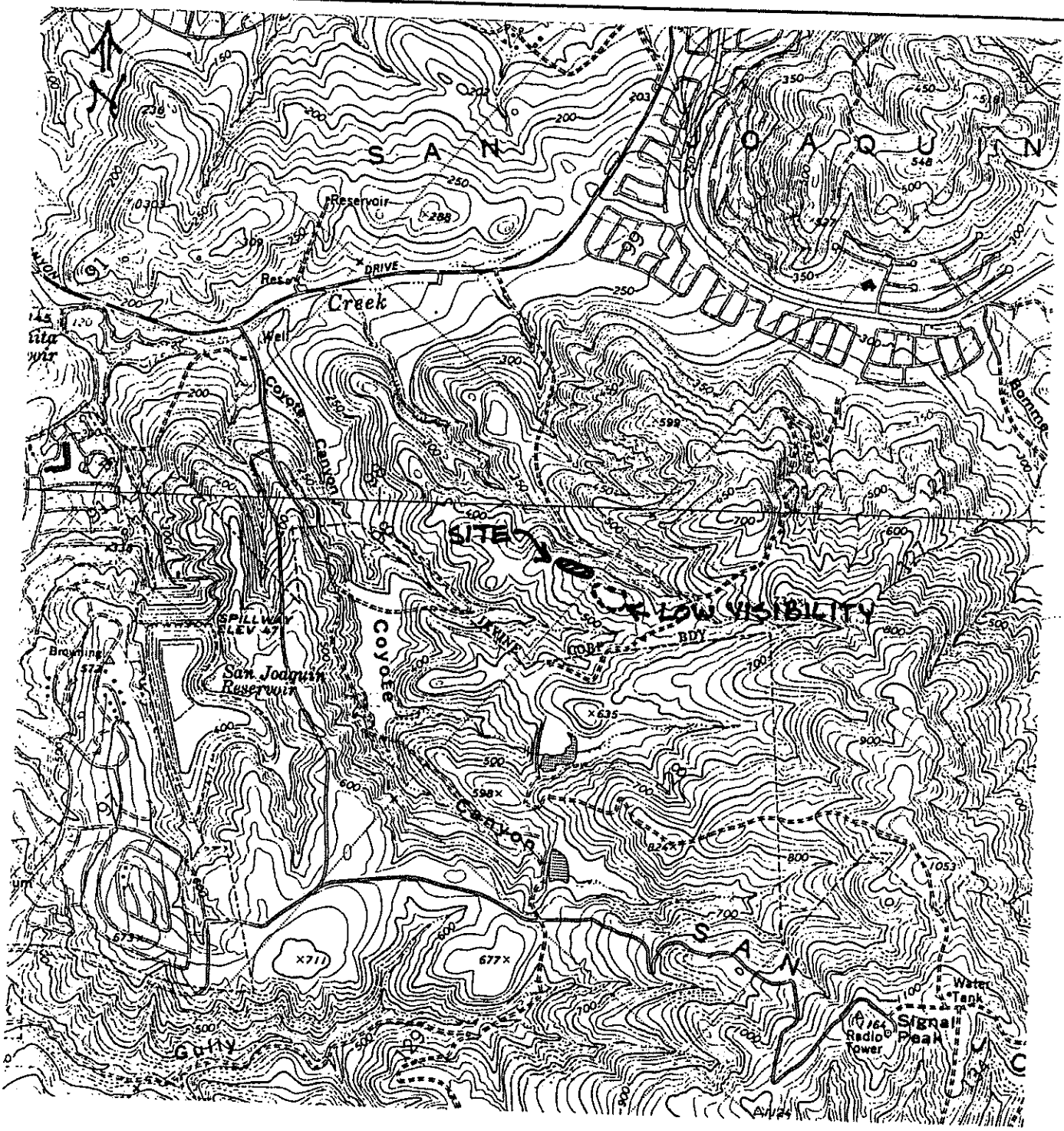
ARCHEOLOGICAL SITE LOCATION MAP

Page 3 of 4.

Permanent Trinomial: ORA-1209

Other Designations: 6104-1

5189
Mo. Yr.



USGS Laguna Beach Quad, 7.5', 1" = 2000'

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL PHOTOGRAPHIC RECORD

Page 4 of 4.

Permanent Trinomial: ORA-1209 5 / 89 (Mo. / Yr.)

Other Designations: 6104-1

Camera and Lens Types: Pentax K1000

Film Type and Speed: Plus-X pan 125

On File at: Chambers Group, Inc.
1761-A E. Garry Ave.
Santa Ana, CA 92705

Mo.	Day	Time	Exposure/ Frame	Subject/Description	View Toward	Accession Number
3	5			From north end of Alternate 6	NW	1
				" " "	NNW	2
				" " "	NE	3
				From south end of Alternate 6, SAn Joaquin Reservoir visible	WNW	4
				Alternate 6, south end to north end	N	5
				Stepp arroyo seen in aerial, from road made through center	S	6
				Cactus flower		7
				From reservoir alternate 2	SE	8
				" "	NNW	9
				" "	NW	10
				Same as #10		11
				Alternate 2 from side of knoll to Ora-618 area. Site not relocated - area of denser vegetation. Road is southern boundary.	N	12
				View from south end of water treatment plant alternative, showing steepness of hill and Bonita Creek tributary below.	S	13
				View of valley	NNE	14
				Hammerstone at 6104-1		15
				Metate fragment at 6104-1		16
				On slope where artifacts are, 6104-1		17
				Light soil at knoll-top, above artifacts		18
				Bob Helman downslope at artifact location, 6104-1		19

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

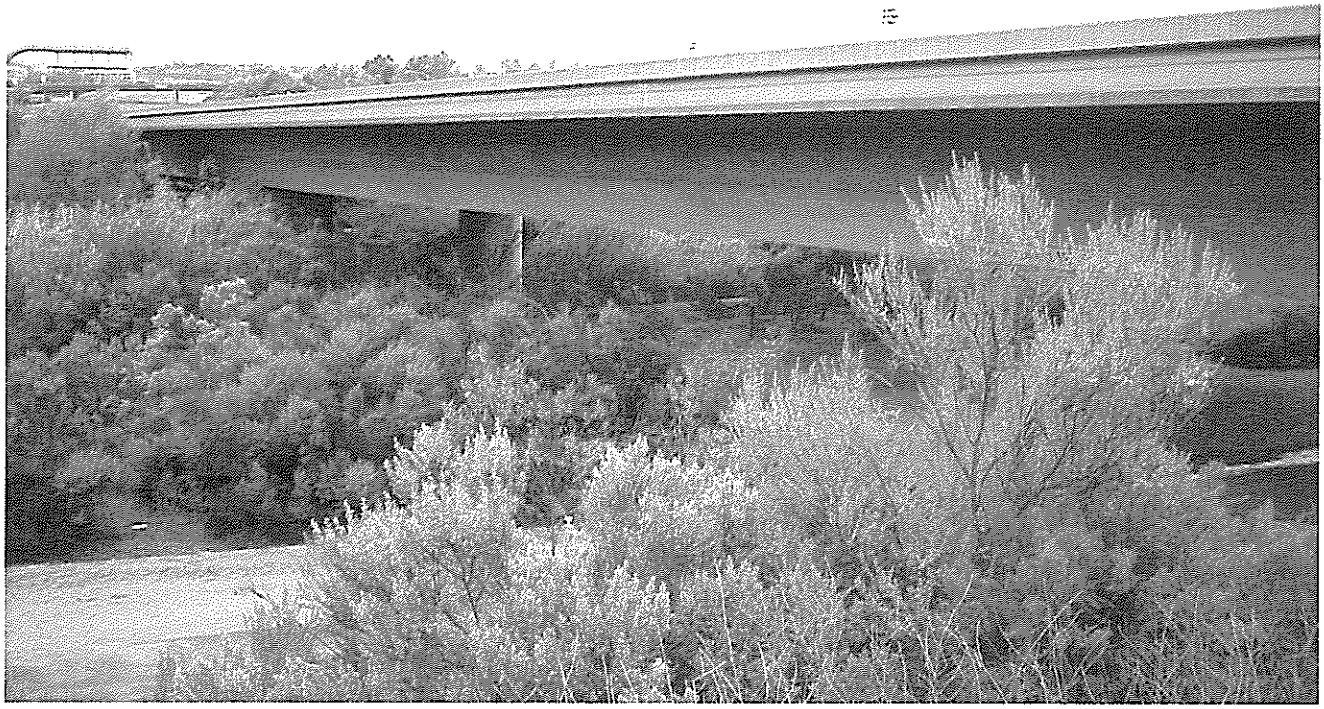
CONTINUATION SHEET

Primary # 30-001357
HRI#
Trinomial CA-ORA-1357

Page 1 of 1 *Resource Name or # (Assigned by recorder)

*Recorded by: P. Fulton *Date: 12/22/2008 ☐ Continuation ☒ Update

Site 30-001357 is plotted along the eastern bank of Aliso Creek, extending approximately 250 feet south of the southbound State Route 73 (SR-73) Aliso Creek Bridge and approximately 375 feet north of the SR-73 northbound bridge. The site area is largely intact, with only minimal disturbance.



Overview of the portion of the site area beneath the SR-73 Aliso Creek Bridge. View to the northwest.

Permanent Trinomial: CA-ORA-1357 Supplement ( )

Other Designations: AC-1

ARCHEOLOGICAL SITE RECORD

1. **County:** Orange.

2. **USGS Quad:** San Juan Capistrano (7.5') 1968 (15') **Photorevised** 1981.

3. **UTM Coordinates: Zone** 11 433900 **m Easting** 3715240 **m Northing**

4. **Township** 7 S **Range** 8 W : unsectioned **Base Meridian:** San Bernardino

5. **Map Coordinates:** 219 **mmS** 145 **mmE (From NW corner of map)**

6. **Elevation:** 212 feet

7. **Location:** Located along the east bank of Aliso Creek on alluvial flood plain/terrace deposits, opposite site CA-ORA-389 on west bank of Aliso Creek.

8. **Prehistoric** x **Historic** **Protohistoric**

9. **Site Description:** Site appears to be a hunting camp intermittently occupied for very short periods.

10. **Area** 200 **m(NS)** x 10-30 **m(EW)** 5,400 m^2

    Method of Determination: Tape measure.

11. **Depth:** 70-100 **cm. Method of Determination:** Test excavation.

12. **Features:** None observed during test excavations.

13. **Artifacts:** Numerous Cottonwood Triangular and Leaf-shaped points; debitage (chert with some obsidian); scraper, biface preform, small chopper tool, bifacial mano, scraper plane, core fragment, and a graver.

14. **Non-Artifactual Constituents and Faunal Remains:** animal bone and a shark's tooth; some shell (mostly *Mytilus, Chione,* and *Argopecten*).

15. **Date Recorded:** October 10, 1993.

16. **Recorded By:** Larry Carbone and Philip de Barros.

17. **Affiliation and Address:** Chambers Group, Inc., 16700 Aston Street, P.O. Box 57002, Irvine, CA 92619-7002

See Continuation Sheet (X)

Permanent Trinomial: CA-ORA-1357
Mo. Yr.

Other Designations: AC-1

ARCHEOLOGICAL SITE RECORD

18. **Human Remains:** Upper jaw fragment and several human teeth from a single individual recovered in test unit at 78-80 cm.

19. **Site Disturbances:** Moderate to extensive bioturbation; two shallow dirt road cuts have been graded across the site.

20. **Nearest Water (Type, distance and direction):** Aliso Ck. 5 m west

21. **Vegetation Community (site vicinity):** Riparian vegetation.

22. **Vegetation (on site):** mostly introduced grasses and bushes, including some wild mustard.

23. **Site Soil:** Upper - compacted, medium-brown sandy silt to clay; lower - loose light/yellow brown sands with some clay.

24. **Surrounding Soil:** Similar, but surface somewhat lighter color.

25. **Geology:** alluvium.

26. **Landform:** creek terrace within slight valley.

27. **Slope:** 0°

28. **Exposure:** Open

29. **Landowner(s) (and/or tenants) and Address:** Right-of-Way for San Joaquin Hills Transportation Corridor.

30. **Remarks:** Human remains probably redeposited. No burial pit or intact in situ remains noted in test unit or immediately adjacent area. Remains found in loose sand deposit.

31. **References:** Treatment Plan Pursuant to 36 CFR 800.11, Chambers Group, October 1993, Prepared for FHWA.

32. **Name of Project:** San Joaquin Hills Transportation Corridor.

33. **Type of Investigation:** Discovery Situation.

34. **Site Accession Number:** N/A
Curated At: N/A

35. **Photos:** On file with Chambers Group, Inc.

See Continuation Sheet (X)

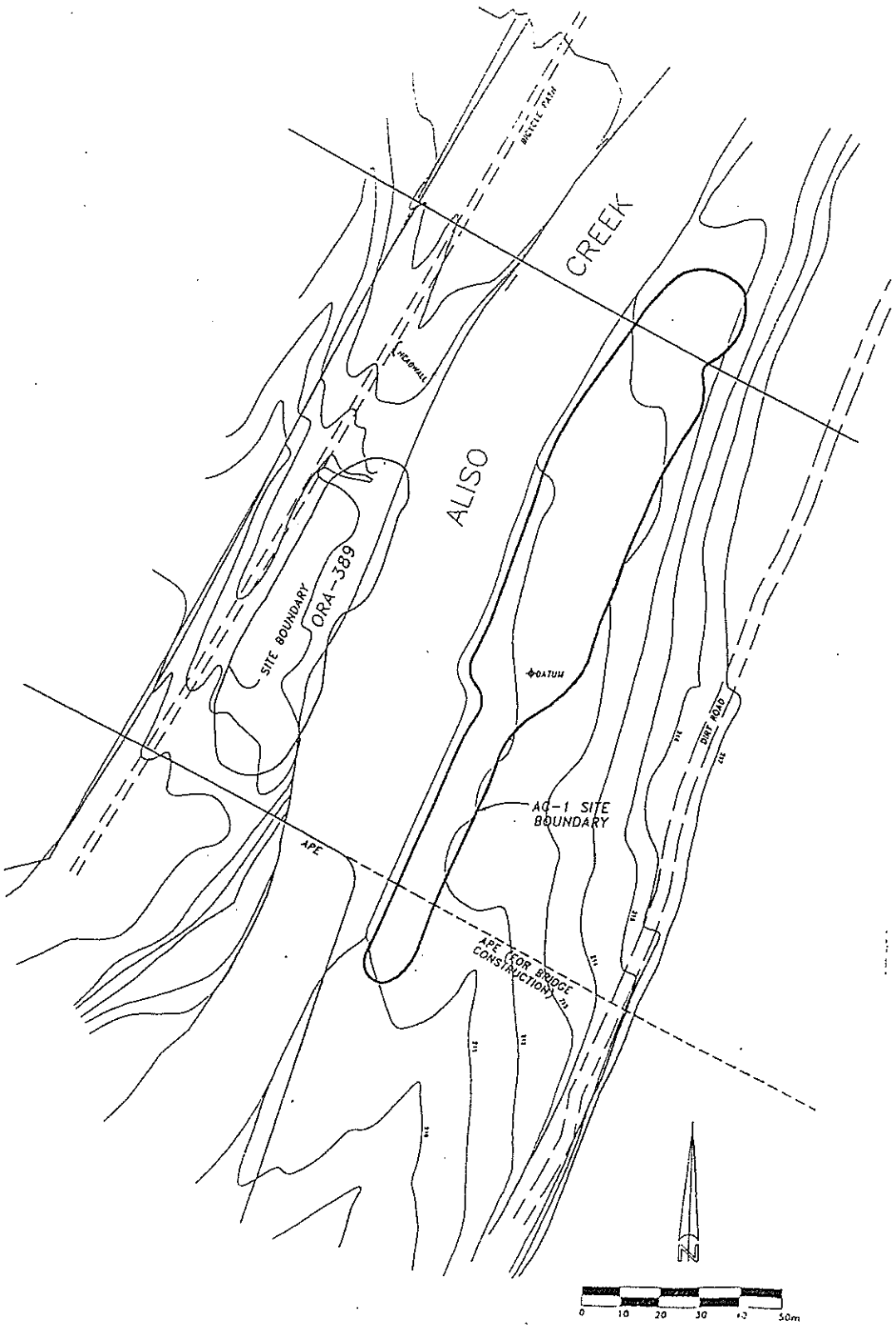
State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL SITE MAP

Permanent Trinomial: CA-ORA-1357

Mo. Yr.

Other Designations: AC-1



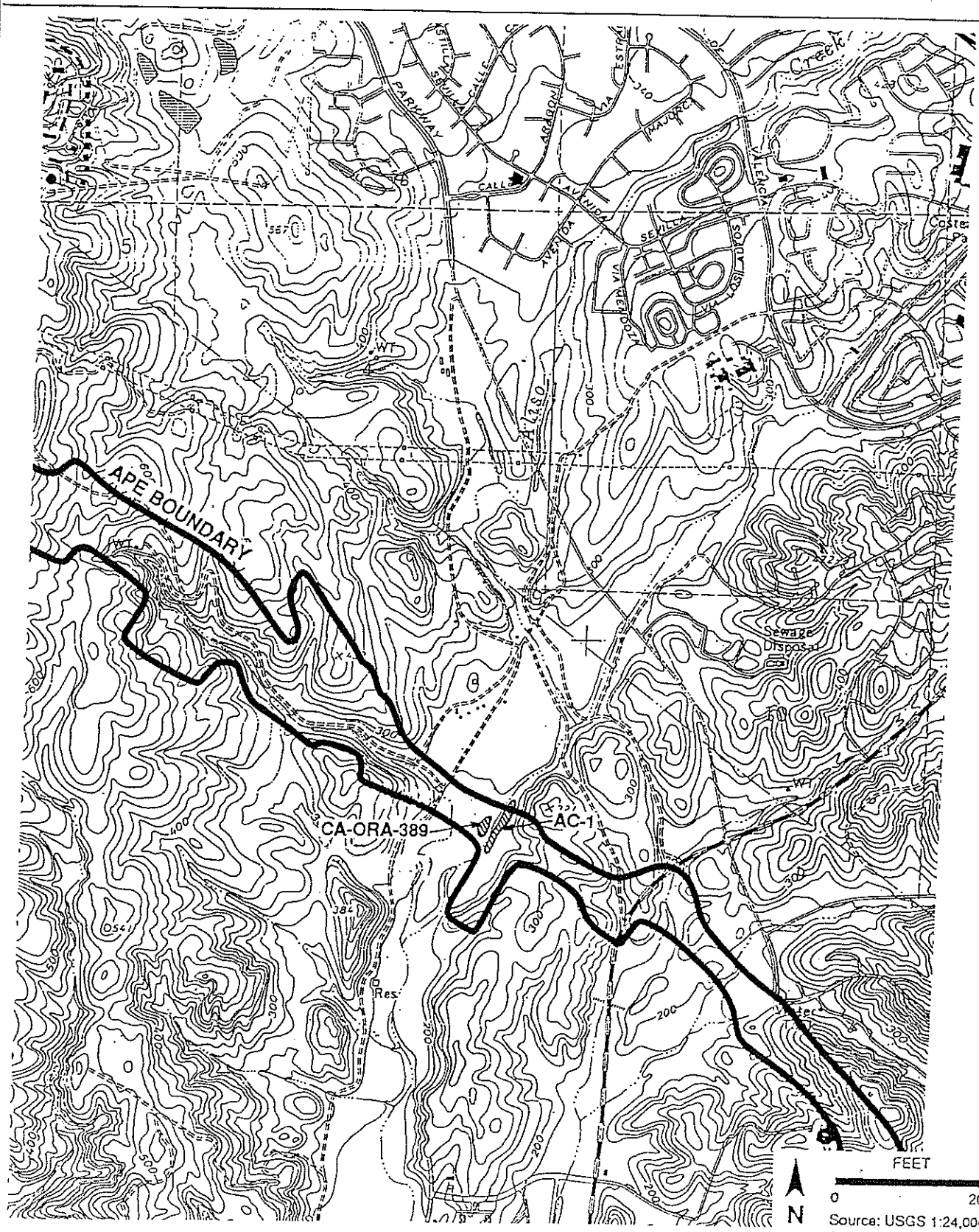
State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL SITE LOCATION MAP

Permanent Trinomial: CA-ORA-1357

Mo. Yr.

Other Designations: AC-1



Source: USGS 1:24,000 series
San Juan Capistrano, CA

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

CONTINUATION SHEET

Primary # 30-001358
HRI#
Trinomial CA-ORA-1358

*Resource Name or # (Assigned by recorder)

*Recorded by: P. Fulton *Date: 12/22/2008 ☐ Continuation ☒ Update

Site 30-001358 is plotted in the area between northbound State Route 73 (SR-73) and the northbound SR-73 off-ramp to Macarthur Boulevard. The site has been completely destroyed by construction of SR-73 and Macarthur Boulevard.

Overview of the plotted site area from the shoulder of the northbound SR-73. View to the northeast.

Permanent Trinomial: CA-ORA-1358 Supplement ( )

Other Designations: NC-1

ARCHEOLOGICAL SITE RECORD

1. **County:** Orange.

2. **USGS Quad:** Tustin **(7.5')** 1965 **(15')** **Photorevised** 1981.

3. **UTM Coordinates:** **Zone** 11 420480**m E** 3722620**m N**

4. **Township** 6 **South Range** 9 **West** San Bernardino Base and Meridian (Southern portion of Lot 57, Irvine Ranch).

5. **Map Coordinates:** 492**mmS** 68**mmE (From NW corner of map)**

6. **Elevation:** 100 feet

7. **Location:** The site is on a small terrace overlooking Bonita Creek about 100 meters east of Newport Coast Drive, approximately 0.2 miles southeast of the intersection of Newport Coast Drive and MacArthur Boulevard.

8. **Prehistoric** X **Historic** **Protohistoric**

9. **Site Description:** The site is a shellfish processing site. On the surface is a scatter of shells in a locus about 10 meters in diameter. Around this locus is a thin scatter of shells with a few lithics and fire altered rocks. A series of shovel test pits and one 1m X 1m unit were excavated. The site showed a similar subsurface distribution. In areas of low shell density, little or no (X)

10. **Area** 219**m (NS) x** 119**m(EW)** 1904**m²**

    Method of Determination: Transit and stadia.

11. **Depth:** 165 **cm. Method of Determination:** Shovel test pits and one 1m X 1m unit.

12. **Features:** None observed.

13. **Artifacts:** Found on the surface were a sandstone bowl fragment, 4 rhyolite flakes, 5 Monterey chert flakes, one chalcedony flake, and one Monterey chert scraper. No artifacts subsurface.

14. **Non-Artifactual Constituents and Faunal Remains:** The primary constituent of the site (X)

15. **Date Recorded:** December 9, 1993.

16. **Recorded By:** J. Paulson.

17. **Affiliation and Address:** Chambers Group, Inc., 16700 Aston Street, P.O. Box 57002, Irvine, CA 92619-7002

See Continuation Sheet (X)

Permanent Trinomial: CA-ORA-1358 _____ –
Mo. Yr.

Other Designations: NC-1

ARCHEOLOGICAL SITE RECORD

18. **Human Remains:** None observed.

19. **Site Disturbances:** Much evidence of rodent disturbance. The upper portion of the site has been scraped for brush removal.

20. **Nearest Water (Type, distance and direction):** Seasonal drainage (Bonita Creek) 50 meters southwest, Newport Bay is 3/4 mile northwest.

21. **Vegetation Community (site vicinity):** Disturbed, low grasses.

22. **Vegetation (on site):** Low grasses.

23. **Site Soil:** Sandy-silt.

24. **Surrounding Soil:** Similar.

25. **Geology:** Monterey formation.

26. **Landform:** Terrace on hillside.

27. **Slope:** 2°

28. **Exposure:** Open

29. **Landowner(s) (and/or tenants) and Address:** Transportation Corridor Agencies, 345 Clinton, Costa Mesa, CA 92626

30. **Remarks:** Site to be destroyed as part of construction of San Joaquin Hills Transportation Corridor.

31. **References:**

32. **Name of Project:** San Joaquin Hills Transportation Corridor.

33. **Type of Investigation:** Test excavation.

34. **Site Accession Number:** N/A
Curated At: N/A

35. **Photos:** On file with Chambers Group, Inc.

See Continuation Sheet (X)

Permanent Trinomial: CA-ORA-1358 _____
Mo. Yr.
Other Designations: NC-1

ARCHEOLOGICAL SITE RECORD

Continuation Sheet

Page 3 of 7.

Item No.	Continuation
9	shell or other material was found below the surface and bedrock was reached at a shallow depth (20-30cm). At the area of the greatest surface density, a depression exists in the bedrock and the cultural material continues throughout the soil, down to a depth of 160cm.
14	is shell. The surface and the upper levels of the unit were predominated by Chione, followed by Argopecten sp. As the depth of the deposit increases, the Argopecten becomes more dominant. Also present are Ostrea lurdia, Protothaca, Acathina spirata, Crepidula sp., and Astrea undosa. Some bone was found in the unit, primarily rodent with a few bones of fish, toads, snakes, a few fragments of small mammal bones. Some fire altered rocks were also noted on the surface and in the deposit.

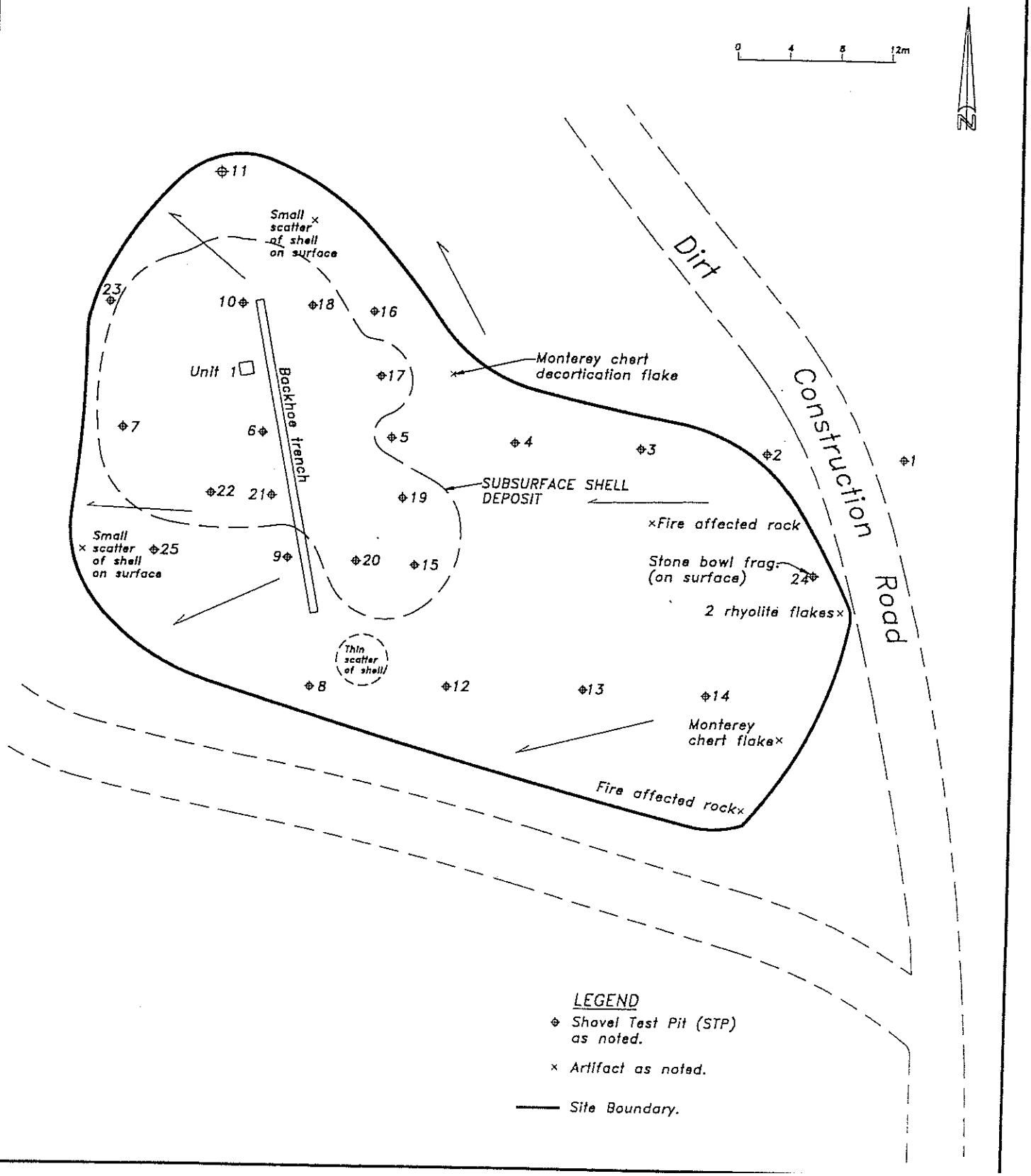
State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL SITE MAP

Permanent Trinomial: CA-ORA-1358

Other Designations: NC-1

Mo. Yr.



State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

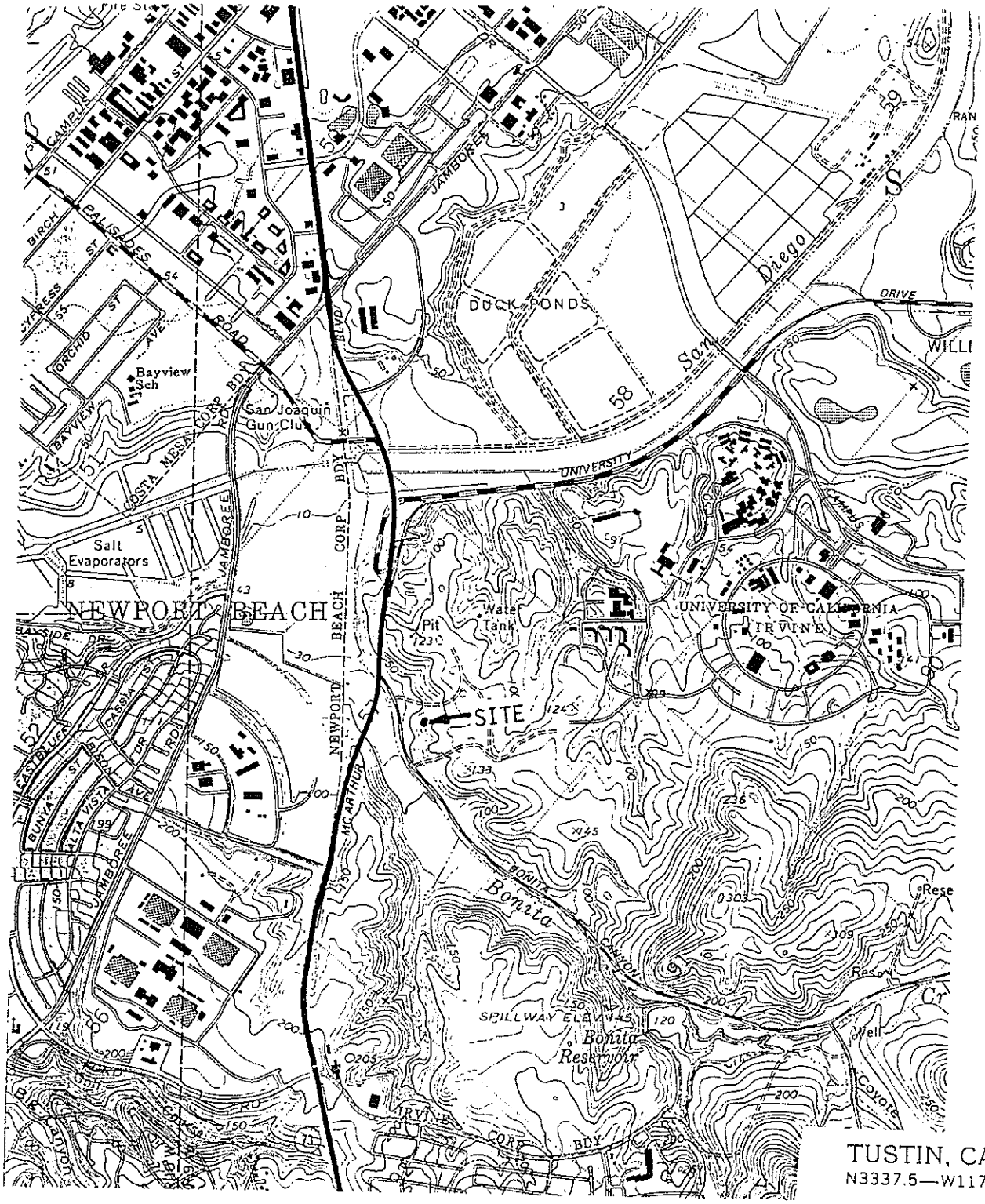
ARCHEOLOGICAL SITE LOCATION MAP

Page 5 of 5.

Permanent Trinomial: CA-ORA-1358

Mo. Yr.

Other Designations: NC-1



TUSTIN, CALIF.
N3337.5—W11745/7.5

1965
PHOTOREVISED 1981
DMA 2451 III NE-SERIES V895

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

CONTINUATION SHEET

Primary # 30-001431
HRI#
Trinomial CA-ORA-1431

Page 1 of 1 *Resource Name or # (Assigned by recorder)

*Recorded by: P. Fulton *Date: 12/22/2008 ☐ Continuation ☒ Update

Site 30-001431 is plotted extending from the northbound State Route 73 (SR-73) shoulder upslope for approximately 550 feet to the east. The western portion of the site has been destroyed by a large cut slope in the hill for SR-73. The eastern portion of the site above the cut appears to be intact.

Overview of the plotted site area from the eastern edge of storm water Basin 883L. View to the north.

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

CONTINUATION SHEET

Primary # 30-001432
HRI#
Trinomial CA-ORA-1432

Page 1 of 1 *Resource Name or # (Assigned by recorder)

*Recorded by: P. Fulton *Date: 12/22/2008 ☐ Continuation ☒ Update

Site 30-001432 is plotted extending from the northbound State Route 73 (SR-73) lanes and extending across the SR-73 southbound lanes to where storm water Basin 883L is located. The site has been almost completely destroyed by construction of SR-73 and associated features, including storm water basin 883L. A small portion of the site remains extant immediately west of storm water Basin 883L. At the time of this site visit, two small flakes were observed in the area.

Overview of the plotted site area from the eastern edge of storm water Basin 883L. Intact portions of the site appear to be extant behind the disturbance limits visible in the center-left of the photograph. View to the west.

Permanent Trinomial: CA-ORA-1432 Supplement (__)
Other Designations: SJH-5

ARCHAEOLOGICAL SITE RECORD

1. **County:** Orange.

2. **USGS Quad:** Laguna Beach **(7.5')** X **(15')** **Photorevised** 1981

3. **UTM Coordinates: Zone** 10 426990 **m E** 3718110 **m N**

4. **Township** 6S **Range** 9W. SW **1/4 of** SW **1/4 of** NW **1/4 of Section** 160, Survey of the Irvine Ranch.

5. **Map Coordinates:** 105 **mmS** 340 **mmE (From NW corner of map)**

6. **Elevation:** 886 feet (270 meters)

7. **Location:** The site is situated on a relatively flat (approximately 10 degrees) terrace that overlooks the upper end of Laurel Canyon and is approximately 2 miles northwest of Laguna Canyon.

8. **Prehistoric** X **Historic** _ **Protohistoric**

9. **Site Description:** The site is a moderately dense distribution of surface and subsurface lithics. Evidence from cultural material and site soils suggests some length of time for site usage and at least 2 occupations. Both dart and arrow points are present.

10. **Area** 110**m (NS) x** 90**m(EW)** 9,900 **m^2**

    Method of Determination: Transit and 100 meter fiberglass measuring tape.

11. **Depth:** 110 **cm. Method of Determination:** Shovel Test Probes and excavation units.

12. **Features:** One large (approximately 3 by 2 meters) feature was encountered at a depth of between 50 to 100 centimeters below the present ground surface. The feature consists of almost 400 rocks and the plan view shows a semi-circular configuration. Very little carbon was retrieved from this feature and the surrounding soil and bedrock did not appear thermally altered.

13. **Artifacts:** Numerous flakes of varied materials (e.g., Bedford Canyon metavolcanic), a cogged stone, a crescentic, several projectile points including one elko-eared point, and a cottonwood triangular point, several scrapers, hammerstones, manos, metates, cores, and bifaces were recovered from the surface and subsurface.

14. **Non-Artifactual Constituents and Faunal Remains:** Evidence of a recent fire can be observed across the site surface.

15. **Date Recorded:** May 3, 1995.

16. **Recorded By:** R. Cerreto

17. **Affiliation and Address:** Chambers Group, Inc., 16700 Aston Street, P.O. Box 57002, Irvine, CA 92619-7002

ARCHAEOLOGICAL SITE RECORD

18. **Human Remains:** None observed.

19. **Site Disturbances:** Access roads have been graded just north of this site. Small grading cuts intrude on the site to the northeast and southwest.

20. **Nearest Water (Type, distance and direction):** Intermittent stream in upper Laurel Canyon 300 meters to the southeast.

21. **Vegetation Community (site vicinity):** Grassland with minimal coastal sage scrub.

22. **Vegetation (on site):** Small brush, grasses, and occasional sumac (*Rhus*).

23. **Site Soil:** Mostly a brown (10YR 5/3 dry, 10YR 4/3 wet) sandy silt above a yellowish brown (10YR 6/4 dry, 10YR 4/6 wet) sandy silt to silty sand overlaying sandstone bedrock.

24. **Surrounding Soil:** Same.

25. **Geology:** Sandstone.

26. **Landform:** Relatively flat (10 degrees) terrace area.

27. **Slope:** 10-30 degrees.

28. **Exposure:** Open to wind and sun.

29. **Landowner(s) (and/or tenants) and Address:** Transportation Corridor Agencies.

30. **Remarks:** Nearby related sites are SJH-4, and CA-ORA-1398. SJH-5 was found during grading monitoring. A test program consisting of surface collection and 29 shovel test probes was followed by a data recovery program consisting of 42 one by one meter units. The site was released for grading on May 5, 1995. All work was conducted following the Treatment Plan for the San Joaquin Hills Transportation Corridor (SJHTC) approved by Caltrans, SHPO, and ACHP.

31. **References:**

32. **Name of Project:** San Joaquin Hills Transportation Corridor.

33. **Type of Investigation:** Construction monitoring, Phase II testing, and Phase III mitigation for the SJHTC.

34. **Site Accession Number:** N/A **Curated At:** N/A

35. **Photos:** On file at Chambers Group, Inc.

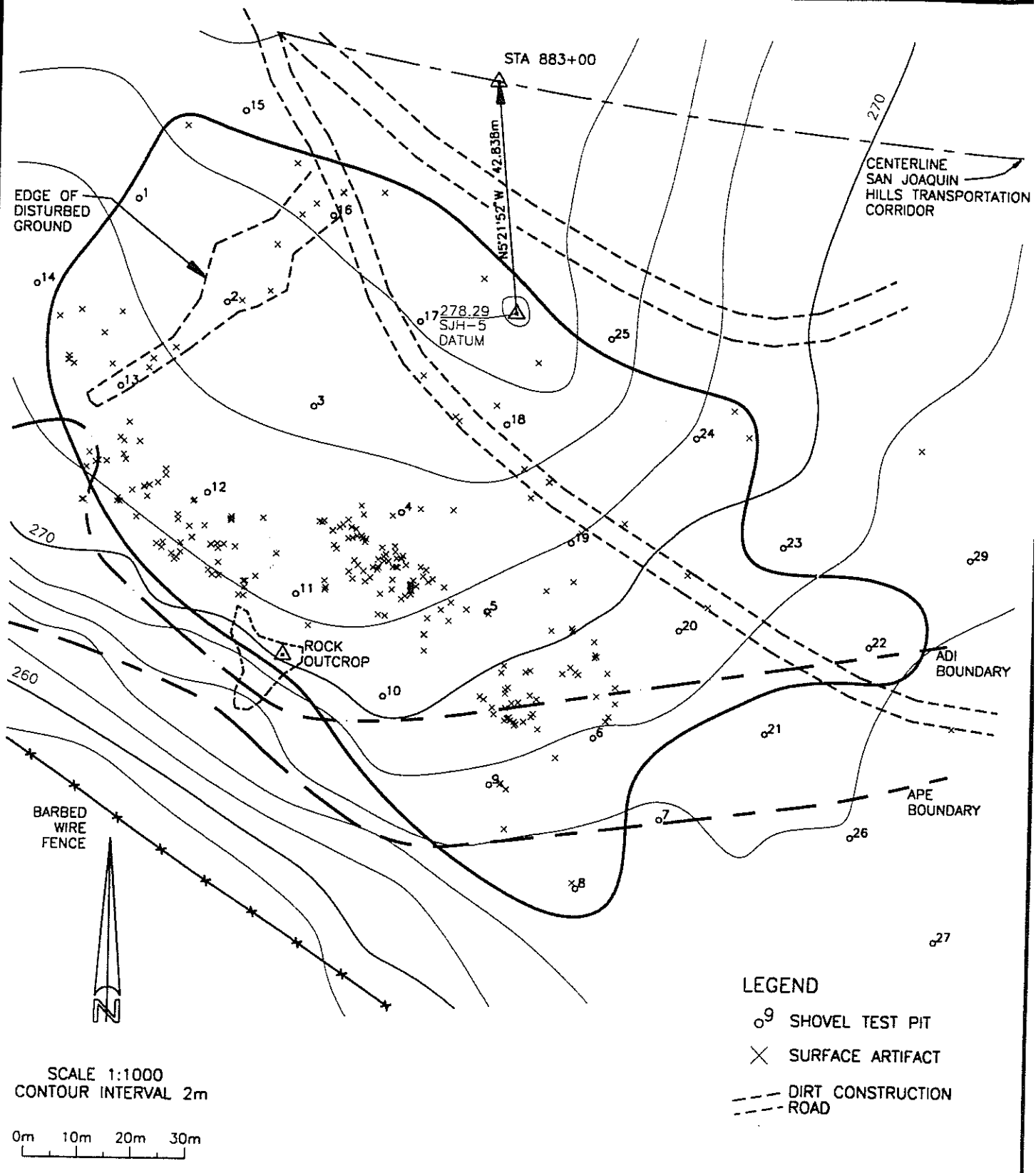
State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL SITE MAP

Permanent Trinomial: CA-ORA-1432

5 / 95
Mo. Yr.

Other Designations: SJH-5



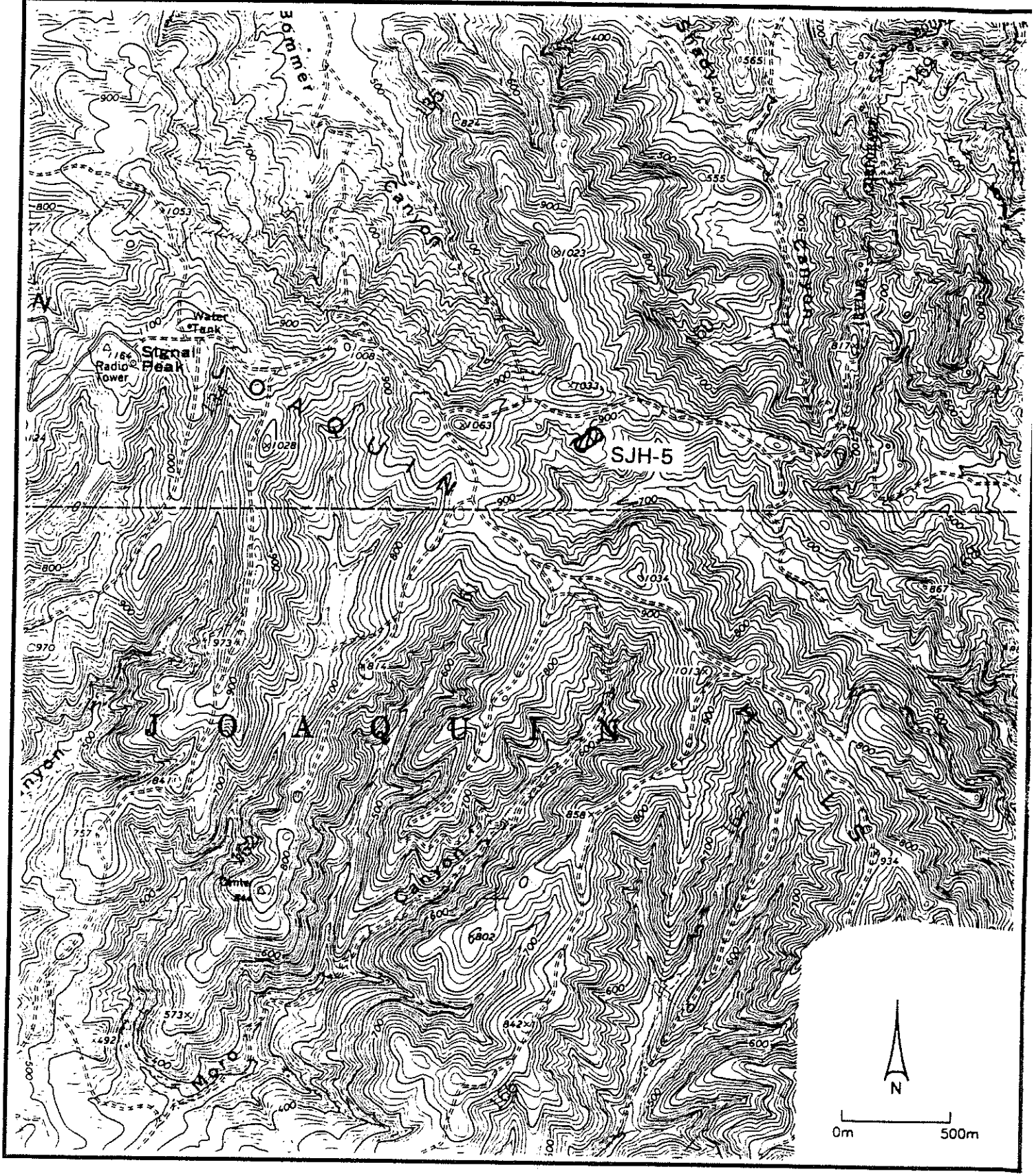
State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL SITE
LOCATION MAP

Permanent Trinomial: CA-ORA-1432

5 | 95
Mo. Yr.

Other Designations: SJH-5



State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

CONTINUATION SHEET

Primary # 30-001438
HRI#
Trinomial CA-ORA-1438

Page 1 of 1 *Resource Name or # (Assigned by recorder)

*Recorded by: P. Fulton *Date: 12/22/2008 ☐ Continuation ☒ Update

Site 30-001438 is plotted extending from El Toro Road to approximately 100 feet west of El Toro Road, south of the southbound State Route 73 (SR-73) off-ramp to El Toro Road. The site has been completely destroyed by construction of El Toro Road and storm water Basin 765L.

Overview of the plotted site area from the shoulder of El Toro Road. View to the north.

Permanent Trinomial: _____ Supplement (__)
Other Designations: SJH-7

ARCHAEOLOGICAL SITE RECORD

1. **County:** Orange.

2. **USGS Quad:** Laguna Beach **(7.5')** 1965 **(15')** **Photorevised** 1981

3. **UTM Coordinates: Zone** 10 430152 **m E** 3716768 **m N**

4. **Township** 7S **Range** 8W . NE **1/4 of** NE **1/4 of** NW **1/4 of** SE **1/4** of Section 180, **Base Mer.** SBBM , Survey of the Irvine Ranch.

5. **Map Coordinates:** 160 **mmS** 484 **mmE (From NW corner of map)**

6. **Elevation:** 310 feet (95 meters)

7. **Location:** The site is situated in an intermittent drainage under 2 to 7 meters of colluvial deposition approximately 50 meters west of El Toro Road and approximately 1,075 meters northeast of the intersection of El Toro Road with Laguna Canyon Road. The site is located roughly halfway between the previous locations of CA-ORA-1081 and CA-ORA-316 (both now destroyed) and 150 meters south of CA-ORA-1436.

8. **Prehistoric** X **Historic** __ **Protohistoric** __

9. **Site Description:** The site consists of several small isolated deposits of bone and shell debris, possibly the result of colluvial re-deposition.

10. **Area** 23.5 **(NS) x** 35 **m(EW)** 823 **m^2**

    Method of Determination: Theodolite and computer mapping program.

11. **Depth:** 30 **cm. Method of Determination:** Excavation units.

12. **Features:** None.

13. **Artifacts:** 14 pieces of debitage, 1 mano, 1 projectile point fragment.

14. **Non-Artifactual Constituents and Faunal Remains:** Animal bone fragments and highly fragmented Mytilus shell.

15. **Date Recorded:** September 16, 1995.

16. **Recorded By:** Roger Mason

17. **Affiliation and Address:** Chambers Group, Inc., 16700 Aston Street, P.O. Box 57002, Irvine, CA 92619-7002

See Continuation Sheet (_)

Permanent Trinomial: _____ 9 95
Mo. Yr.
Other Designations: SJH-7

ARCHAEOLOGICAL SITE RECORD

18. **Human Remains:** Potential human bone fragments; coroner could not make determination.

19. **Site Disturbances:** Site was discovered during construction grading. Site area uncovered and initially disturbed by a bulldozer.

20. **Nearest Water (Type, distance and direction):** Intermittent stream adjacent to El Toro Road, 50 meters, southeast.

21. **Vegetation Community (site vicinity):** Coastal sage scrub.

22. **Vegetation (on site):** None. Site was buried.

23. **Site Soil:** Mostly an unconsolidated brown (10YR 5/3 dry, 10YR 4/3 wet) sandy silt above a yellowish brown (10YR 6/4 dry, 10YR 4/6 wet) sandy silt to silty sand overlaying sandstone bedrock.

24. **Surrounding Soil:** Same.

25. **Geology:** Deep alluvium/colluvium deposits above sandstone bedrock.

26. **Landform:** Drainage.

27. **Slope:** 9 percent.

28. **Exposure:** Buried under colluvial deposits.

29. **Landowner(s) (and/or tenants) and Address:** Transportation Corridor Agencies.

30. **Remarks:** The site was released for grading on September 18, 1995. All work was conducted following the Treatment Plan for the San Joaquin Hills Transportation Corridor (SJHTC) approved by Caltrans, SHPO, and ACHP. Site may represent redeposited material from CA-ORA-316, a rockshelter previously graded.

31. **References:**

32. **Name of Project:** San Joaquin Hills Transportation Corridor (SJHTC).

33. **Type of Investigation:** Construction monitoring for the SJHTC.

34. **Site Accession Number:** N/A **Curated At:** N/A

35. **Photos:** On file at Chambers Group, Inc.

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL SITE MAP

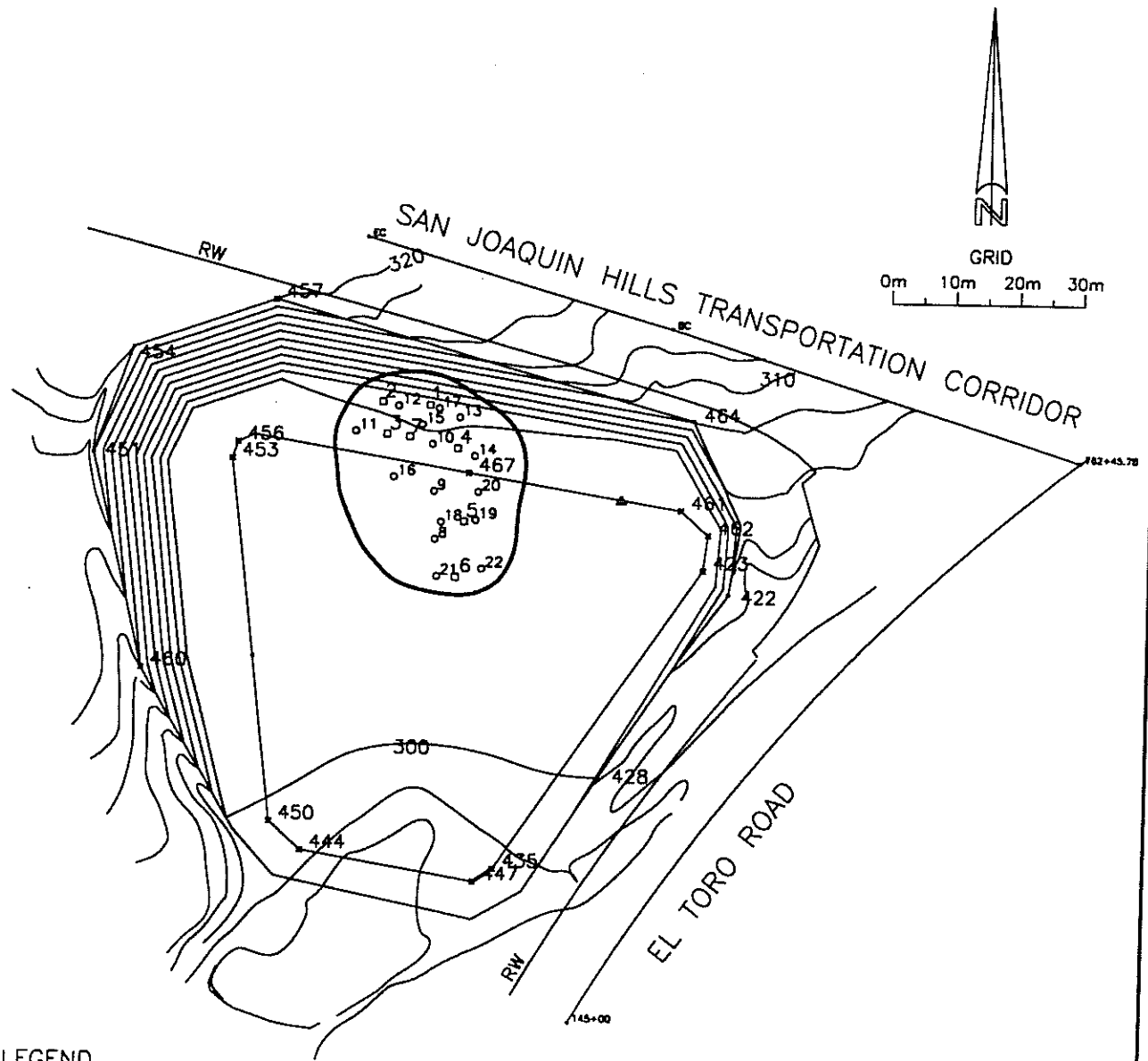
Page 3 of 4

Permanent Trinomial: CA-ORA-1438

Other Designations: SJH-7

Mo. Yr.

DRAFT



LEGEND

- SHOVEL TEST PIT
- UNIT
- SURFACE SCRAPE
- CONTROL POINT

State of California – The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

ARCHEOLOGICAL SITE
LOCATION MAP

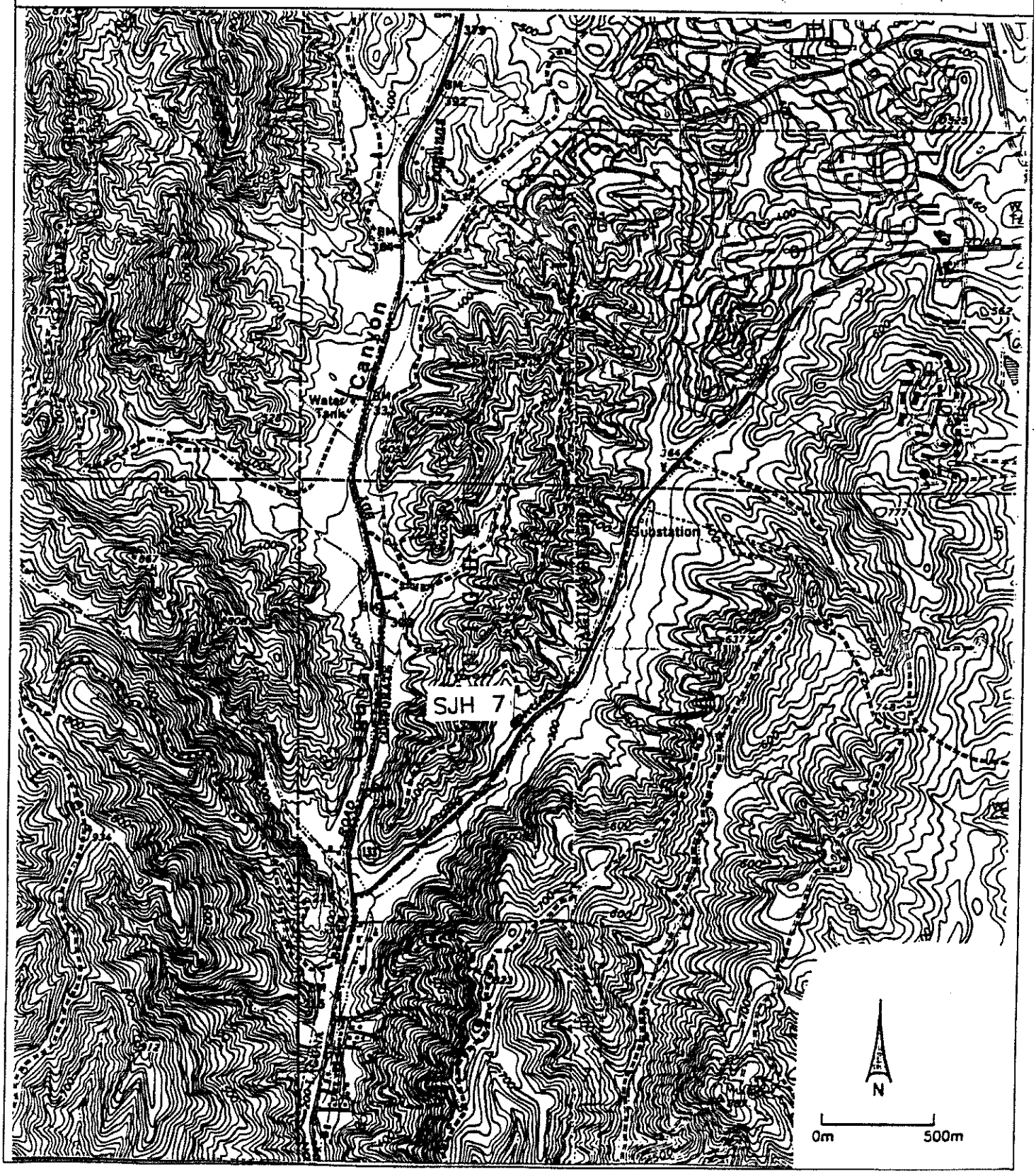
Page 4 of 4

Permanent Trinomial: CA-ORA-1438

Mo. Yr.

Other Designations: SJH-7

DRAFT



SJH7SR.DWG

State of California — The Resources Agency
DEPARTMENT OF PARKS AND RECREATION

CONTINUATION SHEET

Primary # 30-001478
HRI#
Trinomial CA-ORA-1478

Page 1 of 1 *Resource Name or # (Assigned by recorder)

*Recorded by: P. Fulton *Date: 12/22/2008 ☐ Continuation ☒ Update

Site 30-001478 is plotted approximately 60 feet north of the northbound State Route 73 (SR-73) off-ramp to Laguna Canyon Road. The site area does not appear to be disturbed.

This overview of the site is from the northbound SR-73 off-ramp to Laguna Canyon Road. View to the north.

PRIMARY RECORD Primary #:
California Department of Parks and Recreation
Office of Historic Preservation

HRI #: P-30-001478
Trinomial: CA-ORA-
NRHP Status Code:
Other Listings:

Page 1 of 7 Review Code ____ Reviewer _____ Date _____

P1. Property Name/Temporary No.: Laguna Canyon Site 3 (LC-S-3)

P2. Location: (Address and parcel number OR UTM coordinates and location map required.)
County: Orange
a. Address:
City: Laguna Beach **Zip:**
b. Parcel Number:
c. UTM: Zone 11: Northern: 429620 **mE** / 3717220 **mN**;
USGS Quad: *Laguna Beach* 7.5' **Dated:** 1965 **Photo revised:** 1981.
d. Township 7S; **Range** 8W; in the NE ¼of the SE ¼ of the NW ¼ of the NE ¼ of Irvine Section 180. Base Meridian: SBR
e. Other Locational Data: (Provide legal description, directions to resource, and/or other locational information if appropriate.)
The site is atop a low, isolated knoll just south of several large sycamore trees and is located approximately 61 m (200 ft) east of Laguna Canyon Road, approximately 0.4 km (0.25 mile) north of the San Joaquin Hills Transportation Corridor (Toll Road), and 1.2 km (0.75 mile) north of the intersection of El Toro and Laguna Canyon Roads.

P3. Description: (Describe resource and its major elements. Include design, materials, condition, size, setting, and boundaries as relevant.)
The site is an octagonally-shaped poured-cement foundation located on a low, isolated knoll with sandstone outcrops. The feature is ground level, appears to be water related and is probably a water tank foundation, based on its knoll location. The feature measures 8 ft in diameter with walls measuring just over 8 inches in thickness with impressions of 8 inch boards in the upper surface. The measurement of the board impressions suggests that the cement was poured prior to ca. 1950. Additionally, on a sandstone outcrop located on the lower hillside approximately 90 m (300 ft) east, are three sets of three carved initials ("TWA, MDA/MDR, TWA") with large lichen growths suggesting extreme age.

P6. Photograph: Octagonal cement foundation inspected by Ivan Strudwick. View to southwest.

Property Name/Temporary No.: Laguna Canyon Site 3 (LC-S-3)

P4. Resources Present: ___ Building __ Structure __ Object _X_ Site __ District __ Element of District __ N/A

P5. Resource Attributes: (List relevant attributes and codes)

The historic site contains a ground surface octagonally-shaped poured-cement foundation that is probably a water tank foundation (AH 2). The carved initials in the sandstone outcrop (AH 16) may or may not be related to the cement foundation and the boundary of the site has not been extended to include the insciption.

P7. Date Constructed/Age:
___ Prehistoric _X_ Historic __ Both

P8. Owner: (Name & Address):
San Joaquin Hills Transportation Corridor (TCA)

P9. Recorded by: Ivan Strudwick and Gary King
Project No.: EMA631

LSA Associates, Inc.,
One Park Plaza, Suite 500
Irvine, CA. 92614

P10. Date recorded: April 8, 1997

P11. Type of Survey:
___ Intensive
___ Reconnaissance
_X_ Other
Describe: A pedestrian survey employing transects of 10-12 m between surveyors was used to cover the proposed Laguna Canyon Road widening APE. The area in the vicinity of the site was intensively surveyed after the foundation was identified.

P12. Report citation: (Provide full citation or enter "none.")
Strudwick, Ivan H. and Deborah K. B. McLean
1997 Archaeological Survey Report for the Laguna Canyon Road (S. R. 133) Widening in Laguna Beach, Orange County, California. LSA Associates, Inc. Ms. to be filed at the Archaeological Information Center, University of California, Los Angeles, California.

Attachments:
___ None
_X_ Location Map
___ Building, Structure, and Object Record
___ Linear Resource Record
_X_ Archaeological Record
___ District Record
___ Milling Station Record
___ Rock Art Record
___ Artifact Record
_X_ Photograph Record
_X_ Other: (Site Map)

A1. Temporary No./Name: Laguna Canyon Site 3 (LC-S-3)

A2. Dimensions: a. Length 35 m (N-S) **x b. Width** 20 m (E-W) [115x66 ft]
Method of measurement: X Paced ___ Taped ___ Visual estimate X Other Mapped
Method of determination: (Check all that apply) X Artifacts X Features ___ Soil ___ Vegetation
X Topography ___ Cut bank ___ Animal burrow ___ Excavation X Property boundary
___ Other: (Explain):
Site size was estimated by the size of the knoll on which the foundation exists.

Reliability of determination: X High ___ Low Explain:

An intensive survey of the immediate area ensued after the foundation was identified. Site boundary is based on the size of the knoll on which the foundation exists.

Limitations: (Check any that apply) X Restricted access ___ Paved/built over ___ Disturbances ___ Site limits incompletely defined X Other: (Explain):

The site is located on property currently within the San Joaquin Hills Transportation Corridor jurisdiction. During the survey, site contained a dense growth of vegetation, obscuring the ground surface and additional artifacts may exist.

A3. Depth: Unknown ___ None X Unknown Method of Determination:

Determination of subsurface component did not occur as part of this survey.

A4. Human Remains: ___ Present X Absent ___ Possible ___ Unknown (Explain): Unlikely.

A5. Features: (Number, briefly describe, indicate size, list associated cultural constituents, and show location of each feature on sketch map)

The site consists of one feature: a ground level, octagonally-shaped poured-cement foundation located on a low, isolated knoll with sandstone outcrops. The feature appears to be water related and is probably the base for a water tank, based on its elevated location. The feature measures 8 ft in diameter with walls measuring just over 8 inches in thickness containing impressions of 8 inch boards on its upper surface. The actual measurement of the board impressions suggests that the cement was poured at least prior to the 1950s and probably much earlier.

A6. Cultural Constituents: (Describe and quantify artifacts, ecofacts, cultural residues, etc., not associated with features

No artifacts were identified at this location although approximately 90 m (300 ft) east, on a sandstone outcrop located on the lower hillside, are three sets of three carved initials ("TWA MDA/MDR") with large lichen growths suggesting extreme age.

A7. Were Specimens Collected? X No ___ Yes (If yes, attach Artifact Record or catalog)
No, artifacts were observed at this site other thana the poured cement.

A8. Site Condition: ___ Good X Fair ___ Poor (Describe disturbances):

Due to its location atop the isolated knoll containing numerous sandstone outcrops, little disturbance has occurred to this site.

Property Name/Temporary No.: Laguna Canyon Site 3 (LC-S-3)

A9. Nearest Water: (Type, distance, and direction) A minor drainage exists less than 61 m (200 ft) east of the site, between the isolated knoll and the outcrop containing the carved initials.

A10. Elevation: 300 ft

A11. Environmental Setting: (Describe vegetation, fauna, soils, geology, landform, slope, aspect, exposure, etc., as appropriate)

The longest canyon in the San Joaquin Hills was referred to as *Cañada de las Lagunas* (Canyon of the Lagoons) during the Spanish Period (Meadows 1966:76), since fresh water lagoons existed near the upper (north) end of the canyon. Currently, there are three natural lakes in this area. The APE is situated primarily on recent Holocene alluvial and colluvial deposits (Qac). Some early Miocene Vaqueros Formation and late Eocene Sespe Formation deposits exist on the slopes above the Laguna Canyon valley floor (Morton and Miller 1981). The site supports a dense growth of introduced grasses and contains numerous low sandstone outcrops.

A12. Historical Information: (Note sources and provide full citations in Field A15 below)

Beginning in 1876, several Mormon families occupied the region near the intersection of Laguna Canyon and El Toro Roads for about 14 years (Marsh 1987). By 1892, the Mormons had vacated the site. The school house was moved to Laguna Beach in 1893 and later became the first Catholic Church, located at Legion and Through Streets (Marsh 1987). Laguna Beach was subdivided in 1887 by George Rogers. A post office, "Lagona," was opened May 15, 1891 and the name changed to "Laguna Beach" on September 17, 1904. The road through the canyon, originally a rough wagon road, was paved in 1914 (Meadows 1966:76). The city of Laguna Beach was incorporated in June, 1927. Construction of coast highway in the mid-1920s stimulated population growth in Laguna Beach and resulted in construction of a pipeline to bring water from the Santa Ana River basin to Laguna Beach (Cleland 1952:134).

A13. Age: ___ Prehistoric ___ Pre-Colonial (1500-1769) ___ Spanish/Mexican (1769-1848)
___ Early American (1848-1880) ___ Turn of Century (1880-1914)
_X_ Early 20th Century (1914-1945) ___ Post WWII (1945+) ___ Undetermined

A14. Remarks and Interpretations: (Discuss scientific, interpretive, ethnic, and other values of site, if known)

The placement of a ground level cement foundation atop a low knoll suggests that it is water-related. The feature is thus, most likely a water tank foundation.

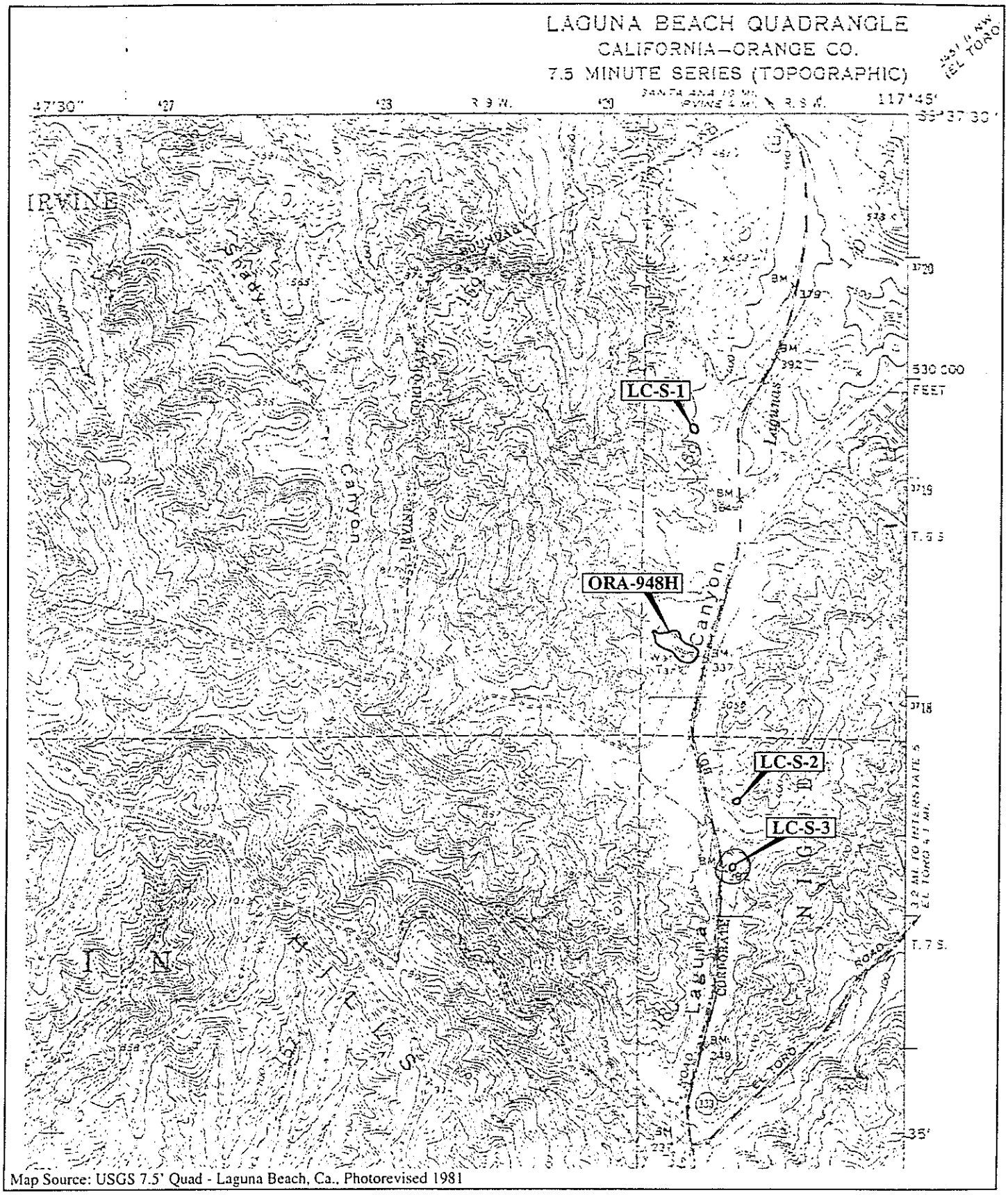
A15. References: (Give full citations including the names and addresses of any persons interviewed, if possible)

Strudwick, Ivan H. and Deborah K. B. McLean
1997 Archaeological Survey Report for the Laguna Canyon Road (S.R. 133) Widening in Laguna Beach, Orange County, California. LSA Associates, Inc. Ms. to be filed at the Archaeological Information Center, University of California, Los Angeles, California.

Photographs: (List camera format, lens focal length, film type and speed, subjects, and accession numbers or attach a Photograph Record)
Refer to photolog.

A17. Form Prepared By: Ivan Strudwick **Date:** April 8, 1997
Affiliation and Address: LSA Associates, Inc.; One Park Plaza, Suite 500; Irvine, CA 92614
Project No.: EMA631

P-30-001478



Map Source: USGS 7.5' Quad - Laguna Beach, Ca., Photorevised 1981

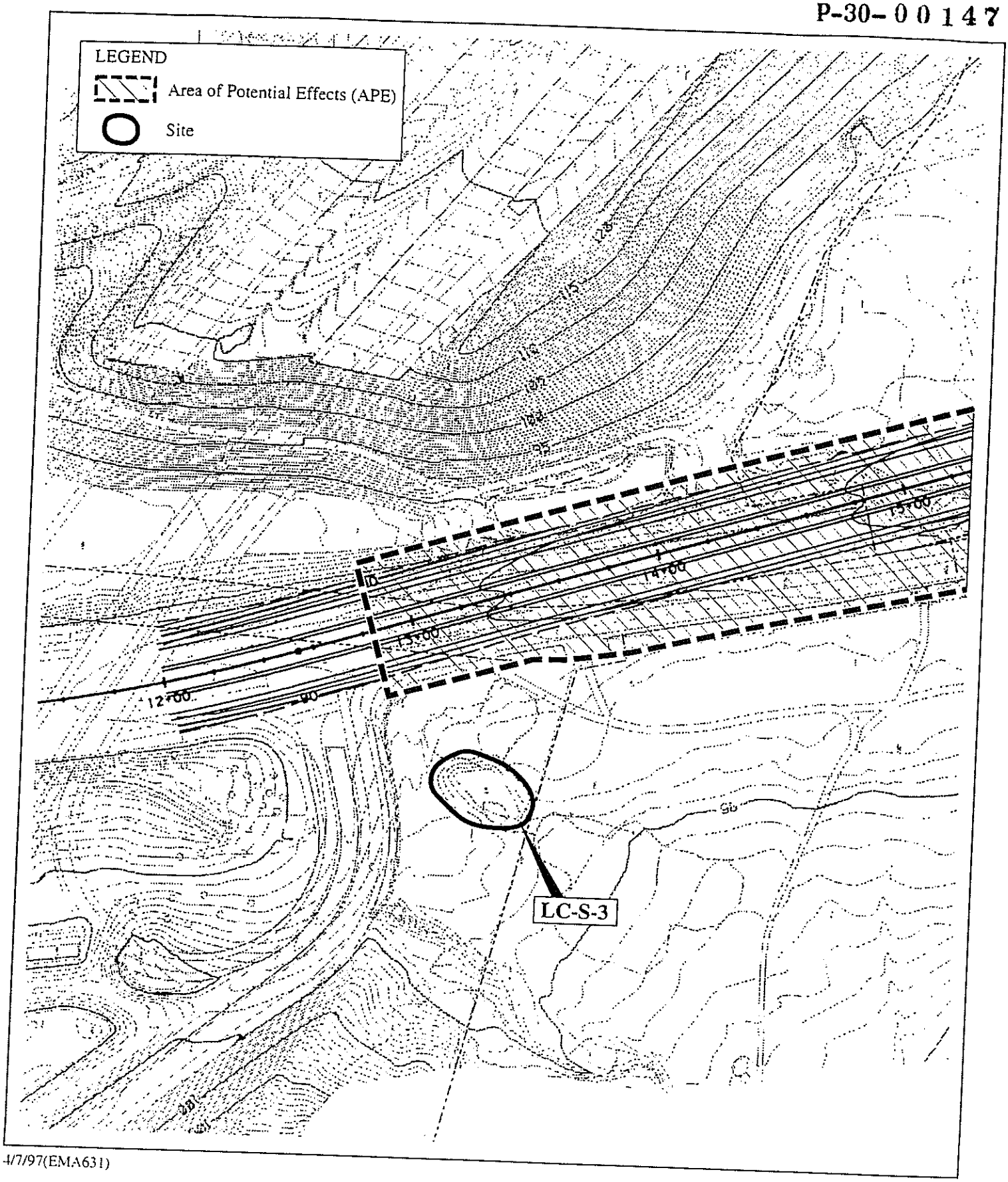
4/7/97(EMA631)

N

LSA

Scale in Feet

0 1000 2000



4/7/97(EMA631)

Figure

N

LSA

Scale in Meters

0 50

LC-S-3

PHOTOGRAPHIC RECORD

CALIFORNIA Department of Parks and Recreation
Office of Historic Preservation

Primary # P-30-001478
Trinomial/HRI# _____

Page ___ of ___

Property or Project Name/Temporary No.: EMA631 Laguna Canyon Road Survey
Camera Format: Kodak Box
Film Type and Speed: 35 mm ASA not listed
Negatives kept at: LSA Associates, Inc., 1 Park Plaza, Suite 500, Irvine, CA 92614
Lens Size: 50 mm
Year: 1997
Roll #: EMA631 Survey Roll #3

Mo.	Day	Time	Neg.	Subject/Description	Facing	Accession#
March	17	8:45	25	* Project Area NE side Laguna Cyn Rd. SJHTC - ridge	W	
March	17	8:45	24	* Project Area NE side Laguna Cyn Rd. SJHTC - note vehicles	SW	
March	17	8:45	23	* Project Area NE side Laguna Cyn Rd. SJHTC - note corridor & Sycamore	S	
March	17	8:45	22	* Project Area NE side Laguna Cyn Rd. SJHTC	SE	
March	17	8:45	21	* Project Area NE side Laguna Cyn Rd. SJHTC	E	
March	17	9:30	20	LC - S- 2 on ridge to right of chaparral	NW	
March	17	11:30	19	LC - S- 2 on ridge to right of chaparral ½ way to road from outcrop on left	NW	
March	17	11:30	18	* LC - S- 2 on ridge to right of chaparral " " " "	NW	
March	17	11:30	17	* Project Area showing SJHTC	W	
March	17	11:40	16	"Tale of the Snake" on trail	S	
March	17	11:45	15	APE LC-8-3 near the SJHTC overcrossing of Laguna Canyon Road	SW	
March	17	12:30	14	LC-S-3 cement foundation with Ivan Strudwick	NE	
March	17	12:30	13	LC-S-3 cement foundation-with Ivan Strudwick	NE	
March	17	12:30	12	LC-S-2 to left of sandstone outcrops and to right of trees	N	
March	17	13:00	11	TWA incised sandstone initials east of LC-S-3	E	
March	17	13:00	10	TWA incised sandstone initials east of LC-S-3	E	
March	17	14:00	9	View from Sycamore stand	W	
March	17	14:00	8	View from Sycamore stand	W/SW	
March	17	15:00	7	James "Hey Dilly" Dilley Greenbelt with Ivan Strudwick	N	
March	17	15:00	6	James "Hey Dilly" Dilley Greenbelt with Ivan Strudwick	N	
March	17	15:00	5	James "Hey Dilly" Dilley Greenbelt with Gary King	N	
March	17	15:00	4	James "Hey Dilly" Dilley Greenbelt with Gary King	N	
March	17	15:45	3	Old cement/wooden beam with iron supports	SW	
March	17	15:45	2	Old cement/wooden beam with iron supports	SW	
March	17	16:45	1	* APE - note LC-S-2	NE	
March	17	16:45	0	* APE - note Sycamore grove	E	
March	17	16:45	00	* APE - SJHTC/Laguna Canyon Road on-ramp	SE	

* Panorama photograph

State of California C The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
PRIMARY RECORD

Primary #30-001687
HRI #
Trinomial
NRHP Status Code
Other Listings
Review Code _____ Reviewer _____ Date _____

Page 1 of 8 *Resource Name or #: (Assigned by recorder) LSA-CDT0807-1

P1. Other Identifier:
***P2. Location:** ☒ Not for Publication ☐ Unrestricted **a. County** Orange
and (P2b and P2c or P2d. Attach a Location Map as necessary.)
b. USGS 7.5' Quad *Laguna Beach* **Date** 1965 (1981); **T** 7S; **R** 8W; unsectioned; SB **B.M.**
c. Address _____ **City** _____ **Zip**
d. UTM: (Give more than one for large and/or linear resources) **Zone** 11; 430070 **mE** /3716742**mN (NAD27)**
e. Other Locational Data: (e.g., parcel #, directions to resource, elevation, etc., as appropriate) The site is located west of El Toro Road and south of the southbound State Route 73 (SR-73) off-ramp to El Toro Road. There is a large storm water basin in the southwest quadrant of the intersection of El Toro Road and the off-ramp. A dirt access road and a concrete v-ditch are located on the southwestern perimeter of the basin. The site is located between the v-ditch and the Caltrans right-of-way fenceline.

***P3a. Description:** (Describe resource and its major elements. Include design, materials, condition, alterations, size, setting, and boundaries) The site is the repatriation location of fragmented human remains and possible human remains recovered from excavations at CA-ORA-1436 and CA-ORA-1438 during the data recovery program for the San Joaquin Hills Transportation Corridor (SR-73) project.

***P3b. Resource Attributes:** (List attributes and codes) Repatriation site
***P4. Resources Present:** ☐ Building ☐ Structure ☐ Object ☐Site ☐ District ☐ Element of District ☒ Other (Isolates, etc.)

***P5.** Overview of the repatriation site from the shoulder of El Toro Road facing west.

***P6. Date Constructed/Age and Sources:**
☐Historic ☒ Prehistoric ☐ Both
Reburied July 13, 1996

***P7. Owner and Address:**
California Department of Transportation

***P8. Recorded by:** (Name, affiliation, and address):
Phil Fulton
LSA Associates, Inc.
20 Executive Park, Suite 200
Irvine, CA 92614

***P9. Date recorded:**
December 23, 2008

***P10. Survey Type:** (Describe)
Phase I Reconnaissance Survey

* P11. Report citation: (Cite survey report and other sources or enter "none.") (Fulton 2009) Archaeological Survey Report for the State Route 73 Basin Sedimentation Project, Orange County, California.

Attachments: ☐None ☒Location Map ☐Sketch Map ☐Continuation Sheet ☐Building, Structure, and Object Record
☐Archaeological Record ☐District Record ☐Linear Feature Record ☐Milling Station Records (5) ☐Rock Art Record
☐Artifact Record ☐Photograph Record ☒Other (List) Letter and supporting information sent to the Native American Heritage Commission (NAHC) by Roger Mason, dated July 15, 1996 (6 pages).

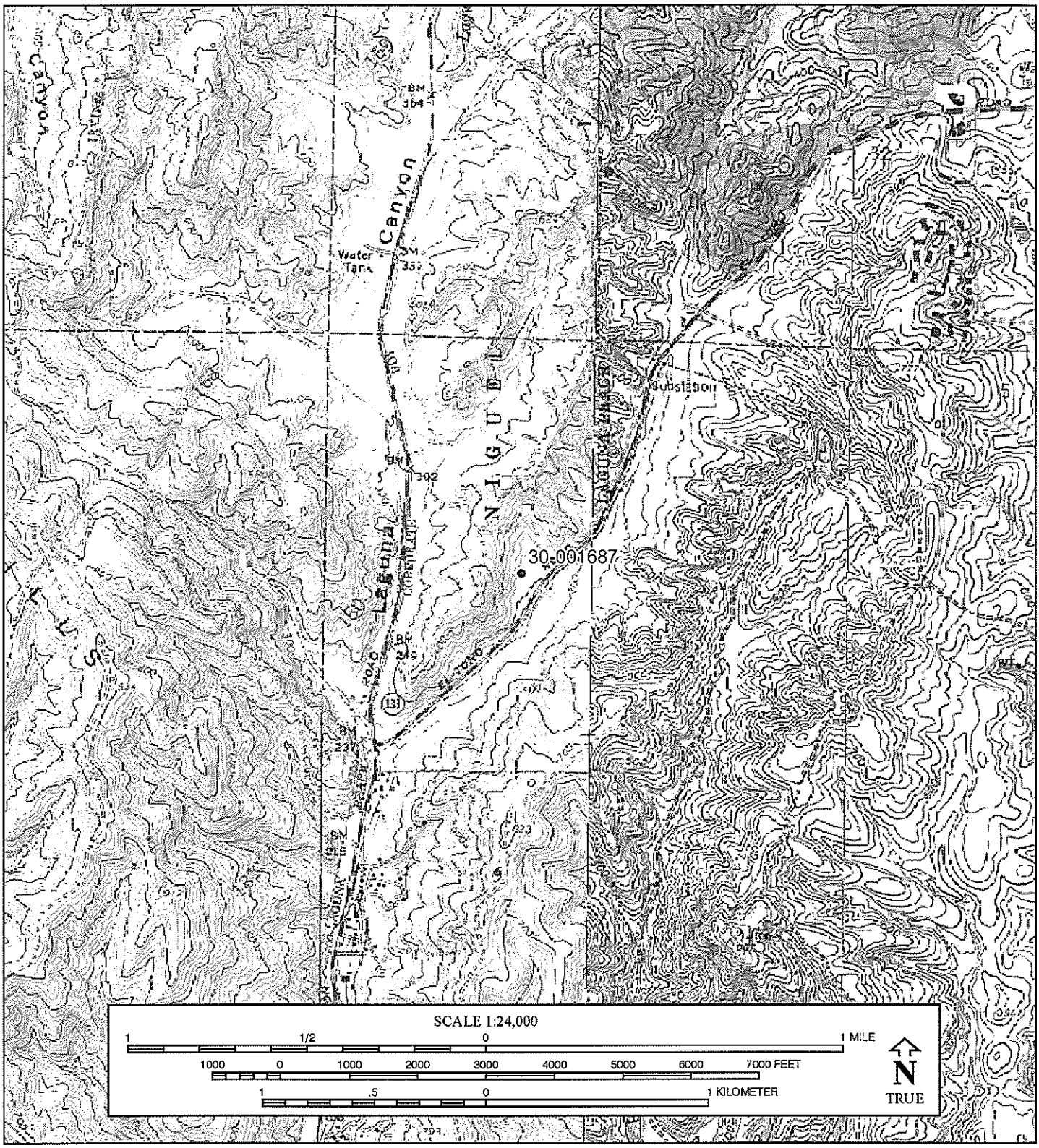
DPR 523A (1/95) ***Required Information**

State of California - The Resources Agency
DEPARTMENT OF PARKS AND RECREATION
LOCATION MAP

Primary # 30-001687
HRI #
Trinomial

*Resource Name or # (Assigned by recorder) LSA-CDT0807-1

*Map Name: USGS 7.5' Quad, *Laguna Beach*, California *Scale: 1:24,000 *Date of Map: 1996



I:\CDT0807\GIS\DPR_loc_map.mxd (1/26/2009)

* Required Information

3 of 8

Chambers Group, Inc.
Environmental Consultants
Scientists
Planners
Engineers

96 JUL 17 PM 3:00

July 15, 1996
(5163I)

Mr. Larry Myers
Native American Heritage Commission
915 Capitol Mall, Room 364
Sacramento, CA 95814

Subject: Reburial Site in Orange County

Dear Mr. Myers:

On July 13, 1996, Native American human remains from archaeological site CA-ORA-1436 (SJH-6) and -1438 (SJH-7) were reburied in accord with the reburial agreement for the San Joaquin Hills Transportation Corridor (SJHTC) project in Orange County. The remains were recovered as part of the archaeological data recovery program for the SJHTC. The reburied remains from ORA-1436 consist of 31 bone fragments identified as human by Dr. Judy Suchey and additional non-diagnostic fragments. According to Dr. Suchey, the remains are all from a single adult of undetermined sex. The Orange County Coroner was informed of the discovery of human bone at ORA-1436 on March 30, 1995, and Dr. Suchey confirmed that they were human and prehistoric in origin.

Numerous small calcined bone fragments were encountered at ORA-1438 on September 15, 1995. The Orange County Coroner's office took possession of the bone fragments the same day and assigned case number 95-05716ES to them. On September 22, Investigator Esslinger informed me that Dr. Suchey had examined the fragments, but they were too small to determine whether they were human. The bone fragments were subsequently returned to me for reburial.

The reburial of the remains from ORA-1436 and ORA-1438 took place at the location indicated on the enclosed maps. The reburial site is near the two archaeological sites where the bones were found and is within the right-of-way for the SJHTC where no further grading or other ground disturbance will occur. The right-of-way will be transferred to Caltrans ownership upon opening of the SJHTC.

The reburial ceremony was conducted by David Belardes, Most Likely Descendant for the Juaneño Band of Mission Indians, and Ernie Salas, Most Likely Descendant for the Gabrielino/Tongva Tribal Council. Other members of both groups were also present.

Corporate Headquarters
16700 Aston Street (92714)
P.O. Box 57002 (92619-7002)
Irvine, California
(714) 261-5414
Fax: (714) 261-8950
e-mail: cgirvine@aol.com

Inland Empire
2001 Iowa Avenue, Suite 206
Riverside, CA 92507
(909) 276-8344
Fax: (909) 276-0923
e-mail: cgiriver@aol.com

If you have any questions, please call me at (714) 261-5414, extension 6181.

Sincerely,

Roger D Mason

Roger D. Mason, Ph.D.
Director of Cultural Resources

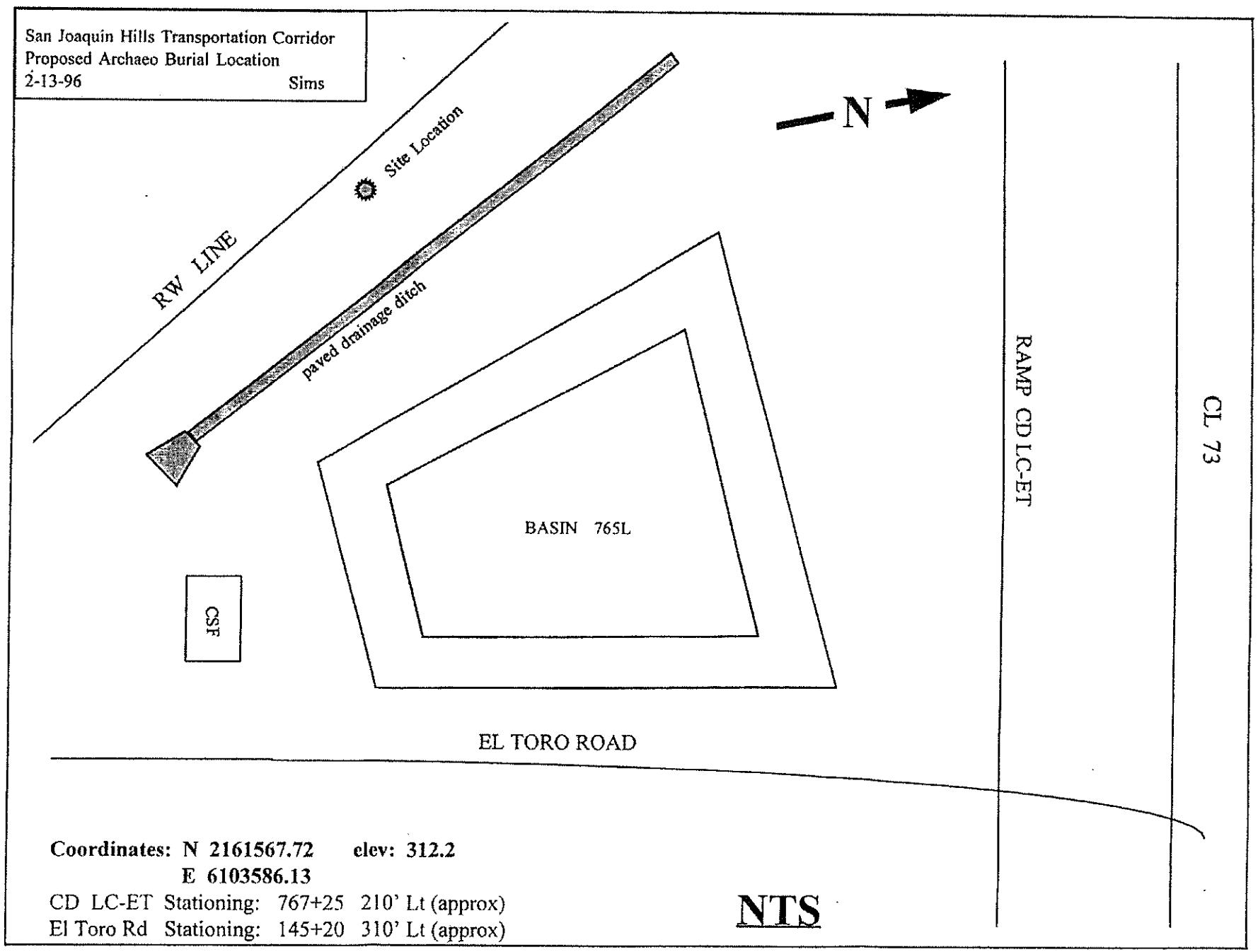
Enclosures

cc: Laura Eisenberg, Transportation Corridor Agencies
Gene Huey, Caltrans District 12

lizII\0716rdm


Reburial Location
LAGUNA HILLS
LAGUNA CANYON RD
MOULTON
VALENCIA
ALICIA
PACIFIC
CORRIDOR
TRANSPORTATION
ENTERPRISE
ALISO/WOOD CANYONS REGIONAL PARK
LAGUNA COAST WILDERNESS PARK
ALISO CREEK
T6S
T7S

San Joaquin Hills Transportation Corridor
Proposed Archaeo Burial Location
2-13-96 Sims



Coordinates: N 2161567.72 elev: 312.2
E 6103586.13
CD LC-ET Stationing: 767+25 210' Lt (approx)
El Toro Rd Stationing: 145+20 310' Lt (approx)

NTS

7 of 8

Judy Myers Suchey, Ph.D.

FORENSIC ANTHROPOLOGIST

CONSULTANT TO THE MEDICAL EXAMINER/CORONER
FOR THE COUNTIES OF LOS ANGELES, ORANGE, RIVERSIDE AND SAN BERNARDINO

April 4, 1995

PROFESSOR
DEPARTMENT OF ANTHROPOLOGY
CALIFORNIA STATE UNIVERSITY
FULLERTON, CA 92634

PHONE 714-524-1265
FAX 714-524-5150
BEEPER 714-295-0591

Roger D. Mason, Ph. D.
Director of Cultural Resources
CHAMBERS GROUP, INC.
16700 Aston Street
Irvine, CA 92619-7002

Dear Dr. Mason:

On April 4, 1995 I gave the skeletal remains from SJH-6 a cursory examination and found the majority to be human (femoral head, mandible fragment with premolar and molar, talus, metatarsals). All of the above are adult. In the aim toward preservation, I will not examine the rest of the fragments until they have been processed. <u>These remains are prehistoric and not of recent origin.</u>

Several fragments appear to be non-human (SJH-6, Feat. 1, Item 145 and SJH-6 158 in south of Visit 1 △).

Sincerely,

Judy M Suchey

Judy Myers Suchey, Ph. D.
Forensic Anthropologist

cc: Cullen Ellenburgh, Orange County Coroner Investigations

Judy Myers Suchey, Ph.D. J M Suchey
FORENSIC ANTHROPOLOGIST
DIPLOMATE OF THE AMERICAN BOARD OF FORENSIC ANTHROPOLOGY
CONSULTANT TO ORANGE, LOS ANGELES AND SAN BERNARDINO COUNTIES, CALIFORNIA

4-28-95

PROFESSOR
DEPARTMENT OF ANTHROPOLOGY
CALIFORNIA STATE UNIVERSITY
FULLERTON, CA 92634

OFFICE 714-773-3706
714-773-3826
HOME 714-524-1265

Roger Mason:

All bones are adult, could represent a single person.
Right & left foot represented.
Hand bones
distal fibula
distal talus
femoral head
left mandible

31 fragments identified as human, adult
position on body will be noted in
report.

I don't see any bones that
are non-human. all non-
diagnostic bones are potentially
human.

ATTACHMENT F

ESA ACTION PLAN

ENVIRONMENTALLY SENSITIVE AREA (ESA) ACTION PLAN

FOR THE

STATE ROUTE 73 BASIN SEDIMENTATION PROJECT

COUNTY OF ORANGE, CALIFORNIA

12-ORA-73- PM 10.0/24.5 EA 0H4400

ARCHAEOLOGICAL SITES 30-000389, 30-001357, AND 30-001687

FEBRUARY 2009

EA 0H4400 STATE ROUTE 73 BASIN SEDIMENTATION PROJECT (PM 10.0/24.5) Environmentally Sensitive Area (ESA) Action Plan:

Tasks and Responsible Parties

Stage	Task	Responsible Party	Task Completion (Date and Initial)
Prior to Construction	Caltrans District 12 Archaeologist will ensure that the ESA for 30-000389, 30-001357, and 30-001687 is clearly described and illustrated in the plans, specifications, and estimates prepared to guide construction of the undertaking.	Caltrans Archaeologist, Project Engineer, and Project Manager	
	All responsible parties will review the Plan Specifications and Engineering (PS&E) package.	Caltrans Project Manager, Project Engineer and Archaeologist	
	This ESA Action Plan will be part of the RE Pending File.	Caltrans Project Manager, Archaeologist and Resident Engineer (RE)	
	The ESA will be discussed during the pre-construction meeting with construction personnel and it will be stressed that no construction activity (including storing or staging of equipment or materials) should occur within the ESA and that workers must remain outside the ESA at all times.	Caltrans Archaeologist, Resident Engineer and Contractor	
	The Resident Engineer will notify the Caltrans Archaeologist at least two (2) weeks in advance of construction activities in the	Resident Engineer and Contractor	

	vicinity of storm water basins 630L, 635L, and 765L as delineated on the attached ESA map to ensure that an archaeological monitor is available as needed.		
	The Contractor, in consultation with the Caltrans Archaeologist, will install temporary exclusionary fencing along the east side of the Aliso Creek bike path near Basin 635L, the west side of the dirt access road under the Aliso Creek bridge near Basin 630L, and along the edge of the v-ditch at the southwest side of Basin 765L.	Contractor and Caltrans Archaeologist	
During Construction	The Caltrans Archaeologist will inspect the construction area on a weekly basis, or as needed, to ensure that the ESA is not inadvertently breached.	Caltrans Archaeologist	
	Should any unanticipated finds be made within the APE, construction will be diverted away from the finds and sufficient time allowed to make a determination as to the nature and significance of said find.	Caltrans Archaeologist, Resident Engineer	
After Construction	The Resident Engineer will inform the Caltrans Archaeologist when construction is finished.	Resident Engineer	

Responsible parties as of February 2009:

Title	Contact	Phone Number
Caltrans Archaeologist	Cheryl Sinopoli	(949)724-2855
Project Manager	Eric Dickson	
Resident Engineer	To be determined	

Area of Potential Effects

Cultural Sites

- Extant/Possibly Extant
- Destroyed
- Environmentally Sensitive Area
- Gravel Access Road

0 70 140
FEET

SOURCE: Air Photo USA (2008).

I:\CDT0807\GIS\ESA_ActionPlan_AlisoCreek.mxd (2/6/2009)

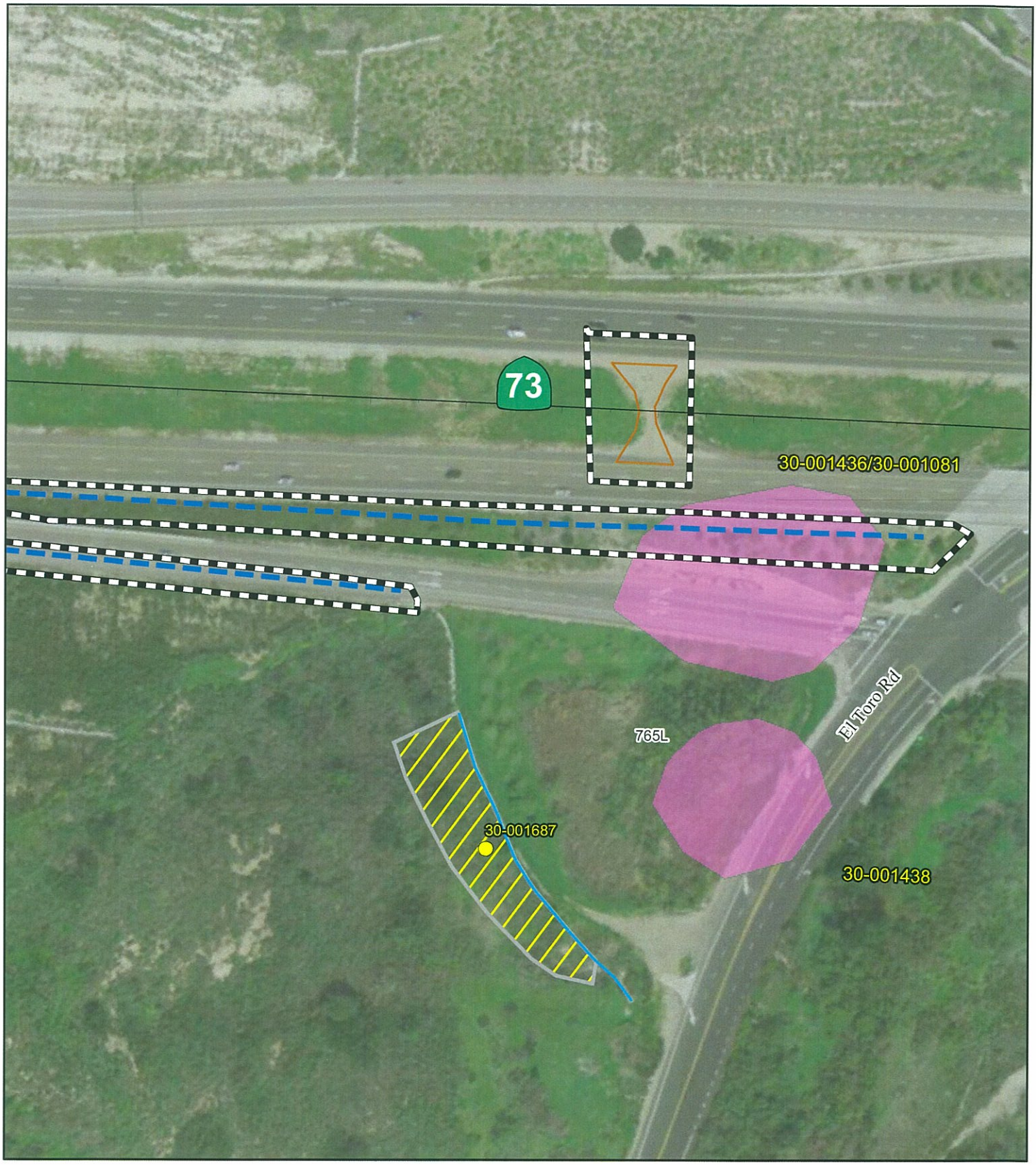
SR-73 Basin Sedimentation Project

ESA Action Plan

30-000389 & 30-001357

EA# 0H4400

12-ORA-73 PM 10/24.5



Area of Potential Effects

Cultural Sites

- Extant/Possibly Extant
- Destroyed
- Environmentally Sensitive Area

- Gravel Access Road
- Asphalt Concrete Curb
- Concrete V-Ditch

N

0 70 140

FEET

SOURCE: Digital Globe (04/08).

I:\CDT0807\GIS\ESA_ActionPlan_ElToroRd.mxd (2/6/2009)

SR-73 Basin Sedimentation Project

ESA Action Plan

30-001687

EA# 0H4400

12-ORA-73 PM 10/24.5