

December 11, 2019

Drew Purvis  
Denny Fitzpatrick  
CGV Coto, LLC  
1209 Santiago Drive  
Newport Beach, CA 92660

Subject: Confidential Cultural Resources Literature Review Summary, Coto de Caza Luxury Senior Village Project, County of Orange, California

Dear Mr. Purvis and Mr. Fitzpatrick:

This letter reports the results of cultural and paleontological resources records search and limited desktop internet research for the Coto de Caza Luxury Senior Village Project. The proposed project involves the reuse of the Coto de Caza Vic Braden Tennis College site and the construction of a 110-unit active senior living residential project.

### **Cultural Resources Records Search**

The South Central Coastal Information Center at California State University, Fullerton completed a California Historic Resources Information System (CHRIS) records search of its files on December 4, 2018 (see Attachment A). The review consisted of an examination of the U.S. Geological Survey's (USGS') Canada Gobernadora 7.5-minute quadrangle map to evaluate the Project's Area of Potential Effects (APE) for any cultural resources sites recorded or cultural resources studies conducted on and near the APE. In addition, California Points of Historical Interest (PHI), California Historical Landmarks (CHL), the California Register of Historical Resources (CRHR), the National Register of Historic Places (NRHP), the California State Historic Resources Inventory (HRI), and historic topographic maps were reviewed. An examination was made of the historic aerial photographs at [HistoricAerials.com](http://HistoricAerials.com) (NETRONLINE n.d.). A pedestrian survey of the APE was completed on December 10, 2019.

The CHRIS records search undertaken by the SCCIC for the project revealed that ten cultural resources properties have been recorded within one mile of the APE. None of the properties are located in the APE. The ten resources are all small lithic scatters found and recorded chiefly in local drainages surrounding the site; the nearest two approximately 700 feet (213 meters) north and northwest of the APE.

The ten recorded cultural resources located within one mile of the APE are shown in Table 1 below.

**Table 1**  
**Cultural Resources Within One Mile of the Ape**

Site Number	Recorder(s) (Year)	Type of Resource
P-30-000034	Anon (1949)	Lithic Scatter
P-30-000560	Drover (1974)	Lithic Scatter
P-30-000561	Leonard (1974)	Lithic Scatter
P-30-000562	Leonard (1974)	Lithic Scatter
P-30-000563	Leonard (1974)	Lithic Scatter
P-30-000728	Cottrell (1978)	Lithic Scatter
P-30-000763	Mabry (1978)	Lithic Scatter
P-30-000764	Mabry (1978)	Lithic Scatter
P-30-000765	Mabry (1978)	Lithic Scatter
P-30-000766	Mabry (1978)	Lithic Scatter

SCCIC information notes that 20 cultural resources studies have been conducted within a one-mile radius of the APE. One of these studies—OR-00249— is within the APE. Report number OR-00249 was an archaeological survey of approximately 1,100 acres of the entire Coto de Caza project area. The Vic Braden Tennis Center had already been constructed at the time of this survey. The two resources described in the study—P-30-000563 and P-30-000728—are lithic scatters located approximately two-thirds of a mile southwest of the APE.

Table 2, below, identifies the previous cultural resources studies within one mile the APE.

**Table 2**  
**Cultural Resources Studies Within One Mile of the Ape**

Report Number	Author(s) (Year)	Type of Study/Project
OR-00249*	Cottrell (1978)	Survey; 1100+ acres; 2 resources
OR-00272	Drover (1974)	Survey; 873 acres; 3 resources
OR-00276	Anon (1978)	Survey; 7 resources
OR-00543	Cottrell (1977)	Survey; 500+ acres; 2 resources
OR-00582	Cottrell (1980)	Survey; 19 resources
OR-01748	Brechbiel (1997)	Survey; .25 acres; 0 resources
OR-01776	Brechbiel (1997)	Survey; .25 acres; 0 resources
OR-02193	Demcak (1999)	Records Search; 6 resources
OR-02194	Demcak (2000)	Survey; 86 resources
OR-02868	Messick (2002)	Survey; 1200 acres; 0 resources
OR-03313	McLean (2004)	Survey; 6 acres; 0 resources
OR-03323	Billat (2006)	Survey; <1 acre; 0 resources
OR-03642	Demcak & Van Wormer (2003)	Archaeological testing; 10 resources
OR-03697	Anon. (1978)	Archaeological testing review; 2 resources
OR-03698	Anon. (1979)	Archaeological testing; 2 resources

Report Number	Author(s) (Year)	Type of Study/Project
OR-03755	Brock & Roeder	Monitoring; 1 resource
OR-03879	Velechovsky (2000)	Survey (paleo); 0 resources
OR-03880	Demcak (2002)	Archaeological testing; 16 resources
OR-03882	Demcak & Van Wormer (2003)	Archaeological testing; 9 resources
OR-03906	Delu (2010)	Survey; 1 resource
*Within APE		

Review of the pertinent historic topographic maps for the Project site (Santiago Peak 1942 and 1943) provided no additional information relevant to the project.

### Internet Research

Internet research on the property, and an examination of historical aerial photographs at HistoricAerials.com (NETRONLINE n.d.), revealed that the former Vic Braden Tennis College facility (opened in 1974) is present on the project site before 1980. In the prior available aerial from 1967, no built environment yet exists onsite.

### Paleontological Resources Records Search

The Natural History Museum of Los Angeles County (NHMLAC) completed a Vertebrate Paleontology Records Check on December 11, 2019 (Attachment B) that determined no vertebrate paleontological localities are recorded on the Project Site; however, fossils have been found and recorded in the vicinity from the same sedimentary deposits that may occur on the surface or subsurface on the project site.

*Most of the proposed project area, the less elevated terrain, has surface deposits composed of younger Quaternary Alluvium, derived as alluvial fan deposit from the surrounding more elevated terrain via the drainage adjacent that currently flows through the proposed project area. These deposits usually do not contain significant vertebrate fossils, at least in the uppermost layers, but may contain significant vertebrate fossils in older sedimentary deposits at relatively shallow depth. Our closest vertebrate fossil locality from older Quaternary deposits is LACM 4119, west-southwest of the proposed project area in a drainage leading into Oso Creek, that produced a fossil specimen of bison, *Bison*. Our next closest vertebrate fossil locality from Quaternary deposits is LACM 1215, southwest of the proposed project area in Oso Creek near what is now the intersection of Crown Valley Parkway with Interstate 5, that produced undetermined fossil teeth of both shark, *Chondrichthyes*, and mammal, *Mammalia*.*

*The elevated terrain in the proposed project area has exposures of the middle to late Eocene Santiago Formation, and that rock unit probably occurs at unknown depth in the rest of the proposed project area. We have no fossil vertebrate localities from the Santiago Formation in Orange County, but we have several localities from this rock unit in San Diego County. Our closest vertebrate fossil locality from the Santiago Formation is LACM 5347, situated in San Onofre Canyon east of Interstate 5, that produced fossil specimens of the insectivore*

*Sespedectes. Our other Santiago Formation vertebrate fossil localities include LACM 3881, 3883-3884, 3979, 4022, 5346-5347, 6926 and 68102, clustered around Carlsbad, that produced a composite fauna of primarily mammals (see appendix [in Attachment B]). David J. Golz (1976. Eocene Artiodactyla of Southern California. Los Angeles County Museum Science Bulletin, 26:1-85) published on the LACM specimens of the protoceratid artiodactyl Leptoreodon leptolophus and the camels Protylopus petersoni and Protylopus stocki from our Santiago Formation locality LACM 68102 (McLeod 2019).*

According to McLeod (2019), shallow excavations in the younger Quaternary Alluvium probably will not uncover significant vertebrate fossil remains. However, deeper excavations that extend down into the older Quaternary deposits and any excavations into the Santiago Formation in the elevated portion of the Project site could encounter significant fossils. Excavations below the uppermost layers in the proposed project area, therefore, should be monitored by a qualified paleontologist in order to quickly identify and collect specimens. Sediment samples should also be collected from the older sedimentary deposits to determine their small fossil potential. Fossils collected should be placed in an accredited and permanent scientific institution for the benefit of current and future generations.

### **Pedestrian Survey**

A pedestrian survey of the APE was conducted on December 10, 2019 along with Dan Bott, Director of CEQA, VCS Environmental. The entire tennis center and grounds was examined, including the tennis courts and observation tower, radial practice facility, office structures, and the two drainages that supports some native riparian vegetation, but also non-indigenous ornamentals. The APE is completely developed as part of the Vic Braden Tennis Center and any cultural or paleontological resources that may exist within the APE would be buried.

### **Native American Scoping/AB 52**

Tribal concerns will be elucidated through tribal consultation, required under Assembly Bill (AB) 52 of the California Environmental Quality Act (CEQA), and being conducted by the lead agency – the County of Orange.

### **Management Considerations**

- Ten prehistoric sites are recorded within one mile of the Project site.
- Exposures of paleontologically sensitivity older Alluvium and the Santiago rock formation are present on the Project site. The NHMLAC recommends monitoring of excavation into these sediments.
- The Vic Braden Tennis College is extant on the site. It has been evaluated by a qualified historian and deemed not eligible for listing in the California Register of Historical Resources (Urbana 2019).

- AB 52 consultation with Tribes should be taken into consideration when developing mitigation measures related to archaeological and Tribal cultural resources. VCS does not have access to the results of AB 52 consultation at this time, but, given the relative sensitivity of the area, it is assumed that construction monitoring will be requested.

### **Recommended Mitigation Measures**

Based on the cultural and paleontological sensitivity of the Project site, monitoring is recommended. The suggested mitigation measures are described below. They are the County of Orange Standard Conditions for Archaeology (A04 Observation and Salvage) and Paleontology (A07 Observation and Salvage). The complete Orange County Standards can be found at: <http://www.ocpublicworks.com/civicax/filebank/blobdload.aspx?BlobID=9024>.

#### **Mitigation Measure A04 Archaeological Observation and Salvage**

Prior to the issuance of any grading permit, the applicant shall provide written evidence to the Manager, Subdivision and Grading, that applicant has retained a County-certified archaeologist, to observe grading activities and salvage and catalogue archaeological resources as necessary. The archaeologist shall be present at the pre-grade conference, shall establish procedures for archaeological resource surveillance, and shall establish, in cooperation with the applicant, procedures for temporarily halting or redirecting work to permit the sampling, identification, and evaluation of the artifacts as appropriate. If the archaeological resources are found to be significant, the archaeological observer shall determine appropriate actions, in cooperation with the project applicant, for exploration and/or salvage.

Prior to the release of the grading bond, the applicant shall obtain approval of the archaeologist's follow-up report from the Manager, Harbors, Beaches & Parks HBP/Coastal and Historical Facilities. The report shall include the period of inspection, an analysis of any artifacts found and the present repository of the artifacts. Applicant shall prepare excavated material to the point of identification. Applicant shall offer excavated finds for curatorial purposes to the County of Orange, or its designee, on a first refusal basis. These actions, as well as final mitigation and disposition of the resources, shall be subject to the approval of the Manager, HBP/Coastal and Historical Facilities. Applicant shall pay curatorial fees if an applicable fee program has been adopted by the Board of Supervisors, and such fee program is in effect at the time of presentation of the materials to the County of Orange or its designee, all in a manner meeting the approval of the Manager, HBP/Coastal and Historical Facilities.

#### **Mitigation Measure A07 Paleontological Observation and Salvage**

Prior to the issuance of any grading permit, the project applicant shall provide written evidence to the Manager, Subdivision and Grading, that applicant has retained a County certified paleontologist to observe grading activities and salvage and catalogue fossils as necessary. The paleontologist shall be present at the pre-grade conference, shall establish procedures for paleontological resource surveillance, and shall establish, in cooperation with the applicant, procedures for temporarily halting or redirecting work to permit sampling, identification, and

evaluation of the fossils. If the paleontological resources are found to be significant, the paleontologist shall determine appropriate actions, in cooperation with the applicant, which ensure proper exploration and/or salvage.

Prior to the release of the grading bond the applicant shall submit the paleontologist's follow up report for approval by the Manager, HBP/Coastal and Historical Facilities. The report shall include the period of inspection, a catalogue and analysis of the fossils found, and the present repository of the fossils. Applicant shall prepare excavated material to the point of identification. The applicant shall offer excavated finds for curatorial purposes to the County of Orange, or its designee, on a first refusal basis. These actions, as well as final mitigation and disposition of the resources, shall be subject to approval by the HBP/Coastal and Historical Facilities. Applicant shall pay curatorial fees if an applicable fee program has been adopted by the Board of Supervisors, and such fee program is in effect at the time of presentation of the materials to the County of Orange or its designee, all in a manner meeting the approval of the Manager, HBP/Coastal and Historical Facilities.

## Other

**Tribes:** The retention of a Native American monitor(s) that have ancestral ties to the area and/or as a result of a request made by a Tribe(s) during the AB 52 Tribal Consultation under CEQA is at the discretion of the County of Orange.

**Avoidance:** Pursuant to PRC Section 21083.2(b) avoidance is the preferred method of preservation for archaeological resources. If the applicant, the qualified archaeologist, and the Tribe cannot agree on the significance or the mitigation for such resources, these issues will be presented to the County of Orange for decision. The County of Orange shall make the determination based on the provisions of the CEQA with respect to archaeological resources and shall take into account the religious beliefs, customs, and practices of the Tribe.

**Treatment and Disposition of Discoveries.** In the event that Archaeological or Tribal Cultural Resources are inadvertently discovered during the course of grading for this Project, and avoidance of them is not feasible, the following procedures shall be carried out for treatment and disposition of the discoveries:

1. **Temporary Curation and Storage:** During the course of construction, all discovered resources shall be placed in bags or boxes, labeled with all appropriate informational and locational information, and temporarily curated in a secure location onsite or at the offices of the project archaeologist, as determined in consultation with the project team. The removal of any artifacts from the project site will need to be approved by the team.
2. **Treatment and Final Disposition:** The applicant shall relinquish ownership of all cultural resources, including all archaeological artifacts and non-human remains as part of the required mitigation for impacts to archaeological and Tribal Cultural Resources. The applicant shall relinquish the artifacts through one or more of the following methods through consultation with the Archaeologist, Tribe(s), and the County of Orange.

- a) Transfer of the discovered items to the Native American Tribe(s) for self-curation.
- b) Onsite reburial of the discovered items with the Monitoring Tribe(s). This shall include recording the location for the tribes but ensure that measures and provisions to protect, in perpetuity, the reburial area from any future impacts are implemented. Reburial shall not occur until all cataloguing and basic recordation have been completed.
- c) Professional curation, including a curation agreement with a qualified repository, preferably in the County that meets federal standards per 36 CFR Part 79, and which shall be made available to all qualified researchers upon application. The collections and associated records shall be transferred, including title, to an appropriate curation facility within the County, to be accompanied by payment of the fees necessary for permanent curation.

**Regulatory Requirement:** Discovery of Human Remains. In the event that human remains (or remains that may be human) are discovered at the project site during grading or earthmoving, the construction contractors, project archaeologist, and/or designated Native American Monitor shall immediately stop all activities within 100 feet of the find. The project applicant shall then inform the Orange County Coroner and the County of Orange immediately, and the coroner shall be permitted to examine the remains as required by California Health and Safety Code Section 7050.5(b). Section 7050.5 requires that excavation be stopped in the vicinity of discovered human remains until the coroner has made the necessary findings as to origin. If human remains are determined to be Native American, the applicant shall comply with the state law relating to the disposition of Native American burials that fall within the jurisdiction of the NAHC (Public Resource Code (PRC) Section 5097). The coroner shall contact the NAHC within 24 hours and the NAHC will make the determination of most likely descendant(s). The Most Likely Descendant (MLD) shall complete his or her inspection and make recommendations or preferences for treatment within 48 hours of being granted access to the site. Treatment and disposition of the remains shall be determined in consultation with the most likely descendant(s) to determine the most appropriate disposition of human remains and any associated grave artifacts. In the event that the applicant and the MLD are in disagreement regarding the disposition of the remains, State law will apply, and the mediation process will occur with the NAHC, if requested (see PRC Section 5097.98(e) and 5097.94(k)).

The specific locations of Native American burials and reburials are confidential and may not be disclosed to the general public. The locations will be documented by the consulting archaeologist in conjunction with the various stakeholders and a report of findings will be filed with the Eastern Information Center. A Sacred Lands File form will be submitted to the NAHC by the project archaeologist and the Monitoring Tribe(s).

December 11, 2019

Page 8 of 8

Please contact Patrick Maxon at [pmaxon@vcseenvironmental.com](mailto:pmaxon@vcseenvironmental.com) or (949) 234-6077 with any questions.

Sincerely,

A handwritten signature in black ink that reads "Patrick Maxon". The signature is written in a cursive style with a large, stylized initial "P".

Patrick Maxon, M.A., RPA  
Director, Cultural Services

## References

NETRONLINE

n.d. Historic Aerials: <http://www.historicaerials.com/>

Urbana Preservation and Planning

2019 Historical Resource Analysis Report: Vic Braden Tennis College, 23333 Ave La Caza,  
Coto de Caza, CA 92679



**CONFIDENTIAL ATTACHMENT A**

**SCCIC RECORDS SEARCH**

**South Central Coastal Information Center**

California State University, Fullerton  
 Department of Anthropology MH-426  
 800 North State College Boulevard  
 Fullerton, CA 92834-6846  
 657.278.5395 / FAX 657.278.5542  
[sccic@fullerton.edu](mailto:sccic@fullerton.edu)

*California Historical Resources Information System*  
 Orange, Los Angeles, and Ventura Counties

12/4/2018

Records Search File No.: 19687.5617

Patrick Maxon  
 VCS Environmental  
 30900 Rancho Viejo Road  
 San Juan Capistrano, CA 92675

Re: Record Search Results for Coto de Caza Luxury Senior Village

The South Central Coastal Information Center received your records search request for the project area referenced above, located on the Santiago Peak and Canada Gobernadora, CA USGS 7.5' quadrangles. The following reflects the results of the records search for the project area and a 1-mile radius:

As indicated on the data request form, the locations of resources and reports are provided in the following format:  custom GIS maps  shape files  hand-drawn maps

Resources within project area: 0	None
Resources within 1-mile radius: 10	SEE ATTACHED MAP or LIST
Resources listed in the OHP Historic Properties Directory within project area: 0	None
Resources listed in the OHP Historic Properties Directory within 1-mile radius: 0	None
Reports within project area: 1	OR-00249
Reports within 1-mile radius: 19	SEE ATTACHED MAP or LIST

- Resource Database Printout (list):**  enclosed  not requested  nothing listed
- Resource Database Printout (details):**  enclosed  not requested  nothing listed
- Resource Digital Database (spreadsheet):**  enclosed  not requested  nothing listed
- Report Database Printout (list):**  enclosed  not requested  nothing listed
- Report Database Printout (details):**  enclosed  not requested  nothing listed
- Report Digital Database (spreadsheet):**  enclosed  not requested  nothing listed
- Resource Record Copies:**  enclosed  not requested  nothing listed
- Report Copies:**  enclosed  not requested  nothing listed
- OHP Historic Properties Directory:**  enclosed  not requested  nothing listed
- Archaeological Determinations of Eligibility:**  enclosed  not requested  nothing listed



# Report Detail: OR-00249

---

## Identifiers

Report No.: OR-00249

Other IDs:

Cross-refs:

## Citation information

Author(s): Cottrell, Marie G.

Year: 1978

Title: Report of the Archaeological Resource Assessment Conducted for 1100+/- Acres in Coto De Caza Orange County, California.

Affiliation:

No. pages: 5

No. maps:

Attributes: Archaeological, Field study

Inventory size: 1100 ac

Disclosure:

Collections:

## General notes

### Associated resources

Primary No.	Trinomial	Name
P-30-000563	CA-ORA-000563	S-3
P-30-000728	CA-ORA-000728	

No. resources: 2

Has informals:

### Location information

County(ies): Orange

USGS quad(s): CANADA GOBERNADORA

Address:

PLSS:

### Database record metadata

Date	User
------	------

Entered: 5/5/2008	jay
-------------------	-----

Last modified: 10/19/201	mgalaz
--------------------------	--------

IC actions:	Date	User	Action taken
-------------	------	------	--------------

	5/6/2008	jay	Appended records from old Surveys database.
--	----------	-----	---

	10/19/201	mgalaz	Added page count.
--	-----------	--------	-------------------

Record status:

# Report Detail: OR-00272

---

## Identifiers

Report No.: OR-00272

Other IDs:

Cross-refs:

## Citation information

Author(s): Drover, Christopher E.

Year: 1974

Title: The Archaeological Section of the Environmental Impact Statement on Arriba De La Estrella, Orange County, California

Affiliation:

No. pages: 5

No. maps:

Attributes: Archaeological, Field study

Inventory size: 873 ac

Disclosure:

Collections:

## General notes

### Associated resources

Primary No.	Trinomial	Name
P-30-000558	CA-ORA-000558	A-1
P-30-000559	CA-ORA-000559	A-2
P-30-000560	CA-ORA-000560	A-3

No. resources: 3

Has informals:

### Location information

County(ies): Orange

USGS quad(s): CANADA GOBERNADORA, SANTIAGO PEAK

Address:

PLSS:

### Database record metadata

Date	User
------	------

Entered: 5/5/2008 jay

Last modified: 10/19/201 mgalaz

IC actions:	Date	User	Action taken
-------------	------	------	--------------

5/6/2008 jay Appended records from old Surveys database.

10/19/201 mgalaz Added page count.

Record status:

# Report Detail: OR-00276

---

## Identifiers

Report No.: OR-00276

Other IDs:

Cross-refs:

## Citation information

Author(s): Anonymous

Year: 1978

Title: Archaeological Records Search and Reconnaissance Report Arriba De La Estrella Orange County, Ca.

Affiliation: Archaeological Planning Collaborative

No. pages: 9

No. maps:

Attributes: Archaeological, Field study

Inventory size:

Disclosure:

Collections:

## General notes

### Associated resources

Primary No.	Trinomial	Name
P-30-000558	CA-ORA-000558	A-1
P-30-000559	CA-ORA-000559	A-2
P-30-000560	CA-ORA-000560	A-3
P-30-000763	CA-ORA-000763	
P-30-000764	CA-ORA-000764	
P-30-000765	CA-ORA-000765	
P-30-000766	CA-ORA-000766	

No. resources: 7

Has informals:

### Location information

County(ies): Orange

USGS quad(s): CANADA GOBERNADORA, SANTIAGO PEAK

Address:

PLSS:

### Database record metadata

Date	User
------	------

Entered: 5/5/2008	jay
-------------------	-----

Last modified: 8/5/2014	agarcia
-------------------------	---------

IC actions: Date	User	Action taken
------------------	------	--------------

5/6/2008	jay	Appended records from old Surveys database.
----------	-----	---

Record status:

# Report Detail: OR-00543

---

## Identifiers

Report No.: OR-00543

Other IDs:

Cross-refs:

## Citation information

Author(s): Cottrell, Marie G.

Year: 1977

Title: Archaeological Resource Survey of 500+ Acres in Coto De Caza, Orange County, California

Affiliation: Archaeological Research, Inc.

No. pages: 6

No. maps:

Attributes: Archaeological, Field study

Inventory size: 500 ac

Disclosure: Not for publication

Collections: Yes

## General notes

### Associated resources

Primary No.	Trinomial	Name
P-30-000561	CA-ORA-000561	Site 5
P-30-000562	CA-ORA-000562	Site 4

No. resources: 2

Has informals:

### Location information

County(ies): Orange

USGS quad(s): CANADA GOBERNADORA, SANTIAGO PEAK

Address:

PLSS:

### Database record metadata

Date	User
------	------

Entered: 5/5/2008 jay

Last modified: 7/11/2013 agarcia

IC actions:	Date	User	Action taken
-------------	------	------	--------------

5/6/2008 jay Appended records from old Surveys database.

7/11/2013 agarcia Data updated.

Record status:

# Report Detail: OR-00582

---

## Identifiers

Report No.: OR-00582

Other IDs:

Cross-refs:

## Citation information

Author(s): Cottrell, Marie G.

Year: 1980

Title: Archaeological Resources Assessment Conducted for the Trabuco Land and Cattle Company and the Plano Trabuco Properties in the Trabuco Area of Orange County

Affiliation:

No. pages: 32

No. maps:

Attributes: Archaeological, Field study

Inventory size: QC

Disclosure:

Collections:

## General notes

### Associated resources

Primary No.	Trinomial	Name
P-30-000641	CA-ORA-000641	
P-30-000843	CA-ORA-000843	Mobil Oil 2
P-30-000860	CA-ORA-000860	SRS-TR-2
P-30-000861	CA-ORA-000861	SRS-TR-3
P-30-000862	CA-ORA-000862	SRS TR-4
P-30-000863	CA-ORA-000863	
P-30-000864	CA-ORA-000864	
P-30-000865	CA-ORA-000865	
P-30-000866	CA-ORA-000866	ARMC #5
P-30-000867	CA-ORA-000867	
P-30-000868	CA-ORA-000868	
P-30-000869	CA-ORA-000869	
P-30-000870	CA-ORA-000870	
P-30-000871	CA-ORA-000871	
P-30-000872	CA-ORA-000872	
P-30-000874	CA-ORA-000874	
P-30-000875	CA-ORA-000875	
P-30-000876	CA-ORA-000876/H	San Francisco Solano
P-30-000877	CA-ORA-000877	

No. resources: 19

Has informals:

### Location information

County(ies): Orange

USGS quad(s): EL TORO, SANTIAGO PEAK

Address:

PLSS:

### Database record metadata

Date User

Entered: 5/5/2008 jay

Last modified: 12/9/2014 agarcia

IC actions: Date User Action taken

5/6/2008 jay Appended records from old Surveys database.

12/9/2014 agarcia GIS QC



# Report Detail: OR-01748

---

## Identifiers

Report No.: OR-01748

Other IDs:

Cross-refs:

## Citation information

Author(s): Brechbiel, Brant A.

Year: 1997

Title: Cultural Resources Survey Report for a Pacific Bell Mobile Services Telecommunications Facility: Cm 340-03 in Coto De Caza, California

Affiliation: Chambers Group, Inc.

No. pages: 4

No. maps:

Attributes: Archaeological, Field study

Inventory size: .25 ac

Disclosure:

Collections:

## General notes

## Associated resources

No. resources: 0

Has informals:

## Location information

County(ies): Orange

USGS quad(s): CANADA GOBERNADORA

Address:

PLSS:

## Database record metadata

	Date	User	Action taken
Entered:	5/5/2008	jay	
Last modified:	7/25/2013	agarcia	
IC actions:	Date	User	Action taken
	5/6/2008	jay	Appended records from old Surveys database.
	10/19/201	mgalaz	Added page count.
	7/25/2013	agarcia	Data updated, mapped.

Record status:

# Report Detail: OR-01776

---

## Identifiers

Report No.: OR-01776

Other IDs:

Cross-refs:

## Citation information

Author(s): Brechbiel, Brant A.

Year: 1997

Title: Cultural Resources Survey Report for a Pacific Bell Mobile Services Telecommunications Facility: Cm 356-01, in Coto De Caza, California

Affiliation: Chambers Group, Inc.

No. pages: 4

No. maps:

Attributes: Archaeological, Field study

Inventory size: 0.25 ac

Disclosure:

Collections:

## General notes

## Associated resources

No. resources: 0

Has informals:

## Location information

County(ies): Orange

USGS quad(s): SANTIAGO PEAK

Address:

PLSS:

## Database record metadata

	Date	User	Action taken
Entered:	5/5/2008	jay	
Last modified:	10/19/201	mgalaz	
IC actions:	Date	User	Action taken
	5/6/2008	jay	Appended records from old Surveys database.
	10/19/201	mgalaz	Added page count.

Record status:

# Report Detail: OR-02193

---

## Identifiers

Report No.: OR-02193

Other IDs:

Cross-refs:

## Citation information

Author(s): Demcak, Carol R.

Year: 1999

Title: Report of Cultural Resources Records Search for Project 2000, Rancho Mission Viejo, Orange County

Affiliation: Archaeological Resource Management Corp.

No. pages: 13

No. maps:

Attributes: Literature search

Inventory size: QC

Disclosure:

Collections:

## General notes

### Associated resources

Primary No.	Trinomial	Name
P-30-000027	CA-ORA-000027	CAMP 27 OCAS
P-30-000362	CA-ORA-000362	
P-30-000656	CA-ORA-000656	JS-0I-4
P-30-001043	CA-ORA-001043	
P-30-001048	CA-ORA-001048	
P-30-001121	CA-ORA-001121	Site A

No. resources: 6

Has informals:

### Location information

County(ies): Orange

USGS quad(s): CANADA GOBERNADORA, SAN CLEMENTE, SAN JUAN CAPISTRANO, SANTIAGO PEAK

Address:

PLSS:

### Database record metadata

Date User

Entered: 5/5/2008 jay

Last modified: 12/17/201 agarcia

IC actions: Date User Action taken

5/6/2008 jay Appended records from old Surveys database.

12/17/201 agarcia GIS QC

Record status:

# Report Detail: OR-02194

---

## Identifiers

Report No.: OR-02194

Other IDs:

Cross-refs:

## Citation information

Author(s): Demcak, Carol R.

Year: 2000

Title: Report of Archaeological Resources Survey for Rancho Mission Viejo, Project 2000, South Orange County

Affiliation: Archaeological Resource Management Corp.

No. pages:

No. maps:

Attributes: Archaeological, Field study

Inventory size: QC

Disclosure:

Collections:

## General notes

## Associated resources

Primary No.	Trinomial	Name
P-30-000026	CA-ORA-000026	Camp 26 O.C.A.S.
P-30-000027	CA-ORA-000027	CAMP 27 OCAS
P-30-000028	CA-ORA-000028	CAMP 28 OCAS
P-30-000362	CA-ORA-000362	
P-30-000363	CA-ORA-000363	
P-30-000535	CA-ORA-000535	F-16
P-30-000653	CA-ORA-000653	JS-01-1
P-30-000654	CA-ORA-000654	JS-01-2
P-30-000655	CA-ORA-000655	JS-01-3
P-30-000656	CA-ORA-000656	JS-01-4
P-30-000657	CA-ORA-000657	JS-01-5
P-30-000658	CA-ORA-000658	JS-01-6
P-30-000877	CA-ORA-000877	
P-30-000880	CA-ORA-000880	
P-30-000881	CA-ORA-000881	
P-30-000882	CA-ORA-000882	ARMC #5
P-30-000902	CA-ORA-000902	
P-30-000913	CA-ORA-000913	
P-30-000916	CA-ORA-000916	
P-30-000921	CA-ORA-000921	
P-30-000984	CA-ORA-000984	ARMC #10
P-30-000997	CA-ORA-000997	
P-30-001021	CA-ORA-001021	ARMC #2
P-30-001023	CA-ORA-001023/H	ARMC "A"
P-30-001024	CA-ORA-001024	ARMC "B"
P-30-001042	CA-ORA-001042	
P-30-001043	CA-ORA-001043	
P-30-001048	CA-ORA-001048	
P-30-001049	CA-ORA-001049	
P-30-001050	CA-ORA-001050	
P-30-001102	CA-ORA-001102	
P-30-001103	CA-ORA-001103	Raymond's Mound
P-30-001104	CA-ORA-001104	
P-30-001105	CA-ORA-001105	
P-30-001106	CA-ORA-001106	
P-30-001111	CA-ORA-001111	
P-30-001121	CA-ORA-001121	Site A

## Report Detail: OR-02194

---

P-30-001122	CA-ORA-001122	Site B
P-30-001123	CA-ORA-001123	Site C
P-30-001124	CA-ORA-001124	Site D
P-30-001125	CA-ORA-001125	Site E
P-30-001126	CA-ORA-001126	Site F
P-30-001127	CA-ORA-001127	Site G
P-30-001132	CA-ORA-001132	Site O
P-30-001133	CA-ORA-001133	Site P
P-30-001134	CA-ORA-001134	Site Q
P-30-001135	CA-ORA-001135	Site R
P-30-001136	CA-ORA-001136	Site S
P-30-001137	CA-ORA-001137	Site T
P-30-001138	CA-ORA-001138	Site U
P-30-001139	CA-ORA-001139	Site W
P-30-001140	CA-ORA-001140	Site X
P-30-001141	CA-ORA-001141	Site Y
P-30-001142	CA-ORA-001142	Site Z
P-30-001143	CA-ORA-001143	Site AA
P-30-001144	CA-ORA-001144	Site CC
P-30-001185	CA-ORA-001185	HM-60
P-30-001222	CA-ORA-001222	SDG&E 1
P-30-001447	CA-ORA-001447	FTC-9
P-30-001448	CA-ORA-001448	FTC-3
P-30-001449	CA-ORA-001449	FTC-4
P-30-001450	CA-ORA-001450	FTC-8
P-30-001452	CA-ORA-001452	FTC-1
P-30-001550	CA-ORA-001550	ARMC - 1
P-30-001551	CA-ORA-001551	ARMC - 2
P-30-001552	CA-ORA-001552	ARMC - 3
P-30-001553	CA-ORA-001553	ARMC - 4
P-30-001554	CA-ORA-001554	ARMC - 5
P-30-001555	CA-ORA-001555	ARMC - 6
P-30-001556	CA-ORA-001556	ARMC - 7
P-30-001557	CA-ORA-001557	ARMC - 8
P-30-001558	CA-ORA-001558	ARMC - 9
P-30-001559	CA-ORA-001559	RMV-1
P-30-001560	CA-ORA-001560	RMV-2
P-30-001561	CA-ORA-001561	RMV-3
P-30-001564	CA-ORA-001564	RMV-7
P-30-001565	CA-ORA-001565	RMV-9
P-30-001566	CA-ORA-001566	RMV-11
P-30-001567	CA-ORA-001567	RMV-12
P-30-100334		RMV-I-1
P-30-100335		RMV-I-2
P-30-176620		Pacific Telephone Switching Stat
P-30-176632		RMV-8/H
P-30-176633		RMV-10/H
P-30-176634		Camp Pendelton Musketry Rang
P-30-176635		Camp Pendelton Musketry Rang

No. resources: 86

Has informals:

### Location information

County(ies): Orange

USGS quad(s): CANADA GOBERNADORA, SAN CLEMENTE, SAN JUAN CAPISTRANO, SANTIAGO PEAK

Address:

PLSS:

## Report Detail: OR-02194

---

### Database record metadata

	<i>Date</i>	<i>User</i>	
<i>Entered:</i>	5/5/2008	jay	
<i>Last modified:</i>	12/17/201	agarcia	
<i>IC actions:</i>	<i>Date</i>	<i>User</i>	<i>Action taken</i>
	5/6/2008	jay	Appended records from old Surveys database.
	8/19/2009	tshackford	Correcting Resource Data
	12/17/201	agarcia	GIS QC

*Record status:*

# Report Detail: OR-02868

---

## Identifiers

Report No.: OR-02868

Other IDs:

Cross-refs:

## Citation information

Author(s): Messick, Peter

Year: 2002

Title: Cultural Resources Survey Upper Chiquita Canyon Conservation Area Mission Viejo Orange County, California

Affiliation: Greenwood and Associates

No. pages: 14

No. maps:

Attributes: Archaeological, Field study

Inventory size: 1200 ac

Disclosure:

Collections: No

## General notes

Unmapable, poor map, A site concides with northwest boundary of project, 30-000877 but not in project area; aligns with dirt road | Data updated, mapped.

## Associated resources

No. resources: 0

Has informals:

## Location information

County(ies): Orange

USGS quad(s): CANADA GOBERNADORA

Address:

PLSS:

## Database record metadata

Date	User
------	------

Entered: 5/5/2008	jay
-------------------	-----

Last modified: 7/29/2014	agarcia
--------------------------	---------

IC actions:	Date	User	Action taken
-------------	------	------	--------------

	5/6/2008	jay	Appended records from old Surveys database.
--	----------	-----	---

	7/29/2014	agarcia	Data updated, mapped.
--	-----------	---------	-----------------------

Record status:

# Report Detail: OR-03313

---

## Identifiers

Report No.: OR-03313

Other IDs: 

Type	Name
Paleo	

Cross-refs:

## Citation information

Author(s): McLean, Deborah

Year: 2004

Title: Results of Cultural and Paleontological Resource Assessment for Six Acres at 31841 Apuesto Way, Coto de Caza, Orange County, California

Affiliation: LSA

No. pages: 11

No. maps:

Attributes: Archaeological, Field study

Inventory size:

Disclosure: Not for publication

Collections: No

## General notes

Mapped to address and property located on google maps.

## Associated resources

No. resources: 0

Has informals:

## Location information

County(ies): Orange

USGS quad(s): SANTIAGO PEAK

Address	City	Assessor's parcel no.	Zip code
31841 Apuesto Way	Coto de Caza		

PLSS:

## Database record metadata

Date	User
------	------

Entered: 12/11/200 tshackford

Last modified: 8/8/2014 agarcia

IC actions:	Date	User	Action taken
-------------	------	------	--------------

3/14/2013 agarcia Data updated, mapped and removed from unmappable folder.

Record status:



# Report Detail: OR-03323

---

## Identifiers

Report No.: OR-03323

Other IDs:

Cross-refs:

## Citation information

Author(s): Billat, Lorna

Year: 2006

Title: Violeta Water Tank, La2762a

Affiliation: EarthTouch, Inc.

No. pages:

No. maps:

Attributes: Archaeological, Field study

Inventory size: <1 ac

Disclosure:

Collections:

## General notes

### Associated resources

No. resources: 0

Has informals:

### Location information

County(ies): Orange

USGS quad(s): SANTIAGO PEAK

Address:

PLSS:

### Database record metadata

Date	User
------	------

Entered: 5/5/2008	jay
-------------------	-----

Last modified:

IC actions:	Date	User	Action taken
-------------	------	------	--------------

	5/6/2008	jay	Appended records from old Surveys database.
--	----------	-----	---

Record status:

# Report Detail: OR-03642

---

## Identifiers

Report No.: OR-03642

Other IDs:

Cross-refs:

## Citation information

Author(s): Demcak, Carol R. and Stephen R. Van Wormer

Year: 2003

Title: Report of Archaeological Testing for the Project 2000, Phase Ii-b, Rancho Mission Viejo, South Orange County, California

Affiliation: Archaeological Resource Management Corp.

No. pages: 107

No. maps:

Attributes: Excavation

Inventory size: QC

Disclosure: Not for publication

Collections: Yes

## General notes

### Associated resources

Primary No.	Trinomial	Name
P-30-001111	CA-ORA-001111	
P-30-001125	CA-ORA-001125	Site E
P-30-001135	CA-ORA-001135	Site R
P-30-001449	CA-ORA-001449	FTC-4
P-30-001551	CA-ORA-001551	ARMC - 2
P-30-001553	CA-ORA-001553	ARMC - 4
P-30-001557	CA-ORA-001557	ARMC - 8
P-30-001573	CA-ORA-001573	RMV - 15
P-30-176634		Camp Pendelton Musketry Rang
P-30-176635		Camp Pendelton Musketry Rang

No. resources: 10

Has informals:

### Location information

County(ies): Orange

USGS quad(s): CANADA GOBERNADORA, SAN CLEMENTE, SAN JUAN CAPISTRANO

Address:

PLSS:

### Database record metadata

Date User

Entered: 5/5/2008 jay

Last modified: 12/23/201 agarcia

IC actions: Date User Action taken

5/6/2008 jay Appended records from old Surveys database.

7/26/2013 agarcia Data updated, mapped.

12/23/201 agarcia GIS QC

Record status:

# Report Detail: OR-03697

---

## Identifiers

Report No.: OR-03697

Other IDs:

Cross-refs:

## Citation information

Author(s): Unknown

Year: 1978

Title: Preliminary Review of Test Excavations at Ora-728 and Ora-563

Affiliation: Westec Services

No. pages: 10

No. maps:

Attributes: Archaeological, Field study

Inventory size:

Disclosure:

Collections:

## General notes

### Associated resources

Primary No.	Trinomial	Name
P-30-000563	CA-ORA-000563	S-3
P-30-000728	CA-ORA-000728	

No. resources: 2

Has informals:

### Location information

County(ies): Orange

USGS quad(s): CANADA GOVERNADORA

Address:

PLSS:

### Database record metadata

Date	User
------	------

Entered: 9/3/2008

Last modified:

IC actions:	Date	User	Action taken
	9/3/2008	jay	Appended records from Biblio database (second round of additions)

Record status:

# Report Detail: OR-03698

---

## Identifiers

Report No.: OR-03698

Other IDs:

Cross-refs:

## Citation information

Author(s): Unknown

Year: 1979

Title: Archaeological Investigations at ORa-728 AND Ora-563 Coto De Caza, Orange County, California

Affiliation: Westec Services

No. pages: 76

No. maps:

Attributes: Archaeological, Field study

Inventory size:

Disclosure: Not for publication

Collections: Yes

## General notes

### Associated resources

Primary No.	Trinomial	Name
P-30-000563	CA-ORA-000563	S-3
P-30-000728	CA-ORA-000728	

No. resources: 2

Has informals:

### Location information

County(ies): Orange

USGS quad(s): CANADA GOBERNADORA

Address:

PLSS:

### Database record metadata

Date	User
------	------

Entered: 9/3/2008

Last modified: 7/29/2013 agarcia

IC actions:	Date	User	Action taken
-------------	------	------	--------------

	9/3/2008	jay	Appended records from Biblio database (second round of additions)
--	----------	-----	---

	7/29/2013	agarcia	Data updated, mapped.
--	-----------	---------	-----------------------

Record status:

# Report Detail: OR-03755

---

## Identifiers

Report No.: OR-03755

Other IDs: 

Type	Name
Paleo	

Cross-refs:

## Citation information

Author(s): James Brock and Mark A. Roeder

Year: 2009

Title: Report on Archaeological and Paleontological Monitoring for Arena 7, Equestrian Center, Coto de Caza, Unincorporated Orange County, California

Affiliation: Archaeogroup

No. pages: 14

No. maps:

Attributes: Monitoring

Inventory size:

Disclosure: Not for publication

Collections: No

## General notes

### Associated resources

Primary No.	Trinomial	Name
P-30-000562	CA-ORA-000562	Site 4

No. resources: 1

Has informals:

### Location information

County(ies): Orange

USGS quad(s): CANADA GOBERNADORA

Address:

PLSS:

### Database record metadata

Date	User
------	------

Entered: 10/28/2009 agarcia

Last modified: 8/8/2014 agarcia

IC actions:

Record status:

# Report Detail: OR-03879

---

## Identifiers

Report No.: OR-03879

Other IDs: 

Type	Name
Paleo	

Cross-refs:

## Citation information

Author(s): Velechovsky, Milos

Year: 2000

Title: Report of Paleontological Resources survey for the Ranch Plan, Rancho Mission Viejo, South Orange County, California

Affiliation: Archaeological Resource Management Corporation

No. pages: 44

No. maps:

Attributes: Archaeological, Field study

Inventory size: QC

Disclosure: Not for publication

Collections: Unknown

## General notes

## Associated resources

No. resources: 0

Has informals:

## Location information

County(ies): Orange

USGS quad(s): CANADA GOBERNADORA, SAN CLEMENTE, SAN JUAN CAPISTRANO, SANTIAGO PEAK

Address:

PLSS:

## Database record metadata

Date	User
------	------

Entered: 7/21/2010	agarcia
--------------------	---------

Last modified: 12/23/201	agarcia
--------------------------	---------

IC actions:	Date	User	Action taken
-------------	------	------	--------------

	12/23/201	agarcia	GIS QC
--	-----------	---------	--------

Record status:

# Report Detail: OR-03880

---

## Identifiers

Report No.: OR-03880

Other IDs:

Cross-refs:

## Citation information

Author(s): Demcak, Carol R.

Year: 2002

Title: Report of Archaeological Testing for the Ranch Plan, Phase II-A, Rancho Mission Viejo, South Orange County, California

Affiliation: Archaeological Resource Management Corporation

No. pages: 121

No. maps:

Attributes: Excavation

Inventory size: QC

Disclosure: Not for publication

Collections: Yes

## General notes

## Associated resources

Primary No.	Trinomial	Name
P-30-000654	CA-ORA-000654	JS-0I-2
P-30-001124	CA-ORA-001124	Site D
P-30-001446	CA-ORA-001446	FTC-6
P-30-001550	CA-ORA-001550	ARMC - 1
P-30-001554	CA-ORA-001554	ARMC - 5
P-30-001555	CA-ORA-001555	ARMC - 6
P-30-001556	CA-ORA-001556	ARMC - 7
P-30-001559	CA-ORA-001559	RMV-1
P-30-001560	CA-ORA-001560	RMV-2
P-30-001561	CA-ORA-001561	RMV-3
P-30-001562	CA-ORA-001562	RMV-5
P-30-001563	CA-ORA-001563	RMV-6
P-30-001564	CA-ORA-001564	RMV-7
P-30-001565	CA-ORA-001565	RMV-9
P-30-001566	CA-ORA-001566	RMV-11
P-30-176632		RMV-8/H

No. resources: 16

Has informals:

## Location information

County(ies): Orange

USGS quad(s): CANADA GOBERNADORA, SAN CLEMENTE, SAN JUAN CAPISTRANO, SANTIAGO PEAK

Address:

PLSS:

## Database record metadata

Date User

Entered: 7/21/2010 agarcia

Last modified: 12/23/201 agarcia

IC actions: Date User Action taken

12/23/201 agarcia GIS QC

Record status:

# Report Detail: OR-03882

---

## Identifiers

Report No.: OR-03882

Other IDs:

Cross-refs:

## Citation information

Author(s): Demcak, Carol R. and Stephen R. Van Wormer

Year: 2003

Title: Report of Archaeological Testing for the Ranch Plan, Phase II-B, Rancho Mission Viejo, South Orange County, California

Affiliation: Archaeological Resource Management Corporation

No. pages: 107

No. maps:

Attributes: Excavation

Inventory size: QC

Disclosure: Not for publication

Collections: Yes

## General notes

### Associated resources

Primary No.	Trinomial	Name
P-30-000111	CA-ORA-000111/H	IRVINE MOUND #1, San Joaqui
P-30-001125	CA-ORA-001125	Site E
P-30-001135	CA-ORA-001135	Site R
P-30-001449	CA-ORA-001449	FTC-4
P-30-001551	CA-ORA-001551	ARMC - 2
P-30-001557	CA-ORA-001557	ARMC - 8
P-30-001573	CA-ORA-001573	RMV - 15
P-30-176634		Camp Pendelton Musketry Rang
P-30-176635		Camp Pendelton Musketry Rang

No. resources: 9

Has informals:

### Location information

County(ies): Orange

USGS quad(s): CANADA GOBERNADORA, SAN CLEMENTE, SAN JUAN CAPISTRANO

Address:

PLSS:

### Database record metadata

Date User

Entered: 7/22/2010 agarcia

Last modified: 12/23/201 agarcia

IC actions: Date User Action taken

12/23/201 agarcia GIS QC

Record status:



# Report Detail: OR-03906

---

## Identifiers

Report No.: OR-03906

Other IDs:

Cross-refs:

## Citation information

Author(s): Delu, Antonina

Year: 2010

Title: Cultural Resource Assessment of the Conejo 12kV Part II Distribution Substation Planning Project (IO 312750), City of Coto de Caza, Orange County, California

Affiliation: Antonina Delu

No. pages: 7

No. maps:

Attributes: Archaeological, Field study

Inventory size:

Disclosure: Not for publication

Collections: No

## General notes

### Associated resources

Primary No.	Trinomial	Name
P-30-000861	CA-ORA-000861	SRS-TR-3

No. resources: 1

Has informals:

### Location information

County(ies): Orange

USGS quad(s): SANTIAGO PEAK

Address:

PLSS:

### Database record metadata

Date	User
------	------

Entered: 8/30/2010 agarcia

Last modified: 8/6/2014 agarcia

IC actions:

Record status:

# Cultural Resources Map

Confidential (Not for Public Review)

# Resource Detail: P-30-000034

---

## Identifying information

Primary No.: P-30-000034  
Trinomial: CA-ORA-000034  
Name: CAMP 34 OCAS  
Other IDs: 

Type	Name
Resource Name	CAMP 34 OCAS
Other	CAMP 34 OCAS

Cross-refs:

## Attributes

Resource type: Site  
Age: Prehistoric  
Information base: Unknown  
Attribute codes: AP02 (Lithic scatter); AP16 (Other)  
Disclosure: Not for publication  
Collections: Unknown  
Accession no(s):  
Facility:

## General notes

## Recording events

Date	Recorder(s)	Affiliation	Notes
4/18/1949			

## Associated reports

Report No.	Year	Title	Affiliation
OR-00286	1979	Cultural Resources and the High Voltage Transmission Line From San Onofre to Santiago Substation and Black Star Canyon	Cultural Systems Research, Inc.
OR-01995	1979	A Catalogue of Significant Data Derived From Orange County Site Records	Pacific Coast Archaeological Society Quarterly
OR-03747	2008	Identification and Evaluation of Historic Properties- Lake Forest ADA Wheelchair Access Ramp Improvement Project	CRM Tech

## Location information

County: Orange  
USGS quad(s): CANADA GOBERNADORA  
Address:  
PLSS:  
UTMs:

## Management status

## Database record metadata

Date	User	Action taken
Entered: 5/1/2008	jay	
Last modified: 5/13/2013	mgalaz	
IC actions: Date	User	Action taken
5/1/2008	jay	Appended records from Encodent database.
4/15/2013	agarcia	Data updated.

Record status:

## Resource Detail: P-30-000560

---

### Identifying information

Primary No.: P-30-000560

Trinomial: CA-ORA-000560

Name: A-3

Other IDs:	Type	Name
	Resource Name	A-3

Cross-refs:

### Attributes

Resource type: Site

Age: Prehistoric

Information base: Survey

Attribute codes: AP02 (Lithic scatter)

Disclosure: Not for publication

Collections: Unknown

Accession no(s):

Facility:

### General notes

### Recording events

Date	Recorder(s)	Affiliation	Notes
7/4/1974	Drover, C.E.		
10/9/1978	Mabry, T. and t. Taylor	Archaeological Planning Collaborative	Update
1/1/1974	Drover, Christopher E.		Map excerpt from report # OR-272

### Associated reports

Report No.	Year	Title	Affiliation
OR-00272	1974	The Archaeological Section of the Environmental Impact Statement on Arriba De La Estrella, Orange County, California	
OR-00276	1978	Archaeological Records Search and Reconnaissance Report Arriba De La Estrella Orange County, Ca.	Archaeological Planning Collaborative
OR-01995	1979	A Catalogue of Significant Data Derived From Orange County Site Records	Pacific Coast Archaeological Society Quarterly

### Location information

County: Orange

USGS quad(s): CANADA GOBERNADORA

Address:

PLSS:

UTMs:

### Management status

### Database record metadata

Date	User
------	------

Entered: 5/6/2008 jay

Last modified: 9/25/2013 mgalaz

IC actions:	Date	User	Action taken
-------------	------	------	--------------

	5/6/2008	jay	Appended placeholder for records missing from Encodent database.
--	----------	-----	--

	7/10/2013	agarcia	Data updated.
--	-----------	---------	---------------

Record status:

# Resource Detail: P-30-000561

---

## Identifying information

Primary No.: P-30-000561  
Trinomial: CA-ORA-000561  
Name: Site 5  
Other IDs: 

Type	Name
Resource Name	Site 5

  
Cross-refs:

## Attributes

Resource type: Site  
Age: Prehistoric  
Information base: Survey  
Attribute codes: AP02 (Lithic scatter)  
Disclosure: Not for publication  
Collections: Unknown  
Accession no(s):  
Facility:

## General notes

## Recording events

Date	Recorder(s)	Affiliation	Notes
3/14/1974	Leonard, N.		
1/1/1977	Cottrell, Marie G.	Archaeological Research, Inc	Map excerpt from report #OR-543

## Associated reports

Report No.	Year	Title	Affiliation
OR-00543	1977	Archaeological Resource Survey of 500+ Acres in Coto De Caza, Orange County, California	Archaeological Research, Inc.
OR-01995	1979	A Catalogue of Significant Data Derived From Orange County Site Records	Pacific Coast Archaeological Society Quarterly

## Location information

County: Orange  
USGS quad(s): SANTIAGO PEAK  
Address:  
PLSS:  
UTMs:

## Management status

## Database record metadata

Date	User	Action taken
Entered: 5/1/2008	jay	
Last modified: 9/25/2013	mgalaz	
IC actions: Date	User	Action taken
5/1/2008	jay	Appended records from Encodent database.
7/10/2013	agarcia	Data updated.

Record status:

## Resource Detail: P-30-000562

---

### Identifying information

Primary No.: P-30-000562

Trinomial: CA-ORA-000562

Name: Site 4

Other IDs:	Type	Name
	Resource Name	Site 4

Cross-refs:

### Attributes

Resource type: Site

Age: Prehistoric

Information base: Survey

Attribute codes: AP02 (Lithic scatter)

Disclosure: Not for publication

Collections: Unknown

Accession no(s):

Facility:

### General notes

### Recording events

Date	Recorder(s)	Affiliation	Notes
3/14/1974	LEONARD		

### Associated reports

Report No.	Year	Title	Affiliation
OR-00543	1977	Archaeological Resource Survey of 500+ Acres in Coto De Caza, Orange County, California	Archaeological Research, Inc.
OR-01995	1979	A Catalogue of Significant Data Derived From Orange County Site Records	Pacific Coast Archaeological Society Quarterly
OR-03755	2009	Report on Archaeological and Paleontological Monitoring for Arena 7, Equestrian Center, Coto de Caza, Unincorporated Orange County, California	Archaeogroup

### Location information

County: Orange

USGS quad(s): CANADA GOBERNADORA

Address:

PLSS:

UTMs:

### Management status

### Database record metadata

Date	User
------	------

Entered: 5/1/2008 jay

Last modified: 9/25/2013 mgalaz

IC actions:	Date	User	Action taken
-------------	------	------	--------------

5/1/2008 jay Appended records from Encodent database.

7/11/2013 agarcia Data updated.

Record status:

## Resource Detail: P-30-000563

---

### Identifying information

Primary No.: P-30-000563

Trinomial: CA-ORA-000563

Name: S-3

Other IDs:	Type	Name
	Resource Name	S-3

Cross-refs:

### Attributes

Resource type: Site

Age: Prehistoric

Information base: Survey

Attribute codes: AP02 (Lithic scatter)

Disclosure: Not for publication

Collections: Unknown

Accession no(s):

Facility:

### General notes

### Recording events

Date	Recorder(s)	Affiliation	Notes
3/16/1974	Leonard, N.		
1/1/1979		Westec Services	Map excerpt from report #OR-3698

### Associated reports

Report No.	Year	Title	Affiliation
OR-00249	1978	Report of the Archaeological Resource Assessment Conducted for 1100+/- Acres in Coto De Caza Orange County, California.	
OR-01995	1979	A Catalogue of Significant Data Derived From Orange County Site Records	Pacific Coast Archaeological Society Quarterly
OR-03697	1978	Preliminary Review of Test Excavations at Ora-728 and Ora-563	Westec Services
OR-03698	1979	Archaeological Investigations at ORa-728 AND Ora-563 Coto De Caza, Orange County, California	Westec Services

### Location information

County: Orange

USGS quad(s): CANADA GOBERNADORA

Address:

PLSS:

UTMs:

### Management status

### Database record metadata

Date	User
------	------

Entered: 5/6/2008 jay

Last modified: 9/25/2013 mgalaz

IC actions:	Date	User	Action taken
-------------	------	------	--------------

5/6/2008 jay Appended placeholder for records missing from Encodent database.

7/11/2013 agarcia Data updated.

Record status:

## Resource Detail: P-30-000728

---

### Identifying information

Primary No.: P-30-000728  
Trinomial: CA-ORA-000728  
Name:  
Other IDs:  
Cross-refs:

### Attributes

Resource type: Site  
Age: Prehistoric  
Information base: Survey  
Attribute codes: AP02 (Lithic scatter)  
Disclosure: Not for publication  
Collections: Unknown  
Accession no(s):  
Facility:

### General notes

### Recording events

Date	Recorder(s)	Affiliation	Notes
7/5/1978	COTTRELL		

### Associated reports

Report No.	Year	Title	Affiliation
OR-00249	1978	Report of the Archaeological Resource Assessment Conducted for 1100+/- Arcres in Coto De Caza Orange County, California.	
OR-01995	1979	A Catalogue of Significant Data Derived From Orange County Site Records	Pacific Coast Archaeological Society Quarterly
OR-03697	1978	Preliminary Review of Test Excavations at Ora-728 and Ora-563	Westec Services
OR-03698	1979	Archaeological Investigations at ORa-728 AND Ora-563 Coto De Caza, Orange County, California	Westec Services

### Location information

County: Orange  
USGS quad(s): CANADA GOBERNADORA  
Address:  
PLSS:  
UTMs:

### Management status

### Database record metadata

Date	User	Action taken
Entered: 5/1/2008	jay	
Last modified: 10/22/201	mgalaz	
IC actions: Date	User	Action taken
5/1/2008	jay	Appended records from Encodent database.
7/31/2013	agarcia	Data updated.

Record status:



# Resource Detail: P-30-000763

---

## Identifying information

Primary No.: P-30-000763  
Trinomial: CA-ORA-000763  
Name:  
Other IDs:  
Cross-refs:

## Attributes

Resource type: Site  
Age: Prehistoric  
Information base: Survey  
Attribute codes: AP02 (Lithic scatter)  
Disclosure: Not for publication  
Collections: Unknown  
Accession no(s):  
Facility:

## General notes

## Recording events

Date	Recorder(s)	Affiliation	Notes
10/9/1978	MABRY; Taylor	Archaeological Planning Collaborative	

## Associated reports

Report No.	Year	Title	Affiliation
OR-00276	1978	Archaeological Records Search and Reconnaissance Report Arriba De La Estrella Orange County, Ca.	Archaeological Planning Collaborative
OR-01995	1979	A Catalogue of Significant Data Derived From Orange County Site Records	Pacific Coast Archaeological Society Quarterly

## Location information

County: Orange  
USGS quad(s): CANADA GOBERNADORA  
Address:  
PLSS:  
UTMs:

## Management status

## Database record metadata

Date	User	
Entered: 5/1/2008	jay	
Last modified: 10/29/201	mgalaz	
IC actions: Date	User	Action taken
5/1/2008	jay	Appended records from Encodent database.
8/19/2013	agarcia	Data updated.

Record status:

# Resource Detail: P-30-000764

---

## Identifying information

Primary No.: P-30-000764  
Trinomial: CA-ORA-000764  
Name:  
Other IDs:  
Cross-refs:

## Attributes

Resource type: Site  
Age: Prehistoric  
Information base: Survey  
Attribute codes: AP02 (Lithic scatter)  
Disclosure: Not for publication  
Collections: Unknown  
Accession no(s):  
Facility:

## General notes

## Recording events

Date	Recorder(s)	Affiliation	Notes
10/9/1978	Mabry; Taylor; Douglas	Archaeological Planning Collaborative	

## Associated reports

Report No.	Year	Title	Affiliation
OR-00276	1978	Archaeological Records Search and Reconnaissance Report Arriba De La Estrella Orange County, Ca.	Archaeological Planning Collaborative
OR-01995	1979	A Catalogue of Significant Data Derived From Orange County Site Records	Pacific Coast Archaeological Society Quarterly

## Location information

County: Orange  
USGS quad(s): CANADA GOBERNADORA  
Address:  
PLSS:  
UTMs:

## Management status

## Database record metadata

Date	User	
Entered: 5/1/2008	jay	
Last modified: 8/19/2013	agarcia	
IC actions: Date	User	Action taken
5/1/2008	jay	Appended records from Encodent database.
8/19/2013	agarcia	Data updated.

Record status:

# Resource Detail: P-30-000765

---

## Identifying information

Primary No.: P-30-000765  
Trinomial: CA-ORA-000765  
Name:  
Other IDs:  
Cross-refs:

## Attributes

Resource type: Site  
Age: Prehistoric  
Information base: Survey  
Attribute codes: AP02 (Lithic scatter)  
Disclosure: Not for publication  
Collections: Unknown  
Accession no(s):  
Facility:

## General notes

## Recording events

Date	Recorder(s)	Affiliation	Notes
10/9/1978	MABRY; TAYLOR	Archaeological Planning Collaborative	

## Associated reports

Report No.	Year	Title	Affiliation
OR-00276	1978	Archaeological Records Search and Reconnaissance Report Arriba De La Estrella Orange County, Ca.	Archaeological Planning Collaborative
OR-01995	1979	A Catalogue of Significant Data Derived From Orange County Site Records	Pacific Coast Archaeological Society Quarterly

## Location information

County: Orange  
USGS quad(s): CANADA GOBERNADORA  
Address:  
PLSS:  
UTMs:

## Management status

## Database record metadata

Date	User	
Entered: 5/1/2008	jay	
Last modified: 8/19/2013	agarcia	
IC actions: Date	User	Action taken
5/1/2008	jay	Appended records from Encodent database.
8/19/2013	agarcia	Data updated.

Record status:

# Resource Detail: P-30-000766

---

## Identifying information

Primary No.: P-30-000766  
Trinomial: CA-ORA-000766  
Name:  
Other IDs:  
Cross-refs:

## Attributes

Resource type: Site  
Age: Prehistoric  
Information base: Survey  
Attribute codes: AP02 (Lithic scatter)  
Disclosure: Not for publication  
Collections: Unknown  
Accession no(s):  
Facility:

## General notes

## Recording events

Date	Recorder(s)	Affiliation	Notes
10/9/1978	MABRY	Archaeological Planning Collaborative	

## Associated reports

Report No.	Year	Title	Affiliation
OR-00276	1978	Archaeological Records Search and Reconnaissance Report Arriba De La Estrella Orange County, Ca.	Archaeological Planning Collaborative
OR-01995	1979	A Catalogue of Significant Data Derived From Orange County Site Records	Pacific Coast Archaeological Society Quarterly

## Location information

County: Orange  
USGS quad(s): CANADA GOBERNADORA  
Address:  
PLSS:  
UTMs:

## Management status

## Database record metadata

Date	User	
Entered: 5/1/2008	jay	
Last modified: 10/29/201	mgalaz	
IC actions: Date	User	Action taken
5/1/2008	jay	Appended records from Encodent database.
8/19/2013	agarcia	Data updated.

Record status:

# Cultural Resources Map

Confidential (Not for Public Review)

**ATTACHMENT B**  
**NHMLAC RECORDS SEARCH**

Natural History Museum  
of Los Angeles County  
900 Exposition Boulevard  
Los Angeles, CA 90007

tel 213.763.DINO  
www.nhm.org



Vertebrate Paleontology Section  
Telephone: (213) 763-3325

e-mail: [smcleod@nhm.org](mailto:smcleod@nhm.org)

11 December 2019

VCS Environmental  
30900 Rancho Viejo Road, Suite 100  
San Juan Capistrano, CA 92675

Attn: Patrick O. Maxon, Director, Cultural Services

re: Vertebrate Paleontology Records Check for paleontological resources for the proposed Coto de Caza Project, in the community of Coto de Caza, Orange County, project area

Dear Patrick:

I have conducted a thorough search of our paleontology collection records for the locality and specimen data for the proposed Coto de Caza Project, in the community of Coto de Caza, Orange County, project area as outlined on the portion of the Cañada Gobernadora USGS topographic quadrangle map that you sent to me via e-mail on 27 November 2019. We do not have any vertebrate fossil localities that lie directly within the proposed project area boundaries, but we do have localities somewhat nearby or further afield from the same deposits that may occur either at the surface or at depth in the proposed project area.

Most of the proposed project area, the less elevated terrain, has surface deposits composed of younger Quaternary Alluvium, derived as alluvial fan deposit from the surrounding more elevated terrain via the drainage adjacent that currently flows through the proposed project area. These deposits usually do not contain significant vertebrate fossils, at least in the uppermost layers, but may contain significant vertebrate fossils in older sedimentary deposits at relatively shallow depth. Our closest vertebrate fossil locality from older Quaternary deposits is LACM 4119, west-southwest of the proposed project area in a drainage leading into Oso Creek, that produced a fossil specimen of bison, *Bison*. Our next closest vertebrate fossil locality from Quaternary deposits is LACM 1215, southwest of the proposed project area in Oso Creek near

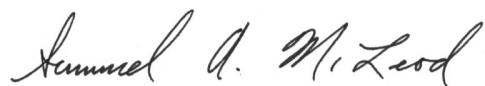
what is now the intersection of Crown Valley Parkway with Interstate 5, that produced undetermined fossil teeth of both shark, Chondrichthyes, and mammal, Mammalia.

The elevated terrain in the proposed project area has exposures of the middle to late Eocene Santiago Formation, and that rock unit probably occurs at unknown depth in the rest of the proposed project area. We have no fossil vertebrate localities from the Santiago Formation in Orange County, but we have several localities from this rock unit in San Diego County. Our closest vertebrate fossil locality from the Santiago Formation is LACM 5347, situated in San Onofre Canyon east of Interstate 5, that produced fossil specimens of the insectivore *Sespedectes*. Our other Santiago Formation vertebrate fossil localities include LACM 3881, 3883-3884, 3979, 4022, 5346-5347, 6926 and 68102, clustered around Carlsbad, that produced a composite fauna of primarily mammals (see appendix). David J. Golz (1976. Eocene Artiodactyla of Southern California. Los Angeles County Museum Science Bulletin, 26:1-85) published on the LACM specimens of the protoceratid artiodactyl *Leptoreodon leptolophus* and the camels *Protylopus petersoni* and *Protylopus stocki* from our Santiago Formation locality LACM 68102.

Shallow excavations in the uppermost few feet of the younger Quaternary alluvial sediments in the proposed project site area are unlikely to uncover significant fossil vertebrate remains. Deeper excavations in that portion of the proposed project area that extend down into older sedimentary deposits, as well as any excavations in the exposures of the Santiago Formation in the more elevated terrain of the proposed project area, however, may well encounter significant vertebrate fossils. Any substantial excavations in the proposed project area, therefore, should be closely monitored to quickly and professionally collect any specimens without impeding development. Sediment samples should also be collected and processed to determine the small fossil potential in the proposed project area. Any fossils recovered during mitigation should be deposited in an accredited and permanent scientific institution for the benefit of current and future generations.

This records search covers only the vertebrate paleontology records of the Natural History Museum of Los Angeles County. It is not intended to be a thorough paleontological survey of the proposed project area covering other institutional records, a literature survey, or any potential on-site survey.

Sincerely,

A handwritten signature in cursive script that reads "Samuel A. McLeod".

Samuel A. McLeod, Ph.D.  
Vertebrate Paleontology

enclosures: appendix; invoice



Composite Santiago Formation fossil fauna based on specimens in the LACM collections

Reptilia

Chelonia

Testudinidae

Trionychidae

Crocodylia

Aves

Mammalia

Artiodactyla

Camelidae

*Protylopus petersoni*

*Protylopus stocki*

Protoceratidae

*Leptoreodon leptolophus*

Dinocerata

Uintatheriidae

Insectivora

Dormaliidae

*Proterixoides*

*Sespedectes*

Perissodactyla

Amynodontidae

*Amynodon intermedius*

Brontotheriidae

Rodentia

Aplodontidae

*Eohaplomys*

Geomyidae

*Griphomys*

Paramyidae

*Microparamys*